SUMM
COMPARATIVE

Client : Project Director, Sindh Parliamentarians Residences
Project : Construction of Sindh Parliamentarians Residences Karachi

ENGINEER'S ESTIMATE				M/s
Sr. No.	Sub Head	Bill No.	Amount (Rs.)	
1	. DEMOLITION OF EXSITING STRUCTURES			
Note:	*Rs. 3 Million will be deducted from qouted rates on account of fixed items excluding AC's and Furnitures which will be returned to Client if not replaced earlier.*			
	Demolition of all exsisting structures within the Project boundary		3,000,000-	
2	. SECANT PILES	BILL NO.1	27,337,203	
3	. EARTH WORK	BILL NO.2	113,428,975	
4	. SUB STRUCTURE	BILL NO.3	566,478,898	
5	. SUPER STRUCTURE	BILL NO.4	965,540,242	
6	. BLOCK WORK	BILL NO.5	82,562,982	
7	. METAL WORKS	BILL NO.6	47,653,540	
8	. FINISHES	BILL NO.7	1,305,833,866	
9	. KITCHEN	BILL NO.8	79,750,150	
10	. ALUMINIUM WORKS	BILL NO.9	114,054,940	
11	. DOOR & WINDOWS	BILL NO.10	168,089,810	
12	. ELECTRICAL WORKS	BILL NO.11	510,515,454	
13	. PHYSICAL SECURITY	BILL NO.12	20,239,150	
14	. LAN & TELEPHONE SYSTEM	BILL NO.13	16,991,700	
15	. IT EQUIPMENT	BILL NO.14	1,815,000	
16	. PLUMBING WORKS	BILL NO.15	176,754,490	
17	. HVAC WORKS	BILL NO.16	89,005,010	
18	. REVERSE OSMOSIS PLANT & TUBE WELL	BILL NO.17	145,113,812	
		TOTAL AMOUNT (Rs.)	4,431,165,222	
		Less : Rebat	-	
		TOTAL AMOUNT (Rs.)	4,431,165,222	
		Less : Rs. 3 Millions as per Note mentioned above	3,000,000	
		GRAND TOTAL AMOUNT (Rs.)	4,428,165,222	

Syed Haider Abbas Zaidi
Executive Director
M/s. Osmani & Company (Pvt.) Ltd.,
Karachi

Asadullah Shaikh
Executive Engineer
Provincial Building Division - III
Karachi

UMMARY
ATIVE STATEMENT

	M/s. Sultan Mahmood & Co.		M/s. SMK Const. Co.		M/s. Maqbool Ahmed & Co.	
	Amount (Rs.)	Diff. %	Amount (Rs.)	Diff. %	Amount (Rs.)	Diff. %
00-						
203	36,855,144	34.82%	34,338,605	25.61%	38,007,312	39.03%
975	175,411,918	54.64%	163,137,102	43.82%	180,607,377	59.23%
398	666,371,867	17.63%	622,362,413	9.87%	688,688,935	21.57%
242	1,112,355,008	15.21%	1,036,818,684	7.38%	1,146,216,243	18.71%
982	94,775,663	14.79%	88,331,136	6.99%	97,733,445	18.37%
540	62,477,425	31.11%	58,199,313	22.13%	64,429,629	35.20%
866	1,760,573,073	34.82%	1,475,213,272	12.97%	1,820,801,329	39.44%
150	96,429,328	20.91%	89,817,458	12.62%	99,429,158	24.68%
940	114,450,516	0.35%	106,646,798	-6.50%	118,052,292	3.50%
810	224,238,987	33.40%	209,019,910	24.35%	223,174,384	32.77%
454	594,493,541	16.45%	553,848,100	8.49%	619,126,299	21.27%
150	28,269,953	39.68%	26,339,884	30.14%	29,157,093	44.06%
700	24,180,082	42.31%	22,525,779	32.57%	24,940,752	46.78%
000	2,222,185	22.43%	2,070,238	14.06%	2,291,785	26.27%
490	286,138,630	61.88%	266,588,432	50.82%	295,088,675	66.95%
010	105,034,343	18.01%	112,838,395	26.78%	108,305,133	21.68%
812	178,943,564	23.31%	175,283,255	20.79%	184,548,464	27.17%
222	5,563,221,227	25.55%	5,043,378,774	13.82%	5,740,598,305	29.55%
	-	-	1.5% 75,650,682	-	-	-
222	5,563,221,227	25.55%	4,967,728,092	12.11%	5,740,598,305	29.55%
000	3,000,000		3,000,000		3,000,000	
222	5,560,221,227	25.56%	4,964,728,092	12.12%	5,737,598,305	29.57%

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sion - III

Syed Muhammad Abbas
Director Finance
Provincial Assembly of Sindh
Karachi

Hafeezullah Shaikh
Project Director,
Sindh Parliamentarians Residences
Karachi

No.PD/Const/No./ 142 /2014
OFFICE OF THE PROJECT DIRECTOR
SINDH PARLIAMENTARIANS RESIDENCES
KARACHI

Ph: 99212317

Karachi, the 2nd December, 2014

The M/s SMK Construction Company,
Flat # 6, Plot # 76-E, 22nd Commercial
Street, Phase-II, Ext: D.H.A,
Karachi.

Work Order

Subject: **CONSTRUCTION OF SINDH PARLIAMENTARIANS RESIDENCES KARACHI.**

The competent Authority has been pleased to award you above mentioned work at a cost of Rs: 4,964,728,092/- (Rupees Four Billion Nine Hundred Sixty Four Million Seven Hundred Twenty Eight Thousand & Ninety Two only).

Please note that the work should be carried out strictly in accordance with the specifications, drawing, Terms & Conditions of contract agreement executed between M/s SMK Construction Company and the undersigned on dated: 16.09.2014.

You are therefore requested to make necessary arrangements to start the work within (07) seven days from the date of issue of this work order and complete the same within the stipulated period i.e. (36) months. The time allowed for completion of work shall be considered as essence of the contract.

The execution of work and quality control shall be supervised by the consultant M/s Osmani & Company (Pvt) Ltd. and payments towards work done shall be released after verification of bill by the consultant.

In case you failed to commence the work within (07) seven days from the issuance of work order, action under the relevant clauses of the contract agreement shall be initiated against you.

(HAFEEZULLAH SHAIKH)
PROJECT DIRECTOR,
Sindh Parliamentarians Residences,
Karachi.

A copy is forwarded for information to:-

1. The Staff officer to Honourable Speaker, Provincial Assembly of Sindh.
2. The P.S to Secretary, Provincial Assembly of Sindh.
3. The Director Finance, Provincial Assembly of Sindh.
4. The Project Engineer, Sindh Parliamentarians Residences, Sindh.
5. M/s Osmani & Co. (Pvt) Ltd.

DETAILED EXAMINATION OF BIDS

a). Correction of Errors

The Consultants carried-out Detailed Arithmetical Check of the BOQs of all the bids. Following Table exhibits the status.

Sr. No.	Name of Bidder	Quoted Amount (As announced at Bid Opening) Rs.	Arithmetically Corrected Amount (Rs.)	Rank
1.	M/s. SMK Construction Co.	4,968,023,328	* 4,964,728,092	1st lowest
2.	M/s. Sultan Mehmood & Co.	5,563,185,887	* 5,560,221,227	2nd lowest
3.	M/s. Maqbool Ahmed & Co.	5,666,503,615	* 5,737,598,305	Highest / 3rd lowest

The methodology for correction of Arithmetical Errors is adopted as described in IB.27 of the Bidding Documents.

* Rs. 3 Million have been deducted from the quoted rates, as per note mentioned in Summary Page of BOQ that: *"Rs. 3 Million will be deducted from quoted rates on account of fixed items excluding AC's and Furniture which will be returned to Client if not replaced earlier".*

Syed Haider Abbas Zaidi
Executive Director
M/s. Osmani & Company (Pvt.) Ltd.,
Karachi

Asadullah Shaikh
Executive Engineer
Provincial Building Division - III
Karachi

Syed Muhammad Abbas
Director Finance
Provincial Assembly of Sindh
Karachi

Hafeezullah Shaikh
Project Director,
Sindh Parliamentarians Residences
Karachi

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

1)	NAME OF THE ORGANIZATION / DEPTT.	Works and Services Department
2)	PROVINCIAL / LOCAL GOVT./ OTHER	Provincial
3)	TITLE OF CONTRACT	Construction of Sindh Parliamentarians Residences Karachi
4)	TENDER NUMBER	PD/Const/No.57/2014 dated 02-05-2014
5)	BRIEF DESCRIPTION OF CONTRACT	Construction of Sindh Parliamentarians Residences Karachi
6)	FORUM THAT APPROVED THE SCHEME	Provincial Development Working Party
7)	TENDER ESTIMATED VALUE	Rs.5296.32 (M)
8)	ENGINEER'S ESTIMATE (For civil works only)	Rs.4,428,165,222/-
9)	ESTIMATED COMPLETION PERIOD (AS PER CONTRACT)	Three Years
10)	TENDER OPENED ON (DATE & TIME)	12-06-2014 @ (3:00 P.M)
11)	NUMBER OF TENDER DOCUMENTS SOLD (Attach list of buyers)	3. No's
12)	NUMBER OF BIDS RECEIVED	3. No's
13)	NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS	3. No's
14)	BID EVALUATION REPORT (Enclose a copy)	Attached
15)	NAME AND ADDRESS OF THE SUCCESSFUL BIDDER	M/s. SMK Construction Co.
16)	CONTRACT AWARD PRICE	Rs.4,964,728,092/-
17)	RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (i.e. 1st, 2nd, 3rd EVALUATION BID).	(i) M/s. SMK Construction Co. (ii) M/s. Sultan Mahmood & Co. (iii) M/s. Maqbool Ahmed & Co.

18) METHOD OF PROCUREMENT USED : - (Tick one)

a)	SINGLE STAGE – ONE ENVELOPE PROCEDURE	International	[redacted]
b)	SINGLE STAGE – TWO ENVELOPE PROCEDURE		X
c)	TWO STAGE BIDDING PROCEDURE		X
d)	TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE		X

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e. EMERGENCY, DIRECT CONTRACTING ETC WITH BRIEF REASONS:

SPPRA

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT: Procurement Committee

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	✓	No	

21) ADVERTISEMENT :

i) SPPRA Website
(If yes, give date and SPPRA Identification No.)

Yes	Sr. No.20104 SPPRA ID No 1575215717 Sr. No.20251 SPPRA ID No.1575215864
No	

ii) News Papers
(If yes, give names of newspapers and dates)

Yes	Dawn-3/10/13, Express Tribune-1/10/13, Jung-2/10/13, Kawish-2/10/13
No	

22) NATURE OF CONTRACT

Domestic / Local		Int.	✓

23) WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes		No	✓

24) WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	✓	No	

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Yes		No	✓

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	✓	No	

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of Consultancies)

Yes	✓	No	

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes	✓	No	

29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS?

Yes	✓	No	

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?
(Attach copy of the bid evaluation report)

Yes	✓	No	

SPPRA

31) ANY COMPLAINTS RECEIVED
(If yes, result thereof)

Yes	x
No	

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS
(If yes, give details)

Yes	x
No	

33) WAS THE EXTENSION MADE IN RESPONSE TIME?
(If yes, give reasons)

Yes	The bidders / particpants requested for extension in response time
No	

34) DEVIATION FROM QUALIFICATION CRITERIA
(If yes, give detailed reasons.)

Yes	x
No	

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT BLACK LISTED?

Yes	✓	No	

36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:
(If yes, enclose a copy)

Yes		No	✓

37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	✓	No	

38) SPECIAL CONDITIONS, IF ANY
(If yes, give Brief Description)

Yes	x
No	

Signature & Official Stamp of
Authorized Officer

Project Director
Sindh Parliamentarians Residences
Karachi

FOR OFFICE USE ONLY

SPPRA

Issued to M/s SMK Construction Co.
Date : 8-5-2014
Issued By :

Project Director
Sindh Parliamentarians Residences
Karachi

PROJECT DIRECTOR
SINDH PARLIAMENTARIANS RESIDENCES

NAME OF PROJECT:

CONSTRUCTION OF
SINDH PARLIAMENTARIANS RESIDENCES KARACHI

BIDDING DOCUMENTS
(VOLUME - I)

APRIL 2014

CONSULTANT

OSMANI

Engineering - Architecture - Planning - Mapping - Technology

OSMANI & COMPANY (PVT.) LTD.

Consulting Engineering - Architects - Planners
Osmani House, 245/2-K, Block-6, PECHS, Karachi
Tel: (92-21) 34536007-08, 34546641-42, Fax: (92-21) 34534691
E-mail: oci-khi@osmani.com Web: www.osmani.com

SMK CONSTRUCTION CO.

TABLE OF CONTENT

S. No.	Description

VOLUME - I

1. INVITATION TO BIDDERS
2. INSTRUCTIONS TO BIDDERS
3. BIDDING DATA
4. LETTER OF TECHNICAL BID/ PRICE BID AND APPENDICES TO BID
5. FORMS
   - BID SECURITY
   - FORM OF PERFORMANCE SECURITY
   - FORM OF CONTRACT AGREEMENT
   - FORM OF MOBILIZATION ADVANCE GUARANTEE/ BOND
   - INDEMNITY BOND FOR SECURED ADVANCE AGAINST MATERIAL BROUGHT AT SITE
6. PART I - GENERAL CONDITIONS
7. PART II - CONDITIONS OF PARTICULAR APPLICATION
8. SPECIFICATIONS - SPECIAL PROVISIONS

VOLUME - II

1. SPECIFICATIONS - TECHNICAL PROVISIONS

VOLUME - III

1. BIDDING DRAWINGS

SMK CONSTRUCTION CO.

INVITATION TO BIDDERS

PROJECT DIRECTOR
SINDH PARLIAMENTARIAN RESIDENCES, KARACHI

No _____ Dated: 2/5/14

To,
M/s. _____

INVITATION TO BIDDERS

SUBJECT: CONSTRUCTION OF SINDH PARLIAMENTARIANS RESIDENCES AT KARACHI.

1. The Employer invites sealed bids, under Single Stage-Two Envelope bidding procedure as per SPPRA Rules 2010, from the eligible PEC registered firm having valid PEC license in C-1 category & above with specialization codes of CE-09, CE-10,BC-03, ME-01, ME-02, ME-03, EE-04 & EE-06.

2. Eligible Bidders may obtain further information, inspect and acquire the Bidding Documents from the Office of the Project Director, Sindh Parliamentarians Residences, Karachi.

3. A Complete Set of Bidding Documents may be purchased by interested bidders on submission of a written application to the above office and upon payment of a non-refundable fee of **Rs.** 5000/- only per set during 0900 to 1400 hours upto 22/5/14

4. All bids (Technical) must be accompanied by a Bid Security of not less than **2% (Two Percent) of Bid Amount** or an equivalent amount in a freely convertible currency in the form of Pay-order/ Bank Draft/ deposit at call from a Schedule/ Commercial Bank in Pakistan in favour of Employer and must be delivered to the office of the Project Director, Sindh Parliamentarians Residences, Karachi at or before 1400 hours, on 22/5/14.

5. Any bid received by the Employer after the deadline for submission of bids will be returned unopened to such bidder, as per Clause IB 20.1(a) "Instruction to Bidders".

6. Any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer as non-responsive, as per Clause IB 15.3 "Instruction to Bidders".

7. The Bid shall be rejected in case of non submission of the original financial bid along-with 2 Copies.

8. Technical Bids will be opened at 1500 hours on the same day, in the presence of bidder's representatives who choose to attend at the same address.

9. Date of opening of Financial Bids of Technically qualified bidders shall be notified at a later date after Evaluation of the Technical Bids.

10. All the prospective bidders needs to be intimated that the green book purchased from the office of under signed shall be used as "Original Financial Bid".

11. The blue ink shall be used to fill all the form/ BOQ.

SMK CONSTRUCTION CO.

Project Director
Sindh Parliamentarians Residences
Karachi

INSTRUCTIONS TO BIDDERS

TABLE OF CONTENTS
INSTRUCTIONS TO BIDDERS

A. **General**
- IB.1 Scope of Bid
- IB.2 Source of Funds
- IB.3 Eligible Bidders
- IB.4 One Bid Per Bidder
- IB.5 Cost of Bidding
- IB.6 Site Visit

B. **Bidding Documents**
- IB.7 Contents of Bidding Documents
- IB.8 Clarification of Bidding Documents
- IB.9 Amendment of Bidding Documents

C. **Preparation of Bids**
- IB.10 Language of Bid
- IB.11 Documents Comprising the Bid
- IB.12 Bid Prices
- IB.13 Currencies of Bid and Payment
- IB.14 Bid Validity
- IB.15 Bid Security
- IB.16 Alternate Proposals by Bidder
- IB.17 Pre-Bid Meeting
- IB.18 Format and Signing of Bid

D. **Submission of Bids for Single Stage Two Envelope Bidding Procedure**
- IB.19 Sealing and Marking of Bids
- IB.20 Deadline for Submission of Bids
- IB.21 Late Bids
- IB.22 Modification, Substitution and Withdrawal of Bids

E. **Bid Opening and Evaluation for Single Stage Two Envelope Bidding Procedure**
- IB.23 Bid Opening
- IB.24 Process to be Confidential
- IB.25 Clarification of Bids
- IB.26 Examination of Bids and Determination of Responsiveness
- IB.27 Correction of Errors
- IB.28 Evaluation and Comparison of Bids

F. **Award of Contract**
- IB.29 Award
- IB.30 Employer's Right to Accept any Bid and to Reject any or all Bids
- IB.31 Notification of Award
- IB.32 Performance Security
- IB.33 Signing of Contract Agreement
- IB.34 General Performance of the Bidders
- IB.35 Integrity Pact
- IB.36 Instructions Not Part of Contract

SMK CONSTRUCTION CO.

INSTRUCTIONS TO BIDDERS

(Note: These Instructions to Bidders along with Bidding Data Sheet will not be part of the Contract and will cease to have effect once the contract is signed.)

A. GENERAL

IB.1 Scope of Bid

1.1 The Employer as defined in the Bidding Data Sheet hereinafter called "the Employer" wishes to receive bids for the construction and completion of works as described in these Bidding Documents, and summarized in the Bidding Data Sheet hereinafter referred to as the "Works".

1.2 The successful bidder will be expected to complete the Works within the time specified in Appendix-A to Bid.

IB.2 Source of Funds

2.1 The Employer has applied for/received a loan/credit from the source (s) indicated in the Bidding Data Sheet in various currencies towards the cost of the project specified in the Bidding Data Sheet and it is intended that part of the proceeds of this loan/credit will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

IB.3 Eligible Bidders

3.1 This Invitation for Bids is open to all bidders meeting the following requirements:

a). Duly licensed by the Pakistan Engineering Council (PEC) in the category relevant to the value of the Works.

IB.4 One Bid per Bidder

4.1 Each bidder shall submit only one bid either by himself, or as a partner in a joint venture. A bidder who participates in more than one bid (other than alternatives pursuant to Clause IB.16) will be disqualified.

IB.5 Cost of Bidding

5.1 The bidders shall bear all costs associated with the preparation and submission of their respective bids and the Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

IB.6 Site Visit

6.1 The bidders are advised to visit and examine the Site of Works and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. All cost in this respect shall be at the bidder's own expense.

6.2 The bidders and any of their personnel or agents will be granted permission by the Employer to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the Employer, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of damage to property and any other loss, damage, costs and expenses incurred as result of such inspection.

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B. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

7.1 The Bidding Documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Instructions to Bidders
2. Bidding Data Sheet
3. General Conditions of Contract, Part-I (GCC)
4. Particular Conditions of Contract, Part-II (PCC)
5. Specifications - Special Provisions
6. Specifications - Technical Provisions
7. Form of Bid & Appendices to Bid
8. Bill of Quantities (Appendix-D to Bid)
9. Form of Bid Security
10. Form of Contract Agreement
11. Forms of Performance Security and Mobilization Advance Guarantee/Bond and Form of Indemnity Bond for Secured Advance
12. Drawings

7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

8.1 Any prospective bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Employer in writing at the Employer's address indicated in the Invitation for Bids. The Employer will respond to any request for clarification which he receives earlier than 28 days prior to the deadline for submission of bids.

Copies of the Employer's response will be forwarded to all purchasers of the Bidding Documents, including a description of the enquiry but without identifying its source.

IB.9 Amendment of Bidding Documents

9.1 At any time prior to the deadline for submission of bids, the Employer may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.

9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to IB 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Employer.

9.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may extend the deadline for submission of bids in accordance with Clause IB.20.

C. PREPARATION OF BIDS

IB.10 Language of Bid

10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the Employer shall be in the bid language stipulated in the Bidding Data Sheet and Particular Conditions of Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are

SMK CONSTRUCTION CO.

accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Comprising the Bid

11.1 The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Bid and the other the Price Bid, containing the documents listed in Bidding Data Sheet under the heading of IB 11.1 A & B respectively. Both envelopes to be enclosed together in an outer single envelope called the Bid. Each bidder shall furnish all the documents as specified in Bidding Data Sheet 11.1 A & B.

11.2 Bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all partners. Alternatively, a Letter of Intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all partners and submitted with the bid, together with a copy of the proposed agreement. The role to be played by each partner to be specified therein. Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:

a). In case of a successful bid, the Form of JV Agreement shall be signed so as to be legally binding on all partners within 7 days of the receipt of letter of acceptance failing which the contract and the letter of acceptance shall stand void and redundant.

b). One of the joint venture partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;

c). The partner-in-charge shall always be duly authorized to deal with the Employer regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of JV Agreement and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;

d). All partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the Contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para (b) above as well as in the Form of Bid and in the Form of JV Agreement (in case of a successful bid); and

e). A copy of JV agreement shall be submitted before signing of the Contract, stating the conditions under which JV will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. The JV Agreement shall be made part of the contract. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partners without prior written consent of the Employer.

11.3 The Bidder shall furnish, as part of the Technical Bid, a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated Bidding Forms, in sufficient detail to demonstrate the adequacy of the Bidders" proposal to meet the work requirements and the completion time referred to in Sub-Clause 1.2 hereof.

IB.12 Bid Prices

12.1 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the Works as described in IB 1.1 hereof, based on the unit rates and / or prices submitted by the bidder.

12.2 The bidders shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by a bidder will not be paid for by the Employer when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities.

12.3 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to the deadline for submission of bids shall be included in the rates and prices and the total Bid Price submitted by a bidder.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 70.2 of the General Conditions of Contract Part-I.

12.4 The rates and prices quoted by the bidders are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 70 of the Conditions of Contract. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix C to Bid and shall submit with the bids such other supporting information as required under the said clause.

IB.13 Currencies of Bid and Payment

13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Employer's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid.

13.2 The rates of exchange to be used by the bidder for currency conversion shall be the TT & OD Selling Rates published or authorized by the State Bank of Pakistan prevailing on the date 28 days prior to the deadline for submission of bids. For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the Contract.

IB.14 Bid Validity

14.1 Bids shall remain valid for the period stipulated in the Bidding Data Sheet after the Date of Bid Opening specified in Clause IB.23.

14.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Employer may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects.

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IB.15 Bid Security

15.1 Each bidder shall furnish, as part of his bid, a Bid Security in the amount stipulated in the Bidding Data Sheet in Pak Rupees or an equivalent amount in a freely convertible currency.

15.2 The Bid Security shall be, at the option of the bidder, in the form of Deposit at Call or a Bank Guarantee issued by a Scheduled Bank in Pakistan or from a foreign bank duly counter guaranteed by a Scheduled Bank in Pakistan in favor of the Employer valid for a period 28 days beyond the Bid Validity date.

15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer as non-responsive.

15.4 The bid securities of unsuccessful bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity.

15.5 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security and signed the Contract Agreement.

15.6 The Bid Security may be forfeited:

a). If the bidder withdraws his bid except as provided in IB 22.1;
b). If the bidder does not accept the correction of his Bid Price pursuant to IB 27.2 hereof; or
c). In the case of successful bidder, if he fails within the specified time limit to:
   i). Furnish the required Performance Security;
   ii). Sign the Contract Agreement, or
   iii). Furnish the required JV agreement within 7 days of the receipt of letter of acceptance.

IB.16 Alternate Proposals by Bidder

16.1 Should any bidder consider that he can offer any advantages to the Employer by a modification to the designs, specifications or other conditions, he may, in addition to his bid to be submitted in strict compliance with the Bidding Documents, submit any Alternate Proposal(s) containing (a) relevant design calculations, (b) technical specifications, (c) proposed construction methodology, and (d) any other relevant details / conditions, provided always that the total sum entered on the Letter of Price Bid shall be that which represents complete compliance with the Bidding Documents. The technical details and financial implication involved are to be submitted in two separate sealed envelopes as to be followed in main bid proposals.

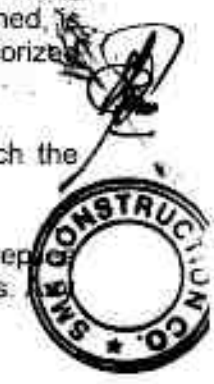
16.2 Alternate Proposal(s), if any, of the lowest evaluated responsive bidder only may be considered by the Employer as the basis for the award of Contract to such bidder.

IB.17 Pre-Bid Meeting

17.1 The Employer may, on his own motion or at the request of any prospective bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue of pre-bid meeting, if convened, is as stipulated in the Bidding Data Sheet. All prospective bidders or their authorized representatives shall be invited to attend such a pre-bid meeting.

17.2 The bidders are requested to submit questions, if any, in writing so as to reach the Employer not later than seven (7) days before the proposed pre-bid meeting.

17.3 Minutes of the pre-bid meeting, including the text of the questions raised and the rep[illegible] given, will be transmitted without delay to all purchasers of the Bidding Documents. A[illegible]



modification of the Bidding Documents listed in IB 7.1 hereof, which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.

17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

IB.18 Format and Signing of Bid

18.1 Bidders are particularly directed that the amount entered on the Letter of Price Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.

18.2 All appendices to Bid are to be properly completed and signed.

18.3 No alteration is to be made in the Letters of Price and Technical Bids nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.

18.4 The Bidder shall prepare one original of the Technical Bid and one original of the Price Bid comprising the Bid as described in Bidding Data Sheet against IB 11 and clearly mark it "ORIGINAL - TECHNICAL BID" and "ORIGINAL - PRICE BID". In addition, the Bidder shall submit two (2) copies of the Bid and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.

18.5 The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the Bidding Data Sheet and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Bid, except for unamended printed literature, shall be signed or initialed by the person signing the bid.

18.6 Any amendments such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.

18.7 Bidders shall indicate in the space provided in the Letter of Technical and Price Bids, their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.

18.8 Bidders should retain a copy of the Bidding Documents as their file copy.

D. SUBMISSION OF BIDS FOR SINGLE STAGE TWO ENVELOPE BIDDING PROCEDURE

IB.19 Sealing and Marking of Bids

19.1 Each bidder shall submit his bid as under:

a). ORIGINAL and each copy of the Bid shall be separately sealed and put in separate envelopes and marked as such.

b). The envelopes containing the ORIGINAL and copies will be put in one sealed envelope and addressed / identified as given in IB 19.2 hereof.

c). The technical bid should comprise of documents listed in IB11.1 (A) & the price bid should comprise of documents listed in IB 11.1 (B) which shall be placed in separate envelopes in accordance with IB 11.1.

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19.2 The inner and outer envelopes shall

a). Be addressed to the Employer at the address provided in the Bidding Data Sheet;

b). Bear the name and identification number of the contract as defined in the Bidding Data Sheet; and

c). Provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data Sheet.

19.3 In addition to the identification required in IB 19.2 hereof, the inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared "late" pursuant to Clause IB.21

19.4 If the outer envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the Bid.

IB.20 Deadline for Submission of Bids

20.1 a). Bids must be received by the Employer at the address specified no later than the time and date stipulated in the Bidding Data Sheet.

b). Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

c). Where delivery of a bid is by mail and the bidder wishes to receive an acknowledgment of receipt of such bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package.

d). Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

20.2 The Employer may, at his discretion, extend the deadline for submission of Bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.21 Late Bids

21.1 a). Any bid received by the Employer after the deadline for submission of bids prescribed in Clause IB.20 will be returned unopened to such bidder.

b). Delays in the mail, delays of person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to determine the manner in which timely delivery of his bid will be accomplished either in person, by messenger or by mail.

IB.22 Modification, Substitution and Withdrawal of Bids

22.1 Any bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Employer prior to the deadline for submission of bids.

22.2 The modification, substitution, or notice for withdrawal of any bid shall be prepa... sealed, marked and delivered in accordance with the provisions of Clause IB.19 wit...

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outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.

22.3 No bid may be modified by a bidder after the deadline for submission of bids except in accordance with IB 22.1 and 27.2.

22.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.15.

E. BID OPENING AND EVALUATION FOR SINGLE STAGE TWO ENVELOPE BIDDING PROCEDUR

IB. 23 Bid Opening

23.1 The Employer will open the Technical Bids in public at the address, date and time specified in the Bidding Data Sheet in the presence of Bidders' designated representatives and anyone who choose to attend. The Price Bids will remain unopened and will be held in custody of the Employer until the specified time of their opening.

23.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding Withdrawal Notice contains a valid authorization to request the withdrawal and is read out at bid opening.

23.3 Second, outer envelopes marked "SUBSTITUTION" shall be opened. The inner envelopes containing the Substitution Technical Bid and/or Substitution Price Bid shall be exchanged for the corresponding envelopes being substituted, which are to be returned to the Bidder unopened. Only the Substitution Technical Bid, if any, shall be opened, read out, and recorded. Substitution Price Bid will remain unopened in accordance with IB 23.1. No envelope shall be substituted unless the corresponding.

Substitution Notice contains a valid authorization to request the substitution and is read out and recorded at bid opening.

23.4 Next, outer envelopes marked "MODIFICATION" shall be opened. No Technical Bid and/or Price Bid shall be modified unless the corresponding Modification Notice contains a valid authorization to request the modification and is read out and recorded at the opening of Technical Bids. Only the Technical Bids, both Original as well as Modification, are to be opened, read out, and recorded at the opening. Price Bids, both Original and Modification, will remain unopened in accordance with IB 23.1. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.

23.5 Other envelopes holding the Technical Bids shall be opened one at a time, and the following read out and recorded:

a). the name of the Bidder;
b). whether there is a modification or substitution;
c). the presence of a Bid Security, if required; and
d). Any other details as the Employer may consider appropriate.

No Bid shall be rejected at the opening of Technical Bids except for late bids, in accordance with IB 21.1. Only Technical Bids read out and recorded at bid opening, shall be considered for evaluation.

Preliminary Examination of Technical Bids

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23.6 a). The Employer shall first examine qualification and experience Data as per Appendix M and N submitted by the Bidder. The technical proposal examination of those bidders only shall be taken in hand who meet the minimum requirement as mentioned in Appendix M and N. Only substantially responsive qualification shall be considered for further evaluation.

b). The Employer shall examine the Technical Bid to confirm that all the documents have been provided, and to determine the completeness of each document submitted.

23.7 The Employer shall confirm that all the documents and information have been provided for evaluation of Technical bid as required under these bidding documents.

23.8 At the end of the evaluation of the Technical Bids, the Employer will invite only those bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified for award to attend the opening of the Price Bids.

The date, time, and location of the opening of Price Bids will be advised in writing by the Employer. Bidders shall be given reasonable notice for the opening of Price Bids.

23.9 The Employer will notify Bidders in writing who have been rejected on the grounds of their Technical Bids being substantially non-responsive to the requirements of the Bidding Document and return their Price Bids unopened before inviting others, who are determined as being qualified, to attend the opening of Price Bids.

23.10 The Employer shall conduct the opening of Price Bids of all Bidders who submitted substantially responsive Technical Bids, publically in the presence of Bidders' representatives who choose to attend at the address, date and time specified by the Employer. The Bidder' representatives who are present shall be requested to sign a register evidencing their attendance.

23.11 All envelopes containing Price Bids shall be opened one at a time and the following read out and recorded:

a). The name of the Bidder;
b). Whether there is a modification or substitution;
c). The Bid Prices, including any discounts and alternative offers; and
d). Any other details as the Employer may consider appropriate.

Only Price Bids and discounts, read out and recorded during the opening of Price Bids shall be considered for evaluation. No Bid shall be rejected at the opening of Price Bids.

23.12 If this Bidding Document allows Bidders to quote separate prices for different contracts, and the award to a single Bidder of multiple contracts, the methodology to determine the lowest evaluated price of the contract combinations is that which is most economical to the Employer.

IB.24 Process to be Confidential

24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of bid evaluation report which shall be done at least ten 10 days prior to issue of Letter of Acceptance. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the Employer's processing of bids or award decisions may result in the rejection of su bidder's bid. Whereas any bidder feeling aggrieved may lodge a written complaint no later than fifteen (15) days after the announcement of the bid evaluation repo

However mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.25 Clarification of Bids

25.1 To assist in the examination, evaluation and comparison of bids, the Employer may, at his discretion, ask any bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the bids in accordance with Clause IB.28.

25.2 If a Bidder does not provide clarifications of its Bid by the date and time set in the Employer's request for clarification, its bid may be rejected.

IB.26 Examination of Bids and Determination of Responsiveness

26.1 Prior to the detailed evaluation of bids, the Employer will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.

26.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security; (iv) Includes signed Integrity Pact where required as per clause IB.35 and (v) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Employer's rights or the bidder's obligations under the Contract; (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids. Only substantially responsive bid shall be considered for further evaluation.

26.3 If a bid is not substantially responsive, it may not subsequently be made responsive by correction or withdrawal of the non-conforming material deviation or reservation. The Employer may, however, seek confirmation/ clarification in writing which shall be responded in writing.

IB.27 Correction of Errors

27.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

a). Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and

b). Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

27.2 The amount stated in the Letter of Price Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with IB.15.6 (b) hereof.

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IB.28 Evaluation and Comparison of Bids

28.1 The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause IB.26

28.2 In evaluating the Bids, the Employer will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:

a). Making any correction for errors pursuant to Clause IB.27;

b). Excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including competitively priced Day work; and

c). Making an appropriate adjustment for any other acceptable variation or deviation.

28.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.

28.4 If the Bid of the successful bidder is seriously unbalanced in relation to the Employer's estimate of the cost of work to be performed under the Contract, the Employer may require the bidder to produce detailed price analyses for any or all items of the Bill of Quantities to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the Performance Security set forth in Clause IB.32 be increased at the expense of the successful bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful bidder under the Contract.

F. AWARD OF CONTRACT

IB.29 Award

29.1 Subject to Clauses IB.30 and IB.34, the Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to IB 29.2.

29.2 The Employer, at any stage of the bid evaluation, having credible reasons for or prima facie evidence of any defect in bidder's capacities, may require the bidders to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided that such qualification shall only be laid down after recording reasons in writing. They shall form part of the records of that bid evaluation report.

IB.30 Employer's Right to Accept any Bid and to Reject any or all Bids

30.1 Notwithstanding Clause IB.29, the Employer reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

IB.31 Notification of Award

31.1 Prior to expiration of the period of bid validity prescribed by the Employer, the Employer will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Employer will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").

31.2 No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted.

31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Employer and the bidder till signing of the formal Contract Agreement.

31.4 Upon furnishing by the successful bidder of a Performance Security, the Employer will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

IB.32 Performance Security

32.1 The successful bidder shall furnish to the Employer a Performance Security in the form and the amount stipulated in the Bidding Data Sheet and the Conditions of Contract within a period of 28 days after the receipt of Letter of Acceptance.

32.2 Failure of the successful bidder to comply with the requirements of IB.32.1 or IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

IB.33 Signing of Contract Agreement

33.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Employer will send the successful bidder the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.

33.2 The formal Agreement between the Employer and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the Employer.

IB. 34 General Performance of the Bidders

The Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts/works. The Employer may in case of consistent poor performance of any Bidder as reported by the employers of the previously awarded contracts, interalia, reject his bid and/or refer the case to the Pakistan Engineering Council (PEC). Upon such reference, PEC in accordance with its rules, procedures and relevant laws of the land take such action as may be deemed appropriate under the circumstances of the case including black listing of such Bidder and debarring him from participation in future bidding for similar works.

IB.35 Integrity Pact

The Bidder shall sign and stamp the Integrity Pact provided at Appendix-L to Bid in the Bidding Documents for all Federal Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

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IB.36 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

BIDDING DATA SHEET

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BIDDING DATA SHEET

The following specific data for the Works to be bidded shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

Instructions to Bidders
Clause Reference

1.1 Name and address of the Employer

a) Name and Address of Employer is:

Project Director
Sindh Parliamentarians Residences
Room No. 108
Provincial Sindh Assembly
Karachi.

b) Name of the Project & Summary of the Works:

The Employer intends to develop:
Construction of Sindh Parliamentarians Residences, Karachi

The summary of the project is:-
To construct Sindh Parliamentarians Residences, Karachi to provide accommodation with required amenities for MPAs (both male & female) in all respect with the provision of plant/equipment, labor and material required for execution, completion, for providing the same as specified in the Contract.

2.1 Name of the Borrower/Source of Financing/Funding Agency:

The Employer has arranged funds from its own sources.

2.1 Amount and type of financing

Not used

3.1 Eligible Bidders

The prequalified bidders for the project with valid PEC License

8.1 Time limit for clarification

The Employer, will respond to any request for clanfication which he receives earlier than 07 days prior to the deadline for submission of bids.

Copies of the Employer's response will be forwarded to all purchasers of the Bid Documents, including a description of the enquiry but without identifying its source.

10.1 Bid language

The same language in which the bid documents are written i.e. English language.

11.1 (A) The Bidder shall submit with its Technical Bid the following documents:

a). Documentary evidence regarding lawful ownership of the bidding firm/ company (IB 11.3)

b). Letter of Technical Bid
c). Bid Security (IB.15)
d). Written confirmation authorizing the signatory of the Bid to commit the Bidder (IB.18.5)
   i). A Power of Attorney to a person issued by Owner (s)/ Director (s) / Partner(s) of the firm stating name and CNIC of the person to whom Power of Attorney has been given to present the Bidding Documents, of the company / consortium during the Bid, etc.
   ii). A Power of Attorney to a signatory of the Bid signed by Owner(s)/ Director(s) / Partner(s), having name and specimen signatures of signatory to bid shall also be submitted.
   iii). In case of Joint Operation Bidder, the Owner(s)/ Partner(s) of authorized representative of JV shall issue the power of Attorney other conditions will be same as in (i) above.
e). Pending litigation information
f). Special Stipulations (as filled by the Employer) (Appendix - A)
g). Proposed Construction Schedule (Appendix - E)
h). Method of Performing the Work (Appendix - F)
i). Availability of Critical Equipment (Appendix - G)
j). Construction Camp and Housing Facilities (Appendix - H)
k). List of Sub-contractors (as required) (Appendix - I)
l). Organization Chart for Supervisory Staff (Appendix - K)
m). Integrity Pact (Appendix - L)
n). Financial Competence and Access to financial Resources (Appendix - M)
o). Past Performance, Current Commitment, Qualification and Experience (Appendix - N)

11.1 (B) The Bidder shall submit with its Price Bid the following documents

a). Letter of Price Bid
b). Foreign Currency Requirements (Not applicable) (Appendix - B)
c). Price Adjustment under Clause 70 (Appendix - C)
d). Bill of Quantities (duly filled on original Bidding Documents) (Appendix - D)
e). Estimated Progress Payments (Appendix - J)

13.1 Bidders to quote entirely in Pak. Rupees only

14.1 Period of Bid Validity

One Hundred & Eighty (180) days

15.1 Amount of Bid Security

The amount of Bid Security shall be @ of 2% of the Bid Amount.

15.2 Form and Validity of Bid Security

The Bid Security shall be, at the option of the bidder, in the Pay-order/ Bank Draft/ deposit at call from a Schedule/ Commercial Bank in Pakistan in favour of Employer in favour of the Employer the amount of not less than ***two percent (2%)*** *of the total bid price, valid for a period 28 days beyond the Bid Validity date i.e. the Bid Security shall remain valid for* ***Two Hundred & Eight (208)*** *calendar days after the latest dead line for submission of Bid.*

16. Alternate Proposals by Bidders

Not Required

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17.1 Venue, time, and date of the pre-Bid meeting

Pre-bid meeting will be held in the Office of the Project Director, Sindh Parliamentarians Residences on 15/05/2014 at 1500 Hrs.

18.4 Number of copies of the Bid to be completed and returned

One original and two copies

19.2 (a) Employer's address for the purpose of Bid submission

Office of the Project Director
Sindh Parliamentarians Residences
Room No. 108
Provincial Sindh Assembly
Karachi

19.2 (b) Name and Number of the Contract

CONSTRUCTION OF SINDH PARLIAMENTARIANS RESIDENCES, KARACHI

20.1 (a) Deadline for submission of bids

1500 Hours on 22/05/2014

22.5 Modification, Substitution and Withdrawal of Bids

No alterations or additions shall be made by the Contractor in the Bill of Quantities and rates must be filled in hand written in ink, clearly and legibly in the column provided in the Bill of Quantities. All corrections must be initiated by the contractors. Any Bid which does not comply with this condition will be liable to be summarily rejected and not taken into account when preparing comperative statement.

23.1 Venue, time, and date of Bid opening

Opening of Technical Proposals:

Venue	:	***Office of the Project Director***
		Sindh Parliamentarians Residences
		Room No. 108
		Provincial Sindh Assembly
		Karachi
Time	:	*1500 Hrs*
Date	:	*22/05/2014*

Opening of Financial Proposals:

Venue	:	***Office of the Project Director***
		Sindh Parliamentarians Residences
		Room No. 108
		Provincial Sindh Assembly
		Karachi
Time	:	*To be announced after Evaluation of Technical Proposals*
Date	:	*To be announced after Evaluation of Technical Proposals*

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28.5 Evaluation and Comparison of Bids

(a) Technical Evaluation

I. Mandatory Requirements

For consideration of the Technical Proposals submitted by the bidders following are the mandatory requirements:

a. The prequalified bidders for the project with valid PEC License.

b. Bid Security as mentioned in Instruction to Bidder Clause IB-15.

c. Documentary evidence of the year of establishment of the bidding firm.

d. Documentary evidence of the bidders having requisite experience

e. Affidavit on the stamp paper of Rs. 100/- (duly notarized) that the bidding firm is not black listed by any Procuring Agency, Govt. or Semi-Govt. Departments, Autonomous bodies, International Organization and any DHA or Cantonment Board in Pakistan.

f. List of any present or past litigation of the Bidding Firm with any Procuring Agency, Govt. or Semi-Govt. Departments, Autonomous bodies, International Organizations or any other Client/ Employer (**If "No" write "Nil" and submit an affidavit on Stamp Paper in this regard**). Litigation statement shall be provided in the following format:-

Sr. No.	Name of person/ Entity	Litigation Nature	Name of Project	Litigation date	Litigation result/ In progress concluded	If concluded, mention result

Further evaluation of only those bidders will be done who have cleared all the Mandatory requirements.

II. Qualification Requirements

Following documents shall be evaluated (only for those Bidders who clear all mandatory requirements) on the basis of points as detailed below Financial proposal of only those bidders shall be opened whose Technical Proposal gets overall 70% qualifying points out of 100 maximum points. The following information shall be presented in an orderly manner and no extra/ additional information is required so as to facilitate efficient evaluation:-

1. EQUIPMENT CAPABILITY **Max. Point. 20**

Equipment / machinery specific to project with ownership certificate will be considered as per the following list:

No.	Description	Required	Points
1.	Batching Plant	01 No.	5 Points
2.	Concrete Mixer	02 Nos.	5 Points
3.	Transit Mixer	04 Nos.	5 Points
4.	Excavator	01 No.	5 Points

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2. PERSONNEL CAPABILITY — **Max. Point. 10**

a). CV of the proposed Project Manager at-least BE (Civil) registered in PEC as Professional Engineer with at-least 15 years overall experience out of which minimum 10 Years having worked on at-least three multi-storied buildings (detailed CV alongwith PEC registration, to be submitted). — 02 Point

b). List of Engineers as per following, with CV & Confirmatory certificate having experience in working of multi-storied building works: — 08 Point

- Civil Engineer having 15 years experience — 2 Points
- Specialized Electrical Engineer having 15 years experience — 2 Points
- Specialized Mechanical Engineer having 15 years experience — 2 Points
- Quantity Surveyor having 20 years experience — 2 Points

3. FINANCIAL POSITION — **Max. Point 40**

a). Avg. Turn-over of last 05 years 400 M equal or above. — 15 Point
b). Bank Credit limit 300 M equal or above. — 15 Point
c). Tax return of last five years. — 10 Point

4. PRESENTATION BY BIDDER — **Max. Point 30**

- Bidder will arrange to present his strategy of work on MS Power Point covering following:-
  - Understanding of Project — 05 Point
  - Work methodology — 10 Point
  - Programme of work (Primavera Sch. III) Critical Path — 10 Point
  - Schedule Progress Chart — 05 Point

Total of Max. Point 100

Note:
"The Employer" may verify the validity of submitted documents from the respective Employers / Clients / Banks/ Auditors, etc. and if it is found out that any fake / misleading / un-verifiable document and / or information has been provided by the Bidder than "The Employer" will take action regarding disqualification or black-listing of the bidder as per relevant SPPRA Rules.

(b) Commercial Evaluation

It will be examined in detail whether the Bids comply with the commercial/ contractual conditions of the Bid Documents. It is expected that no major deviation/ stipulation shall be taken by the Bidders.

(c) Evaluated Bid Price

Contract will be awarded to the lowest bidder.

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32.1 Standard form and amount of Performance Security acceptable to the Employer

Amount of Performance Security shall be as per Clause 10.1 of Part II-Particular Conditions of Contract.

LETTER OF TECHNICAL BID/ PRICE BID AND APPENDICES TO BID

LTB-1

LETTER OF TECHNICAL BID

Date: _____

Bid Reference No. _____

Project Director
Sindh Parliamentarians Residences
Room No. 108
Provincial Sindh Assembly
Karachi

SUBJECT: CONSTRUCTION OF SINDH PARLIAMENTARIANS RESIDENCES, KARACHI.

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB) 9;

(b) We offer to execute and complete in conformity with the Bidding Documents the following Works;

(c) Our Bid consisting of the Technical Bid and the Price Bid shall be valid for a period of ..... days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(d) As security for due performance of the under takings and obligations of our bid, we submit here with a Bid security, in the amount specified in Bidding Data Sheet, which is valid (at least) 28 days beyond validity of Bid itself.

(e) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process, other than alternative offers submitted in accordance with IB16 (as applicable).

(f) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bidding Data Sheet.

Name .....

In the capacity of .....

Signed .....

Duly authorized to sign the Bid for and on behalf of .....

Date .....

Address .....

SMK CONSTRUCTION CO.

SMK Construction Co.

Engineers & Contractors

LPB-1

LETTER OF PRICED BID

Date: 12-06-2014

Bid Reference No. PD/Const/No.52/2014

The Project Director
Sindh Parliamentarians Residences
Room No. 108, Provincial Sindh Assembly
Karachi

SUBJECT: CONSTRUCTION OF SINDH PARLIAMENTARIANS RESIDENCES, KARACHI

Dear Sir,

We, the undersigned, declare that:

a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB) 9;

b) The total price of our Bid, excluding any discounts offered in item (c) below is:
Rs. 4,968,023,328 (Rupees Four Billion, Nine hundred Sixty Eight Million, twenty three thousand, three hundred twenty Eight only)

c) The discounts offered and the methodology for their application are:

d) Our Bid shall be valid for a period of 90 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

e) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;

f) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed and we do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.

g) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

h) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bidding Data Sheet.

i) If awarded the contract, the person named below shall act as Contractor's Representative.

Name Shaikh Rehmat Khan

In the capacity of Managing Partner

Signed

Duly authorized to sign the Bid for and on behalf of SMK Const Co.

Date 12-06-2014

Address Flat No 6, Plot No 76-E, 22nd Commercial Street Phase II, Ext D.H.A Karachi.

Head Office : Flat # 6, Plot # 76-E, 22nd Commercial Street Phase II Ext: D.H.A. Karachi, Pakistan,
Tel : +92 21 35396228-9
Fax : +92 21 35396228
Email : info@smkconstruction.org, Web : www.smkconstruction.org

LPB-1

LETTER OF PRICED BID

Date 12-06-2014

Bid Reference No. PD/Const/MD-52/2014

Project Director
Sindh Parliamentarians Residences
Room No. 108
Provincial Sindh Assembly
Karachi.

SUBJECT: CONSTRUCTION OF SINDH PARLIAMENTARIANS RESIDENCES, KARACHI.

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB) 9;

(b) The total price of our Bid, excluding any discounts offered in item (c) below is:
Rs. 4,968,023,328 (Rupees Four Billion, Nine Hundred Sixty Eight million, Twenty three thousand, three hundred Twenty Eight only) only)

(c) The discounts offered and the methodology for their application are:

(d) Our Bid shall be valid for a period of 90 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(e) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;

(f) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed and we do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.

(g) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

(h) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bidding Data Sheet.

(i) If awarded the contract, the person named below shall act as Contractor's Representative.

SMK CONSTRUCTION CO.

LPB-2

Name Shaikh Rehmat Khan

In the capacity of Managing Partner

Signed

Duly authorized to sign the Bid for and on behalf of SMK Const Co.

Date 12-06-2014

Address Flat No.6, Plot No. 76-E, 22nd Commercial Street Phase II Ext D.H.A Karachi

SMK CONSTRUCTION CO.

BA-1
APPENDIX - A TO BID

SPECIAL STIPULATIONS

		Clause No.	
1.	Engineer's Authority to issue Variation in emergency	2.1	2% of the Contract Price stated in the Letter of Acceptance.
2.	Amount of Performance Security	10.1	10% of contract price. Total amount including performance security and retention money deducted from bills should not exceed 10% of contract price stated in the Letter of Acceptance. (Refer Clause 10.1 of PCC)
3.	Time for Furnishing Programme	14.1	Within 42 days from the date of receipt of Letter of Acceptance.
4.	Minimum amount of Third Party Insurance	23.2	Rupees one million (Rs. 1,000,000) per occurrence with number of occurrences unlimited.
5.	Time for commencement	41.1	Within 14 days from the date of receipt of Engineer's Notice to Commence which shall be issued within fourteen (14) days after signing of Contract Agreement.
6.	Time for Completion for whole of the Works	43.1	36 Calendar Months from the date of receipt of Engineer's Notice to Commence.
7.	a). Amount of Liquidated Damages	47.1	0.1% of contract price for each day of delay in completion of the Works subject to a maximum of 10% of Contract Price stated in the Letter of Acceptance.
	b). Amount of Bonus	47.3	0.05 % for each day the Works are completed before the specified completion date of the Works subject to a maximum of 5% of Contract Price stated in the Letter of Acceptance.
8.	Defects Liability Period	49.1	364 days from the effective date of Taking Over Certificate.
9.	Percentage of Retention Money	60.2	Ten percent (10%) of the amount of Interim Payment Certificate.
10.	Limit of Retention Money	60.2	5% of Contract Price stated in the Letter of Acceptance.
11.	Minimum amount of Interim Payment Certificates (Running Bills)	60.2	Total Contract Price stated in the Letter of Acceptance/ (time for completion in months x 3)
12.	Time of Payment from delivery of Engineer's Interim Payment Certificate to the Employer.	60.10	30 days
13.	Mobilization Advance (Interest Free).	60.12	10% of Contract Price stated in the Letter of Acceptance.

Initials of Signatory of Bid _____

SMK CONSTRUCTION CO.

BB-1
APPENDIX-B TO BID

FOREIGN CURRENCY REQUIREMENTS

1. The Bidder may indicate here in below his requirements of foreign currency [illegible] with reference to various inputs to the Works.

2. Foreign Currency Requirement as percentage of the Bid Price excluding Provisional Sums _____%.

3. Table of Exchange Rates

Unit of Currency	Equivalent in Pak. Rupees
Australian Dollar	----------
Euro	----------
Japanese Yen	----------
U.K. Pound	----------
U.S. Dollar	----------
----------	----------
----------	----------

NOT USED

SMK CONSTRUCTION CO.

BC-1
APPENDIX-C TO BID

PRICE ADJUSTMENT UNDER CLAUSE 70 OF CONDITIONS OF CONTRACT

The source of indices and the weightages or coefficients for use in the adjustment formula under Clause 70 shall be as follows:

Cost Element	Description	Weightages	Applicable index
1	2	3	4
(i)	Fixed Portion	0.71	
(ii)	Local Labour	0.08	Government of Pakistan (GP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin
(iii)	Cement	0.05	" " "
(iv)	Reinforcing Steel	0.12	" " "
(v)	High Speed Diesel (HSD)	0.04	As per the rates fixed by Oil & Gas Regulatory Authority (OGRA)
	Total	**1.00**	

Notes:

1) Indices for (i) to (iv) are taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin and (v) is taken from Oil & Gas Regulatory Authority (OGRA). The base cost indices or prices shall be those applying 28 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.

2) Any fluctuation in the indices or prices of materials other than those given above shall not be subject to adjustment of the Contract Price.

3) The wightages have been determined for fixed portion considering cost elements having cost impact of 5% or more in this specific project.

BD-1
Appendix-D to Bid

BILL OF QUANTITIES

A. Preamble

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.

2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the Contractor and verified by the Engineer and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix in accordance with provisions of the Contract.

3. The rates and prices entered in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract include all costs of Contractor's plant, labour, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract. Furthermore all duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to deadline for submission of Bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.

4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the Contractor will have failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.

5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works.

6. General directions and description of work and materials are not necessarily repeated nor summarised in the Bill of Quantities. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the priced Bill of Quantities.

7. Provisional sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with Sub-Clause 58.2 of Part I, General Conditions of Contract.

SUMMARY
BILL OF QUANTITIES

Client : Project Director , Sindh Parliamentarians Residences
Project : Construction of Sindh Parliamentarians Residences

Sr no:	SUB HEAD	BILL NO.	AMOUNT (Rs)	
1	. DEMOLITION OF EXSITING STRUCTURES			
Note:	*Rs. 3 Million will be deducted from quoted rates on account of fixed items excluding AC's and Furnitures which will be returned to Client if not replaced earlier.* Demolition of all exsisting structures within the Project boundary		Rs. L/S	
2	. SECANT PILES	BILL NO.1	Rs.	34,338,605
3	. EARTH WORK	BILL NO.2	Rs.	163,137,102
4	. SUB STRUCTURE	BILL NO.3	Rs.	622,362,413
5	. SUPER STRUCTURE	BILL NO.4	Rs.	1,036,818,684
6	. BLOCK WORK	BILL NO.5	Rs.	88,331,136
7	. METAL WORKS	BILL NO.6	Rs.	58,199,313
8	. FINISHES 1,475,513,272	BILL NO.7	Rs.	~~1,475,513,004~~
9	. KITCHEN	BILL NO.8	Rs.	89,817,458
10	. ALUMINIUM WORKS	BILL NO.9	Rs.	106,646,798
11	. DOOR & WINDOWS	BILL NO.10	Rs.	209,019,910
12	. ELECTRICAL WORKS	BILL NO.11	Rs.	553,848,100
13	. PHYSICAL SECURITY	BILL NO.12	Rs.	26,339,884
14	. LAN & TELEPHONE SYSTEM	BILL NO.13	Rs.	22,525,779
15	. IT EQUIPMENT	BILL NO.14	Rs.	2,070,238
16	. PLUMBING WORKS	BILL NO.15	Rs.	266,588,431
17	. HVAC WORKS	BILL NO.16	Rs.	112,838,395
18	. REVERSE OSMOSIS PLANT & TUBE WELL	BILL NO.17	Rs.	175,283,255
	GRAND TOTAL AMOUNT (Rs) 5,483,378,214		Rs.	~~5,643,478,504~~

REBATE 1.50% 75650682 (-) Rs. ~~95,555,178~~
TOTAL Amount After REBATE 4,967,728,092 Rs. ~~4,968,823,328~~
Less: 3,000,000 4,964,728,092

(Rupees Four Billion, Nine Hundred Sixty Eight Million, Twenty Three Thousand, Three hundred Words) Twenty Eight only)

12/6/14

CONTRACTOR

12/6/14 P.D.

12/6/14

12/6/2014

SMK CONSTRUCTION CO.

BILL NO. 1 :- SHORING WORKS

S. No	Description	Qty	Unit	Rate	Amount
Note:					
1)	The Contractor shall establish bench marks and / or reference line at the site in accordance with the instructions of the Engineer. The contractor shall set out its work from these bench marks and / or lines.				
2)	The Contractor shall not start any physical work on site until the joint survey has been done at establish the existing ground level.				
3)	Contractor is required to use crane for shifting of material expenses for use of crane deemed to be included in the quoted rates. Tower Crane has to be transported to site & made ready for work before commencement of construction works.				
4)	Contractor is required to use temporary lift expenses for use of lift deemed to be included in the quoted rates.				
5)	Cost of all kind of cartage and steel pipe scaffolding is deemed to be included in the quoted rates and no extra payment will be entertained in this regards.				
6)	All Secant piles work should be done by specialized sub-contractor. The sub-contractor must have minimum 10 years experience in such works.				
1.01	Providing and laying R.C.C cast in situ Secant piles Size 2'-6" (750mm) dia and depth 50 Ft in foundation in all kinds of soils using crushed graded boulders 3/4 inch (19mm) and down in dense homogenous concrete mix not leaner than 1-1½:3 (using S.R. cement) having preliminary cube crushing strength of 4000 Lbs per square inch at 28 days as per design, disposal of excavated material and bailing out water & including the cost of reinforcement as shown on the drawings (the actual length of pile in place measured from the soffit of pile cap will be accounted for) complete in all respects including boring for pile in all kinds of soil strata.				
a)	Pile cast in situ i/c steel reinforcement.	35	Each	520,898	18,231,430
b)	Pile cast in situ without steel reinforcement.	35	Each	373,978	13,089,230
1.02	Cement concrete mixed in batching plant having cylindrical crushing strength of **4000 psi** using S.R.Cement, crushed aggregate 1" & down gauge & approved admixture (as per specifications of manufacturer), carriage from batching plant to site of work through approved transit mixers, pouring of concrete in formwork at site, as per directions of the Engineer, providing & removing of steel formwork, (for fair faced surface), curing, testing etc., complete)	2,467	C.F.	488	1,203,896
1.03	Providing & laying **Deformed steel reinforcement** bars having minimum yield stress of 60,000 psi with and including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown over the drawings, placing in position on precast chairs of cement concrete Class A1 or MS chairs, tying with binding wire in all kinds of RCC work. Cost of chair and wires etc. deemed to be included in the rates and will not be paid separately.	7,401	Kg	129	954,729

SMK CONSTRUCTION CO.

BILL NO. 1 - SHORING WORKS

S. No	Description	Qty	Unit	Rate	Amount
1.04	Providing and applying **short crete** concrete having cylindrical strength 3000 psi @ 28 days. (nominal mix ration 1:2:4) 2" thick conveyed through a hose pneumatically profited at high velocity onto surface complete in all respect as shown in the drawings and direction of the Engineer. ***Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.***	9,240	Sft.	93	859,320
				Total Amount of Bill No. 01	34,338,605

SMK CONSTRUCTION CO.

BILL NO. 2 - EARTH WORK

S. No	Description	Qty	Unit	Rate	Amount
Note					
1)	The Contractor shall establish bench marks and / or reference line at the site in accordance with the instructions of the Engineer. The contractor shall set out its work from these bench marks and / or lines.				
2)	The Contractor shall not start any physical work on site until the joint survey has been done to establish the existing ground level.				
3)	The Contractor shall remove trees, shrubs, grass etc which interfere the execution of the work to the satisfaction of the Engineer for which no extra payment will be made.				
4)	The Contractor shall provide, at his own expense to the satisfaction of the Engineer all timbering, poling, shoring, strutting and other approved supports to the sides of all excavations, trenches and all other works in such a way that it will be sufficient to secure them from falling and to prevent any movement. All responsibilities connected with this part of the work shall rest with contractor.				
5)	In removing timbering, shoring and strutting and all other support from excavation and trenches etc., special care shall be taken to avoid bringing pressure to beat on any concrete or other work until it has hardened sufficiently to resist such pressure.				
6)	All excavation shall be properly maintained while they are opened and exposed. Sufficient suitable barricades, warning lights, flood lights, signs, and similar items shall be provided by the contractor. The Contractor shall be responsible for any damage due to his negligence.				
7)	The Contractor shall take every necessary precaution not to endanger the safety, occupation or operation of any property, structures, installations or services in the vicinity of his operations and shall observe any restrictions imposed by authority concerned/Engineer to this end. Should any such property, structures, installations or services be endangered or damaged as a result of the Contractor's operations, he shall immediately report such danger or damage to the Engineer's Representative and any authority concerned and shall forthwith undertake remedial measures to the satisfaction of the Engineer or the appropriate authority.				
8)	Contractor is required to use crane for shifting of material expenses for use of crane deemed to be included in the quoted rates. Tower Crane has to be transported to site & made ready for work before commencement of construction works.				
9)	Contractor is required to use temporary lift and expenses for use of lift deemed to be included in the quoted rates.				
10)	Cost of all kind of cartage and steel pipe scaffolding is deemed to be included in the quoted rates and no extra payment will be entertained in this regards.				
2.01	**Clearing and grubbing** the site by cutting, uprooting and removing all rubbish, shrubs and trees, removal of existing utilities, filling the pits with earth complete with dressing, watering and consolidating including stacking and depositing the serviceable materials in owner's store and disposal of unsuitable and surplus material to designated area.	-	Job.	51,422	51,422

SMK CONSTRUCTION CO.

BILL NO. 2 - EARTH WORK

S. No	Description	Qty	Unit	Rate	Amount
2.02	The **dewatering** shall be accomplished to provide dry working condition within plot during concreting to the required level in a manner that will prevent seepage, boils, loss of fines, corrosion, softening of the strata, and that will maintain the stability of the bottom and slopes of excavation, including all necessary piping Pumps required for dewatering up to the ultimate source of disposal as directed by the Consultants and Structural Engineer. The contractor shall dispose off the water at locations as per approval of the local authorities/regulatory bodies. Contractor to submit "Method of statement" for approval of Engineer/Consultants prior to Dewatering and shall continue dewatering until L-Ground floor is cast as directed by the Engineer. All work to be done by specialized sub - contractor.	-	Job	2,003,454	2,003,454
2.03	**Excavation** for foundation, raft, columns, walls, etc and other structure works in all kind of soil (Soft, hard, murum, and gravelly) by manual or any mechanical means including, stacking of suitable and unsuitable materials separately, using suitable materials for backfilling of trenches / under floor, dressing, watering, consolidation by ramming in layers not exceeding 9 inches (229mm) in depth to full compaction, and disposal of unsuitable surplus excavated stuff to designated area, i/c timbering, strutting, shoring for supporting sides of trenches as directed by the Engineer, including all lead and lift.	1,698,156	Cft.	93	157,928,508
2.04	Supplying suitable **earth from approved outside** sources including digging, loading and unloading, cartage up to site of work and filling in foundation trenches, plinth or under floor, etc. including breaking clods, dressing, watering and consolidation by ramming in layers not exceeding 9 inches (229mm) in depth to full compaction complete including all lead and lift. The item rate shall include all cost related to the item.	59,225	Cft.	40	2,369,000
2.05	Supply, stacking and filling **Granular material from** outside sources complete in all respect as shown in drawings, including dressing watering and consolidation by ramming in layers not exceeding 9" (229mm) in depth to full compaction i/c all lead & lift and as per the approval of the Engineer.	14,806	Cft.	53	784,718

SMK CONSTRUCTION CO.

BILL NO. 2 - EARTH WORK

S. No	Description	Qty	Unit	Rate	Amount
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 02	163,137,102

SMK CONSTRUCTION CO.

BILL NO. 3 - SUB STRUCTURE

S. No	Description	Qty	Unit	Rate	Amount
Note:					
1)	Steel formwork to be used until & unless specified other wise, all as Per the instructions of the Engineer.				
2)	Contractor is required to submit Concrete Mix Design to the Engineer for approval prior to start of works. All Concrete to be used in this project will be ready mix.				
3)	Contractor is required to use crane for shifting of material expenses for use of crane deemed to be included in the quoted rates. Tower Crane has to be transported to site & made ready for work before commencement of construction works.				
4)	Contractor is required to use temporary lift and expenses for use of lift deemed to be included in the quoted rates.				
5)	Cost of all kind of cartage and steel pipe scaffolding is deemed to be included in the quoted rates and no extra payment will be entertained in this regards.				
6)	All Waterproofing work to be done by specialized sub-contractor. All waterproofing works & material used in the works shall accompanied by certificate of compliance sign by responsible representative of the manufacturer / applicator.				
7)	The contractor should strictly follow the drawings for construction & expension joints.				
8)	RCC Works slab, beams shall not be allowed until and unless the contractor have ensured for formworks, at least 40,000 Sft. Will all required accessories, scaffolding, jointing etc. are available at site, so that unnecessary construction joint in structure are avoided.				
3.01	Providing and applying **Termite proofing** to bottom and sides of excavations for foundations and floors, applying with pressure spraying equipment using TENEKIL PLUS or any other approved equivalent with a solution of one gallon of chemical to 80 gallons of water as per standard specifications of manufacturers and as per instructions of the Engineer. Work to be done by specialized sub - contractor.	95,146	Sft.	20	1,902,920
3.02	Providing crushed stone aggregate of ½" to ¾" size in the bed of raft foundation to proper level and compaction up to required degree complete as per the directions and approval of the Engineer (i/c all lead & lift.)	46,344	Cft.	51	2,363,544
3.03	Providing & applying puncture resistant vapor barrier (4 mil) cross laminated **high density polyethylene** over layer of stone crushed aggregate as per the directions of the Engineer. Work to be done by specialized sub - contractor.	61,793	Sft.	200	12,358,600
3.04	Supply, **stacking and filling sand**, (River Bed Sand) of approved quality from outside sources in bedding as shown in drawings, including dressing complete in all respect as per the directio: of the En	15,448	Cft.	40	617,920

SMK CONSTRUCTION CO.

BILL NO. 3 - SUB STRUCTURE

S. No	Description	Qty	Unit	Rate	Amount
3.05	Providing & laying **lean cement concrete** plain using O.P Cement including placing, compacting, finishing and curing complete. (as per specifications)	31,967	Cft.	174	5,562,258
3.06	Cement concrete **1:3:6** plain including placing, compacting, finishing and curing, complete i/c form work (as per specifications)	2,950	Cft.	211	622,450
3.07	**Reinforced cement concrete** mixed in batching plant having cylindrical crushing strength of **4000 psi** using O.P.Cement, crushed aggregate 1" & down gauge & mixing approved admixture (as per specifications of manufacturer), carriage from batching plant to site of work through approved transit mixers, pouring of concrete in formwork at site, as per directions of the Engineer, providing & removing of steel formwork, (for fair faced surface), curing, testing etc., complete				
a)	Foundation / Raft	274,315	Cft.	481	131,945,515
b)	Tie Beam	353	Cft.	514	181,442
c)	Slab i/c Drop panel	97,887	Cft.	528	51,684,336
d)	Door & Windows Lintel	108	Cft.	474	51,192
e)	Stair Case	3,035	Cft.	528	1,602,480
f)	Ramp	5,881	Cft.	528	3,105,168
3.08	**Reinforced cement concrete** mixed in batching plant having cylindrical crushing strength of **6000 psi** using O.P.Cement, crushed aggregate 1" & down gauge & mixing approved admixture (as per specifications of manufacturer), carriage from batching plant to site of work through approved transit mixers, pouring of concrete in formwork at site, as per directions of the Engineer, providing & removing of steel formwork, (for fair faced surface), curing, testing etc., complete				
a)	Column	24,217	Cft.	574	3,900,558
b)	RCC Wall	69,769	Cft.	568	39,628,792
3.09	Providing & laying **Deformed steel reinforcement** bars having minimum yield stress of 60,000 psi with and including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown over the drawings, placing in position on precast chairs of cement concrete Class A1 or MS chairs, tying with binding wire in all kinds of RCC work. Cost of chair and wires etc. deemed to be included in the rates and will not be paid separately.	2,479,356	Kg.	131	324,795,636
3.10	Providing laying 9" wide Eyelid rare guard or any other approved material as per the specification and direction of the Engineer. Work to be done by specialized sub - contractor	1,037	Rft.	257	266,509

SMK CONSTRUCTION CO.

BILL NO. 3 - SUB STRUCTURE

S. No	Description	Qty	Unit	Rate	Amount
3.11	Providing thermoplastic expendable re-swellable bar water stopper over smooth surface approved chemicals coating @1.5 kg per sqm on all horizontal construction joints as per specification, direction & approval of the Engineer. Work to be done by specialized sub - contractor.	1,037	Rft.	387	401,319
3.12	Providing & applying approved quality cementations crystalline coating @ 1 kg/ sqm on lean concrete as per the direction and approval of the Engineer. Work to be done by specialized sub - contractor.	20,250	Sft.	60	1,215,000
3.13	Supplying & laying in position approved premoulded joint filler in expansion joint. Work to be done by specialized sub - contractor.	194	Rft.	548	106,312
3.14	Providing & fixing in position premoulded 2"x1" highly flexible polyurethane joints sealant as per the approval of the Engineer. Work to be done by specialized sub - contractor.	194	Rft.	147	28,518
3.15	Providing and fixing 6" wide epoxy coated copper sheet in construction joint i/c 1"x1" non shrinkage grout complete as per the instruction & approval of the Engineer. Work to be done by specialized sub - contractor.	4,532	Rft.	681	3,086,292
3.16	Supply & Application of 2mm thick homogenous PVC membrane, to be applied in single layer with hot air welded laps & joints to the entire flat surface over the lean concrete loosely laid or compartmentalized with long flange PVC water stops and protect the membrane with protection board 5mm thick complete in all respect as per drawing, specification and direction of the Engineer. Work to be done by specialized sub - contractor.	95,783	Sft.	280	26,819,240
3.17	Providing & fixing in position expan bar PVC rearguard 250mm wide complete in all respect as per the approval & direction of the Engineer. Work to be done by specialized sub - contractor.	356	Rft.	327	116,412

622,362,413

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SMK CONSTRUCTION CO.

BILL NO. 4 - SUPER STRUCTURE

S. No	Description	Qty	Unit	Rate	Amount
Note:					
1)	Steel formwork to be used until & unless specified other wise, all as Per the instructions of the Engineer.				
2)	Prior to pouring of roof slab, contractor is required to prepare & submit to the Engineer for of all services drawings, roof insulation & water proofing, samples of all electro- mechanical roof related equipment & materials, decoration works associated with roof & beams so that all required opening sizes, locations are taken care in the form work, in beams, roof slab prior to casting of roof & beams. Also, the contractor is required to prepare combined services plans / drawings showing all openings required in slab and in all beams, by duly marking them with sizes, locations for all services including but not limited to HVAC , electrical, fire fighting, roof drainage, A/ c water drainage, exhaust,etc, along with all required conduit works in the roof slab, beams, complete in all respects, duly supported with all electro-mechanical shop drawings and brochures of all electro- mechanical items. No opening shall be allowed after pouring of slab & in case any services are required, the same shall be done by contractor with some other alternative, at risk & cost of the contractor. No extra amount shall be paid in this regard.				
3)	Contractor is required to submit Concrete Mix Design for Engineer's approval prior to start of works. All ready mix Concrete to be used in this project.				
4)	Contractor is required to use crane for shifting of material expenses for use of crane deemed to be included in the quoted rates. Tower Crane has to be transported to site & made ready for work before commencement of construction works.				
5)	Contractor is required to use temporary lift and expenses for use of lift deemed to be included in the quoted rates.				
6)	Cost of all kind of cartage and steel pipe scaffolding is deemed to be included in the quoted rates and no extra payment will be entertained in this regards.				
7)	All Waterproofing work to be done by specialized sub-contractor. All waterproofing works & material used in the works shall accompanied by certificate of compliance sign by responsible representative of the manufacturer / applicator.				
8)	The contractor should strictly follow the drawings for construction & expension joints.				
9)	RCC Works slab, beams shall not be allowed until and unless the contractor have ensured for formworks, at least 40,000 Sft. Will all required accessories, scaffolding, jointing etc. are available at site, so that unnecessary construction joint in structure are avoided.				
4.01	**Reinforced cement concrete** mixed in batching plant having cylindrical crushing strength of **6000 psi** using S.R.Cement, crushed aggregate 1" & down gauge & approved admixture (as per specifications of manufacturer), carriage from batching plant to site of work through approved transit mixers, pouring of concrete in formwork at site, as per directions of the Engineer, providing & removing of steel formwork, (for fair faced surface), curing, testing etc., complete				
A	COLUMN				
iii)	Ground Floor	16,326	Cft.	654	10,677,204
iv)	1st Floor	12,338	Cft.	654	8,069,052
v)	2nd Floor	9,835	Cft.	654	6,432,090
vi)	3rd Floor	5,317	Cft.	654	3,477,318
vii)	4th Floor	4,627	Cft.	654	3,026,058

SMK CONSTRUCTION CO.

BILL NO. 4 - SUPER STRUCTURE

S. No	Description	Qty	Unit	Rate	Amount
viii)	5th Floor	4,627	Cft.	654	3,026,058
ix)	6th Floor	4,627	Cft.	654	3,026,058
x)	7th Floor	4,102	Cft.	654	2,682,708
xi)	8th Floor	4,102	Cft.	654	2,682,708
xii)	9th Floor	4,154	Cft.	654	2,716,716
xiii)	10th Floor	3,764	Cft.	654	2,461,656
xiv)	11th Floor	1,888	Cft.	668	1,261,184
xv)	12th Floor	1,888	Cft.	668	1,261,184
xvi)	13th Floor	1,663	Cft.	668	1,110,884
xvii)	14th Floor	1,663	Cft.	668	1,110,884
xviii)	15th Floor	1,663	Cft.	668	1,110,884
xix)	16th Floor	1,663	Cft.	681	1,132,503
xx)	17th Floor	1,663	Cft.	681	1,132,503
xxi)	18th Floor	1,663	Cft.	681	1,132,503
xxii)	19th Floor	1,663	Cft.	681	1,132,503
xxiii)	20th Floor	1,351	Cft.	681	1,132,503
xxiv)	21st Floor	1,351	Cft.	688	929,488
xxv)	22nd Floor	1,351	Cft.	688	929,488
xxvi)	23rd Floor	1,351	Cft.	688	929,488
xxvii)	24th Floor	1,351	Cft.	688	929,488
B	RCC WALL				
iii)	Ground Floor	27,836	Cft.	574	15,977,864
iv)	1st Floor	19,417	Cft.	574	11,145,358
v)	2nd Floor	16,828	Cft.	574	9659,272
vi)	3rd Floor	10,767	Cft.	574	6,180,258
vii)	4th Floor	10,767	Cft.	574	6,180,258
viii)	5th Floor	10,767	Cft.	574	6,180,258
ix)	6th Floor	10,767	Cft.	581	6,255,627
x)	7th Floor	10,767	Cft.	581	6,255,627
xi)	8th Floor	10,767	Cft.	581	6,255,627
xii)	9th Floor	10,767	Cft.	581	6,255,627
xiii)	10th Floor	10,767	Cft.	581	6,255,627
xiv)	11th Floor	25,884	Cft.	588	15,219,792
xv)	12th Floor	5,333	Cft.	588	3,135,804
xvi)	13th Floor	5,333	Cft.	588	3,135,804
xvii)	14th Floor	5,333	Cft.	588	3,135,804
xviii)	15th Floor	5,333	Cft.	588	3,135,804
xix)	16th Floor	5,333	Cft.	594	3,167,802
xx)	17th Floor	5,333	Cft.	594	3,167,802
xxi)	18th Floor	5,333	Cft.	594	3,167,802
xxii)	19th Floor	5,333	Cft.	594	3,167,802
xxiii)	20th Floor	5,333	Cft.	594	3,167,802
xxiv)	21st Floor	5,333	Cft.	601	3,205,133
xxv)	22nd Floor	5,333	Cft.	601	3,205,133
xxvi)	23rd Floor	5,333	Cft.	601	3,205,133
xxvii)	24th Floor	19,027	Cft.	601	11,435,227

SMK CONSTRUCTION CO.

BILL NO. 4 - SUPER STRUCTURE

S. No	Description	Qty	Unit	Rate	Amount
4.02	**Reinforced cement concrete** mixed in batching plant having cylindrical crushing strength of 4000 psi using S.R.Cement, crushed aggregate 1" & down gauge & approved admixture (as per specifications of manufacturer), carriage from batching plant to site of work through approved transit mixers, pouring of concrete in formwork at site, as per directions of the Engineer, providing & removing of steel formwork, (for fair faced surface), curing, testing etc., complete				
A	Slab				
iii)	Ground Floor	19,184	Cft.	534	10,244,256
iv)	1st Floor	18,561	Cft.	534	9,911,574
v)	2nd Floor	18,764	Cft.	534	10,019,976
vi)	3rd Floor	15,470	Cft.	534	8,260,980
vii)	4th Floor	15,104	Cft.	534	8,260,980
viii)	5th Floor	15,104	Cft.	534	8,260,980
ix)	6th Floor	15,104	Cft.	541	8,171,264
x)	7th Floor	15,104	Cft.	541	8,171,264
xi)	8th Floor	15,104	Cft.	541	8,171,264
xii)	9th Floor	16,013	Cft.	541	8,663,033
xiii)	10th Floor	16,013	Cft.	541	8,663,033
xiv)	11th Floor	15,470	Cft.	548	8,477,560
xv)	12th Floor	7,735	Cft.	548	4,238,480
xvi)	13th Floor	7,735	Cft.	548	4,238,780
xvii)	14th Floor	7,735	Cft.	548	4,238,780
xviii)	15th Floor	7,735	Cft.	548	4,238,780
xix)	16th Floor	7,735	Cft.	554	4,285,190
xx)	17th Floor	7,735	Cft.	554	4,285,190
xxi)	18th Floor	7,735	Cft.	554	4,285,190
xxii)	19th Floor	7,735	Cft.	554	4,285,190
xxiii)	20th Floor	7,735	Cft.	554	4,285,190
xxiv)	21st Floor	7,735	Cft.	561	4,339,335
xxv)	22nd Floor	7,735	Cft.	561	4,339,335
xxvi)	23rd Floor	7,735	Cft.	561	4,339,335
xxvii)	24th Floor	16,612	Cft.	561	9,319,332
B	Beams				
iii)	Ground Floor	15,826	Cft.	588	9,305,688
iv)	1st Floor	6,473	Cft.	588	3,806,124
v)	2nd Floor	6,473	Cft.	588	3,806,124
vi)	3rd Floor	8,846	Cft.	588	5,201,448
vii)	4th Floor	8,845	Cft.	588	5,201,448
viii)	5th Floor	8,846	Cft.	588	5,201,448
ix)	6th Floor	8,846	Cft.	594	5,254,524
x)	7th Floor	8,846	Cft.	594	5,254,524
xi)	8th Floor	8,846	Cft.	594	5,254,524
xii)	9th Floor	9,127	Cft.	594	5,421,438
xiii)	10th Floor	9,127	Cft.	594	5,421,438
xiv)	11th Floor	4,246	Cft.	601	2,551,846
xv)	12th Floor	4,246	Cft.	601	2,551,846
xvi)	13th Floor	4,246	Cft.	601	2,551,846

SMX CONSTRUCTION CO.

BILL NO. 4 - SUPER STRUCTURE

S. No	Description	Qty	Unit	Rate	Amount
xvii)	14th Floor	4,246	Cft.	601	2,551,846
xviii)	15th Floor	4,246	Cft.	601	2,551,846
xix)	16th Floor	4,246	Cft.	608	2,581,568
xx)	17th Floor	4,246	Cft.	608	2,581,568
xxi)	18th Floor	4,246	Cft.	608	2,581,568
xxii)	19th Floor	4,246	Cft.	608	2,581,568
xxiii)	20th Floor	4,246	Cft.	608	2,581,568
xxiv)	21st Floor	4,246	Cft.	614	2,607,044
xxv)	22nd Floor	4,246	Cft.	614	2,607,044
xxvi)	23rd Floor	3,106	Cft.	614	1,907,084
xxvii)	24th Floor	3,608	Cft.	614	2,215,312
C	Door & Windows Lintol				
iii)	Ground Floor	399	Cft.	588	234,612
iv)	1st Floor	339	Cft.	588	199,332
v)	2nd Floor	447	Cft.	588	262,836
vi)	3rd Floor	3,074	Cft.	588	1,807,512
vii)	4th Floor	3,074	Cft.	588	1,807,512
viii)	5th Floor	3,074	Cft.	588	1,807,512
ix)	6th Floor	3,074	Cft.	594	1,825,956
x)	7th Floor	3,074	Cft.	594	1,825,956
xi)	8th Floor	3,074	Cft.	594	1,825,956
xii)	9th Floor	493	Cft.	594	292,842
xiii)	10th Floor	514	Cft.	594	305,316
xiv)	11th Floor	3,006	Cft.	601	1,806,606
xv)	12th Floor	3,006	Cft.	601	1,806,606
xvi)	13th Floor	3,006	Cft.	601	1,806,606
xvii)	14th Floor	3,006	Cft.	601	1,806,606
xviii)	15th Floor	3,006	Cft.	601	1,806,606
xix)	16th Floor	3,006	Cft.	608	1,827,648
xx)	17th Floor	3,006	Cft.	608	1,827,648
xxi)	18th Floor	3,006	Cft.	608	1,827,648
xxii)	19th Floor	3,006	Cft.	608	1,827,648
xxiii)	20th Floor	3,006	Cft.	608	1,827,648
xxiv)	21st Floor	3,006	Cft.	614	1,845,684
xxv)	22nd Floor	3,006	Cft.	614	1,845,684
xxvi)	23rd Floor	197	Cft.	614	120,958
xxvii)	24th Floor	104	Cft.	614	63,856
D	Stair Case				
iii)	Ground Floor	2,304	Cft.	588	1,354,752
iv)	1st Floor	1,188	Cft.	588	698,544
v)	2nd Floor	862	Cft.	588	506,856
vi)	3rd Floor	820	Cft.	588	482,160
vii)	4th Floor	820	Cft.	588	482,160
viii)	5th Floor	820	Cft.	588	482,160
ix)	6th Floor	820	Cft.	594	487,080
x)	7th Floor	820	Cft.	594	487,080
xi)	8th Floor	820	Cft.	594	487,080
xii)	9th Floor	820	Cft.	594	487,080
xiii)	10th Floor	820	Cft.	594	487,080
xiv)	11th Floor	820	Cft.	601	492,820

SMK CONSTRUCTION CO.

BILL NO. 4 - SUPER STRUCTURE

S. No	Description	Qty	Unit	Rate	Amount
xv)	12th Floor	820	Cft.	601	492,820
xvi)	13th Floor	820	Cft.	601	492,820
xvii)	14th Floor	820	Cft.	601	492,820
xviii)	15th Floor	820	Cft.	601	492,820
xix)	16th Floor	820	Cft.	608	498,560
xx)	17th Floor	820	Cft.	608	498,560
xxi)	18th Floor	820	Cft.	608	498,560
xxii)	19th Floor	820	Cft.	608	498,560
xxiii)	20th Floor	820	Cft.	608	498,560
xxiv)	21st Floor	820	Cft.	614	503,480
xxv)	22nd Floor	820	Cft.	614	503,480
xxvi)	23rd Floor	820	Cft.	614	503,480
xxvii)	24th Floor	820	Cft.	614	503,480
4.03	Providing & laying **Deformed steel reinforcement** bars having minimum yield stress of 60,000 psi with and including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown over the drawings, placing in position on precast chairs of cement concrete Class A1 or MS chairs, tying with binding wire in all kinds of RCC work. Cost of chair and wires etc. deemed to be included in the rates and will not be paid separately.				
iii)	Ground Floor	344,604	Kg.	129	44,453,916
iv)	1st Floor	266,842	Kg.	129	34,422,618
v)	2nd Floor	238,817	Kg.	129	30,807,393
vi)	3rd Floor	189,061	Kg.	129	24,388,869
vii)	4th Floor	185,603	Kg.	129	23,943,787
viii)	5th Floor	185,603	Kg.	129	23,943,787
ix)	6th Floor	185,603	Kg.	129	23,943,787
x)	7th Floor	180,901	Kg.	134	24,240,734
xi)	8th Floor	180,901	Kg.	134	24,240,734
xii)	9th Floor	177,953	Kg.	134	23,845,702
xiii)	10th Floor	175,384	Kg.	134	23,501,456
xiv)	11th Floor	214,368	Kg.	139	29,797,152
xv)	12th Floor	94,813	Kg.	139	13,179,007
xvi)	13th Floor	93,293	Kg.	139	12,967,727
xvii)	14th Floor	93,709	Kg.	139	13,025,551
xviii)	15th Floor	93,709	Kg.	139	13,025,551
xix)	16th Floor	93,709	Kg.	139	13,025,551
xx)	17th Floor	93,709	Kg.	144	13,494,096
xxi)	18th Floor	93,709	Kg.	144	13,494,096
xxii)	19th Floor	93,709	Kg.	144	13,494,096
xxiii)	20th Floor	91,526	Kg.	144	13,179,744
xxiv)	21st Floor	91,526	Kg.	144	13,179,744
xxv)	22nd Floor	92,202	Kg.	149	13,738,098
xxvi)	23rd Floor	78,645	Kg.	149	11,718,105
xxvii)	24th Floor	173,316	Kg.	149	25,824,084

SMK CONSTRUCTION CO.

BILL NO. 4 - SUPER STRUCTURE

S. No	Description	Qty	Unit	Rate	Amount
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 04	1,036,818,682

SMK CONSTRUCTION CO.

BILL NO. 5 - BLOCK WORKS

S. No	Description	Qty	Unit	Rate	Amount
Note:					
1)	All blocks are to be machine made from the approved manufacturer or made on site under strick quality control.				
2)	Contractor is required to use crane for shifting of material expenses for use of crane deemed to be included in the quoted rates. Tower Crane has to be transported to site & made ready for work before commencement of construction works.				
3)	Contractor is required to use temporary lift and expenses for use of lift deemed to be included in the quoted rates.				
4)	Cost of all kind of cartage and steel pipe scaffolding is deemed to be included in the quoted rates and no extra payment will be entertained in this regards.				
5.01	Pre-cast **Solid Block masonry** set in 1:4 Cement sand mortar in super structure, including forming chases, grooves, and angles racking out of joints, or to provide key for plaster, scaffolding and all necessary items for a complete finish work as per specifications, drawings & as per the instructions of the Engineer. All blocks shall conform to the specifications as approved by the Engineer. (Compressive strength 1000 psi @ 28 days.)				
i)	Basement - 2	2,693	Cft.	294	791,742
ii)	Basement - 1	4,310	Cft.	294	1,267,140
iii)	Ground Floor	24,531	Cft.	294	7,212,114
iv)	1st Floor	12,169	Cft.	294	3,577,686
v)	2nd Floor	9,410	Cft.	294	2,766,540
vi)	3rd Floor	6,002	Cft.	294	1,764,588
vii)	4th Floor	6,002	Cft.	294	1,764,588
viii)	5th Floor	6,002	Cft.	294	1,764,588
ix)	6th Floor	6,002	Cft.	301	1,806,602
x)	7th Floor	6,002	Cft.	301	1,806,602
xi)	8th Floor	6,002	Cft.	301	1,806,602
xii)	9th Floor	6,002	Cft.	301	1,806,602
xiii)	10th Floor	6,002	Cft.	301	1,806,602
xiv)	11th Floor	2,887	Cft.	307	886,309
xv)	12th Floor	2,887	Cft.	307	886,309
xvi)	13th Floor	2,887	Cft.	307	886,309
xvii)	14th Floor	2,887	Cft.	307	886,309
xviii)	15th Floor	2,887	Cft.	307	886,309
xix)	16th Floor	2,887	Cft.	314	906,518
xx)	17th Floor	2,887	Cft.	314	906,518
xxi)	18th Floor	2,887	Cft.	314	906,518
xxii)	19th Floor	2,887	Cft.	314	906,518
xxiii)	20th Floor	2,887	Cft.	314	906,518
xxiv)	21st Floor	2,887	Cft.	321	926,727
xxv)	22nd Floor	2,887	Cft.	321	926,727
xxvi)	23rd Floor	2,053	Cft.	321	659,013
xxvii)	24th Floor	2,560	Cft.	321	821,760
xxviii)	Roof Floor	1,071	Cft.	321	343,791

SAK CONSTRUCTION CO.

BILL NO. 5 - BLOCK WORKS

S. No	Description	Qty	Unit	Rate	Amount
5.02	Pre-cast **Hollow Block masonry** set in 1:4 Cement sand mortar in super structure, including forming chases, grooves, and angles racking out of joints, or to provide key for plaster, scaffolding and all necessary items for a complete finish work as per specifications, drawings & as per the instructions of the Engineer. All blocks shall conform to the specifications as approved by the Engineer. (Compressive strength 1200 psi @ 28 days.)				
i)	Basement - 2	Rate Only	Cft.	227	
ii)	Basement - 1	Rate Only	Cft.	227	
iii)	Ground Floor	8,338	Cft.	227	1,892,726
iv)	1st Floor	9,050	Cft.	227	2,054,350
v)	2nd Floor	7,262	Cft.	227	1,648,474
vi)	3rd Floor	12,487	Cft.	227	2,834,549
vii)	4th Floor	12,487	Cft.	227	2,834,549
viii)	5th Floor	12,487	Cft.	227	2,834,549
ix)	6th Floor	12,487	Cft.	234	2,921,958
x)	7th Floor	12,487	Cft.	234	2,921,958
xi)	8th Floor	12,487	Cft.	234	2,921,958
xii)	9th Floor	10,575	Cft.	234	2,474,550
xiii)	10th Floor	12,487	Cft.	234	2,921,958
xiv)	11th Floor	5,290	Cft.	240	1,269,600
xv)	12th Floor	5,290	Cft.	240	1,269,600
xvi)	13th Floor	5,290	Cft.	240	1,269,600
xvii)	14th Floor	5,290	Cft.	240	1,269,600
xviii)	15th Floor	5,290	Cft.	240	1,269,600
xix)	16th Floor	5,290	Cft.	247	1,306,630
xx)	17th Floor	5,290	Cft.	247	1,306,630
xxi)	18th Floor	5,290	Cft.	247	1,306,630
xxii)	19th Floor	5,290	Cft.	247	1,306,630
xxiii)	20th Floor	5,290	Cft.	247	1,306,630
xxiv)	21st Floor	5,290	Cft.	254	1,343,660
xxv)	22nd Floor	5,290	Cft.	254	1,343,660
xxvi)	23rd Floor	3,569	Cft.	254	906,526
xxvii)	24th Floor	3,978	Cft.	254	1,010,412
xxviii)	Roof Floor	Rate Only	Cft.	254	

SMK CONSTRUCTION CO.

BILL NO. 5 - BLOCK WORKS

S. No	Description	Qty	Unit	Rate	Amount
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 05	88,331/36

SMK CONSTRUCTION CO.

BILL NO. 6 - METAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
1)	Works in this section are to be done by a compelent, experienced and approved steel sub-contractor.				
2)	All anchor bolts shall be hot dipped galvanized.				
3)	Contractor to submit design, calculations and shop drawings for steel members, cladding and rain water gutters & system for the approval of the Engineer.				
4)	Two layers of epoxy paint, to protect all structural steel sections, over primer of approved quality. One coat should be factory applied and one coat of epoxy to be applied at site.				
5)	Contractor must submit a performance guarantee for five years from the suppliers/manufacturers of paints, who shall also guarantee that the application is as per the manufacturer's specification and make good.				
6)	All material to be used shall be approved by the Engineer.				
7)	Contractor is required to prepare detailed shop drawing of the steel work including all structural detailing and calculation for the approval of the Engineer. All structural calculation should be done by the structural Engineer and to be done on computer based structural progress.				
8)	Contractor to get approval of steel structure works from Engineer, before starting the foundations works.				
9)	Contractor is required to use crane for shifting of material expenses for use of crane deemed to be included in the quoted rates. Tower Crane has to be transported to site & made ready for work before commencement of construction works.				
10)	Contractor is required to use temporary lift expenses for use of lift deemed to be included in the quoted rates.				
11)	Cost of all kind of cartage and steel pipe scaffolding is deemed to be included in the quoted rates and no extra payment will be entertained in this regards.				
6.01	Providing and installing complete **steel structural** works complete in all respects with Trusses, columns, beams, girders, joists, cleats, angles, perlins, plates, bolts,etc, two layers of epoxy paint to protect all structural steel sections over primer of approved quality. One coat should be factory applied and one coat of epoxy to be applied at site. Complete with all required accessories, as specified, as shown in the drawings and as per the instructions and approval of the Engineer. In case of omission of any necessary item above, it shall be deemed to be included in the quoted rate. at any height in any floor.	22,350	Kg	401	8,962,350
6.02	Providing and fixing **stairs railing** of stainless steel pipe horizontal pipe rail of 50mm dia on top including 25mm Tube in centre, bottom & vertical post at each alternate step with flange and flange cover as shown on drawings and as directed by the Engineer, & Including the cost of erection in position & cartage at any height in any floor. (Contractor to submit shop drawing to Engineer for approval before execution.)	7,810	Rft.	2671	20,860,510
6.03	Providing and fixing 50mm dia **stainless steel pipe** rail fixed on Stair side wall as per drawings and directions of the Engineer with & i/c. cutting holes in walls or RCC for fixing and making good the same, the cost includes erection in position & [illegible] at any height in any floor. (Contractor [illegible] shop drawing to Engineer for approval before execution.)	7,810	Rft.	748	5,841,880

BILL NO. 6 - METAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
6.04	Providing & fixing heavy duty **MS hollow Square Bar** of 1" in size for Balconies cutting & embedded in RCC, Block masonry, wood etc. including the cost of welding the joints where required, making good the same, the cost includes cartage and all lead and lift at any height in any floor. (Contractor to submit shop drawing to Engineer for approval before execution).	26,136	Rft	234	6,115,824
6.05	Providing & fixing **concertina wire** - high tensile 3mm line wire having tensile strength of 80 tons / sq. inch, with 4-point bard of 12 swg 3" - 3.5" apart, coil dia 600mm having 65 turns with alternate turns clipped together at 5 places; can open approx. 40ft complete in all respect as per drawing and direction of the Engineer.	141	Rft.	374	52,734
6.06	Providing & fixing **angle iron** vertical posts for concertina wire fencing of size 75mm x 75mm x 9.39mm embedded in RCC / Masonry pillars including making cuts/holes @ 12" including fixing in pillars by chiseling and filling with cement sand mortar for repairing & finishing the surface i/c zinc oxide approved paint complete in all respect as per the drawing and direction of the Engineer.	1,166	Rft.	243	283,338
6.07	Providing and fixing **M.S Gate** comprising required section of flat iron as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws, floor strip, wheels, drop bolts. Two layers of epoxy paint to protect all structural steel sections over primer of approved quality. One coat should be factory applied and one coat of epoxy to be site applied. complete as per drawings and direction of the Engineer.	750	Kg.	168	126,000
6.08	Providing and fixing **M.S Double Door** with louvers comprising required section of flat iron as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws. Two layers of epoxy paint to protect all structural steel sections over primer brush applied of approved quality. One coat should be factory applied and one coat of epoxy to be site applied. complete as per drawings and direction of the Engineer.	294	Kg.	168	49,392
6.09	Providing and fixing **M.S Louvered** single shutter two way swing door comprising required section of flat iron as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws, Two layers of epoxy paint to protect all structural steel sections over primer bursh applied of approved quality. One coat should be factory applied and one coat of epoxy to be site applied. complete as per drawings and directions of the Engineer.	7,620	Kg	168	1,280,160

SMK CONSTRUCTION CO.

BILL NO. 6 - METAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
6.10	Providing & Fixing in position **angle iron** 2" x 2" x 1/4" around columns up to 1M height including the cost of approved color epoxy paint (three coats) i/c all required accessories complete as per the direction of the Engineer.	5,123	Kg	168	860,664
6.11	Providing & Fixing in position **MS bar** 3/4" x 3/4" in Balcony, including the cost of approved color epoxy paint (three coats) i/c all required accessories complete as per the direction of the Engineer at any height in any floor.	17,019	Kg.	168	2,859,192
6.12	Providing and fixing **circular stair** as per drawing including cost of materials, fabrication, errection in position, two layers of epoxy paint to protect all structural steel sections over primer of approved quality. One coat should be factory applied and one coat of epoxy to be site applied. Complete with all required accessories, etc. as specified and as shown in the drawings, complete in all respects and as required by the consultant.	3,020	Kg.	206	622,120
6.13	Providing and fixing **Garbage Chute** G.I make of 16 SWG including red oxide paint, ribiting , punching, making shapes, access door 24" x 18" powder coated with steel handle, automatic fire cut off door, Washing Spy Nozzle with 2 Hp mono block pump, Burossing mechanism with 2 HP, Exhaust Fan of required size with canopy, electrical wiring and control panel & garbage trolley 48" x 48" x 48" MS painted with complete mechanism for ground floor + 24 floors complete in all respect as per the Direction of the Engineer. In case of omission of any necessary item above, it shall be deemed to be included in the quoted rate. at any height in any floor. (Contractor to submit shop drawings to Engineer for approval before execution)	-	Job.	5,048,705	5,048,705
6.14	Providing and fixing **Garbage Chute** G.I make of 16 SWG including red oxide paint, ribiting , punching, making shapes, access door 24" x 18" powder coated with steel handle, automatic fire cut off door, Washing Spy Nozzle with 2 Hp mono block pump, Burossing mechanism with 2 HP, Exhaust Fan of required size with canopy, electrical wiring and control panel & garbage trolley 48" x 48" x 48" of MS painted with complete mechanism for ground floor + 11 floors complete in all respect as per the Direction of the Engineer. In case of omission of any necessary item above, it shall be deemed to be included in the quoted rate. at any height in any floor. (Contractor to submit shop drawings to Engineer for approval before execution)	-	Job.	3,702,384	3,702,384

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BILL NO. 6 - METAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
6.15	Supply and fix **M.S**, safety step, guard bars, grills, railing, ladders brackets, hooks hold fasts and frames etc, cut to dead length, reduced to size, shape, figure etc., incl punching / drilling holes if necessary and fixing, assembling by welding or with the use of bolts, nuts, rivets washers et., and erection / fixing in position incl making good the disturbed surface. Two layers of epoxy paint to protect all structural steel sections over primer of approved quality. etc, complete. (Contractor to submit shop drawings to Engineer for approval before execution)	2,200	Kg.	206	453,200
6.16	Providing and fixing **Mild Steel railing** of 3½ft height comprising of horizontal tube 2"" x 2" at top, 1-1/2" x 1/4" flat at bottom & 3/4" x 3/4" vertical tube 8" c/c and 2" dia vertical post with round ball on top all as per drawings and directions of the Engineer with & i/c. cutting holes for fixing and making good the damages & painting with anti corrosive paint etc. complete	1,320	Rft	748	987,360
6.17	Providing and fixing railing of 1200mm height including 12 mm thick **tempered glass** with anti shattered film comprising of horizontal **S.S hand rail** at top & vertical posts all as per drawings and directions of the Engineer i/c. cutting holes in glass, clips, gasket for fixing and making good the damages etc. complete. Work to be done by specialized sub-contractor approved by the Engineer. Contractor to make shop drawings for approval before start of work. Contractor to make three different designs for the approval of the Engineer prior execution of Work.	50	Rft	1870	93,500
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 06	58,199,313

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BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
	Notes				
1)	For this section, contractor to submit samples for all finishing items, including corner/ angle beads, floor tiles, roof tiles, skirting, false ceiling, moldings, gypsum tiles, marble, Corian, paint, etc. Also, contractor to prepare shop drawings and site mock-up to show all the required details for the approval of the Engineer with in two months of issuance of work order.				
2)	All flooring shall be covered with plastic sheets covered by gypsum till the finalization of the project and to be removed & disposed off at the time of handing over. Cost deemed to be included in the rate of tile laying. No extra cost shall be paid in this regard.				
3)	Contractor is required to provide a certificate from the tile manufacture that all the tiles provided for the project are "A Quality" Also, contractor is required to provide copy of LC issued to the manufacturer showing that A-Quality tile are ordered.				
4)	In order to avoid cracks at the joints, the contractor shall ensure that all joints of dry wall and Gypsum Boards (both for ceiling, bulkhead and walls)be reinforced with minimum 50 mm wide self-adhesive fiberglass mesh tape, for gypsum / dry wall joints. Gypsum compound joint shall be applied to the Fiberglass tape mesh before painting works are done.				
5)	Contractor is required to provide samples and mock-up at site for suspension system for false ceiling, which should be based on the seismic Zone-4 requirements. The price of suspension system is inclusive in the price of false ceiling. No extra amount shall be paid in this regard.				
6)	Contractor is required to use crane for shifting of material expenses for use of crane deemed to be included in the quoted rates. Tower Crane has to be transported to site & made ready for work before commencement of construction works.				
7)	Contractor is required to use temporary lift and expenses for use of lift deemed to be included in the quoted rates.				
8)	Cost of all kind of cartage and steel pipe scaffolding is deemed to be included in the quoted rates and no extra payment will be entertained in this regards.				
9)	Whether mentioned anywhere or not, any sort of cutting, the cutting work has to be done with electric grinder of appropriate size. Chizzling is not allowed				
10)	All pipes, conduits, HVAC, wiring & joints of concrete & blocks masonry should have metal laith laid over before plaster. Plaster cost is deemed to be included the cost of metal laith and expenses on account of cutting with electric grinder.				
11)	**IMPORTANT NOTE**: For finishing works, refer to the drawings and in case there is a difference, confirm with Consultant before pricing the tender and execution at site.				
	PLASTER				
7.01	Providing and applying 13mm to 19mm thick cement sand plaster on walls, slab & columns, etc., including making edges & corners with corner/angle beads, plaster stops, supply & fixing G.I. wire gauge lath 6" wide fixed with concrete nails at junctions of walls/beams/columns, making edges, corners, bends with all required scaffolding & curing, etc. complete in all respects as per drawings, specifications, instructions and approval of the Engineer. Nominal Ratio. 1:4				
i)	Basement - 2	162,747	Sft.		
ii)	Basement - 1	167,008	Sft.		
iii)	Ground Floor	196,736	Sft.		

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
iv)	1st Floor	146,041	Sft.		
v)	2nd Floor	164,420	Sft.		
vi)	3rd Floor	80,668	Sft.		
vii)	4th Floor	80,668	Sft.		
viii)	5th Floor	80,668	Sft.		
ix)	6th Floor	80,668	Sft.		
x)	7th Floor	80,668	Sft.		
xi)	8th Floor	80,668	Sft.		
xii)	9th Floor	81,858	Sft.		
xiii)	10th Floor	84,254	Sft.		
xiv)	11th Floor	42,404	Sft.		
xv)	12th Floor	42,404	Sft.		
xvi)	13th Floor	42,404	Sft.		
xvii)	14th Floor	42,404	Sft.		
xviii)	15th Floor	42,404	Sft.		
xix)	16th Floor	42,404	Sft.		
xx)	17th Floor	42,404	Sft.		
xxi)	18th Floor	42,404	Sft.		
xxii)	19th Floor	42,404	Sft.		
xxiii)	20th Floor	42,404	Sft.		
xxiv)	21st Floor	42,404	Sft.		
xxv)	22nd Floor	42,404	Sft.		
xxvi)	23rd Floor	26,170	Sft.		
xxvii)	24th Floor	36,965	Sft.		
xxviii)	Roof Floor	2,003	Sft.		
7.02	Providing and applying 19mm to 38mm thick cement sand plaster on external walls, slabs & columns, etc. including making edges & corners with corner/angle beads, plaster stopper, G.I. wire gauge lath 6" wide fixed with concrete nails at junctions of wall/beams/columns. Plaster on external walls includes making edges, corners, decor-band, grooves i/c required scaffolding & curing, etc. complete in all respects, as per drawings, specifications, as per direction and approval of the Engineer. Nominal Ratio 1:4				
i)	Ground Floor	15,328	Sft.		
ii)	1st Floor	2,493	Sft.		
iii)	2nd Floor	2,767	Sft.		
iv)	3rd Floor	16,368	Sft.		
v)	4th Floor	16,368	Sft.		
vi)	5th Floor	16,368	Sft.		
vii)	6th Floor	16,368	Sft.		
viii)	7th Floor	16,368	Sft.		
ix)	8th Floor	16,368	Sft.		
x)	9th Floor	17,253	Sft.		
xi)	10th Floor	16,853	Sft.		
xii)	11th Floor	10,771	Sft.		
xiii)	12th Floor	8,426	Sft.		
xiv)	13th Floor	8,426	Sft.		
xv)	14th Floor	8,426	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
xvi)	15th Floor	8,426	Sft.		
xvii)	16th Floor	8,426	Sft.		
xviii)	17th Floor	8,426	Sft.		
xix)	18th Floor	8,426	Sft.		
xx)	19th Floor	8,426	Sft.		
xxi)	20th Floor	8,426	Sft.		
xxii)	21st Floor	8,426	Sft.		
xxiii)	22nd Floor	8,426	Sft.		
xxiv)	23rd Floor	7,362	Sft.		
xxv)	24th Floor	5,775	Sft.		
xxvi)	Roof Floor	10,464	Sft.		
	FLOORING				
7.03	Providing and laying Imported Matt / Gloss finish **Porcelain Tile in Floor 36" x 36"** size, as shown in the drawings, of approved shades, color and patterns in any design laid over 3/4" thick cement sand mortor base (1:4),with slurry of grey cement over base including filling the joints with approved grout of matching color, curing, finishing, and cleaning on completion, the cost include cartage all lead and lift at any height in any floor, complete in all respects as per direction of the Engineer. (Made of UAE, Spanish or any other Equivalent as approved by the Engineer.)	47,950	Sft.		
7.04	Providing and laying Imported Matt / Gloss finish **Porcelain Tiles Skirting / Dado** of approved size as shown on the drawings in approved shades, color and patterns in any design including 1/2" thick cement sand base (1:4), Setting of tiles with slurry of grey cement over base including filling the joints with approved grout of matching color curing, finishing, and cleaning on completion, at any height in any floor, including the cost of cartage etc. complete in all respects as per direction of the Engineer. (Made of UAE, Spanish or any other Equivalent as approved by the Engineer.)	13,834	Sft.		
7.05	Providing and laying Imported Matt / Gloss finish **Porcelain Tile in Floor 24" x 24"** size, as shown in the drawings, of approved shades, color and patterns in any design laid over 3/4" thick cement sand mortor base (1:4),with slurry of grey cement over base including filling the joints with approved grout of matching color, curing, finishing, and cleaning on completion, at any height in any floor, including the cost of cartage etc. complete in all respects as per direction of the Engineer. (Made of UAE, Spanish or any other Equivalent as approved by the Engineer.)				
i)	Basement - 2	Rate Only	Sft.		
ii)	Basement - 1	199	Sft.		

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BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
iii)	Ground Floor	4,315	Sft.		
iv)	1st Floor	2,267	Sft.		
v)	2nd Floor	1,646	Sft.		
vi)	3rd Floor	21,111	Sft.		
vii)	4th Floor	21,111	Sft.		
viii)	5th Floor	21,111	Sft.		
ix)	6th Floor	21,111	Sft.		
x)	7th Floor	21,111	Sft.		
xi)	8th Floor	21,111	Sft.		
xii)	9th Floor	17,808	Sft.		
xiii)	10th Floor	20,335	Sft.		
xiv)	11th Floor	10,677	Sft.		
xv)	12th Floor	10,677	Sft.		
xvi)	13th Floor	10,677	Sft.		
xvii)	14th Floor	10,677	Sft.		
xviii)	15th Floor	10,677	Sft.		
xix)	16th Floor	10,677	Sft.		
xx)	17th Floor	10,677	Sft.		
xxi)	18th Floor	10,677	Sft.		
xxii)	19th Floor	10,677	Sft.		
xxiii)	20th Floor	10,677	Sft.		
xxiv)	21st Floor	10,677	Sft.		
xxv)	22nd Floor	10,677	Sft.		
xxvi)	23rd Floor	7,854	Sft.		
xxvii)	24th Floor	Rate Only	Sft.		
xxviii)	Roof Floor	Rate Only	Sft.		
7.06	Providing and laying Imported Matt / Gloss finish **Porcelain Tiles Skirting / Dado** of approved size as shown in the drawings of approved shades, color and patterns in any design including 1/2" thick cement sand base (1:4), Setting of tiles with slurry of grey cement over base including filling the joints with approved grout of matching color curing, finishing, and cleaning on completion, at any height in any floor, including the cost of cartage etc. complete in all respects as per direction of the Engineer. (Made of UAE, Spanish or any other Equivalent as approved by the Engineer.)				
i)	Basement - 2	Rate Only	Sft.		
ii)	Basement - 1	674	Sft.		
iii)	Ground Floor	7,874	Sft.		
iv)	1st Floor	6,696	Sft.		
v)	2nd Floor	4,059	Sft.		
vi)	3rd Floor	12,377	Sft.		
vii)	4th Floor	12,377	Sft.		
viii)	5th Floor	12,377	Sft.		
ix)	6th Floor	12,377	Sft.		
x)	7th Floor	12,377	Sft.		
xi)	8th Floor	12,377	Sft.		
xii)	9th Floor	10,541	Sft.		
xiii)	10th Floor	10,570	Sft.		

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BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
xiv)	11th Floor	7,189	Sft.		
xv)	12th Floor	7,189	Sft.		
xvi)	13th Floor	7,189	Sft.		
xvii)	14th Floor	7,189	Sft.		
xviii)	15th Floor	7,189	Sft.		
xix)	16th Floor	7,189	Sft.		
xx)	17th Floor	7,189	Sft.		
xxi)	18th Floor	7,189	Sft.		
xxii)	19th Floor	7,189	Sft.		
xxiii)	20th Floor	7,189	Sft.		
xxiv)	21st Floor	7,189	Sft.		
xxv)	22nd Floor	7,189	Sft.		
xxvi)	23rd Floor	5,470	Sft.		
xxvii)	24th Floor	106	Sft.		
xxviii)	Roof Floor	Rate Only	Sft.		
7.07	Providing and laying Imported Matt / Gloss finish **Porcelain Tile in Floor 216 Sq. Inches to 288 Sq. Inches** size, as shown in the drawings, of approved shades, color and patterns in any design laid over 3/4" thick cement sand mortor base (1:4),with slurry of grey cement over base including filling the joints with approved grout of matching color, curing, finishing, and cleaning on completion, at any height in any floor, including the cost of cartage etc. complete in all respects as per direction of the Engineer (Made of UAE, Spanish or any other Equivalent as approved by the Engineer.)				
i)	Basement - 2	Rate Only	Sft.		
ii)	Basement - 1	Rate Only	Sft.		
iii)	Ground Floor	Rate Only	Sft.		
iv)	1st Floor	Rate Only	Sft.		
v)	2nd Floor	Rate Only	Sft.		
vi)	3rd Floor	3,347	Sft.		
vii)	4th Floor	3,347	Sft.		
viii)	5th Floor	3,347	Sft.		
ix)	6th Floor	3,347	Sft.		
x)	7th Floor	3,347	Sft.		
xi)	8th Floor	3,347	Sft.		
xii)	9th Floor	2,797	Sft.		
xiii)	10th Floor	2,797	Sft.		
xiv)	11th Floor	1,673	Sft.		
xv)	12th Floor	1,673	Sft.		
xvi)	13th Floor	1,673	Sft.		
xvii)	14th Floor	1,673	Sft.		
xviii)	15th Floor	1,673	Sft.		
xix)	16th Floor	1,673	Sft.		
xx)	17th Floor	1,673	Sft.		
xxi)	18th Floor	1,673	Sft.		
xxii)	19th Floor	1,673	Sft.		
xxiii)	20th Floor	1,673	Sft.		

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BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
xxiv)	21st Floor	1,673	Sft.		
xxv)	22nd Floor	1,673	Sft.		
xxvi)	23rd Floor	1,224	Sft.		
xxvii)	24th Floor	535	Sft.		
xxviii)	Roof Floor	Rate Only	Sft.		
7.08	Providing and laying imported Matt / Gloss finish **Porcelain Tiles Skirting / Dado** of approved size as shown on the drawings in approved shades, color and patterns in any design including 1/2" thick cement sand base (1:4), Setting of tiles with slurry of grey cement over base including cutting the tiles with machine cutter in required size & shape and filling the joints with approved grout of matching color curing, finishing, and cleaning on completion, at any height in any floor, including the cost of cartage etc. complete in all respects as per direction of the Engineer. (Made of UAE, Spanish or any other Equivalent as approved by the Engineer.)				
i)	Basement - 2	Rate Only	Sft.		
ii)	Basement - 1	Rate Only	Sft.		
iii)	Ground Floor	Rate Only	Sft.		
iv)	1st Floor	Rate Only	Sft.		
v)	2nd Floor	Rate Only	Sft.		
vi)	3rd Floor	5,922	Sft.		
vii)	4th Floor	5,922	Sft.		
viii)	5th Floor	5,922	Sft.		
ix)	6th Floor	5,922	Sft.		
x)	7th Floor	5,922	Sft.		
xi)	8th Floor	5,922	Sft.		
xii)	9th Floor	4,641	Sft.		
xiii)	10th Floor	4,641	Sft.		
xiv)	11th Floor	2,961	Sft.		
xv)	12th Floor	2,961	Sft.		
xvi)	13th Floor	2,961	Sft.		
xvii)	14th Floor	2,961	Sft.		
xviii)	15th Floor	2,961	Sft.		
xix)	16th Floor	2,961	Sft.		
xx)	17th Floor	2,961	Sft.		
xxi)	18th Floor	2,961	Sft.		
xxii)	19th Floor	2,961	Sft.		
xxiii)	20th Floor	2,961	Sft.		
xxiv)	21st Floor	2,961	Sft.		
xxv)	22nd Floor	2,961	Sft.		
xxvi)	23rd Floor	2,289	Sft.		
xxvii)	24th Floor	668	Sft.		
xxviii)	Roof Floor	Rate Only	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.09	Providing and laying Imported make **Elevation Tile in Floor 160Sq. Inches to 260 Sq. Inches** in any size, as shown in the drawings, of approved shades, color and patterns in any design laid over 3/4" thick cement sand mortor base (1:4),with slurry of grey cement over base including filling the joints with approved grout of matching color, curing, finishing, and cleaning on completion, at any height in any floor. The cost include all cartage, lead and lift etc. complete in all respects as per direction of the Engineer. (Made of UAE, Thailand, Spanish or any other Equivalent as approved by the Engineer.)				
i)	Basement - 2	Rate Only	Sft.		
ii)	Basement - 1	Rate Only	Sft.		
iii)	Ground Floor	1,350	Sft.		
iv)	1st Floor	1,053	Sft.		
v)	2nd Floor	1,003	Sft.		
vi)	3rd Floor	7,992	Sft.		
vii)	4th Floor	7,992	Sft.		
viii)	5th Floor	7,992	Sft.		
ix)	6th Floor	7,992	Sft.		
x)	7th Floor	7,992	Sft.		
xi)	8th Floor	7,992	Sft.		
xii)	9th Floor	6,668	Sft.		
xiii)	10th Floor	6,668	Sft.		
xiv)	11th Floor	3,996	Sft.		
xv)	12th Floor	3,996	Sft.		
xvi)	13th Floor	3,996	Sft.		
xvii)	14th Floor	3,996	Sft.		
xviii)	15th Floor	3,996	Sft.		
xix)	16th Floor	3,996	Sft.		
xx)	17th Floor	3,996	Sft.		
xxi)	18th Floor	3,996	Sft.		
xxii)	19th Floor	3,996	Sft.		
xxiii)	20th Floor	3,996	Sft.		
xxiv)	21st Floor	3,996	Sft.		
xxv)	22nd Floor	3,996	Sft.		
xxvi)	23rd Floor	3,474	Sft.		
xxvii)	24th Floor	1,230	Sft.		
xxviii)	Roof Floor	Rate Only	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.10	Providing and laying Imported **Ceramic Tile in Floor 216 Sq. Inches to 576 Sq. Inches** size, as shown in the drawings, of approved shades, color and patterns in any design laid over 3/4" thick cement sand mortor base (1:4),with slurry of grey cement over base including cutting the tiles with machine cutter in required size & shape and filling the joints with approved grout of matching color, curing, finishing, and cleaning on completion, at any height in any floor. The cost includes all lead and lift etc. complete in all respects as per direction of the Engineer. (Made of UAE, Spanish or any other Equivalent as approved by the Engineer.)				
i)	Basement - 2	Rate Only	Sft.		
ii)	Basement - 1	199	Sft.		
iii)	Ground Floor	4,723	Sft.		
iv)	1st Floor	2,375	Sft.		
v)	2nd Floor	1,725	Sft.		
vi)	3rd Floor	4,562	Sft.		
vii)	4th Floor	4,562	Sft.		
viii)	5th Floor	4,562	Sft.		
ix)	6th Floor	4,562	Sft.		
x)	7th Floor	4,562	Sft.		
xi)	8th Floor	4,562	Sft.		
xii)	9th Floor	3,999	Sft.		
xiii)	10th Floor	4,138	Sft.		
xiv)	11th Floor	2,231	Sft.		
xv)	12th Floor	2,281	Sft.		
xvi)	13th Floor	2,281	Sft.		
xvii)	14th Floor	2,281	Sft.		
xviii)	15th Floor	2,281	Sft.		
xix)	16th Floor	2,281	Sft.		
xx)	17th Floor	2,281	Sft.		
xxi)	18th Floor	2,281	Sft.		
xxii)	19th Floor	2,281	Sft.		
xxiii)	20th Floor	2,281	Sft.		
xxiv)	21st Floor	2,281	Sft.		
xxv)	22nd Floor	2,281	Sft.		
xxvi)	23rd Floor	1,594	Sft.		
xxvii)	24th Floor	1,403	Sft.		
xxviii)	Roof Floor	Rate Only	Sft.		

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BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.11	Providing and laying Imported **Ceramic Tiles Skirting / Dado** of approved size as shown of the drawings in approved shades, color and patterns in any design including 1/2" thick cement sand base (1:4). Setting of tiles with slurry of grey cement over base including cutting the tiles with machine cutter in required size & shape and filling the joints with approved grout of matching color curing, finishing, and cleaning on completion, at any height in any floor, including the cost of cartage etc. complete in all respects as per direction of the Engineer. (Made of UAE, Thailand, Spanish or any other Equivalent as approved by the Engineer.)				
i)	Basement - 2	Rate Only	Sft.		
ii)	Basement - 1	425	Sft.		
iii)	Ground Floor	7,480	Sft.		
iv)	1st Floor	6,339	Sft.		
v)	2nd Floor	3,818	Sft.		
vi)	3rd Floor	5,442	Sft.		
vii)	4th Floor	5,442	Sft.		
viii)	5th Floor	5,442	Sft.		
ix)	6th Floor	5,442	Sft.		
x)	7th Floor	5,442	Sft.		
xi)	8th Floor	5,442	Sft.		
xii)	9th Floor	4,708	Sft.		
xiii)	10th Floor	4,708	Sft.		
xiv)	11th Floor	2,721	Sft.		
xv)	12th Floor	2,721	Sft.		
xvi)	13th Floor	2,721	Sft.		
xvii)	14th Floor	2,721	Sft.		
xviii)	15th Floor	2,721	Sft.		
xix)	16th Floor	2,721	Sft.		
xx)	17th Floor	2,721	Sft.		
xxi)	18th Floor	2,721	Sft.		
xxii)	19th Floor	2,721	Sft.		
xxiii)	20th Floor	2,721	Sft.		
xxiv)	21st Floor	2,721	Sft.		
xxv)	22nd Floor	2,721	Sft.		
xxvi)	23rd Floor	2,701	Sft.		
xxvii)	24th Floor	1,489	Sft.		
7.12	Providing & laying **3" thick floor** in panel using glass pati of 1-1/2 size 1:2:4 cement concrete using graded & screened crush 3/4" thick & down gauge as directed. The cost include all form work, curing, lead, lift, scaffolding etc. complete in all respect.				
i)	Basement - 2	45,449	Sft.		
ii)	Basement - 1	46,188	Sft.		
iii)	Ground Floor	1,633	Sft.		
iv)	1st Floor	438	Sft.		
v)	2nd Floor	3,648	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
vi)	3rd Floor	457	Sft.		
vii)	4th Floor	457	Sft.		
viii)	5th Floor	457	Sft.		
ix)	6th Floor	457	Sft.		
x)	7th Floor	457	Sft.		
xi)	8th Floor	457	Sft.		
xii)	9th Floor	457	Sft.		
xiii)	10th Floor	457	Sft.		
xiv)	11th Floor	457	Sft.		
xv)	12th Floor	228	Sft.		
xvi)	13th Floor	228	Sft.		
xvii)	14th Floor	228	Sft.		
xviii)	15th Floor	228	Sft.		
xix)	16th Floor	228	Sft.		
xx)	17th Floor	228	Sft.		
xxi)	18th Floor	228	Sft.		
xxii)	19th Floor	228	Sft.		
xxiii)	20th Floor	228	Sft.		
xxiv)	21st Floor	228	Sft.		
xxv)	22nd Floor	228	Sft.		
xxvi)	23rd Floor	228	Sft.		
xxvii)	24th Floor	228	Sft.		
xxviii)	Roof Floor	493	Sft.		
7.13	*Providing and fixing polished 3/4" thick* **Tossa White Marble** *One Piece with 1/4" thick carborendum fill length wise on Tread making round edges & corners setting in 1:4 Cement sand mortar base 3/4" thick, washing the tiles with cement slurry of matching color grinding, chemical polishing etc. at any height in any floor. The cost include cartage etc. complete in all respect as per direction of the Engineer.)*				
i)	Basement - 2	1,251	Sft.		
ii)	Basement - 1	1,284	Sft.		
iii)	Ground Floor	3,433	Sft.		
iv)	1st Floor	1,292	Sft.		
v)	2nd Floor	1,299	Sft.		
vi)	3rd Floor	1,352	Sft.		
vii)	4th Floor	1,352	Sft.		
viii)	5th Floor	1,352	Sft.		
ix)	6th Floor	1,352	Sft.		
x)	7th Floor	1,352	Sft.		
xi)	8th Floor	1,352	Sft.		
xii)	9th Floor	1,352	Sft.		
xiii)	10th Floor	1,352	Sft.		
xiv)	11th Floor	851	Sft.		
xv)	12th Floor	851	Sft.		
xvi)	13th Floor	851	Sft.		
xvii)	14th Floor	851	Sft.		
xviii)	15th Floor	851	Sft.		
xix)	16th Floor	851	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
xx)	17th Floor	851	Sft.		
xxi)	18th Floor	851	Sft.		
xxii)	19th Floor	851	Sft.		
xxiii)	20th Floor	851	Sft.		
xxiv)	21st Floor	851	Sft.		
xxv)	22nd Floor	851	Sft.		
xxvi)	23rd Floor	851	Sft.		
xxvii)	24th Floor	851	Sft.		
xxviii)	Roof Floor	851	Sft.		
7.14	Providing and fixing 3/8" thick **Tossa White Marble** on riser over 1/2" (13mm) thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints with approved quality grout of matching color and washing the tiles with matching grout, curing, finishing, cleaning and chemical polishing etc, at any height in any floor, including the cost of cartage complete in all respect and as per direction of the Engineer.				
i)	Basement - 2	248	Sft.		
ii)	Basement - 1	289	Sft.		
iii)	Ground Floor	782	Sft.		
iv)	1st Floor	358	Sft.		
v)	2nd Floor	347	Sft.		
vi)	3rd Floor	269	Sft.		
vii)	4th Floor	269	Sft.		
viii)	5th Floor	269	Sft.		
ix)	6th Floor	269	Sft.		
x)	7th Floor	269	Sft.		
xi)	8th Floor	269	Sft.		
xii)	9th Floor	269	Sft.		
xiii)	10th Floor	269	Sft.		
xiv)	11th Floor	135	Sft.		
xv)	12th Floor	135	Sft.		
xvi)	13th Floor	135	Sft.		
xvii)	14th Floor	135	Sft.		
xviii)	15th Floor	135	Sft.		
xix)	16th Floor	135	Sft.		
xx)	17th Floor	135	Sft.		
xxi)	18th Floor	135	Sft.		
xxii)	19th Floor	135	Sft.		
xxiii)	20th Floor	135	Sft.		
xxiv)	21st Floor	135	Sft.		
xxv)	22nd Floor	135	Sft.		
xxvi)	23rd Floor	135	Sft.		
xxvii)	24th Floor	135	Sft.		
xxviii)	Roof Floor	135	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.15	Providing decorative landings comprising 3/4" thick **Tossa White Marble** of approved pattern, shape best quality over 1-1/2" thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with approved grout of matching color, curing, finishing, cleaning and chemical polishing , cutting tile of different sizes required as per the drawing / site etc, at any height in any floor, including the cost of cartage complete in all respect as per direction and approval of the Engineer.	2,772	Sft.		
7.16	Providing and fixing polished 3/4" thick **Torched Granite** best quality Matt / Gloss finish of any approved shade and type, One Piece with 1/4" thick carborendum fill length wise on Tread with 1:4 Cement sand mortar base 3/4" thick, washing the tiles with cement slurry of matching color including cutting, chemical polishing etc. at any height at any floor, including the cost of cartage complete in all respect as per direction of the Engineer.)	650	Sft.		
7.17	Providing and fixing 3/8" thick **Granite** best quality Matt / Gloss finish on riser over 1/2" (13mm) thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with grout of matching color, curing, finishing, cleaning and chemical polishing etc, at any height in any floor, including the cost of cartage complete in all respect as per direction and approval of the Engineer.	240	Sft.		
7.18	Providing **decorative landings** comprising 3/4" thick **Granite** of approved color, pattern, shape best quality over 1-1/2" thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with approved grout of matching color, curing, finishing, cleaning and chemical polishing , cutting tile of different sizes required as per the drawing / site etc, at any height in any floor, including the cost of cartage complete in all respect as per direction and approval of the Engineer.	634	Sft.		
7.19	Providing & fixing 3/4" thick **Granite in floors** best quality of approved size, shapes, color and types with Sheen tiles of **576 Sq. Inches to 1152 Sq. Inches**, mix color over cement sand mortar (1:4) 1-1/4" thick, setting of tiles with slurry of grey cement over mortar base i/c filling the joints with grout of matching color grinding, chemical polishing and curing etc. at any height in any floor complete as per drawing and instructions of the Engineer.				
	Basement - 2	805	Sft.		

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
ii)	Basement - 1	805	Sft.		
iii)	Ground Floor	16,278	Sft.		
iv)	1st Floor	8,851	Sft.		
v)	2nd Floor	6,642	Sft.		
vi)	3rd Floor	4,381	Sft.		
vii)	4th Floor	4,381	Sft.		
viii)	5th Floor	4,381	Sft.		
ix)	6th Floor	4,381	Sft.		
x)	7th Floor	4,381	Sft.		
xi)	8th Floor	4,381	Sft.		
xii)	9th Floor	6,877	Sft.		
xiii)	10th Floor	4,381	Sft.		
xiv)	11th Floor	2,593	Sft.		
xv)	12th Floor	2,593	Sft.		
xvi)	13th Floor	2,593	Sft.		
xvii)	14th Floor	2,593	Sft.		
xviii)	15th Floor	2,593	Sft.		
xix)	16th Floor	2,593	Sft.		
xx)	17th Floor	2,593	Sft.		
xxi)	18th Floor	2,593	Sft.		
xxii)	19th Floor	2,593	Sft.		
xxiii)	20th Floor	2,593	Sft.		
xxiv)	21st Floor	2,593	Sft.		
xxv)	22nd Floor	2,593	Sft.		
xxvi)	23rd Floor	2,517	Sft.		
xxvii)	24th Floor	1,823	Sft.		
xxviii)	Roof Floor	Rate Only	Sft.		
7.20	Providing and fixing 3/8" thick **Granite in Skirting / Dado** best quality with sheen on floors, over 1/2" (13mm) thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with grout of matching color, curing, finishing, cleaning and chemical polishing etc, complete in all respect as per direction & approval of the Engineer.				
i)	Basement - 2	1,356	Sft.		
ii)	Basement - 1	1,243	Sft.		
iii)	Ground Floor	7,549	Sft.		
iv)	1st Floor	8,668	Sft.		
v)	2nd Floor	7,310	Sft.		
vi)	3rd Floor	3,454	Sft.		
vii)	4th Floor	3,454	Sft.		
viii)	5th Floor	3,454	Sft.		
ix)	6th Floor	3,454	Sft.		
x)	7th Floor	3,454	Sft.		
xi)	8th Floor	3,454	Sft.		
xii)	9th Floor	4,629	Sft.		
xiii)	10th Floor	3,210	Sft.		
xiv)	11th Floor	1,830	Sft.		
xv)	12th Floor	1,830	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

No	Description	Qty	Unit	Rate	Amount
(vi)	13th Floor	1,830	Sft.		
(vii)	14th Floor	1,830	Sft.		
(viii)	15th Floor	1,830	Sft.		
(ix)	16th Floor	1,830	Sft.		
(x)	17th Floor	1,830	Sft.		
(xi)	18th Floor	1,830	Sft.		
(xii)	19th Floor	1,830	Sft.		
(xiii)	20th Floor	1,830	Sft.		
(xiv)	21st Floor	1,830	Sft.		
(xv)	22nd Floor	1,830	Sft.		
(xvi)	23rd Floor	1,882	Sft.		
(xvii)	24th Floor	2,719	Sft.		
(xviii)	Roof Floor	Rate Only	Sft.		
7.21	Providing & fixing **Granite Glaxy black or equivalent** best quality vanity in top of approved color, shade and type, slab using 1-1/4 inch thick 3'-6" x 2' in size including vertical, horizontal and mid shelve of granite where required, glazed cutting one hole for bowl in granite top complete including fixing of granite side shelves & front border, polishing, making corner, edges in round shapes etc., complete as per drawings & design and as per instruction of the Engineer.				
(i)	Basement - 2	Rate Only	Sft.		
(ii)	Basement - 1	680	Sft.		
(iii)	Ground Floor	680	Sft.		
(iv)	1st Floor	680	Sft.		
(v)	2nd Floor	680	Sft.		
(vi)	3rd Floor	680	Sft.		
(vii)	4th Floor	680	Sft.		
(viii)	5th Floor	680	Sft.		
(ix)	6th Floor	680	Sft.		
(x)	7th Floor	680	Sft.		
(xi)	8th Floor	680	Sft.		
(xii)	9th Floor	680	Sft.		
(xiii)	10th Floor	680	Sft.		
(xiv)	11th Floor	680	Sft.		
(xv)	12th Floor	680	Sft.		
(xvi)	13th Floor	680	Sft.		
(xvii)	14th Floor	680	Sft.		
(xviii)	15th Floor	680	Sft.		
(xix)	16th Floor	680	Sft.		
(xx)	17th Floor	680	Sft.		
(xxi)	18th Floor	680	Sft.		
(xxii)	19th Floor	680	Sft.		
(xxiii)	20th Floor	680	Sft.		
(xxiv)	21st Floor	680	Sft.		
(xxv)	22nd Floor	680	Sft.		
(xxvi)	23rd Floor	680	Sft.		
(xxvii)	24th Floor	680	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.22	Providing & fixing **Tossa White Marble** tiles of **432 sq. inches to 576 sq. inches** mix color over cement sand mortar (1:4) 1-1/4" thick, setting of tiles with slurry of grey cement over mortar base i/c filling the joints with approved grout of matching color grinding, chemical polishing, etc. complete as per drawing and instructions of the Engineer.	5,315	Sft.		
7.23	Providing and fixing 3/8" thick **Tossa White Marble on Skirting / Dado** over 1/2" (13mm) thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with approved quality grout of matching color, curing, finishing, cleaning and chemical polishing etc, at any height in any floor, including the cost of cartage etc complete in all respect as per direction and approval of the Engineer.	387	Sft.		
7.24	Providing and fixing polished 3/4" thick **Ziarat White Marble** One Piece with 1/4" thick carborendum fill length wise on Tread with 1:4 Cement sand mortar base 3/4" thick, washing the tiles with cement slurry of matching color including cutting, chemical polishing etc, at any height in any floor, including the cost of cartage etc complete in all respect and as per direction of the Engineer.)	689	Sft.		
7.25	Providing and fixing 3/8" thick **Ziarat White Marble on riser** over 1/2" (13mm) thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with matching color grout, curing, finishing, cleaning and chemical polishing etc, at any height in any floor, including the cost of cartage etc complete in all respect as per directions and approval of the Engineer.	198	Sft.		
7.26	Providing **decorative landings** comprising 3/4" thick **Ziarat White Marble** of approved pattern, shape best quality over 1-1/2" thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with approved grout of matching color, curing, finishing, cleaning and chemical polishing , cutting tile of different sizes required as per the drawing / site etc, at any height in any floor, including the cost of cartage complete in all respect as per direction and approval of the Engineer.	396	Sft.		

SMK CONSTRUCTION CO.

7.27	Providing and fixing 3/8" thick **Ziarat White Marble on Skirting** over 1/2" (13mm) thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with grout of matching color, curing, finishing, cleaning and chemical polishing etc, at any height in any floor, including the cost of cartage etc. complete in all respect as per directions and approval of the Engineer.	217	Sft.	
7.28	Supply and apply in approved colors, non **slip** multilayered **epoxy coating** for flooring on ramps and other areas, as per specifications and manufacturer's recommendations. Complete in all respect. Minimum 1000 microns to provide seamless finish.	368	Sft.	
7.29	Providing and laying **synthetic carpet** of approved colors & designs, including underlay, stitching, where required, cost include all lead and lift charges, complete in all respects, as per the approval of the Engineer. (For Prayer Room)	4,446	Sft.	
7.30	Providing and laying imported **Woolen Saffs** of approved colors & designs cost include all lead and lift charges, complete in all respects, as per the approval of the Engineer. (For Prayer Room)	4,446	Sft.	
7.31	Providing and fixing Heavy Duty **Safety Rubber Mat / Tiles floor / dado** after rectification of minor undulations as per drawings, specification and approval of the Engineer.	1,305	Sft.	
7.32	Supplying and applying **non slip high build flooring system** for parking area with approved material i/c surface preparation, primer & sealer etc, complete as per drawings, specification and approval of the Engineer.	112,000	Sft.	
	WOODEN FLOORING			
	IMPORTANT NOTES:			
a)	The flooring installation should be done at the end of finishing works.			
b)	All wood must be dried & seasoned with moisture content of 7 to 8 %.			
c)	Contractor is required to make sure that the top level of each flooring should be same or as desired by consultant.			

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.33	Providing and laying **Wooden Tiles flooring and skirting** of approved colors & designs of interwood. First floor, Lamett or equivalent, cost include all lead and lift charges, complete in all respects, as per the approval of the Engineer. Work to be done by specialized sub - contractor.	4,992	Sft.		
	PAINT				
7.34	Supply and applying **Washable Matt Finish Paint** on interior Plastered walls of approved manufacturer and shade, applied by roller for shell finish, 3 coats over & including primer coat, ready-mix based wall filling putty in voids & rubbing the surface, complete in all respect, on all plaster surfaces at any height in any floor, as directed by the Engineer.				
i)	Basement - 2	73,041	Sft.		
ii)	Basement - 1	64,571	Sft.		
iii)	Ground Floor	157,387	Sft.		
iv)	1st Floor	126,814	Sft.		
v)	2nd Floor	107,315	Sft.		
vi)	3rd Floor	53,435	Sft.		
vii)	4th Floor	53,435	Sft.		
viii)	5th Floor	53,435	Sft.		
ix)	6th Floor	53,435	Sft.		
x)	7th Floor	53,435	Sft.		
xi)	8th Floor	53,435	Sft.		
xii)	9th Floor	52,989	Sft.		
xiii)	10th Floor	57,021	Sft.		
xiv)	11th Floor	28,788	Sft.		
xv)	12th Floor	28,788	Sft.		
xvi)	13th Floor	28,788	Sft.		
xvii)	14th Floor	28,788	Sft.		
xviii)	15th Floor	28,788	Sft.		
xix)	16th Floor	28,788	Sft.		
xx)	17th Floor	28,788	Sft.		
xxi)	18th Floor	28,788	Sft.		
xxii)	19th Floor	28,788	Sft.		
xxiii)	20th Floor	28,788	Sft.		
xxiv)	21st Floor	28,788	Sft.		
xxv)	22nd Floor	28,788	Sft.		
xxvi)	23rd Floor	16,113	Sft.		
xxvii)	24th Floor	25,781	Sft.		
xxviii)	Roof Floor	1,676	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.35	Supply and applying **Distemper** of approved manufacturer and shade, applied roller for shell finish, 3 coats over & including primer coat, filling, putty in voids & rubbing the surface, complete in all respect, on all ceiling plaster surfaces at any height in any floor, as directed by the Engineer				
i)	Basement - 2	90,356	Sft.		
ii)	Basement - 1	102,437	Sft.		
iii)	Ground Floor	39,349	Sft.		
iv)	1st Floor	19,227	Sft.		
v)	2nd Floor	57,105	Sft.		
vi)	3rd Floor	26,603	Sft.		
vii)	4th Floor	26,603	Sft.		
viii)	5th Floor	26,603	Sft.		
ix)	6th Floor	26,603	Sft.		
x)	7th Floor	26,603	Sft.		
xi)	8th Floor	26,603	Sft.		
xii)	9th Floor	26,869	Sft.		
xiii)	10th Floor	27,233	Sft.		
xiv)	11th Floor	13,837	Sft.		
xv)	12th Floor	13,837	Sft.		
xvi)	13th Floor	13,837	Sft.		
xvii)	14th Floor	13,837	Sft.		
xviii)	15th Floor	13,837	Sft.		
xix)	16th Floor	13,837	Sft.		
xx)	17th Floor	13,837	Sft.		
xxi)	18th Floor	13,837	Sft.		
xxii)	19th Floor	13,837	Sft.		
xxiii)	20th Floor	13,837	Sft.		
xxiv)	21st Floor	13,837	Sft.		
xxv)	22nd Floor	13,837	Sft.		
xxvi)	23rd Floor	10,057	Sft.		
xxvii)	24th Floor	11,185	Sft.		
xxviii)	Roof Floor	328	Sft.		
7.36	Supply and applying **Weather Shield Paint** on interior / exterior Plastered walls of approved manufacturer and shade, applied by roller for shell finish, 3 coats over & including primer coat, ready-mix based wall filling putty in voids & rubbing the surface, complete in all respect, on all plaster surfaces at any height in any floor, as directed by the Engineer, at any height in any floor.	139,980	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

No	Description	Qty	Unit	Rate	Amount
7	Providing & fixing gypsum board false ceiling system with 1/2" thick sheets including providing bulkheads, decorative works, all required decorative work in Gypsum, with complete fixing suspension system including G.I. strips/wires, furring channels/angles, and with self adhesive fiberglass drywall tape of 2" width to be used on all joints prior to applying putty , filling and rubbing having provisions for lights, AC and all electro-mechanical items installed in false ceiling, painted with 3 coats of plastic emulsion paint with one prime coat as per paint specifications, all as mentioned in drawings, with male female edges, v-joints, etc. All the edges to be properly sealed. Contractor to submit brochures & detailed shop drawings for the approval of the Engineer prior to actual start of works. The reflective false ceiling plan should show all items to be installed on false ceiling including but not limited to lights, A/C diffusers, Fire or other required electro-mechanical items to be completed in all respects, as per the direction of the Engineer. Work to be done by specialized sub - contractor.				
	Basement - 2	829	Sft.		
	Basement - 1	829	Sft.		
	Ground Floor	10,153	Sft.		
	1st Floor	17,439	Sft.		
	2nd Floor	829	Sft.		
	3rd Floor	7,728	Sft.		
	4th Floor	7,728	Sft.		
	5th Floor	7,728	Sft.		
	6th Floor	7,728	Sft.		
	7th Floor	7,728	Sft.		
	8th Floor	7,728	Sft.		
	9th Floor	61,470	Sft.		
	10th Floor	7,728	Sft.		
	11th Floor	4,279	Sft.		
	12th Floor	4,279	Sft.		
	13th Floor	4,279	Sft.		
	14th Floor	4,279	Sft.		
	15th Floor	4,279	Sft.		
	16th Floor	4,279	Sft.		
	17th Floor	4,279	Sft.		
	18th Floor	4,279	Sft.		
	19th Floor	4,279	Sft.		
	20th Floor	4,279	Sft.		
	21st Floor	4,279	Sft.		
	22nd Floor	4,279	Sft.		
	23rd Floor	3,293	Sft.		
	24th Floor	2,929	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

No	Description	Qty	Unit	Rate	Amount
8	Providing & fixing **Aluminum Perforated Panel Ceiling size 720 Sq. Inches to 1440 Sq. Inches** with complete suspension system, decorative works and mechanism as required in suspension system and mechanism places, as mentioned in drawings, with male female edges, v-joints, etc. All the edges to be properly sealed and to foresee locations for water heaters & A/C, where required. complete in all respects with shop drawings, etc. Work to be done by specialized sub - contractor. at any height in any floor.	7,001	Sft.		
7.39	Providing & fixing **Aluminum Perforated Panel Ceiling size 144 Sq. Inches to 720 Sq. Inches** with complete suspension system, decorative works and mechanism as required in suspension system and mechanism places, as mentioned in drawings, with male female edges, v-joints, etc. All the edges to be properly sealed and to foresee locations for water heaters & A/C, where required. complete in all respects with shop drawings, etc. Work to be done by specialized sub - contractor. at any height in any floor.	52,791	Sft.		
7.40	Providing & fixing **POP Border and Motif border**, in any shape and design i/c fixing in position complete in all respect as per the direction of the Engineer.				
	Basement - 2	Rate Only	Sft.		
	Basement - 1	Rate Only	Sft.		
	Ground Flodr	Rate Only	Sft.		
	1st Floor	Rate Only	Sft.		
	2nd Floor	Rate Only	Sft.		
	3rd Floor	1,176	Sft.		
	4th Floor	1,176	Sft.		
	5th Floor	1,176	Sft.		
	6th Floor	1,176	Sft.		
	7th Floor	1,176	Sft.		
	8th Floor	1,176	Sft.		
	9th Floor	1,008	Sft.		
	10th Floor	1,176	Sft.		
	11th Floor	588	Sft.		
	12th Floor	588	Sft.		
	13th Floor	588	Sft.		
	14th Floor	588	Sft.		
	15th Floor	588	Sft.		
	16th Floor	588	Sft.		
	17th Floor	588	Sft.		
	18th Floor	588	Sft.		
	19th Floor	588	Sft.		
	20th Floor	588	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

	Description	Qty	Unit	Rate	Amount
	21st Floor	588	Sft.		
	22nd Floor	588	Sft.		
	23rd Floor	420	Sft.		
	24th Floor	234	Sft.		
	Providing and fixing in position of 3/4" thick polished **Indian Green / Jungle green** or any color and shade in **Granite** including polishing, making corner, edges in round shapes etc on counter top for Kitchen & pantry, the cost includes cartage, all lead and lift at any height in any floor, complete as per drawings and instruction of the Engineer.				
	Basement - 2	Rate Only	Sft.		
	Basement - 1	240	Sft.		
(ii)	Ground Floor	240	Sft.		
(iv)	1st Floor	240	Sft.		
(v)	2nd Floor	240	Sft.		
(vi)	3rd Floor	240	Sft.		
(vii)	4th Floor	240	Sft.		
(viii)	5th Floor	240	Sft.		
(ix)	6th Floor	243	Sft.		
(x)	7th Floor	243	Sft.		
(xi)	8th Floor	243	Sft.		
(xii)	9th Floor	243	Sft.		
(xiii)	10th Floor	243	Sft.		
(xiv)	11th Floor	246	Sft.		
(xv)	12th Floor	246	Sft.		
(xvi)	13th Floor	246	Sft.		
(xvii)	14th Floor	246	Sft.		
(xviii)	15th Floor	246	Sft.		
(xix)	16th Floor	249	Sft.		
(xx)	17th Floor	249	Sft.		
(xxi)	18th Floor	249	Sft.		
(xxii)	19th Floor	249	Sft.		
(xxiii)	20th Floor	249	Sft.		
(xxiv)	21st Floor	252	Sft.		
(xxv)	22nd Floor	252	Sft.		
(xxvi)	23rd Floor	252	Sft.		
(xxvii)	24th Floor	252	Sft.		
42	Providing and applying **Decorative Work** on Wall, wood work including the cost of coloring etc and Art work, as specified and directed by the Architect and the Engineer. Complete in all respect including the cost of cartage, all lead and lift at any height in any floor. (Contractor to Submit the concept sketch plan before execution of the work.)	1	Job.		

BILL NO. 7. - FINISHES

No	Description	Qty	Unit	Rate	Amount
7.43	Providing and fixing **Decorative Motif of Granite tiles** of approved color and design square, rectangular or octagonal shapes where required in the Lobby, Entrance, Hall and Passages etc. including matching color grouting or as directed by the Architect and the Engineer. Complete in all respect including the cost of cartage, all lead and lift at any height in any floor. (Contractor to Submit the concept sketch plan before execution of the work.)	250	Sft.		
7.44	Providing and fixing **Decorative Motif of Ceramic tiles** of approved color and design square, rectangular or octagonal shapes where required in the bathroom including matching color grouting or as directed by the Architect and the Engineer. Complete in all respect including the cost of cartage, all lead and lift at any height in any floor. (Contractor to Submit the concept sketch plan before execution of the work.)	4,500	Nos.		
7.45	Providing and fixing **Decorative Motif of Porcelain tiles** of approved color and design square, rectangular or octagonal shapes where required in the kitchen including matching color grouting or as directed by the Architect and the Engineer. Complete in all respect including the cost of cartage, all lead and lift at any height in any floor. (Contractor to Submit the concept sketch plan before execution of the work.)	1,344	Nos.		
7.46	Providing & fixing **12mm thick plain glass** of approved quality i/c all required accessories for fixing in proper position, complete in all respect as per the direction of the Engineer at any height in any floor.	20	Sft.		
7.47	Providing & fixing in position of **Aluminum cladding** "Aluccobond" or "ALPOLIC" walls panels sheets of approved size, colors & shape. Fixing on columns or walls complete with all required accessories, all as per manufacturer's specifications and approval by the Engineer. The contractor has to get the design, details and shop drawings approved of the Engineer. In case of omission of any necessary item above, shall be deemed to be included in the quoted rate. (Work to be done by specialist Sub-Contractor approved by the Engineer.				
a	On walls, columns and external cladding	240,803	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

o	Description	Qty	Unit	Rate	Amount
	Providing and fixing best quality imported teak wood well seasoned clerestory, jafri, shelves, partitions, hand rail, louvers, posts, trellis and rafter etc. complete in all respect as per design and drawing and as per direction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor. Work to be done by specialized sub - contractor.				
	Basement - 2	Rate Only	Cft.		
	Basement - 1	Rate Only	Cft.		
	Ground Floor	226	Cft.		
	1st Floor	220	Cft.		
	2nd Floor	142	Cft.		
	3rd Floor	55	Cft.		
	4th Floor	55	Cft.		
	5th Floor	55	Cft.		
	6th Floor	55	Cft.		
	7th Floor	55	Cft.		
	8th Floor	55	Cft.		
	9th Floor	48	Cft.		
	10th Floor	55	Cft.		
	11th Floor	28	Cft.		
	12th Floor	28	Cft.		
	13th Floor	28	Cft.		
	14th Floor	28	Cft.		
	15th Floor	28	Cft.		
	16th Floor	28	Cft.		
	17th Floor	28	Cft.		
	18th Floor	28	Cft.		
	19th Floor	28	Cft.		
	20th Floor	28	Cft.		
	21st Floor	28	Cft.		
	22nd Floor	28	Cft.		
	23rd Floor	20	Cft.		
	24th Floor	Rate Only	Cft.		
7.49	Providing and fixing best quality imported teak wood well seasoned Jafri with 1/2" x 1-1/2" batten forming apertures 1-1/2"x1-1/2" including the cost of frame works as per design and drawing and as per direction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor.	5,088	Cft.		
7.50	Providing and fixing best quality imported teak wood well seasoned pergola i/c tempered glass with gasket, polishing and all required accessories etc. complete in all respect as per design and drawing and as per direction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor.	2,703	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

No	Description	Qty	Unit	Rate	Amount
	Providing & applying **Matt polishing** three coats of approved color & make on wood work including cost of Chalk powder, Spirit methylated, Sand paper, Color Packet, Malmal, Cotton, French polish (Lok Dana), Matt Lacquer & Seller of approved quality, at any height in any floor complete in all respect as per the directions of the Engineer.	14,039	Sft.		
52	Providing and fixing **wooden cupboards** 1-1/4 inch (32mm) thick best quality deodar wood planking in shelves or almirahs with deodar wood battens 1-1/2" x 2" (38mm x 50mm) frame fixed in walls with Lasani laminated door shutters including lipping, two draws lamination sheet partition divider and footrest, etc and SS doors handles, imported locks (Italy, Germany), SS hinges, SS screws, SS tower bolt 6" long and rawal plugs etc, imported draws channel of approved make, as required complete in all respects as per direction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor.				
(i)	Basement - 2	Rate Only	Sft.		
(ii)	Basement - 1	Rate Only	Sft.		
(iii)	Ground Floor	Rate Only	Sft.		
(iv)	1st Floor	Rate Only	Sft.		
(v)	2nd Floor	Rate Only	Sft.		
(vi)	3rd Floor	3,240	Sft.		
(vii)	4th Floor	3,240	Sft.		
(viii)	5th Floor	3,240	Sft.		
	6th Floor	3,240	Sft.		
	7th Floor	3,240	Sft.		
	8th Floor	3,240	Sft.		
	9th Floor	3,048	Sft.		
	10th Floor	3,240	Sft.		
	11th Floor	1,620	Sft.		
	12th Floor	1,620	Sft.		
	13th Floor	1,620	Sft.		
	14th Floor	1,620	Sft.		
	15th Floor	1,620	Sft.		
	16th Floor	1,620	Sft.		
	17th Floor	1,620	Sft.		
	18th Floor	1,620	Sft.		
	19th Floor	1,620	Sft.		
	20th Floor	1,620	Sft.		
	21st Floor	1,620	Sft.		
	22nd Floor	1,620	Sft.		
	23rd Floor	1,049	Sft.		
	24th Floor	687	Sft.		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

No	Description	Qty	Unit	Rate	Amount
	Providing and fixing **natural stone cladding** of approved design, pattern, size & quality on walls with 1:4 cement sand mortar base of 3/4" thickness setting the tiles with neat cement mortar, grouting the joints 1/4" with matching grout of approved manufacturer / supplier, including mechanism of nails, grouting, inserting in walls, with proper fixing in place with and i/c required accessories etc, curing, finishing as per the instructions & approval of the Engineer and as per design and drawings. The cost includes cartage, scaffolding, lead and lift at any height in any floor, complete in all respect.	49,970	Sft		
54	Providing and fixing **Artificial envi stone cladding** of approved design, pattern, size & quality on walls with 1:4 cement sand mortar base of 3/4" thickness setting the tiles with neat cement mortar, grouting the joints 1/4" with matching grout of approved manufacturer / supplier, including mechanism of nails, grouting, inserting in walls, with proper fixing in place with and i/c required accessories etc, curing, finishing as per the instructions & approval of the Engineer and as per design and drawings. The cost includes cartage, lead and lift at any height in any floor, complete in all respect.(Envicrete or equivalent)	6,996	Sft		
7.55	Providing and laying reinforced cement concrete using graded & screened crush 3/4" thick & down gauge having cylindrical crushing strength of 2500 psi at 28 days in **coping and cornice of walls** moulded to design including form works, and its removal, reinforcement, compacting and curing etc. complete in all respect as per drawing and direction of the Engineer.	875	Cft		
56	Providing and fixing **concave mirror** of 60 cm dia of approved manufacturer (Imported quality) at each turning etc complete or as directed by the Engineer incharge in all respect.	5	Each.		
57	Providing & applying **road/ pavement marking** in car parking tower area in reflective paint for lines 150 mm wide land marking & edges lines, arrows, writings like exit, entry, etc., complete in all respect as directed by the Engineer. (Approved manufacturer's Berger) All works to be done as per the manufacturer's specifications.	6,975	Rft.		

S.M.K. CONSTRUCTION CO.

BILL NO. 7. - FINISHES

No	Description	Qty	Unit	Rate	Amount
	Supply and install road sign board (Square 2' x 2' or 2' dia steel plate on 3" dia single post with clear post length 7' erected in CC 1:2:4 2' x 2' x 2' & painting of M.S plate & post or installed on walls (where applicable), writing of alphabets with reflective paints as per the direction & approval of the Engineer.	25	Nos		
	Supply and install parking rubber signboards 20cm x 20cm steel plates with steel bracket of appropriate size, duly painted and marking of signs, numbers etc as required by the Engineer, complete in all respects.	40	Nos		
	Providing & fixing in proper position 12mm thick frosted tempered glass wall i/c glass door for shower area of approved quality, color, shade & pattern i/c SS hinges, clips, SS top rail, gasket, packing with silicon etc, complete with all required accessories as per the direction of the Engineer at any height in any floor the cost includes all cartages.	21,822	Sft.		
	Providing & fixing 16swg galvanized iron sheet covering of approved shape and design to expansion joints of roof slab with wooden gutties and screws etc. complete in all respects as directed by the Engineer.	1,280	Rft.		
	Providing & fixing 15 ONZ Aluminum sheet covering to expansion joints in walls and columns as per approved design including providing clamps and fixing with screws and rawal plugs, or wooden gutties including making slotted holes etc. complete in all respects as directed by the Engineer. (Contractor to submit shop drawings to Engineer for approval before execution)	96	Rft.		
	Providing & fixing in position to proper camber and grade CC Interlocking pavers 80mm thick of approved make, size, shape and colors over sand (Pit/ river bed sand of approved quality) cushion 60mm thick and joints filled with sand as per specifications, including the cost of sand, cartage of paving block etc complete in all respects as per specifications, instructions and approval of the Engineer. (ENVICRETE or approved equivalent). Contractor to submit samples of different shapes and colors for the approval the Engineer. At least three colors (yellow, orange & green) shall be used in design approved by Consultant. Contractor to provide at least three different designs for the approval of the Consultant.	14,400	Sft.		

BILL NO. 7.- FINISHES

S. No	Description	Qty	Unit	Rate	Amount
	Landscaping				
7.64	Providing & fixing planting saplings of trees and plants etc., complete in all respects i.e. stacking and spreading cow dung manure / Slaughter House manure and mixing the same in sweet earth including breaking clods, dressing fine for Plants in pots and sprinkling water, raking and rolling complete & i/c carfage up to propose focation & i/c cost of watering till trees grow up well and maintain of same till completion of contract.				
	Palm Trees				
a)	Cycas Revoluta	25	No.		
b)	Farcariya	15	No.		
c)	Table Palm	10	No.		
d)	Black Traingular	10	No.		
	Trees				
a)	Lignum	15	No.		
b)	Cardia Sebestana	15	No.		
c)	Delonix Rengia	15	No.		
	Shrubs				
a)	Bouganvilla	150	No.		
b)	Ficus Star Light	25	No.		
c)	Pulmera Albus	30	No.		
d)	Arabin Jasmine	50	No.		
e)	Tabernamontana	10	No.		
f)	Ixora Pink	20	No.		
	Indoor Plants				
a)	Erica Palm	15	No.		
b)	Can Palm	45	No.		
c)	Mony Plant	40	No.		
d)	Spider Plant	35	No.		
	Ground Cover				
a)	Duranta Yellow	50	No.		
b)	Nantfrea Red	120	No.		
c)	Nantfrea Green	120	No.		
d)	Wadelia	100	No.		
e)	Rhoeospathacea	80	No.		
f)	Jumar Bail	100	No.		
	Pots				
a)	Ceramic Pot	120	No.		
b)	Stone Pots	360	No.		
c)	CC Pots	265	No.		
d)	Fiber Pots	350	No.		
7.65	Supplying, fixing and tying up firmly **Bamboo sticks**, 6ft height and 1inch dia, as support	75	No.		

CM CONSTRUCTION CO.

BILL NO. 7:- FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.66	Providing and installing **Building Management Unit** tass-08 machines with winch system have safe working load, maximum lifting height 300 ft.i/c electrical equipment , control of gondola system, rope, winch machine, "dead man" control buttons at all control panel complete in all respect i/c all required accessories as per direction of the Engineer. In case of omission of any necessary item above, shall be deemed to be included in the quoted rate, at any height in any floor	1	Job		
7.67	Providing and installing **Building Management Unit** tass-08 machines with winch system have safe working load, maximum lifting height 250 ft.i/c electrical equipment , control of gondola system, rope, winch machine, "dead man" control buttons at all control panel complete in all respect i/c all required accessories as per direction of the Engineer. In case of omission of any necessary item above, shall be deemed to be included in the quoted rate, at any height in any floor	1	Job		
7.68	Providing and fixing **SS Sateen finish letters** (Grade 316) of 18"high of ARIAL FONTS. Width of each letter in front around 6" and depth around 4" deep with 18 gauge sheet, etc complete in all respect. Contractor to make shop drawings of fixing and proof of fabricaton before start of work for the approval of Engineer	36	No.		
7.69	Preparing **scale model** on 1/8 th inch scale in plexi glass sheet with complete landscaping base and table & cover in Burma teak wood with mate lequre polish 12mm thick tempered clear glass i/c lighting complete in all respect with name of the project and the consultant as per the requirements of the Engineer. All cutting for making the model shall be done with laser cutting the work to be done by specialist model making company duly approved by the Engineer	1	Job		

SMK CONSTRUCTION CO.

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.70	Providing & laying **water proofing** system including avg. 3" thick Concrete having crushing strength 3000 psi @ 28 days. (nominal mix ratio 1:2:4) laid to slope , 5mm thick Bitumen Membrane with torch applied, One layer of thermopore sheets of 2" thick, Flood test of 24 hours , etc complete in all respect as shown in drawings and per approval of the Engineer.	68.145	Sft.		
7.70	Supply and fix 50mm thick precast RCC jali, incl setting and jointing in CM 1:1, all as specified. Complete in all respect as per the direction of the Engineer. At any height in any floor. (Envicrete or other approved equivalent)	1.200	Sft.		
7.71	Providing & installing remote control roller blinds of approved color & design with tracks complete with support assembly & curtain carriers (Nylon or Delrim) with either Nylon or Delrim axles. Each carrier shall be equipped either with stainless steel, chromium plated brass or steel hooks with swivel or Nickel Chromium Plated brass or SS bead chain & hooks. (LUXAFLEX® Sunscreens fabrics from Protectors or other equivalent). Complete in all respects. Contractor to provide shop dwgs & samples for the approval of the Engineer & shall be required to prepare a mock-up of full height prior to ordering.	1.800	Sft.		
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 07	

S.M. CONSTRUCTION CO

BILL NO. 8 - KITCHEN

S. No	Description	Qty	Unit	Rate	Amount
Note:-					
1)	Contractor is required to use crane for shifting of material expenses for use of crane deemed to be included in the quoted rates. Tower Crane has to be transported to site & made ready for work before commencement of construction works.				
2)	Contractor is required to use temporary lift and expenses for use of lift deemed to be included in the quoted rates.				
3)	Cost of all kind of cartage and steel pipe scaffolding is deemed to be included in the quoted rates and no extra payment will be entertained in this regards.				
B.01	Supply & fix **Kitchen Floor mounted Cabinet**, 600 mm wide and 862mm high using 3/4" laminated lasani sheet with tipping shutter, drawers, planks, heavy duty catcher, SS approved shape handel incl all necessary chromium plated (CP) mongery, RCC slab 50mm thick, PCC inside & all required accessories complete as per instruction of the Engineer. The cost includes cartage, wastage, finishing, all lead and lift at any floor in any height.				
i)	Basement - 2	Rate Only	Sft.	1215	
ii)	Basement - 1	Rate Only	Sft.	1215	
iii)	Ground Floor	Rate Only	Sft.	1215	
iv)	1st Floor	Rate Only	Sft.	1215	
v)	2nd Floor	Rate Only	Sft.	1215	
vi)	3rd Floor	890	Sft.	1215	1,081,350
vii)	4th Floor	890	Sft.	1215	1,081,350
viii)	5th Floor	890	Sft.	1215	1,081,350
ix)	6th Floor	890	Sft.	1215	1,081,350
x)	7th Floor	890	Sft.	1215	1,081,350
xi)	8th Floor	890	Sft.	1215	1,081,350
xii)	9th Floor	718	Sft.	1215	872,370
xiii)	10th Floor	890	Sft.	1215	1,081,350
xiv)	11th Floor	441	Sft.	1215	535,815
xv)	12th Floor	441	Sft.	1215	535,815
xvi)	13th Floor	441	Sft.	1215	535,815
xvii)	14th Floor	441	Sft.	1215	535,815
xviii)	15th Floor	441	Sft.	1215	535,815
xix)	16th Floor	441	Sft.	1215	535,815
xx)	17th Floor	441	Sft.	1215	535,815
xxi)	18th Floor	441	Sft.	1215	535,815
xxii)	19th Floor	441	Sft.	1215	535,815
xxiii)	20th Floor	441	Sft.	1215	535,815
xxiv)	21st Floor	441	Sft.	1215	535,815
xxv)	22nd Floor	441	Sft.	1215	535,815
xxvi)	23rd Floor	326	Sft.	1215	396,090
xxvii)	24th Floor	147	Sft.	1215	178,605

SMK CONSTRUCTION CO.

BILL NO. 8 - KITCHEN

S. No	Description	Qty	Unit	Rate	Amount
8.02	Supply & fix, **Kitchen Floor mounted Cabinet** 600 mm wide and 862mm high using 1/2" laminated lasani sheet with lipping shutter, drawers, planks heavy duty catcher, SS approved shape handel incl all necessary chromium plated (CP) mongery, RCC slab, 50mm thick, PCC inside & all required accessories complete as per instruction of the Engineer. The cost includes cartage, wastage, finishing, all lead and lift at any floor in any height				
i)	Basement - 2	Rate Only	Sft	1075	
ii)	Basement - 1	Rate Only	Sft	1075	
iii)	Ground Floor	Rate Only	Sft	1075	
iv)	1st Floor	Rate Only	Sft	1075	
v)	2nd Floor	Rate Only	Sft	1075	
vi)	3rd Floor	371	Sft	1075	398,825
vii)	4th Floor	371	Sft	1075	398,825
viii)	5th Floor	371	Sft	1075	398,825
ix)	6th Floor	371	Sft	1075	398,825
x)	7th Floor	371	Sft	1075	398,825
xi)	8th Floor	371	Sft	1075	398,825
xii)	9th Floor	299	Sft	1075	321,425
xiii)	10th Floor	371	Sft	1075	398,825
xiv)	11th Floor	184	Sft	1075	197,800
xv)	12th Floor	184	Sft	1075	197,800
xvi)	13th Floor	184	Sft	1075	197,800
xvii)	14th Floor	184	Sft	1075	197,800
xviii)	15th Floor	184	Sft	1075	197,800
xix)	16th Floor	184	Sft	1075	197,800
xx)	17th Floor	184	Sft	1075	197,800
xxi)	18th Floor	184	Sft	1075	197,800
xxii)	19th Floor	184	Sft	1075	197,800
xxiii)	20th Floor	184	Sft	1075	197,800
xxiv)	21st Floor	184	Sft	1075	197,800
xxv)	22nd Floor	184	Sft	1075	197,800
xxvi)	23rd Floor	136	Sft	1075	146,200
xxvii)	24th Floor	61	Sft	1075	65,575
8.03	Supply & fix, **Kitchen Floor mounted Cabinet** 600 mm wide and 862mm high using 3/8" laminated lasani sheet with lipping shutter, drawers, planksheavy duty catcher, SS approved shape handel incl all necessary chromium plated (CP) mongery, RCC slab, 50mm thick, PCC inside & all required accessories complete as per instruction of the Engineer. The cost includes cartage, wastage, finishing, all lead and lift at any floor in any height.				
i)	Basement - 2	Rate Only	Sft	982	
ii)	Basement - 1	Rate Only	Sft	982	
iii)	Ground Floor	Rate Only	Sft	982	
iv)	1st Floor	Rate Only	Sft	982	
v)	2nd Floor	Rate Only	Sft	982	
vi)	3rd Floor	223	Sft	982	218,986
vii)	4th Floor	223	Sft	982	218,986

BILL NO. 8 - KITCHEN

S. No	Description	Qty	Unit	Rate	Amount
viii)	5th Floor	223	Sft.	982	218,986
ix)	6th Floor	223	Sft.	982	218,986
x)	7th Floor	223	Sft.	982	218,986
xi)	8th Floor	223	Sft.	982	218,986
xii)	9th Floor	180	Sft.	982	176,760
xiii)	10th Floor	223	Sft.	982	218,986
xiv)	11th Floor	110	Sft.	982	108,020
xv)	12th Floor	110	Sft.	982	108,020
xvi)	13th Floor	110	Sft.	982	108,020
xvii)	14th Floor	110	Sft.	982	108,020
xviii)	15th Floor	110	Sft.	982	108,020
xix)	16th Floor	110	Sft.	982	108,020
xx)	17th Floor	110	Sft.	982	108,020
xxi)	18th Floor	110	Sft.	982	108,020
xxii)	19th Floor	110	Sft.	982	108,020
xxiii)	20th Floor	110	Sft.	982	108,020
xxiv)	21st Floor	110	Sft.	982	108,020
xxv)	22nd Floor	110	Sft.	982	108,020
xxvi)	23rd Floor	81	Sft.	982	108,020
xxvii)	24th Floor	37	Sft.	982	79,542
					36,334
8.04	Supply & fix, **Kitchen Wall mounted Cabinet**, 381 mm wide and 610mm high with Marine Teak or any other approved wood frame, using 3/4" Laminated Lasani Sheet wood shutter, drawers heavy duty catcher, SS approved shape handel incl all necessary chromium plated (CP) mongery, PCC inside i/c all required accessories complete as per instruction of the Engineer. The cost includes cartage, wastage, finishing, all lead and lift at any floor in any height.				
i)	Basement - 2	Rate Only	Sft.	1736	
ii)	Basement - 1	Rate Only	Sft.	1736	
iii)	Ground Floor	Rate Only	Sft.	1736	
iv)	1st Floor	Rate Only	Sft.	1736	
v)	2nd Floor	Rate Only	Sft.	1736	
vi)	3rd Floor	819	Sft.	1736	1,421,784
vii)	4th Floor	890	Sft.	1736	1,545,040
viii)	5th Floor	890	Sft.	1736	1,545,040
ix)	6th Floor	890	Sft.	1736	1,545,040
x)	7th Floor	890	Sft.	1736	1,545,040
xi)	8th Floor	890	Sft.	1736	1,545,040
xii)	9th Floor	718	Sft.	1736	1,246,448
xiii)	10th Floor	890	Sft.	1736	1,545,040
xiv)	11th Floor	441	Sft.	1736	765,576
xv)	12th Floor	441	Sft.	1736	765,576
xvi)	13th Floor	441	Sft.	1736	765,576
xvii)	14th Floor	441	Sft.	1736	765,576
xviii)	15th Floor	441	Sft.	1736	765,576
xix)	16th Floor	441	Sft.	1736	765,576
xx)	17th Floor	441	Sft.	1736	765,576
xxi)	18th Floor	441	Sft.	1736	765,576
xxii)	19th Floor	441	Sft.	1736	765,576
xxiii)	20th Floor	441	Sft.	1736	765,576
xxiv)	21st Floor	441	Sft.	1736	765,576

SMK CONSTRUCTION CO

BILL NO. 8 - KITCHEN

S. No	Description	Qty	Unit	Rate	Amount
xxv)	22nd Floor	441	Sft	1736	765,576
xxvi)	23rd Floor	326	Sft	1736	565,936
xxvii)	24th Floor	147	Sft	1736	255,192
8.05	Supply & fix **Kitchen Wall mounted Cabinet**, 381 mm wide and 610mm high with Marine Teak or any other approved wood frame, using 1/2" Laminated Lasani Sheet wood shutter, drawers incl all necessary chromium plated (CP) mongery, PCC inside i/c all required accessories complete as per instruction of the Engineer. The cost includes cartage, wastage, finishing, all lead and lift at any floor in any height.				
i)	Basement - 2	Rate Only	Sft.	1536	
ii)	Basement - 1	Rate Only	Sft.	1536	
iii)	Ground Floor	Rate Only	Sft.	1536	
iv)	1st Floor	Rate Only	Sft.	1536	
v)	2nd Floor	Rate Only	Sft.	1536	
vi)	3rd Floor	341	Sft.	1536	523,776
vii)	4th Floor	341	Sft.	1536	523,776
viii)	5th Floor	341	Sft.	1536	523,776
ix)	6th Floor	341	Sft.	1536	523,776
x)	7th Floor	341	Sft.	1536	523,776
xi)	8th Floor	341	Sft.	1536	523,776
xii)	9th Floor	270	Sft.	1536	414,720
xiii)	10th Floor	341	Sft.	1536	523,776
xiv)	11th Floor	171	Sft.	1536	262,656
xv)	12th Floor	171	Sft.	1536	262,656
xvi)	13th Floor	171	Sft.	1536	262,656
xvii)	14th Floor	171	Sft.	1536	262,656
xviii)	15th Floor	171	Sft.	1536	262,656
xix)	16th Floor	171	Sft.	1536	262,656
xx)	17th Floor	171	Sft.	1536	262,656
xxi)	18th Floor	171	Sft.	1536	262,656
xxii)	19th Floor	171	Sft.	1536	262,656
xxiii)	20th Floor	171	Sft.	1536	262,656
xxiv)	21st Floor	171	Sft.	1536	262,656
xxv)	22nd Floor	171	Sft.	1536	262,656
xxvi)	23rd Floor	131	Sft.	1536	201,216
xxvii)	24th Floor	53	Sft.	1536	81,408
8.06	Supply & fix **Kitchen Wall mounted Cabinet**, 381 mm wide and 610mm high with Marine Teak or any other approved wood frame, using 3/8" Laminated Lasani Sheet wood shutter, drawers incl all necessary chromium plated (CP) mongery, PCC inside i/c all required accessories complete as per instruction of the Engineer. The cost includes cartage, wastage, finishing, all lead and lift at any floor in any height.				
i)	Basement - 2	Rate Only	Sft.	1402	
ii)	Basement - 1	Rate Only	Sft.	1402	
iii)	Ground Floor	Rate Only	Sft.	1402	
iv)	1st Floor	Rate Only	Sft.	1402	
v)	2nd Floor	Rate Only	Sft.	1402	
vi)	3rd Floor	205	Sft.	1402	287,410

SMK CONSTRUCTION CO.

BILL NO. 8 - KITCHEN

S. No	Description	Qty	Unit	Rate	Amount
vii)	4th Floor	205	Sft.	1,402	287,410
viii)	5th Floor	205	Sft.	1,402	287,410
ix)	6th Floor	205	Sft.	1,402	287,410
x)	7th Floor	205	Sft.	1,402	287,410
xi)	8th Floor	205	Sft.	1,402	287,410
xii)	9th Floor	162	Sft.	1,402	227,124
xiii)	10th Floor	205	Sft.	1,402	287,410
xiv)	11th Floor	102	Sft.	1,402	143,004
xv)	12th Floor	102	Sft.	1,402	143,004
xvi)	13th Floor	102	Sft.	1,402	143,004
xvii)	14th Floor	102	Sft.	1,402	143,004
xviii)	15th Floor	102	Sft.	1,402	143,004
xix)	16th Floor	102	Sft.	1,402	143,004
xx)	17th Floor	102	Sft.	1,402	143,004
xxi)	18th Floor	102	Sft.	1,402	143,004
xxii)	19th Floor	102	Sft.	1,402	143,004
xxiii)	20th Floor	102	Sft.	1,402	143,004
xxiv)	21st Floor	102	Sft.	1,402	143,004
xxv)	22nd Floor	102	Sft.	1,402	143,004
xxvi)	23rd Floor	79	Sft.	1,402	110,758
xxvii)	24th Floor	32	Sft.	1,402	44,864
8.07	Providing & fixing **Stainless Steel commercial kitchen** cabinets floor mounted including SS counter , walls, doors and accessories etc complete in all respect as per drawing and direction of the Engineer Contractor required to submit shop drawing for the approval of the Engineer before execution of work	198	Sft.	4,675	925,650
8.08	Providing & fixing **Heavy duty kitchen burners** of approved quality Complete in all respect as per instruction of The Engineer The contractor have to submit the shop drawing / sample before execution of work The cost includes cartage, all lift and lead at any height in any floor.	246	Nos	23,374	5,750,004
8.09	Supply and fix Imported **kitchen hood for exhaust** i/c complete fitting with all required accessories as specified and as per the direction / approval of Engineer The cost includes cartage, all lift and lead at any height in any floor	246	Nos	23,374	5,750,004
8.10	Supply and fix Imported **commercial kitchen exhaust hood** made of Stainless Steel i/c all fixing system for two way supply and fresh exhaust for the burner (i.e., Duct etc.) as specified and as per the direction / approval of Engineer. The cost includes cartage, all lift and load at any height in any floor. Contractor has to submit manufacturer shop drawing before execution of work	8	Nos	280,484	2,243,872

BILL NO. 8 - KITCHEN

S. No	Description	Qty	Unit	Rate	Amount
8.11	Supply of the following **commercial kitchen item** best quality as per the direction or approval of the Engineer				
i)	Burners (Local made)	8	Nos	33,391	267,128
ii)	Deep freezer (15 Cft.) (Local made)	6	Nos	93,495	560,970
iii)	Fridge (18 Cft.) (Local made)	3	Nos	80,138	240,414
iv)	Microwave (Local made)	6	Nos	20,035	120,210
v)	Convection Oven (Imported made)	3	Nos	100,173	300,519
vi)	Counter Tray (Local made)	3	Nos	200,345	601,035
vii)	Brost Machine Auto (Imported made)	3	Nos	601,036	1,803,108
viii)	Fries Machine Auto (Imported made)	3	Nos	333,909	1,001,727
ix)	Steam Jacked Cattle (Imported made)	3	Nos	200,345	601,035
x)	Portable Dish truck (Imported made)	3	Nos	66,782	200,346
xi)	Ice and soda dispenser (Local made)	3	Nos	146,920	440,760
xii)	Ice Tea Dispenser (Local made)	3	Nos	80,138	240,414
xiii)	Juice Dispenser (Imported made)	3	Nos	40,069	120,207
xiv)	Water Dispenser (Local made)	264	Nos	21,370	5,641,680
xv)	Sandwich Maker (Imported made)	6	Nos	13,356	80,136
xvi)	Roast Oven (Imported made)	3	Nos	200,345	601,035
xvii)	Deep fat fries (Imported made)	3	Nos	200,345	601,035
xviii)	Slicer Machine (Imported made)	6	Nos	267,127	1,602,762
xix)	Marinator Machine (Imported made)	3	Nos	200,345	601,035
xx)	Coffee Maker (Imported made)	8	Nos	40,069	320,552
xx)	Ice Cream Refrigerator (Local made)	3	Nos	120,207	360,621
8.12	Providing & fixing **Tandoor Burner** (48 Nozzles) with burner plate, regulator / manifold and all required accessories to make it operational incl the cost of cartage, connections and all lead and lift at any Height in any floor, as per directions of Engineer.	3	Nos	333,909	1,001,727

Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.

Total Amount of Bill No. 08	89,817,458

S.K. CONSTRUCTION CO.

BILL NO. 9 - ALUMINIUM WORKS

S. No	Description	Qty	Unit	Rate	Amount
Note:					
1)	All Aluminum profiles should have Aluminum alloy 6063 T5 and T6 from approved manufacturers. Gulf Extrusions, Balexco, Alcop, Pakistan Cables or other equal approved.				
2)	Contractor is required to submit all relevant test certificates for the Aluminum as well as of other materials as per the international standards.				
3)	All Aluminum system used should be 100% engineered system i-e all the components of the system including accessories and ironmongery must be compatible and supplied or recommended by the system designer.				
4)	All aluminum sections should have a finish of 60 to 100 micron polyester powder coating of approved color.				
5)	All the Aluminum and glazing works of this project should be done by a specialist sub contractor of Aluminum works (Alcop, Welders, Thermacs or other approved by the consultant).				
6)	The specialist sub-contractor shall be required to provide detailed shop drawings and designs of the compete conforming to its structural stability (including wind & earthquake) along with all other performances as per the relevant International Standards i-c AAMA, BS, DIN and ASTM.				
7)	The specification of glass is high performance solar and low-E having U value of 1.6 W/ Sq. M K and solar factor at least 42% of blue, green or any other approved color. Minimum glass thickness should be 6mm for single glazed and 6mm + 12mm void + 6mm glass for double glazed. Glass to be tempered either from the manufacturer or locally. (Make of Gardian, Saint Gobean, Pakinten.)				
8)	Contractor is required to use crane for shifting of material expenses for use of crane deemed to be included in the quoted rates. Tower Crane has to be transported to site & made ready for work before commencement of construction works.				
9)	Contractor is required to use temporary lift and expenses for use of lift deemed to be included in the quoted rates.				
10)	Cost of all kind of cartage and steel pipe scaffolding is deemed to be included in the quoted rates and no extra payment will be entertained in this regards.				
9.01	Providing and fixing **Aluminum fixed louvers** width 56mm x 1.2mm in frame of box section 100mm x 50mm x 1.6mm of approved color shade as directed by the Engineer the section of louver includes back supports of vertical and horizontal strips of approved size where required, including all Aluminum fittings with all accessories cutting holes in columns, beams, slab, masonry etc and making good the damages to wall etc. complete as required at any height in any floor as per the direction of the Engineer. Contractor to make shop drawings for approval before start of work. (Make of Alcop, Kudson, Pakistan Cable)	7,854	Sft	1,122	8,812,188

SMX CONSTRUCTION CO.

12/12

BILL NO. 9 - ALUMINIUM WORKS

S. No	Description	Qty	Unit	Rate	Amount
9.02	Providing & fixing heavy duty **Aluminum powder coated windows/ventilators** using heavy duty extruded deluxe powder coated section including all standard hardware, 2mm thick Teak wooden grain aluminium imported glass, pvc gasket etc, complete in all respect as per instructions of the Engineer Contractor to make detailed shop drawings for the approval of consultant before start of work. (Make of Alcop, Kudson, Pakistan Cable)				
a)	Aluminum partly fixed and partly sliding double glazed window with tempered glass & fly proofing	5,402	Sft	2,339	12,624,474
b)	Aluminum partly fixed and partly sliding glazed window with fly proofing	18,728	Sft	1543	28,897,304
c)	Aluminum fixed Glass window	978	Sft	1,543	1,509,054
d)	Aluminum glazed top hanged ventilator with fly proofing	2,328	Sft	1,309	3,047,352
e)	Aluminum fixed louver ventilator	114	Sft	1,215	138,510
9.03	Providing & fixing heavy duty **Aluminum powder coated doors** using heavy duty extruded deluxe powder coated section including all standard hardware, 2mm thick Teak wooden grain aluminium imported glass, pvc gasket, door closer, door stopper etc. complete in all respects as per instructions of the Engineer incharge. Contractor to make detailed shop drawings for the approval of consultant before start of work. (Make of Alcop, Kudson, Pakistan Cable)				
a)	Aluminum Double panel one way swing louver door with fix glass	10,996	Sft	1,169	12,854,324
b)	Aluminum louvered double panel door complete in all respect	2,218	Sft	1,215	2,694,870
c)	Aluminum openable frosted glass access panel.	4,191	Sft	1,122	4,702,302
d)	Aluminum sliding door.	26,964	Sft	1,122	30,253,608
9.04	Providing & laying **solar guard film** on external windows 7 Mil, 175 micron as per drawings, specification and directed by the Engineer.	5,402	Sft	206	1,112,812
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 09	106,646,798

SMK CONSTRUCTION CO.

BILL NO. 10 - DOOR & WINDOWS

S No	Description	Qty	Unit	Rate	Amount
Note:-					
1)	Contractor is required to use crane for shifting of material expenses for use of crane deemed to be included in the quoted rates. Tower Crane has to be transported to site & made ready for work before commencement of construction works.				
2)	Contractor is required to use temporary lift and expenses for use of lift deemed to be included in the quoted rates				
3)	Cost of all kind of cartage and steel pipe scaffolding is deemed to be included in the quoted rates and no extra payment will be entertained in this regards.				
	Door & Windows				
10.01	Providing and fixing best quality imported well seasoned **teak wood frames** for door, windows, ventilators, etc. complete in all respect as per design and drawing and as per direction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor.	438	Cft.	16,668	7,300,584
10.02	Providing and fixing first quality imported well seasoned **deodar wood frames** for door, windows, ventilators, clerestory, jafri, shelves, partitions, hand rail, posts, trellis and rafter etc. complete in all respect as per design and drawing and as per direction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor.				
i)	Basement - 2	Rate Only	Cft.	8334	
ii)	Basement - 1	Rate Only	Cft.	8334	
iii)	Ground Floor	Rate Only	Cft.	8334	
iv)	1st Floor	Rate Only	Cft.	8334	
v)	2nd Floor	Rate Only	Cft.	8334	
vi)	3rd Floor	155	Cft.	8334	1,291,770
vii)	4th Floor	155	Cft.	8334	1,291,770
viii)	5th Floor	155	Cft.	8334	1,291,770
ix)	6th Floor	155	Cft.	8334	1,291,770
x)	7th Floor	155	Cft.	8334	1,291,770
xi)	8th Floor	155	Cft.	8334	1,291,770
xii)	9th Floor	147	Cft.	8334	1,225,098
xiii)	10th Floor	155	Cft.	8334	1,291,770
xiv)	11th Floor	78	Cft.	8334	650,052
xv)	12th Floor	78	Cft.	8334	650,052
xvi)	13th Floor	78	Cft.	8334	650,052
xvii)	14th Floor	78	Cft.	8334	650,052
xviii)	15th Floor	78	Cft.	8334	650,052
xix)	16th Floor	78	Cft.	8334	650,052
xx)	17th Floor	78	Cft.	8334	650,052
xxi)	18th Floor	78	Cft.	8334	650,052
xxii)	19th Floor	78	Cft.	8334	650,052
xxiii)	20th Floor	78	Cft.	8334	650,052
xxiv)	21th Floor	78	Cft.	8334	650,052
xxv)	22nd Floor	78	Cft.	8334	650,052
xxvi)	23rd Floor	57	Cft.	8334	475,038
xxvii)	24th Floor	Rate Only	Cft.	8334	
xxviii)	Roof Floor	5	Cft.	8334	41,670

SMK CONSTRUCTION CO.

BILL NO. 10 - DOOR & WINDOWS

S. No	Description	Qty	Unit	Rate	Amount
10.03	Providing and fixing 1-1/2 inch (38 mm) thick best quality imported well seasoned **teak wood shutters** fully panelled with same wood, approved brass hinges, lipping around the shutter and brass tower bolts, etc. (imported Italy, Germany or equivalent make), as required and as per instruction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor	9,642	Sft.	2,024	19,515,408
10.04	Providing and fixing 1-1/2 inch (38 mm) thick best quality imported well season **deodar wood shutters** fully panelled with same wood, approved brass hinges, lipping around the shutter and brass tower bolts, etc. (imported Italy, Germany or equivalent make), as required and as per instruction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor	44,541	Sft.	1,072	47,747,952
10.05	Providing & fixing of **stainless steel fire resistance exit stair door** (for two hrs. rating protective chemical coat) with vision panel wired glass 1/2" thick including panic bar hand rail with electronic alarm door lock handle, hinges, door frame, imported door closer etc. complete in all respect including all required accessories. In case of omission of any necessary item above, shall be deemed to be included in the quoted rate, at any height in any floor. (Contractor to submit shop drawings to Engineer for approval before execution)	735	Sft.	7,143	5,250,105
10.06	Providing and fixing 2-1/2" x 3/4" thick best quality imported well seasoned **teak wood beading** of approved design and section etc., as required and as per the instruction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor.	13,353	Rft.	187	2,497,011
10.07	Providing and fixing 2-1/2" x 3/4" thick best quality imported well seasoned **deodar wood beading** of approved design and section as per the instruction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor.	52,350	Rft.	119	6,229,650
10.08	Providing & applying **Matt polishing** three coats of approved color & make on wood work including cost of Chalk powder, Spirit methylated, Sand paper, Color Packet, Malmal, Cotton, French polish (Log Dana), Matt Lacquer & Seller of approved quality, at any height in any floor complete in all respect as per the directions of the Engineer.	134,103	Sft.	155	20,785,965
10.09	Providing & applying **hardener** set of approved make of Sikën auto fine 2K, ICI or equivalent on matt polish using compressor gun of at any height in any floor complete in all respect as per the directions of the Engineer	134,103	Sft.	143	19,176,729

SMK CONSTRUCTION CO.

BILL NO. 10 - DOOR & WINDOWS

S. No	Description	Qty	Unit	Rate	Amount
10.10	Providing & fixing in proper position **12mm thick plain tempered glass door** of approved quality i/c SS floor hinges, Imported Door machine, SS handle 1" dia 16" long with Aluminum rail on top and bottom heavy duty section of approved make & color and heavy duty door lock i/c all required accessories complete in all respect as per the direction of the Engineer at any height in any floor.	350	Sft	1,780	625,100
10.11	Providing and fixing approved shape **door handle** 6" long with C.P Brass screws, of approved design as per the direction of the Engineer the cost includes cartage complete in all respect at any height in any floor.	246	Nos	1,701	418,446
10.12	Providing and fixing heavy duty **door lock** (imported Italy, Germany or equivalent make) of approved design, cutting wood etc. to required size, with two operating keys, as per the direction of the Engineer the cost i/c cartage complete in all respect at any height in any floor.	1,691	Nos.	19,049	32,211,859
10.12	Providing and fixing heavy duty stainless **steel push plate / Kick plate** imported in door i/c all required accessories complete in all respect as per the direction of the Engineer at any height in any floor.	7,746	Sft.	1,429	11,783,534
10.13	Supply and fixing **Aluminum sheet,** 20 BG with nails and screws, End & side laps complete in all respect as per the direction of the Engineer at any height in any floor.	1,353	Sft.	340	460,020
10.14	Providing and fixing **hydraulic door closer** (imported CORBIN make) i/c all required accessories complete in all respect as per the direction of the Engineer at any height in any floor.	310	Nos	17,858	5,535,980
10.15	Providing and fixing **door stopper** (imported) i/c all required accessories complete in all respect as per the direction of the Engineer at any height in any floor.	310	Nos	850	263,500
10.16	Providing and fixing **Peep whole / eye whole** in door at human height (imported) i/c all required accessories complete in all respect as per the direction of the Engineer at any height in any floor.	210	Nos	238	49,980
10.17	Providing and fixing heavy duty **stainless steel Plate** imported in lift wall buttons i/c all required accessories complete in all respect as per the direction of the Engineer at any height in any floor.	3,606	Sft	2,041	7,359,846
10.18	Design and construct **internal signage system** including room nos and identification signage, directory signage and all as required for the works and as described in the scope of works, complete in all respects.				
a)	Door Name Plate Sign (3" x 9")	225	Nos	4,762	1,071,450
b)	Door No. Sign (2" x 4")	210	Nos.	5,953	1,250,130

BILL NO. 10 - DOOR & WINDOWS

S. No	Description	Qty	Unit	Rate	Amount
d)	Reception (3' x 4'-6")	2	Nos	5,953	11,906
e)	Fire Exist Plan Signage (20" x 30")	90	Nos	4,167	375,030
f)	Internal Directional Signage (3' x 2')	55	Nos	4,167	229,185
g)	Other miscellaneous Signage (6" x 6")	60	Nos	4,762	285,720
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 10	209,019,910

SAIF CONSTRUCTION CO.

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
	Wiring				
11.01	Wiring for light or fan point with (3/.029) PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.				
a)	2nd Basement	70	Per Point	1,162	81,340
b)	1st Basement	70	Per Point	1,162	81,340
c)	Ground floor	550	Per Point	1,162	639,100
d)	1st Floor	550	Per Point	1,162	639,100
e)	2nd Floor	480	Per Point	1,162	557,760
f)	3rd Floor to 8th floor	3,500	Per Point	1,162	4,067,000
g)	9th floor	600	Per Point	1,162	697,200
h)	10th floor	585	Per Point	1,162	679,770
i)	11th floor to 22nd floor	3,700	Per Point	1,162	4,299,400
j)	23rd floor	220	Per Point	1,162	255,640
k)	24rth floor	220	Per Point	1,162	255,640
l)	Roof	15	Per Point	1,162	17,430
11.02	Wiring for plug point with (3/.029) PVC insulated wire in 20mm (3/4") PVC conduit recessed required in the wall or column as required				
a)	2nd Basement	30	Per Point	1,013	30,390
b)	1st Basement	130	Per Point	1,013	30,390
c)	Ground floor	130	Per Point	1,013	131,690
d)	1st Floor	120	Per Point	1,013	121,560
e)	2nd Floor	120	Per Point	1,013	121,560
f)	3rd Floor to 8th floor	1,240	Per Point	1,013	1,256,120
g)	9th floor	200	Per Point	1,013	202,600
h)	10th floor	210	Per Point	1,013	212,730
i)	11th floor to 22nd floor	1,250	Per Point	1,013	1,266,250
j)	23rd floor	85	Per Point	1,013	86,105
g)	24rth floor	60	Per Point	1,013	60,780
h)	Roof	6	Per Point	1,013	6,078
11.03	Wiring for call bell point with (3/.029) PVC insulated wire in 20mm (3/4") PVC conduit recessed required in the wall or column as required				
a)	3rd Floor to 8th floor	85	Per Point	1,814	54,190
b)	9th floor	12	Per Point	1,814	21,768
c)	10th floor	15	Per Point	1,814	27,216
d)	11th floor to 22nd floor	84	Per Point	1,814	52,376
e)	23rd floor	5	Per Point	1,814	9,070
f)	24rth floor	2	Per Point	1,814	3,628
D.	**With 3 Wire PVC Conduit Recessed in the Wall or Column**				
11.04	Providing & laying (Main or Sub main) PVC insulated with size 3-7/.029 copper conductor in 3/4" dia PVC conduit in the wall or column as required				
a)	2nd Basement	400	Per Mtr.	302	120,800
b)	1st Basement	400	Per Mtr.	302	120,800
c)	Ground floor	1,000	Per Mtr.	302	302,200

SAIK CONSTRUCTION CO

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
d)	1st Floor	1,250	Per Mtr	302	377,500
e)	2nd Floor	1,250	Per Mtr	302	377,500
f)	3rd Floor to 8th floor	9,880	Per Mtr	302	2,983,760
g)	9th floor	2,500	Per Mtr	302	755,000
h)	10th floor	1,800	Per Mtr	302	543,600
i)	11th floor to 22nd floor	14,500	Per Mtr	302	4,379,000
j)	23rd floor	1,000	Per Mtr	302	302,000
k)	24rth floor	1,000	Per Mtr	302	302,000
l)	Roof	200	Per Mtr	302	60,400
11.05	Providing & laying (Main or Sub main) PVC insulated with size 3-7/.036 copper conductor in 3/4" dia PVC conduit in the wall or column as required.				
a)	2nd Basement	200	Per Mtr.	494	98,800
b)	1st Basement	200	Per Mtr.	494	98,800
c)	Ground floor	800	Per Mtr	494	395,200
d)	1st Floor	5,000	Per Mtr.	494	2,470,000
e)	2nd Floor	750	Per Mtr.	494	370,500
f)	3rd Floor to 8th floor	7,000	Per Mtr	494	3,458,000
g)	9th floor	650	Per Mtr	494	321,100
h)	10th floor	750	Per Mtr.	494	370,500
i)	11th floor to 22nd floor	8,800	Per Mtr.	494	4,347,200
j)	23rd floor	200	Per Mtr.	494	98,800
k)	24rth floor	200	Per Mtr	494	98,800
l)	Roof	100	Per Mtr	494	49,400
11.06	Providing & laying (Main or Sub main) PVC insulated with size 3-7/.044 copper (6mm²) conductor in 1" dia PVC conduit in the wall or column as required.				
a)	2nd Floor	100	Per Mtr.	683	68,300
b)	3rd Floor to 8th floor	400	Per Mtr.	683	273,200
c)	9th floor	800	Per Mtr	683	546,400
d)	10th floor	350	Per Mtr	683	239,050
e)	11th floor to 22nd floor	600	Per Mtr.	683	409,800
f)	23rd floor	600	Per Mtr.	683	409,800
g)	24rth floor	600	Per Mtr.	683	409,800
h)	Roof	350	Per Mtr.	683	239,050
11.07	Providing & laying (Main or Sub main) PVC insulated with size 3-7/.052 copper (10mm²) conductor in 1" dia PVC conduit in the wall or column as required.				
a)	Ground floor	100	Per Mtr	951	95,100
b)	1st Floor	300	Per Mtr	951	285,300
c)	2nd Floor	100	Per Mtr	951	95,100
d)	3rd Floor to 8th floor	5,000	Per Mtr	951	4,755,000
e)	9th floor	1,000	Per Mtr	951	951,000
f)	10th floor	1,000	Per Mtr.	951	951,000
g)	11th floor to 22nd floor	5,000	Per Mtr	951	4,755,000
h)	23rd floor	500	Per Mtr.	951	475,500
i)	24rth floor	300	Per Mtr.	951	285,300
j)	Roof	100	Per Mtr	951	95,100

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
11.08	Providing & laying (Main or Sub main) PVC insulated & pvc sheeted with two core copper conductor 300/500 volts size 1.5mm².				
a)	2nd Basement	200	Per Mtr	227	45,400
b)	1st Basement	200	Per Mtr	227	45,400
c)	Ground floor	200	Per Mtr	227	45,400
N.	**With 4 core overhead or underground 300/500**				
11.09	Providing & laying (Main or Sub main) PVC insulated & pvc sheeted with 4 core copper conductor 300/500 volts size 10mm².				
a)	Ground floor	100	Per Mtr	2,275	227,500
b)	1st Floor	100	Per Mtr	2,275	227,500
c)	Roof	300	Per Mtr	2,275	682,500
O.	**With 4 core overhead or underground 300 / 500**				
11.10	Providing & laying (Main or Sub main) PVC insulated & pvc sheeted with 4 core copper conductor 600/1000 volts size 16mm².				
a)	Ground floor	200	Per Mtr	3,223	644,600
b)	1st Floor	200	Per Mtr	3,223	644,600
c)	2nd Floor	200	Per Mtr	3,223	644,600
d)	Roof	200	Per Mtr	3,223	644,600
11.11	Providing & laying (Main or Sub main) PVC insulated & pvc sheeted with 4 core copper conductor 600/1000 volts size 25mm².				
a)	Ground floor	100	Per Mtr	3,981	398,100
b)	1st Floor	100	Per Mtr	3,981	398,100
c)	2nd Floor	150	Per Mtr	3,981	597,150
d)	Roof	200	Per Mtr	3,981	796,200
11.12	Providing & laying (Main or Sub main) PVC insulated & pvc sheeted with 4 core copper conductor 600/1000 volts size 35mm².				
a)	3rd Floor to 8th floor	150	Per Mtr	5,118	767,700
b)	9th floor	50	Per Mtr	5,118	255,900
c)	10th floor	50	Per Mtr	5,118	255,900
d)	11th floor to 22nd floor	500	Per Mtr	5,118	2,559,000
e)	23rd floor	100	Per Mtr	5,118	511,800
f)	24rth floor	100	Per Mtr	5,118	511,800
g)	Roof	100	Per Mtr	5,118	511,800
11.13	Providing & laying (Main or Sub main) PVC insulated & pvc sheeted with 4 core copper conductor 600/1000 volts size 70mm².				
a)	Ground floor	500	Per Mtr	10,047	5,023,500
11.14	Providing & laying (Main or Sub main) PVC insulated & pvc sheeted with 4 core copper conductor 600/1000 volts size 120mm².				
a)	Ground floor	600	Per Mtr	18,009	10,805,400

SMK CONSTRUCTION CO

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
11.15	Providing & laying (Main or Sub main) PVC insulated & pvc sheeted with 4 core copper conductor 600/1000 volts size 185mm²				
a)	Ground floor	1,000	Per Mtr	24,643	24,643,000
11.16	Providing & laying (Main or Sub main) PVC insulated & pvc sheeted with 4 core copper conductor 600/1000 volts size 240mm²				
a)	Ground floor	800	Per Mtr	34,122	27,297,600
11.17	Supply and laying of PVC / flexible conduit for wiring concealed / surface , in RCC or masonry including all accessories such as inspection boxes, pull boxes , bends ,sockets, shadals supports, cutting harnes and repairing etc. as required for proper installation and to entire satisfaction of Consultants / Client				
	i) 20 mm pvc pipe	600	Per Mtr	112	67,200
	ii) 25mm pvc pipe	800	Per Mtr.	140	112,000
	iii) 32 mm pvc pipe	500	Per Mtr.	173	86,500
	iv) 50mm pvc pipe	100	Per Mtr	280	28,000
11.18	Providing and wiring of light point from MCB to first light point and light point to light point wired with 3 x 2.5 mm2, single core PVC insulated 250/500 volts grade copper conductor cable in 20 mm dia Pvc rigid conduit concealed / surface in RCC or masonry as may be required as shown on the drg. or as directed by the Engineer, complete with all conduit and wiring accessories				
a)	2nd Basement	200	Point	2,337	467,400
b)	1st Basement	200	Point	2,337	467,400
11.19	Providing & laying (Main or Sub main) PVC insulated 1-core copper conductor cable for ECC green laid in p relaid Conduit				
a)	S/C 4mm² pvc cable ECC in p relaid Conduit	500	Per Mtr	112	56,000
b)	S/C 6mm² pvc cable ECC in prelaid Conduit	1,200	Per Mtr	168	201,600
c)	S/C 10mm² pvc cable ECC in prelaid Conduit	500	Per Mtr	264	131,000
d)	S/C 16mm² pvc cable ECC in prelaid Conduit	600	Per Mtr	374	224,400

SMK CONSTRUCTION CO

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
	Cable Trays				
11.20	Supply, installation of 16 SWG G.I. perforated M.S. sheet cable tray rectangular shaped as per dimensions and partitions given below, with cover, to be fixed horizontally by installing suitable cable tray supports fixed at every 1000 mm c/c to steel structure with M.S. angle. Hanger M.S. rods , nuts bolts washer U-clamp to carry cables , and where required to be fixed vertically by Rawl bolts, including the cost of internal clamps in the tray to properly hold the cables complete with all necessary accessories as per site requirement and to entire satisfaction of Consultants / Client.				
a)	600 mm wide x 75 mm deep	60	Per Mtr	2,805	168,300
b)	300 mm wide x 50 mm deep	30	Per Mtr	2,150	64,500
c)	150 mm wide x 50 mm deep	20	Per Mtr	1,402	28,040
	Switch Socket Outlet				
11.21	Providing,installing,connecting and testing of 10 Amp flush plate approved type switch with m.s or pvc back box.				
a)	2nd Basement	30	Per No.	327	9,810
b)	1st Basement	30	Per No.	327	9,810
c)	Ground floor	450	Per No.	327	147,150
d)	1st Floor	450	Per No.	327	147,150
e)	2nd Floor	450	Per No.	327	147,150
f)	3rd Floor to 8th floor	3,000	Per No.	327	981,000
g)	9th floor	560	Per No.	327	183,120
h)	10th floor	560	Per No.	327	183,120
i)	11th floor to 22nd floor	3,170	Per No.	327	1,036,590
j)	23rd floor	220	Per No.	327	71,940
k)	24rth floor	220	Per No.	327	71,940
l)	Roof	15	Per No.	327	4,905
11.22	same as item no.21 but 1- gang switch 2 way.				
a)	2nd Basement	6	Per No.	467	2,802
b)	1st Basement	6	Per No.	467	2,802
c)	Ground floor	12	Per No.	467	5,604
d)	1st Floor	12	Per No.	467	5,604
e)	2nd Floor	12	Per No.	467	5,604
f)	3rd Floor to 8th floor	72	Per No.	467	33,624
g)	9th floor	12	Per No.	467	5,604
h)	10th floor	12	Per No.	467	5,604
i)	11th floor to 22nd floor	72	Per No.	467	33,624
j)	23rd floor	12	Per No.	467	5,604
k)	24rth floor	12	Per No.	467	5,604
l)	Roof	6	Per No.	467	2,802

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty.	Unit	Rate	Amount
11.23	same as item no 21 but 1- bell push				
b)	3rd Floor to 8th floor	96	Per No	421	40,416
c)	9th floor	14	Per No	421	5,894
d)	10th floor	16	Per No	421	6,736
e)	11th floor to 22nd floor	98	Per No	421	41,258
f)	23rd floor	6	Per No	421	2,526
g)	24rth floor	3	Per No	421	1,263
11.24	Providing installing,connecting and testing of switch socket outlet flush plate approved type as given below with ms or pvc back box				
	3 pin 5A switch socket outlet with back box				
a)	2nd Basement	20	Per No	467	9,340
b)	1st Basement	20	Per No	467	9,340
c)	Ground floor	120	Per No.	467	56,040
d)	1st Floor	110	Per No.	467	51,370
e)	2nd Floor	120	Per No	467	56,040
f)	3rd Floor to 8th floor	1240	Per No	467	579,080
g)	9th floor	180	Per No.	467	84,060
h)	10th floor	220	Per No	467	102,740
i)	11th floor to 22nd floor	1250	Per No.	467	583,750
j)	23rd floor	80	Per No.	467	37,360
k)	24rth floor	60	Per No	467	28,020
l)	Roof	5	Per No.	467	2,335
11.25	**3 pin 13A switch socket outlet with back box**				
a)	2nd Basement	12	Per No	608	7,296
b)	1st Basement	12	Per No	608	7,296
c)	Ground floor	6	Per No	608	3,648
11.26	**3 pin 15A switch socket outlet with back box**				
a)	2nd Basement	5	Per No	748	3,740
b)	1st Basement	10	Per No	748	7,480
c)	Ground floor	20	Per No	748	14,960
d)	1st Floor	24	Per No	748	17,952
e)	2nd Floor	20	Per No	748	14,960
f)	3rd Floor to 8th floor	100	Per No.	748	74,800
g)	9th floor	20	Per No	748	14,960
h)	10th floor	20	Per No	748	14,960
i)	11th floor to 22nd floor	150	Per No	748	112,200
j)	23rd floor	6	Per No	748	4,488
k)	24rth floor	5	Per No	748	3,740
l)	Roof	5	Per No	748	3,740
11.27	**20A DP switch for A/C with back box**				
a)	2nd Basement	5	Per No	3,473	17,365
b)	1st Basement	5	Per No	3,473	17,365
c)	2nd Floor	6	Per No	3,473	20,838
d)	3rd Floor to 8th floor	270	Per No	3,473	937,710
e)	9th floor	50	Per No	3,473	173,650
f)	10th floor	45	Per No.	3,473	156,285

SMK CONSTRUCTION CO

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
g)	11th floor to 22nd floor	280	Per No	3,473	972,440
h)	23rd floor	20	Per No	3,473	69,460
i)	24rth floor	20	Per No	3,473	69,460
j)	Roof	1	Per No	3,473	3,473
11.28	16A-400V TPN+E industrial socket outlet IP-44 with back box for pump				
a)	1st Basement	8	Per No	11,219	89,752
	Light Fixtures				
11.29	Supply , installation, connecting and testing of lighting fixtures surface Ceiling/wall mounted or to be fixed in the false ceiling, complete with ceiling rose, lamp holders Light, Earthing terminals and internal wiring,connector, including hangers brackets & necessary hardware such as screws, anchors, etc flexible cord or flexible conduit complete in all respect approved type and to entire satisfaction of Consultants / Client.				
a	Downlighter Ceiling mounted surface with reflector 24w LED light fixture , complete with Fixture and accessories as approved type	1,112	Per No	8,882	9,876,784
b	Downlighter false Ceiling mounted Concelld with reflector 24w LED light fixture , complete with Fixture and accessories as approved type.	55	Per No	8,134	447,370
c	Ceiling mounted surface with reflector 2x14w LED light fixture , complete with Fixture and accessories as approved type	620	Per No	7,480	4,637,600
d	Downlighter false Ceiling mounted with reflector 2x14w LED light fixture , complete with Fixture and accessories as approved type.	214	Per No	7,480	1,600,720
e	Ceiling mounted surface/false Ceiling mounted with reflector 2x8w LED light fixture , complete with Fixture and accessories as approved type	2,500	Per No	7,480	18,700,000
f	Ceiling mounted surface with reflector 1x11w LED light fixture , complete with Fixture and accessories as approved type.	1,580	Per No	4,675	7,386,500
g	Wall mounted decorative surface type 2 x 8W LED light fixture complete with Fixture and accessories as approved type.	2,100	Per No	5,610	11,781,000
h	ceiling mounted surface water proof 11W LED light fixture ,IP-65 complete with Fixture and accessories as approved type.	630	Per No	4,207	2,650,410
i	Wall mounted surface water proof 11W LED light fixture ,IP-65 complete with Fixture and accessories as approved type.	20	Per No	4,207	84,140

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
j	Wall mounted surface water proof 11W LED light fixture mirror,IP-65 complete with Fixture and accessories as approved type.	532	Per No	3,292	1,740,704
k	False Ceiling mounted 18W LED box light fixture complete with Fixture and accessories as approved type.	300	Per No.	4,675	1,402,500
l	False Ceiling mounted 18W LED pattee fitting light fixture complete with Fixture and accessories as approved type.	50	Per No	3,272	163,600
m	Ceiling mounted surface crestal chadilar 2000W light complete with Fixture and accessories as approved type.	4	Per No	233736	934,944
n	Ceiling mounted surface crestal chadilar 1000W light complete with Fixture and accessories as approved type.	8	Per No	140,242	1,121,936
o	Flood light complete with 90watts LED Fixture complete with all accessories as approved type.	8	Per No	56,097	448,776
p	Supply , installation, connecting and testing of warning light water proof with 11W LED light fixture beater y operated backup, IP-65 installed at roof Steel pole mounted complete with Fixture , pole and other accessories as approved type	2	Per No	146,920	293,840
	BOUNDARY WALL LIGHT & POLE				
11.30	Providing , erecting , installing connecting and testing light and M.S pole 5' ft height 3" dia Boundary light Pole complete with double arm, base plate, rawal bolt, clamps, nut bolts, washers & other installation accessories painting first and under coat of red oxide for anti rust treatment and then painted with the base paint and then finally finished with approved colour of animal paint including the cost of flood light weather proof with 40w LED light-IP-65,terminal box with 5Amcb connector etc complete with all material and installation accessories, approved type.	30	Per No	79,470	2,384,100
	Wall Bracket Fan				
11.31	Supply , installation, connecting and testing of louver type plastic bracket fan 300 mm dia, complete with plastic cage, regulator, wall bracket and all fixing accessories as approved type				
a)	2nd Basement	4	Per No.	3,740	14,960
b)	1st Basement	4	Per No.	3,740	14,960
c)	Ground floor	30	Per No	3,740	112,200
d)	1st Floor	30	Per No	3,740	112,200
e)	2nd Floor	3	Per No	3,740	11,220
f)	3rd Floor to 8th floor	96	Per No.	3,740	359,040
g)	9th floor	16	Per No.	3,740	59,840

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
h)	10th floor	16	Per No.	3,740	59,840
i)	11th floor to 22nd floor	108	Per No.	3,740	403,920
j)	23rd floor	6	Per No.	3,740	22,440
k)	24rth floor	3	Per No.	3,740	11,220
l)	Roof	1	Per No.	3,740	3,740
	Exhaust Fan				
11.32	Supply , installation, connecting and testing of plastic body Exhaust fan 300 mm dia. complete with Making the hole wooden frame louver type complete with all fixing accessories approved type				
a)	2nd Basement	4	Per No.	1,870	7,480
b)	1st Basement	3	Per No.	1,870	5,610
c)	Ground floor	16	Per No.	1,870	29,920
d)	1st Floor	9	Per No.	1,870	16,830
e)	2nd Floor	6	Per No.	1,870	11,220
f)	3rd Floor to 8th floor	252	Per No.	1,870	471,240
g)	9th floor	38	Per No.	1,870	71,060
h)	10th floor	42	Per No.	1,870	78,540
i)	11th floor to 22nd floor	252	Per No.	1,870	471,240
j)	23rd floor	15	Per No.	1,870	28,050
k)	24rth floor	10	Per No.	1,870	18,700
l)	Roof	1	Per No.	1,870	1,870
	Ceiling Fan				
11.33	Supply , installation, connecting and testing of 56"ceiling fan copper winding complete with hanging pox, fan dimmer with back box,ceiling roset and complete with all fixing accessories approved type				
a)	2nd Basement	5	Per No.	3,740	18,700
b)	1st Basement	4	Per No.	3,740	14,960
c)	Ground floor	50	Per No.	3,740	187,000
d)	1st Floor	66	Per No.	3,740	246,840
e)	2nd Floor	86	Per No.	3,740	321,640
f)	3rd Floor to 8th floor	336	Per No.	3,740	1,256,640
g)	9th floor	60	Per No.	3,740	224,400
h)	10th floor	56	Per No.	3,740	209,440
i)	11th floor to 22nd floor	336	Per No.	3,740	1,256,640
j)	23rd floor	20	Per No.	3,740	74,800
k)	24rth floor	24	Per No.	3,740	89,760
l)	Roof	1	Per No.	3,740	3,740

SAAK CONSTRUCTION CO

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
	Split Air Conditioner				
11.34	Providing, installation, connecting and testing of plasma wall mounted wireless remote controlled split Air conditioner as approved type complete in all respect with controlled wiring, inlet outlet copper tubes / insulation recessed in the false cering from condensing unit to air handling unit with dram pipe accessories as required (Contractor has to submit warranty of A/C unit aloeg with the ipc failing which payment against the item will not be entertained)				
	1.5 ton (18000 BTU)				
a)	Ground floor	12	Per No.	79,470	953,640
b)	3rd Floor to 8th floor	252	Per No	79,470	20,026,440
c)	9th floor	40	Per No	79,470	3,178,800
d)	10th floor	42	Per No	79,470	3,337,740
e)	11th floor to 22nd floor	252	Per No	79,470	20,026,440
f)	23rd floor	7	Per No	79,470	556,290
g)	24rth floor	8	Per No	79,470	635,760
h)	Roof	6	Per No	79,470	476,820
	2.0 ton (24000 BTU)				
a)	23rd floor	9	Per No	98,169	883,521
b)	24rth floor	9	Per No	98,169	883,521
	6.3 ton floor mounted (75000 BTU)				
a)	9th floor	3	Per No	434,750	1,304,250
11.35	Providing of extra refrigeration inlet and outlet copper piping / insulated for the above Air-condition as required complete with all accessories	2,500	Per Mtr	748	1,870,000
	Earth conductor				
11.36	Providing laying and connecting 3/0 SWG hard drawn bare copper leads from earthing plates to panels (MDB's) as as required The copper leads to be laid in suitable size of G. I Pipe complete with all G.I pipe and other accessories.	500	Per Mtr	1,122	561,000
	Earthing				
11.37	Providing installing connecting and testing of Earthing of 16" x 18" x 1/8" thick copper plate buried at 15 ft deep in the ground or to the depth of water lever which over is more work to include 2'x2'x2' inspection earth pit digging of earth pit and refilling with sand complete with necessary mixture of salt and sora to make the specified results according to IEE regulation, and latest B.S standards. Complete with all accessories like copper plate, brass nut-bolts and washer etc as per Engineer approval. The earth pit should be at 8 feet away from the building foundation	12	Per No.	46,747	560,964

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
	Distribution Board				
11.39	Design, supply, installation, testing & commissioning of fire protection encloser with level of interior and exterior fire protection,fire resistance duration of at least 30/90mint dust/ weather proof, hinged door / lock, suitable for 500 volts, 3 phase, 4 wires,earth terminal AC system floor standing or wall fixed / flush / surface as required. Tinned copper bus bars to be used, inside with protection cover for cable bundles from top and bottom as standard . Complete with all components and other installation accessories as per requirements. Submit shop drawings for approval The D B compnises of:-				
a)	**LV PANEL** **Incoming** 1-4000A TP Adj ACB 100-KA Motorized 2-2500A TP Adj ACB 85-KA Motorized 1-Amps meter digital scaled-0-2500A 1-Volt meter digital scaled -0-500V 1-Volt-selector switch 1-Amps- selector switch 3- current transformer 2500A-5A 3-2500A copper busbar 2-2000A copper busbar 6-Indication Lamps 3-Instrument fuse **Outgoing** 1-3000 A TP MccB Adj 85-KA 1-1250 A TP MccB Adj 50-KA 4-250 A TP MccB 25-KA 1-200 A TP MccB 20-KA 3-150 A TP MccB 19-KA 4-100 A TP MccB 13-KA 2-60 A TP McB 13-KA 4-30 A TP McB 13-KA 2-TP MCCB Space only	1	Job	626,413	626,413
b)	**DB -LIFTs- 4,5 Typical** **Incoming** 1-150A TP MccB 19-KA 1-Voltmeter scaled -0-500V 1-Ampsmeter scaled-0-150A 1-Volt selector switch 1-Amps- selector switch 3-Indication Lamps 1-TPN+E copper busbar **Outgoing** 6-30A TP MccB 13-KA 3-10A SP McB 6-KA	3	Job	121,543	364,629

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
c)	**DB-LIFTs- 1,2,3 Typical** **Incoming** 1-30A TP MccB 13-KA 3-Indication Lamps 1-TPN+E copper busbar **Outgoing** 1-20A TP MccB 13-KA 1-15A SP McB 10-KA	3	Job	37,398	112,194
d)	**DB -L-RF-A,B Typical** **Incoming** 1-30A TP MccB 13-KA 3-Indication Lamps 1-TPN+E copper busbar **Outgoing** 1-15A TP MccB 13-KA 6-10A SP McB 10-KA 3-15A SP McB 10-KA	2	Job	46,747	93,494
e)	**DB -2F-A+B (for 1st floor) Typical** **Incoming** 1-40A TP MccB 13-KA 1-Voltmeter scaled -0-500V 1-Volt selector switch 3-Indication Lamps 1-TPN+E copper busbar **Outgoing** 21 -10A SP McB 10-KA 6-15A SP McB 10-KA	2	Job	56,097	112,194
f)	**SMDB -A+B(for 3rd to 8th floor) Typical & DB External** **Incoming** 1-160A TP MccB 13-KA 1-Voltmeter scaled -0-500V 1-Volt selector switch 3-Indication Lamps 1-TPN+E copper busbar **Outgoing** 9-10A SP McB 10-KA 3-15A SP McB 10-KA 7-30A TP MCCB 13-KA	18	Job	126,218	2,271,924
g)	**DB -1-Appt- (for 3rd to 8Th floor) Typical** **Incoming** 1-30A TP MccB 13-KA 1-Voltmeter scaled -0-500V 1-Volt selector switch 3-Indication Lamps 1-TPN+E copper busbar **Outgoing** 9-10A SP McB 10-KA 6-15A SP McB 10-KA	84	Job	46,747	3,926,748

SMA CONSTRUCTION CO.

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
h)	**SMDB-9F-A+B-(for 9th floor)**				
	Incoming				
	1-160A TP MccB 13-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	9-10A SP McB 10-KA				
	3-15A SP McB 10-KA				
	3-15A TP MCCB 13-KA				
	8-30A TP MCCB 13-KA	2	Job	240,415	480,830
i)	**DB -Appt- (for 9th floor) Typical**				
	Incoming				
	1-30A TP MccB 13-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	12-10A SP McB 10-KA				
	2-15A SP McB 10-KA				
	1-20A SP McB 10-KA	12	Job	46,747	560,964
j)	**DB -10F A+B (for 10th floor) Typical**				
	Incoming				
	1-30A TP MccB 13-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	10-10A SP McB 10-KA				
	6-15A SP McB 10-KA	14	Job	46,747	654,458
k)	**SMDB-10F-A+B (for 10th floor)Typical**				
	Incoming				
	1-160A TP MccB 13-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	9-10A SP McB 10-KA				
	3-15A SP McB 10-KA				
	1-15A TP MCCB 13-KA				
	7-30A TP MCCB 13-KA	2	Job	154,266	308,532

SMK CONSTRUCTION CO

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
l)	**DB -Appt- (for 11th to 22nd floor) Typical**				
	Incoming				
	1-30A TP MccB 13-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	12-10A SP McB 10-KA				
	3-15A SP McB 10-KA				
	2-20A SP McB 10-KA	84	Job	46,747	3,926,748
m)	**SMDB-Appt-(for 11th to 22nd floor) Typical**				
	Incoming				
	1-160A TP MccB 13-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	8-10A SP McB 10-KA				
	3-15A SP McB 10-KA				
	1-15A TP MCCB 13-KA				
	6-30A TP MCCB 13-KA	12	Job	149,591	1,795,092
n)	**DB -Appt- (for 23rd floor) Typical**				
	Incoming				
	1-30A TP MccB 13-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	12-10A SP McB 10-KA				
	3-15A SP McB 10-KA				
	2-20A SP McB 10-KA	5	Job	48,617	243,085
o)	**SMDB -(for 24rth floor)**				
	Incoming				
	1-125A TP MccB 19-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	12-10A SP McB 10-KA				
	3-15A SP McB 10-KA				
	2-20A SP McB 10-KA				
	1-50A TP MCCB 19-KA				
	1-60A TP MCCB 13-KA	1	Job	102,844	102,844

S.K. CONSTRUCTION CO.

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
p)	**DB -1-Appt- (for 24rd floor)**				
	Incoming				
	1-60A TP MccB 13-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	18-10A SP McB 10-KA				
	8-15A SP McB 10-KA				
	3-20A SP McB 10-KA	1	Job	65,446	65,446
q)	**DB -2-Appt- (for 24rd floor)**				
	Incoming				
	1-50A TP MccB 13-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	12-10A SP McB 10-KA				
	6-15A SP McB 10-KA				
	3-20A SP McB 10-KA	1	Job	60,771	60,771
r)	**DB -Pump**				
	Incoming				
	1-150A TP MccB 19-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	1-100A TP MccB 10-KA				
	1-60A TP MccB 10-KA				
	1-30A TP MccB 10-KA	3	Job	88,820	266,460
s)	**DB -External**				
	Incoming				
	1-100A TP MccB 13-KA				
	1-Voltmeter scaled -0-500V				
	1-Volt selector switch				
	3-Indication Lamps				
	1-TPN+E copper busbar				
	Outgoing				
	1-30A TP McB 10-KA				
	3-15A TP McB 10-KA				
	6-15A SP McB 10-KA				
	3-20A SP McB 10-KA				
	3-30A SP McB 10-KA	4	Job	79,470	317,880

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
	Elevator				
11.39	Supply, installing, connecting and testing of 900-KG capacity lift Passenger from 2nd Basement to Roof floor (27 stops), imported Origin & shipment from UK / European , USA or JAPAN approved type, automatic doors opining, stainless steel cabin with mirror of size 1.2m high on back & rail, control panels, black granite (imported) tile, flooring of 30cm x 30cm, contractor and relays, approved type, imported machine and motor ,speed 1.5 m/s with auxiliary fan, lights, accessories etc all as directed by the Engineer . The lift must have mechanism of going to the ground level and opening of doors in case of power failure and must have door sensors. Shop drawings are to be submitted for approval prior to start of work to ensure that the pit and overhead / machine room of the sizes are as per manufacturer's requirements. In case of any modification required in the structure design, contractor has to do the same accordingly for which no extra payment will be made . Contractor to ensure to provide all provisions / openings in the structure as per requirements of the lift manufacturers All expenses of the above deemed to be included in the item. Contractor is required to submit the samples for all finishing item prior to ordering for the approval of the consultant	4	Per No	10,017,272	40,069,088
	NOTES:				
	a) All lifts operated up to second floor with push buttons & above second floor operation of lifts with access card as per building management. b) All lifts should be equip ted with ARD (automatic rescue device) &voice synthesizer. c) All lifts should be parked at basement with parking shutdown switch (key operated electronic device). d) Auto-parking lifts as per building management. e) Other international features & standards				
11.40	Same as item no-39 but 800-KG capacity lift Passenger from 2nd basement to roof floor (13 stops) supply and fixing.	4	Per No	6,010,363	24,041,452
11.41	Same as item no-39 but 800-KG capacity Passenger lift from Ground floor to 1st floor (2 stops) supply and fixing.	2	Per No	6,077,145	12,154,290
11.42	Same as item no-39 but 800-KG capacity cargo lift from 2nd basement to roof floor (27 stops) supply and fixing.	1	Per No	10,017,272	10,017,272
11.43	Same as item no-39 but 800-KG capacity cargo lift from 2nd basement to roof floor (13 stops) supply and fixing.	1	Per No	6,010,363	6,010,363

SMK CONSTRUCTION CO.

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
	Dumb-waiter				
11.44	Same as item no-30 but supply and deliver at site, installation, testing and commissioning of Dumb-waiter, load 100kg, and contract speed 0.5 meter / Sec. operating between Ground to First floor (2 stops) including all accessories complete in all respects as per specifications. Dumb-waiter to be imported manufactured approved type.	2	Per No.	5,208,981	10,417,962
	SUBSTATION EQUIPMENT				
	Distribution Transformers				
11.45	Supply, installation,connecting & testing of 1500 KVA indoor type 11KV / 400 V distribution transformer according to KE standard specifications complete with all installation accessories as required approved by the Engineer and to entire satisfaction of Consultants / Client.	2	Per No.	4,006,909	8,013,818
	MV Termination kit				
11.46	Supply, installation,conecting & testing of PVC termination kit MV 11KV indoor/outdoor, heat shrink, complete with tubes, copper lugs, MV and PIB tapes, and earth wire suitable for MV cables AL - XLPE / PVC / PVC, 3 core 120 to 240mm² complete with all installation accessories as required.	2	Per No.	80,138	160,276
	VCB Panel (with metering)				
11.47	Supply, installation, testing & commissioning of 11KV, 630 Amp, 11KVA, 3 phase, 50Hz VCB Panel. This Panel shall be with KWH, MDI and KVArh metering equipment supply with all necessary Protection Relays system accordance to KE specifications and Electric Inspector complete with all installation accessories as required and to entire satisfaction of Consultants / Client.				
	Service Voltage = 11KV Rated of C.T Ratio =75 A	1	Per No.	2,337,363	2,337,363
	VCB Panel (without metering)				
11.48	Supply, installation, testing & commissioning of 11KV, 630 Amp, 3-way, 3 phase, 50Hz VCB Panel. This Panel shall be without metering one incoming and two outgoing supply with all necessary Protection Relays system accordance to KE specifications and Electric Inspector complete with all installation accessories as required and to entire satisfaction of Consultants / Client.				
	Service Voltage = 11KV Rated of C.T Ratio =50 A	1	Per No.	5,142,199	5,142,199

SAIF CONSTRUCTION CO

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
	MV CABLE				
11.49	Supply,laying, connecting and testing of MV Cable electric 240mm²- 3-core AL- XLPE / PVC / SWA / PVC 15KV stranded Aluminum conductor armored laid in cable trenches complete with red bricks, sand warning tape , HT marker approved type including cost of all installation accessories,lugs etc, excavation and back filling and to entire satisfaction of Consultants / Client	150	Per Mtr	33,391	5,008,650
11.50	Same as item no 49 but MV Cable electric 120mm²- 1-core AL- XLPE / PVC / PVC-11KV stranded Aluminum conductor un-armored laid in prelaid cable trenches including cost of all installation accessories as directed by the Engineer	250	Per Mtr	2,671	667,750
	SECTION POWER GENSET				
11.51	Supply, installation, connecting and testing of 1500 KVA,1200 KW prime power 1500 RPM at 0.80 PF 415/220 volts, 3 phase 50 Hz output stand by Diesel Generator set directly coupled with Alternator, sound proof canopy complete in all respect, including controlled wiring from ATS and synch as required. FG WILLSON CATERPILLAR or as approved. (Contractor has to submit warranty and maintenance of Gen set along with the rpc failing which payment against the item will not be entertained)	2	Job	39,828,672	79,657,341
	Synchronize and ATS panel				
11.52	Supply, installation, testing & commissioning of Synchronize and Automatic transfer switch panel for 2x 1500 KVA, 1200 KW DG set and 1no K.E supply complete with all installation accessories as required and to entire satisfaction of Consultants / Client.	1	Job	7,853,541	7,853,541
	Fuel tank				
11.53	Fabrication, supply and installation of 2500 Gallon underground main fuel tank installed outside the power house. Complete with civil works as required for the installation of the tank will be in contractor scope including Hi low fuel level switches.	2	Job	1,168,682	2,337,364
11.54	Fabrication supply and installation of 1000 Gallon day fuel tank installed at roof of the building, the day tank shall comprise of Hi low fuel level switches	2	Job	467,473	934,946
11.55	Supply,installation of 2x2HP fuel transfer pump for filling of fuel from Main fuel tank to day fuel tank and gen set tank compete with motor starter panel, cabling works and shelter for motors, the system shall also comprise of automatic Hi- low fuel level starting of fuel pumps for filling of fuel.	2	Nos	79,470	158,940

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
11.56	Supply and installation of 2" dia,12gauge GI pipe from main fuel tank to day fuel tank and its return complete with valve and all other installation accessories as required	150	P/M	748	112,200
11.57	Supply and installation of 1.5" dia,12gauge GI pipe from main header to respective Day Fuel tanks complete with valve and all other installation accessories as required	200	P/M	561	112,200
11.58	Supply and installation of fuel water separator make Racor, 2 Nos for each DG Set.	2	Nos	46,747	93,494
	Bus Bar Riser				
11.59	Supply, installation, testing & commissioning of Aluminum conductors bas bar riser IP55 -4wires (3Phase,neutral) and housing earth (PE) with required accessories such as flexible elbows reducers units,expansion units and closer, tap off boxes with MCCB fixing elements joint structure bus bar and panel connection units etc and to entire satisfaction of Consultants / Client. Current rating of bus bar risers with all accessories as above mention (Building -1)				
a	3000 A Busbar Ground floor S/S to Riser				
	Feeder length	80	Per Mtr	80,138	6,411,040
	Horizontal Elbow	5	Nos	115,292	576,460
	Vertical Elbow	2	Nos	140,242	280,484
	Panel connection (Outgoing)	1	Nos	140,242	140,242
	Horizontal Expansion joint	1	Nos	280,063	280,063
b	3000A Busbar for Building -1 (Electric shaft G/Floor to 4th floor)				
	Plugin length	15	Per Mtr	80,138	1,202,070
	Load Reducer (3000A TO 2500A)	1	Nos	200,345	200,345
	Tap off boxes (160A)	5	Nos	86,816	434,080
	Tap off boxes (40A)	10	Nos	27,381	273,810
c	2500A Busbar for Building 1 (Electric shaft 4TH Floor to 7th floor))				
	Plugin length	10	Per Mtr	73,460	734,600
	Load Reducer (2500A TO 2000A)	1	Nos	160,276	160,276
	Tap off boxes (160A)	3	Nos	86,816	260,448
d	2000A Busbar for Building 1 (Electric shaft 7TH Floor to 11th floor))				
	Plugin length	15	Per Mtr	46,747	701,205
	Load Reducer (2000A TO 1600A)	1	Nos	166,955	166,955
	Tap off boxes (160A)	4	Nos	86,816	347,264

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
e	1600A Busbar for Building 1 (Electric shaft 11TH Floor to 14th floor))				
	Plugin length	10	Per Mtr	66,782	667,820
	Load Reducer (1600A TO 1250A)	1	Nos	166,955	166,955
	Tap off boxes (160A)	3	Nos	86,816	260,448
f	1250A Busbar for Building 1 (Electric shaft 14TH Floor to 18th floor))				
	Plugin length	10	Per Mtr	37,398	373,980
	Load Reducer (1250A TO 800A)	1	Nos	133,564	133,564
	Tap off boxes (160A)	4	Nos	86,816	347,264
g	800A Busbar for Building 1 (Electric shaft 18Th Floor to 24Th floor and Roof floor))				
	Plugin length	30	Per Mtr.	32,723	981,690
	End closer	1	Nos	3,740	3,740
	Tap off boxes (160A)	7	Nos	86,816	607,712
	Tap off boxes (40A)	2	Nos	27,381	54,762
	(Building - 2)				
11.60	Same as item no- 47 but 1250 A Busbar Ground floor S/S to Riser (Building -2)				
	Feeder length	40	Per Mtr	37,398	1,495,920
	Horizontal Elbow	5	Nos	60,104	300,520
	Vertical Elbow	2	Nos	60,104	120,208
	Panel connection (Outgoing)	1	Nos	53,425	53,425
a	1250A Busbar for Building 2 (Electric shaft G/floor to 4Th floor)				
	Plugin length	15	Per Mtr	37,398	560,970
	Load Reducer (1250A TO 800A)	1	Nos	133,564	133,564
	Tap off boxes (160A)	4	Nos	80,138	320,552
	Tap off boxes (40A)	2	Nos	27,381	54,762
b	800A Busbar for Building 1 (Electric shaft 4Th Floor to 7Th floor)				
	Plugin length	15	Per Mtr	46,747	701,205
	Load Reducer (800A TO 500A)	1	Nos	100,173	100,173
	Tap off boxes (160A)	3	Nos	86,816	260,448
c	500A Busbar for Building 1 (Electric shaft 7Th Floor to 11Th floor)				
	Plugin length	20	Per Mtr	29,918	598,360
	End closer	1	Nos	5,343	5,343
	Tap off boxes (160A)	5	Nos	86,816	434,080
	Tap off boxes (40A)	3	Nos	27,381	82,143

SAMS CONSTRUCTION CO.

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
11.61	**Air Terminals** Supply, installation, commissioning & testing of Air Terminals as per international standers mounted on 3"/2" Dia sectional GI pipe 4.5meter long c complete with base assembly, clamps, nuts & bolts,adapter and all necessary materials, accessories as required to entire satisfaction of Consultants / Client.	2	Nos	233,736	467,472
11.62	**G.I Strip (Equipotentiality bounding)** Supply installation, commissioning and testing of 25mm x 3mm GI Equipotentiality bounding, to be fixed on parapet walls of roof and along the outer wall around the 15th floor and 21st floor connected with down conductor, bends, saddles, corners etc , all fixing accessories, complete in all respects	1,200	Per Mtr.	561	673,200
11.63	**Copper down conductor.** Supply installation, commissioning and testing of 70mmsq copper copper conductor for ECC from Air terminal to Earth terminal with all fixing accessories, complete in all respects	350	Per Mtr	1,122	392,700
11.64	**Copper Electrodes** Supply, installation, connection & testing of copper earth electrodes, 19mm dia, 3000mm in length,driven vertically in ground, including cost of Test pit 300x300x300mm internal plaster, 100mm thick R.C.C cover with lifting hooks, all necessary accessories and material, complete in all respects.	6	Nos	46,747	280,482
11.65	**Test Reports and KESC Application For connection charges** Supply of duly signed test reports according to requirements and acceptable to Electric Inspector, including obtaining of NOC from Electrical Inspector. The Contractor shall also fill the KESC application form with necessary approval of electrical load and connection charges submit and lease assistance to the Client in getting the electric connection	1	Job	23,373,634	23,373,634
11.66	**Wiring for Fire Alarm system** Supply, laying, connecting and testing of fire alarm system wiring from FACP to smoke detector and between smoke detector to smoke detector , heat detector, Break glass, Horns, concealed / surface wire with 2-core 1.5mm² PVC insulated sheeted copper conductor cable in 25mm dia of heavy gauge PVC / conduit including all accessories such as inspection boxes, pull boxes,bends,sockets, sha dals supports, cutting gharnes and repairing etc as required and to entire satisfaction of Consultants / Client	2,300	P/M	935	2,150,500

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
	Smoke Detector				
11.67	Supply, installation, Connection and testing of multi - mode intelligent photo-optical Smoke detector USA or approved type including all accessories as required and to entire satisfaction of Consultants / Client	160	Each	7,480	1,196,800
	Heat Detector				
11.68	Supply, installation, Connection and testing of heat detector with combined rate vof rise and fixed temperature sensor detector USA approved type including all accessories as required and to entire satisfaction of Consultants / Client	4	Each	7,480	29,920
	Manual Break glass station				
11.69	Supply, installation, Connection and commissioning of Break glass manual Fire Alarm Station detector approved type including all accessories as required and to entire satisfaction of Consultants / Client	20	Each	7,480	149,600
	Alarm Bell				
11.70	Supply,installation,Connection and commissioning of audible Alarm Bell, 150mm dia going to be installed recessed in walls, columns or as per site requirements with end of line diode where required, including all necessary accessories, complete in all respects.	20	Each	4,675	93,500
	Horns				
11.71	Supply, installation, Connection and commissioning of Horns, complete in all respects	3	Each	6,545	19,635
	Fire Alarm Control Panel (FACP)				
11.72	Supply installation connection and testing of addressable Fire Alarm Control and indicating Panel consisting of control trigger zone module simultaneous display of first and current fire, LCD display character internal thermal printer, controls enabled by key switch separate cancel / acknowledge fire, menu driven control and maintenance functions with password protection including cost of all necessary accessories, integral power supply suitable for 24 volt Audio alarm, self contained Battery, Battery Charger as per Consultant's approval complete in all respects	1	Job	434,082	434,082
11.73	Providing & fixing fire extinguisher including bracket and nozzle, etc complete in all respects				
a)	6 KG Dry Powder Fire Extinguisher	20	Each	5,610	168,300
b)	5 Lbs CO2 Fire Extinguisher	30	Each	4,675	140,250

BILL NO. 11 - ELECTRICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
11.74	Providing Desktop Dell or equivalent Computer each configured with Intel Core i3, 3.10 Ghz (2nd Generation Core-I Processor), 4 GB RAM (DDR-III) Original Intel Motherboard complete with key board, 19" color LCD, mouse, DVD Writer, 1000 GB HDD (SATA) along with genuine/ licensed latest version Microsoft Windows operating system and Microsoft Office Professional Edition latest version	6	Each	74,796	448,776
11.75	Providing A-4 Size HP Laser Jet P3015X Black & White Printer or equivalent	1	Each	102,844	102,844
11.76	Providing A-3 Size Colored HP Laser Jet Printer CP 5525DN or equivalent	1	Each	373,978	373,978
11.77	Providing A-3 Size HP Scanner 9120 or equivalent	1	Each	327,231	327,231
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 11	553,848,100

CONSTRUCTION CO

BILL NO. 12 - PHYSICAL SECURITY

S. No	Description	Qty	Unit	Rate	Amount
	NOTE: *Supplying, Installation at any height, testing and commissioning of the following items of work (unless specifically stated otherwise) including all materials, labour, tools, plants, accessories, etc as per specifications and after approval of Engineer, required for proper completion of each item in all respect. If a cost is not delineated for any item/work deemed necessary by Employer to fully meet the user requirements contained herein, then such item/works will be deemed to be free. No extra charges will be permitted beyond items listed in the price table.*				
A	***CCTV System and Physical Security***				
12.01	Providing, installing, connecting, testing and commissioning of 1MP Outdoor/Indoor type Bullet IP Fixed Camera, D/N, IR, Wide Dynamic Range (WDR), Vari-focal lens, f2.8-12mm, H.264, 720p/30fps, Digital Noise Reduction (DNR), IP66, Bracket Included, complete with all other accessories required for proper completion of work as per approval of Engineer.	92	Nos	60,771	5,590,932
12.02	Providing, installing, connecting, testing and commissioning of 1MP Indoor type IP Mini Dome Camera, D/N, IR, Wide Dynamic Range (WDR), Vari-focal lens, f2.8-10mm, H.264, 720p/30fps, Digital Noise Reduction (DNR), Vandal proof IK10, complete with all other accessories required for proper completion of work as per approval of Engineer.	18	Nos	46,747	841,446
12.03	Supply & Installation of 19" Rack with Network Attached Storage (NAS) appropriate to record video streaming from different IP cameras on third party software as per network requirement, with minimum 24 TB Hot swappable HDD or equivalent NVR to accomodate all CCTV Camera recordings for atleast 30 days (bidder's quoted and approved by Engineer's).	1	Job	1,335,636	1,335,636
12.04	Supply & Installation of 32" LED display with Base Mount, HDMI Port alongwith other standard ports complete with all other accessories required for proper completion of work as per the approval of the Engineer.	6	Nos.	79,470	476,820

BILL NO. 12 - PHYSICAL SECURITY

S. No	Description	Qty	Unit	Rate	Amount
12.05	Providing, installing, connecting, testing and commissioning of X-Ray Baggage Scanning Machine complete with all other accessories required for proper completion of work as per approval of Engineer.	2	Nos	5,342,545	10,685,090
12.06	Providing, installing, connecting, testing and commissioning of Multi Zone Walk Through Metal Detector Gate Outdoor type with Canopy and all other accessories as per approval of Engineer.	2	Nos	534,254	1,068,508
12.07	Supply of Hand-held explosive detector which detects all explosive materials complete with all other accessories required for proper completion of work as per approval of Engineer.	1	Nos	200,345	200,345
12.08	Supply of Hand held metal detectors which detects all metals, both ferrous and non-ferrous all with three (3) level detection performance, having 3-way push-button operation, Audible and visual alarm indication, rechargeable battery complete with all other accessories required for proper completion of work as per approval of Engineer.	2	Nos	26,713	53,426
12.09	Providing, installing, connecting, testing and commissioning of Electronic Barrier 3m to 6m Boom with Photocell & Red/Green Signal Light complete with all other accessories required for proper completion of work as per approval of Engineer.	1	Nos.	400,691	400,691
12.10	Providing, installing, connecting, testing and commissioning of RFID Long Range Integrated Reader 12m range including Vehicle Management Software complete with all other accessories required for proper completion of work as per the approval of the Engineer.	4	Nos.	434,082	1,736,328
12.11	Providing and testing of RFID Passive Vehicle Tags as per approval of Engineer.	250	Nos.	280	70,000
12.12	Supply and Installation of PVC conduit 25 mm dia complete with all bends, tees, boxes, saddles. Sample should be approved by The Engineer before installation	3,654	Meter	134	489,636
12.13	Supply & Installation of HID iClass R10 contact less smart card reader 900N series Mullion Mount and all other accessories required for proper completion of work as per approval of Engineer.	12	Each	33,391	400,692

BILL NO. 12 - PHYSICAL SECURITY

S. No	Description	Qty	Unit	Rate	Amount
12.14	Supply & Installation of HID Vertex EVO 2000 Two Reader Direct TCP/IP Controller with enclosure, Power Supply, UPS with 15 min Backup Battery and all other accessories required for proper completion of work as per approval of Engineer.	2	Each	868,164	1,736,328
12.15	Supply of HID Vertex EVO 2000 ISO type contact less smart cards as per approval of Engineer	500	Each	568	284,000
12.16	Supply & Installation of HID HRView Access Control Time and attendance software with guard touring along with EZVisitor Management Module as per approval of Engineer	1	Each	333,909	333,909
12.17	Supply & Installation of TP9100 Dual Sided Thermal Card Printer and all other accessories required for proper completion of work as per approval of Engineer	1	Each	400,691	400,691
12.18	Supply & Installation of Core i7 Workstation PC with Dual VGA card (+1 Gig) & licensed OS and all other accessories required for proper completion of work as per approval of Engineer	1	Each	195,337	195,337
12.19	Supply & Installation of 21.5" Full HD LED Screen and all other accessories required for proper completion of work as per approval of Engineer.	1	Each	40,069	40,069
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing not mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 12	26,339,884

BILL NO. 13 - LAN & TELEPHONE SYSTEM

S. No	Description	Qty	Unit	Rate	Amount
	NOTE: ***Supplying, installation at any height, testing and commissioning of the following items of work (unless specifically stated otherwise) including all materials, labour, tools, plants, accessories, etc as per specifications and after approval of Engineer, required for proper completion of each item in all respect. If a cost is not delineated for any item/work deemed necessary by Employer to fully meet the user requirements contained herein, then such item/works will be deemed to be free. No extra charges will be permitted beyond items listed in the price table.***				
B	***LAN & Telephone System*** Providing, installation at any height, testing and commissioning of the following items of work including all materials, labour, tools, plants, accessories, as required for proper completion of each item in all respect including all lead and lift as per specifications and instructions of Engineer. Contractor is responsible to submit data sheets and detail shop drawings showing actual routes of wiring and equipment location for approval of Engineer before execution of work.				
13.01	Supply & Installation of Optical Line Terminal (OLT), with 19" rack-mounted Cabinet, Complete Installation Material, Optical Patch Cord (PCS), System Software Suite, Licenses, Uplink, Ethernet Service Access Board, PON & GE Ports/Cards and all other accessories as per manufacturer recommendations and approval of Engineer.	1	Job	1,869,891	1,869,891
13.02	Supply & Installation of Optical Passive Splitter 1:2, 19" Rack-mounted, Insertion Loss < 3.6 dB, Return Loss ≥ 50 (for PC Connector) and ≥ 55 (for APC Connector), working temperature -44 to + 65 °C with Adapter and all other accessories as per attached specifications.	2	Each	11,219	22,438
13.03	Supply & Installation of Optical Passive Splitter 1:4, 19" Rack-mounted, Insertion Loss < 8.5 dB, Return Loss ≥ 50 (for PC Connector) and ≥ 55 (for APC Connector), working temperature -44 to + 65 °C with Adapter and all other accessories as per attached specifications.	4	Each	16,829	67,316
13.04	Supply & Installation of Optical Passive Splitter 1:16, 19" Rack-mounted, Insertion Loss < 15.5 dB, Return Loss ≥ 50 (for PC Connector) and ≥ 55 (for APC Connector), working temperature -44 to + 65 °C with Adapter and all other accessories as per attached specifications.	16	Each	28,048	448,768

BILL NO. 13 : LAN & TELEPHONE SYSTEM

S. No	Description	Qty	Unit	Rate	Amount
13.05	Supply & Installation of Optical Passive Splitter 1:32 19" Rack-mounted, Insertion Loss < 17.5 dB, Return Loss ≥ 50 (for PC Connector) and ≥ 55 (for APC Connector), working temperature -44 to +85 °C with Adapter and all other accessories as per attached specifications.	3	Each	37,398	112,194
13.06	Supply & Installation of Optical Fiber Cable 2-Core Cable Single Mode (G.652.D), Duct Buried as per attached specifications.	8,000	Meter	51	408,000
13.07	Supply & Installation of Optical Distribution Frame (ODF) 48-Core 19" Rack-mounted with splicing and distribution module, equipments for fixing, stripping and grounding, ribbon and non-ribbon optical fibers, FC/SC/APC/ST adaptors and all other accessories as per attached specifications	20	Each	46,747	934,940
13.08	Supply & Installation of Gigabit Passive Optical Network (GPON) Class B+ Wireless Optical Network Terminal (ONT), with 4 GE & 2 POTS ports, 802.11b/g/n certified by the Wi-Fi Alliance, SIP & H.248 protocols, IGMP V2&V3 snooping/IGMP proxy, License, power supply adapter, Cat-6 Patch cord and all accessories as per attached specifications.	250	Each	17,363	4,340,750
13.09	Supply & Installation of Faceplate, dual port with 1 Fiber Optic SC/FC/APC Adapter & 1 Cat-5 UTP I/O for POTs Phone dual shutter, plastic wall plate color matching to wall color, sheet steel back box and all accessories as per approval of Engineer	250	Each	1,870	467,500
13.10	Supply & Installation of Set-Top-Box (STB) with easy Graphical User Interface (GUI), remote control, HD decoding, compliance with MPEG standards, power supply adapter, support for PPPoE, DHCP, and static IP address and all other accessories as per attached specifications.	30	Each	13,356	400,680
13.11	Providing, installing, testing and commissioning of Private Branch Exchange (PABX) System Maximum Capacity 24 Trunk lines and 200 Extensions, with sufficient Intercom Paths, Polarity Reverse Detection CO - CO Transfer Path and all other items/ accessories required for proper completion of work as per approval of Engineer.	1	Nos.	2,003,454	2,003,454
13.12	Supply & Installation of POTs Telephone Set with display & Caller ID as per approval of Engineer	300	Nos.	935	280,500

BILL NO. 13 - LAN & TELEPHONE SYSTEM

S. No	Description	Qty	Unit	Rate	Amount
13.13	Supply & Installation of 24 Port Layer 03 Smart Gigabit Ethernet Core Switch and all other accessories required for proper completion of work as per approval of Engineer.	1	Nos	667,818	667,818
13.14	Supply & Installation of 24 Port Layer 02 Smart Gigabit Ethernet Switch with UPS (5 minutes backup time and all other accessories required for proper completion of work as per approval of Engineer.	7	Nos	133,564	934,948
13.15	Supply & Installation of 16 Port Layer 02 Smart Gigabit Ethernet Switch with UPS (5 minutes backup time and all other accessories required for proper completion of work as per approval of Engineer.	5	Nos	69,453	347,265
13.16	Supply & installation of Cat 6 and optical fiber Patch Cords 5m long as per the approval of Engineer.	1	Job	65,446	65,446
13.17	Supply and Installation of 24 Port Cat-6 I/O port Patch Panel as per approval of Engineer.	7	Each	20,035	140,245
13.18	Supply and Installation of 16 Port Cat 6 I/O port Patch Panel as per approval of Engineer.	5	Each	20,035	100,175
13.19	Supply & installation of Cat-6, 4 Pair UTP Cable with Gigabit support, excellent electrical characteristics, low weight, slim design, no corrosive and be compliant with standards of electromagnetic compatibility and approval of Engineer.	1,900	Meter	65	123,500
13.20	Supply, installation and connection of 8-Pin RJ45 Connector to terminate the Cat-6 cable in UTP I/O, ONT, access switch and PC as per approval of Engineer.	500	Nos	33	16,500
13.21	Supply & installation of 100 pair VF indoor cable with 0.6 mm dia. Connector, excellent electrical characteristics, low weight, no corrosive and be compliant with standards of electromagnetic compatibility and approval of Engineer.	1,500	Meter	1,589	2,383,500
13.22	Supply & installation of 10/20 pair VF indoor cable with 0.6 mm dia. Connector, excellent electrical characteristics, low weight, no corrosive and be compliant with standards of electromagnetic compatibility and approval of Engineer.	3,500	Meter	318	1,113,000

BILL NO. 13 - LAN & TELEPHONE SYSTEM

S. No	Description	Qty	Unit	Rate	Amount
13.23	Supply & Fixing of 19" 42U height Floor Standing Cabinet, Cable management. The Cabinet is four side open with front and back mesh door. The back door is two side openable. The cabinet is fabricated from sheet metal with base of 16 gauge and pillars of 16 gauge with Locking, sliding and fix trays, PDU, 1U fan unit with 4 cooling fans, 4 wheels and 4 adjustable feet of casters with complete accessories as per approval of Engineer.	2	Nos	93,495	186,990
13.24	Supply & Fixing of 19" 27U height Floor Standing Cabinet, Cable management. The Cabinet is four side open with front and back mesh door. The back door is two side openable. The cabinet is fabricated from sheet metal with base of 16 gauge and pillars of 16 gauge with Locking, sliding and fix trays, PDU, 1U fan unit with 4 cooling fans, 4 wheels and 4 adjustable feet of casters with complete accessories as per approval of Engineer.	7	Nos	46,747	327,229
13.25	Supply & Installation of Servers for Proxy, DNS and Applications with Processor (Quad-core up to 2.93GHz/8MB/1333MHz), 8MB L3 Cache (max), Up to 32GB UDR-3 ECC Memory (max), 2 TB SATA or SAS Maximum internal storage and Dual Gigabit Ethernet Network interface all other accessories required for proper completion of work as per approval of Engineer.	3	Each	1,135,291	3,405,873
13.26	Supply and Installation of PVC conduit 25 mm dia complete with all bends, tees, boxes, saddles. Sample should be approved by Engineer before installation.	3,128	Meter	374	1,169,872
13.27	Supply & fixing of 20 pair telephone Main Distribution Frame Terminal Block with Floor Standing / Wall Mounted Frame and all other accessories required for proper completion of work as per approval of Engineer.	12	Nos	14,024	168,288
13.28	Supply & fixing of 100 pair telephone Main Distribution Frame Terminal Block with Floor Standing / Wall Mounted Frame all other accessories required for proper completion of work as per approval of Engineer.	1	Nos	18,699	18,699

SAIM CONSTRUCTION CO.

BILL NO. 13 - LAN & TELEPHONE SYSTEM

S. No	Description	Qty	Unit	Rate	Amount
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 13	22,525,779

SMK CONSTRUCTION CO.

BILL NO. 14 - IT EQUIPMENT

S. No	Description	Qty	Unit	Rate	Amount
	NOTE: *Supplying, installation at any height, testing and commissioning of the following items of work (unless specifically stated otherwise) including all materials, labour, tools, plants, accessories, etc as per specifications and after approval of Engineer, required for proper completion of each item in all respect. If a cost is not delineated for any item/work deemed necessary by Employer to fully meet the user requirements contained herein, then such item/works will be deemed to be free. No extra charges will be permitted beyond items listed in the price table.*				
C	IT Equipment				
14.01	Supply & Installation of HP Core i7 Workstation PC with Dual VGA card (+1 Gig), licensed Windows 7, 4GB RAM, 500GB HD, 20" LCD Monitor with UPS (10 minutes backup time on full load)and all other accessories required for proper completion of work as per approval of Engineer.	10	Nos	140,242	1,402,420
14.02	Supply & Installation of 5 kVA Online UPS with Built-in battery for IT equipment, back-time 10-15 minutes with all accessories required for proper completion of work as per approval of Engineer.	1	Nos	667,818	667,818
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
	Total Amount of Bill No. 14				2,070,238

BILL NO. 15 - PLUMBING WORKS

S. No	Description	Qty	Unit	Rate	Amount
15.01	Providing, fixing European type water closet with coupled flushing cistern, including all accessories and fittings, CP. flexible pipe, including double seat and cover, tee stop cock with check nut, thimble, all joints to services and drains plugging and screwing as necessary to the structure. (P or S trap)	476	Nos.	30,052	14,304,752
15.02	Providing, fixing Asian type water closet with low down flushing cistern connecting pipe complete with all accessories and fittings waste and traps, CP. flexible pipe, including tee stop cock with check nuts, all joints plugging and screwing as necessary to the structure.	35	Nos.	14,158	495,530
15.03	Providing, fixing wash basin half pedestal with all accessories such as basin hot/cold mixture, tee stop cocks with check nuts, CP. flexible pipe, uPVC waste pipe, CP waste coupling, bracket set, CP bottle trap and silicon sealant, all joint to service and drain, plugging and screwing as necessary to the structure etc. Complete in respect.	22	Nos.	20,702	455,444
15.04	Providing and fixing wash basin vanity type with all accessories such as basin mixture, tee stop cock with check nuts, CP. flexible pipe, uPVC waste pipe, CP waste coupling, bracket set,CP bottle trap and silicon sealant, all joint to service and drain, plugging and screwing as necessary to the structure etc. Complete in respect.	420	Nos.	26,713	11,219,460
15.05	Providing, fixing S.S. Kitchen sink including all accessories such as hot/cold mixture, wall type with check nuts, uPVC waste pipe, CP waste coupling, bracket set, CP. bottle trap and all joints to service and drains plugging and screwing as necessary to the structure complete in all respect etc.				
a)	Single bowl single drain	260	Nos.	24,041	6,250,660
15.06	Providing and fixing fiber bath tub organic shapes with all accessories such as wall mounted tub mixture, with check nuts, CP. flexible pipe, shower head, CP waste, trap and silicon sealant, all joint to service and drain, plugging and screwing as necessary to the structure etc. Complete in respect.	1	Nos.	100,173	100,173
15.07	Providing fixing of shower set including 1 No. bib cock, shower head, or complete open mixture type set in all respect all joint to service and drain, plugging and screwing as necessary to the structure.	496	Nos.	20,302	10,069,792

BILL NO. 15 - PLUMBING WORKS

S. No	Description	Qty	Unit	Rate	Amount
15.08	Providing & fixing heavy duty mirror including all accessories chromed brass fastening spacer brackets, material, hidden brackets, and screwing as necessary to the structure etc. as per Engineer.				
a)	Size 24" x 24"	554	Nos.	4,007	2,219,878
15.09	**Toilet Accessories** Providing and fixing bathroom accessories including fixing with Rawal plug of approved quality complete in all respect.				
i)	Towel rail	510	Nos.	2,805	1,430,550
ii)	Soap Dish	1,616	Nos.	1,169	1,889,104
iii)	Soap dispenser	12	Nos.	3,927	47,124
iv)	Toilet paper holder	588	Nos.	2,003	1,177,764
v)	Duble Bib cock with Muslim shower	211	Nos.	5,343	1,127,373
vi)	Coat Hook	1,616	Nos.	2,003	3,236,848
vii)	Hand dryer compact automatic surface mounted power 1750W / 220V / 50Hz	15	Nos.	11,687	175,305
viii)	Bib cock	12	Nos.	2,003	24,036
B	Providing & Fixing Piping for Water Supply (G.I. to Internal)				
15.10	Providing & fixing, jointing, testing of polypropylene pipec(PN-20) BS 5174 or DIN 8077 for cold & hot water system including specials fittings such as hanging system, sockets, tees, elbow, bends, reducers, plugs and union etc. MS supported walls or buried in walls / floor or suspended from roof slab as per specification & detail drawing including color coding complete in all respect.				
a)	3/4" dia (internal dia)	35,000	RFT	294	10,290,000
b)	1" dia (internal dia)	1,500	RFT	347	520,500
c)	1-1/4 dia (internal dia)	200	RFT	374	74,800
d)	1-1/2" dia (internal dia)	200	RFT	414	82,800
e)	2" dia (internal dia)	1,500	RFT	614	921,000
15.11	Providing & fixing, jointing, testing of G.I. pipec accordance with BS-21 heavy duty pipe for external water supply system show on the drawing including specials fittings such as hanging system, sockets, tees, elbow, bends, reducers, plugs and union etc. MS supported walls or buried in walls / floor or suspended from roof slab as per specification & detail drawing including color coding complete in all respect.				
a)	3/4" dia	500	RFT	103	51,500
b)	1" dia	200	RFT	150	30,000
c)	1-1/4 dia	400	RFT	262	104,800
d)	1-1/2" dia	1,200	RFT	290	348,800
e)	2" dia	30,000	RFT	355	10,650,000
f)	3" dia	500	RFT	430	215,000
g)	4" dia	2,500	RFT	570	1,425,000
h)	6" dia	200	RFT	636	127,200

SMK CONSTRUCTION CO.

BILL NO. 15.- PLUMBING WORKS

S. No	Description	Qty	Unit	Rate	Amount
15.12	Providing and fixing of full way gate/ball valves of bronze trim upto 3" (75mm) dia. With threaded ends and cast iron body bronze trim flanged ends for 4" dia. (100mm) and above with all additional material required for a complete installation as described in the as shown on drawings and as approved by the Engineer.				
i)	3/4" dia	1,552	Nos.	3,339	5,182,128
ii)	1" dia	24	Nos.	4,274	102,576
iii)	1-1/4 dia	1	Nos.	4,541	4,541
iv)	2" dia	10	Nos.	10,017	100,170
v)	3" dia	4	Nos.	46,747	186,988
vi)	4" dia	8	Nos.	56,097	448,776
vii)	6" dia	5	Nos.	126,885	634,425
15.13	Providing and fixing of pressure reducing valve bronze body with threaded ends and with all additional material unless otherwise required by BS standards and codes. Backflow preventers shall be for installation in horizontal position working pressure maximum 10bars including 3 Nos bronze body gate/ball valve complete assembly as per detail drawing installation as described in the as shown on drawings, specification and as approved by the Engineer.				
i)	2" dia	84 1	Nos.	122,879	10,321,836
15.14	Providing and fixing of full way check valves of bronze trim upto 3" (75mm) dia. With threaded ends and cast iron body bronze trim flanged ends for 4" dia. (100mm) and above with all additional material required for a complete installation as described in the as shown on drawings and as approved by the Engineer.				
i)	2" dia	8	Nos.	20,035	160,280
ii)	4" dia	4	Nos.	53,425	213,700
iii)	6" dia	1	Nos.	100,173	100,173
15.15	Providing and fixing of float valves as per specification				
i)	2" dia	2	Nos.	20,035	40,070
15.16	Providing, fixing, testing, and commissioning water centrifugal multistage pumps (2 Nos.working + 1 Nos standby tower-A) & same (Twer-B) with electric motor complete in all respects including c.c. foundation, inlet-outlet connections, union / flange, s.s. flexible expansion joints, pressure gauge, pressure, flow switch,section discharge header, electrical connection with all fixing accessories heavy duty skid mounted, etc.				
i)	WP-01 (Twer "A") 250gpm 180ft Head	2	Nos.	3,472,654	6,945,308
ii)	WP-02 (Twer "B") 250gpm 360ft Head	2	Nos.	7,345,999	14,691,998

BILL NO. 15 - PLUMBING WORKS

S. No	Description	Qty	Unit	Rate	Amount
15.17	Providing and fixing of puddle flange as per specification				
i)	3" dia	4	Nos.	8,415	33,660
ii)	4" dia	6	Nos.	11,687	70,122
iii)	6" dia	6	Nos.	13,276	79,656
15.18	Providing and fixing of automatic air vent as per specification				
i)	2" dia	12	Nos.	106,851	1,282,212
15.19	Providing, fixing, testing & commissioning of hot water geyser including inlet/ outlet connections, pressure relief valve automatic air vent etc. complete in all respects.				
i)	20 gal. Capacity	280	Nos.	24,041	6,731,480
15.20	**POTABLE WATER & STERILIZER WATER DISINFECTION SYSTEM**				
	a) General:				
	A chlorine and water mixture shall be supplied by means of a solution feed chlorination device. The chlorine solution shall be applied at one end of the pipeline through a trap, in such a manner that as the pipeline is filled with water, the dosage applied to the water entering the pipe shall be at-least (25 to 50 ppm) or enough to meet the requirements given hereinafter.				
	b) Chlorination:				
	A chlorine and water mixture shall be supplied by means of a solution feed chlorination device. The chlorine solution shall be applied at one end of the pipeline through a tap, in such a manner that as the pipeline is filled with water, the dosage applied to the water entering the pipe shall be at-least (25 ppm) or enough to meet the requirements given hereinafter.				
	c) Retention Period:				
	Chlorinated water shall be retained in the pipeline for a period of at least 24 hours. After the chlorine treated water has been retained for the required time, the chlorine residual at the pipe extremities and at such other representative points shall be at least 10 parts per million. The procedure shall be repeated until the required residual chlorine concentration is obtained.				
	d) Chlorination of Valve:				
	During the process of chlorination of the pipe lines, all valves or other appurtenances shall be operated while the pipeline is filled with the heavily chlorinated water.				

S.M.K. CONSTRUCTION CO.

BILL NO. 15 - PLUMBING WORKS

S. No	Description	Qty	Unit	Rate	Amount
	e) Final Flushing: Following complete disinfection of the pipeline, all treated water shall be thoroughly flushed from the pipeline at its extremities. Treated water and water used for flushing the pipelines shall be disposed of in a manner instructed by the Engineer. Fresh treated water shall be filled in the line and water tested for presence of coliform. The test result should indicate negative coliform presence. If the test indicates any positive coliform, the entire process of disinfection shall be repeated or improved upon until coliform free samples are obtained. **f) Sampling and Testing:** Disinfection of the pipeline and appurtenances shall be the responsibility of the Contractor. The first set of samples will be collected for analysis by the Engineer. Should the sample reveal presence of coliform the Contractor shall again disinfect the pipeline and appurtenance and shall pay the Employer for sampling and testing for subsequent retest until coliform free samples are obtained. **g) Clean-Up:** Upon completion of the installation of the water supply lines, distribution system and appurtenances, all debris and surplus materials resulting from the work will be removed and disposed off in a manner satisfactory to the Engineer. **h) Measurement and Payment:** Payment of this work will be made at the lump sum cost quoted in the BOQ, after satisfactory completion of this work as certified by the Consultant.	1	Job	467,473	467,473
C	**SOIL/WASTE, VENT & RAIN WATER SYSTEM**				
15.21	Providing and fixing in position uPVC pipes push fit type for soil, waste, water, vent & rain water pipe as embedded in floor and wall or suspended from slab or clamped to wall including plugs, specials (bend, tees, Y-tee etc.) Making requisite number of holes with pvc sleeve pipe class "B" in walls and floors where required and making good the same as necessary to the structure labeling testing to 6.5 Ft. water height complete.				
i)	2" dia	7,200	RFT	401	2,887,200
ii)	3" dia	9,100	RFT	601	5,469,100
iii)	4" dia	29,310	RFT	801	23,477,310
iv)	6" dia	4,200	RFT	1,069	4,489,800
15.22	Providing and fixing uPVC cowl for vent pipe of the following dia. including all accessories complete.				
i)	2" dia	1	Nos.	187	187
ii)	3" dia	28	Nos.	327	9,156
iii)	4" dia	42	Nos.	374	15,708

BILL NO. 15 - PLUMBING WORKS

S. No	Description	Qty	Unit	Rate	Amount
15.23	Providing and fixing uPVC floor drain / Floor Gully of approved design with S.S. (3:1:6) grating with polish finish including requisite number of holes with pvc sleeve pipe in wall plinth or floor for pipe connection and making good the same as necessary to the structure complete including gasket and clamp complete.				
i)	3" dia	1,150	Nos.	8,85	10,139,250
15.24	Providing and fixing uPVC floor clean out of approved design with S.S. (3:1:6) polish finish cap including requisite number of holes with pvc sleeve pipe in wall plinth or floor for pipe connection and making good the same as necessary to the structure complete including gasket and clamp complete.				
i)	3" dia	12	Nos.	3,927	47,124
ii)	4" dia	2	Nos.	4,768	9,536
15.25	Providing and fixing uPVC roof drain of approved design including requisite number of holes with pvc sleeve pipe in wall plinth or floor for pipe connection and making good the same as necessary to the structure complete including gasket and clamp complete.				
i)	4" dia	28	Nos.	7,293	204,204
15.26	Providing and fixing in position basment ceiling suspended main drainage hbless cast iron pipes & fitting s.s clamp joint as per specification & detail drawing for soil, waste, water & rain water pipe including Upvc to CI connector, wall or suspended from slab or clamped to wall including plugs, specials (bend, tees, Y-tee etc.) Making requisite number of holes with pvc sleeve pipe class "B" in walls and floors where required and making good the same as necessary to the structure labeling testing to 6.5 Ft. water height complete.				
i)	6" dia	1,500	RFT	2,271	3,406,500
ii)	8" dia	1,830	RFT	2,538	4,644,540
15.27	Providing and fixing CI clean out of approved design with S.S. (3:1:6) polish finish cap including requisite number of holes with pvc sleeve pipe in wall plinth or floor for pipe connection and making good the same as necessary to the structure complete including gasket and clamp complete.				
i)	6" dia	6	Nos.	8,321	49,926
ii)	8" dia	6	Nos.	10,471	62,826

BILL NO. 15 - PLUMBING WORKS

S. No	Description	Qty	Unit	Rate	Amount
15.28	Providing and fixing local manufacturers cast iron heavy duty (60kg p/sqft.) channel grating & frame otherwise indicated shall have as flow etc. (as per specification, or approved by / Engineer)				
i)	10" wide	250	RFT	5,075	1,268,750
ii)	12"wide	60	RFT	5,476	328,560
15.29	Providing and fixing local manufacturers cast iron heavy duty (60kg p/sqft.) sum-pit grating & frame otherwise indicated shall have as flow etc. (as per specification, or approved by / Engineer)				
i)	24"x24" size	11	Nos.	24,041	264,451
ii)	30"x30" size	2	Nos.	29,384	58,768
15.30	Providing, fixing uPVC class 'D' pipe for sub-soil drainage system perforeted type as per detail drawing complete in all respect.				
i)	6" dia	750	RFT	2,404	1,803,000
15.31	Providing, laying, jointing, testing and commissioning Upvc pressure pipe work schedule 40 for irrigation system as per BSS 1387 working pressure 4.5 bars at service temperature 65 deg.C including specials solvent material specials fittings, bend, tees, socket, flange, union,etc.) making requisite number of holes, excavation perpetration of compacted make smooth bed & back filling etc. complete in all respect as per drawings & specificaton and to the approved of the Engineer.				
i)	2" dia	60	RFT	801	48,060
15.32	Providing & fixing, jointing, testing and comissioning of stainless steel submersible pump drainage type max flow 500 lit. per min and max head 10 met. Passage of solids part max 30mm complete in all respect. (1 No working & 1 No stand-by) including check valve, ball valve as per detail draiwng etc. complete in all respect.	4	RFT	240,415	961,660
15.33	Providing and fixing uPVC speed breaker with rubber ring etc. complete in all respect as per the direction of the Engineer.				
i)	4" dia	220	RFT	8,041	1,769,020

SMK CONSTRUCTION CO.

BILL NO. 15 - PLUMBING WORKS

S. No	Description	Qty	Unit	Rate	Amount
	FIRE FIGHTING SPRINKLER SYSTEM				
15.34	Providing,installation, testing & commissioning pressurized water booster pumping system for fire fighting comprising of 1 no. Jockey pump, vertical inline multistage, centrifugal pump having capacity of 60 us gpm and head of 12Bar and 2 nos. main pump end suction centrifugal pump having capacity of 1000 us gpm against head of 10Bar (each pump) same capacity disel pump including, pressure gauges, pressure switches, flow switchs, air release valves suction & discharge header with non-return valves, gate valves, osy valves, butter fly valves, super visior switch, strainers, with all flanged or threaded including electrical control panel with starter for each pump suitable for auto off manual operation switching of pre-adjusted, cutie & cutoff pressure complete in all respect with base skid for pumps, pressure tank and motor control panel as per specification and Engineer Instruction	1	Set	19,633,852	19,633,852
15.35	Providing and fixing fire hose cabinet including fire hose reel of 25mm dia 30meters long high pressure rubber hose, 180 deg. Rotation mounted with on/off control jet nozzle, as manufactured including stop valve etc.As per specification and Engineer instruction.	72	Nos.	56,097	4,038,984
15.36	Providing and fixing dry chemical powder, fire extinguisher 6 Kg. Capacity, powder coated in red color, complete with pressure gauge & wall bracketed	72	Nos.	8,415	605,880
15.37	Providing and fixing water type fire extinguisher 9 liters capacity, powder coated in red color, complete with pressure gauge & wall bracket etc.	72	Nos	8,415	605,880
15.38	Providing, laying, jointing and testing black steel seamless piping schedule 40 for fire fighting as per ASTM-A53 grade "B" including welded fittings, hardware clamps, welding, jointing material, protective coating excavation, backfilling, compaction and bedding etc. complete in all respect as per specification and to the approved of the Engineer.				
i)	3/4" dia	15,200	RFT	294	4,468,800
ii)	1" dia	8,300	RFT	321	2,664,300
iii)	1-1/4 dia	6,900	RFT	414	2,856,600
iv)	1-1/2" dia	2,300	RFT	508	1,168,400
v)	2" dia	2,010	RFT	548	1,101,480
vi)	3" dia	4,500	RFT	1670	7,515,000
vii)	4" dia	7,200	RFT	2177	15,674,400
viii)	6" dia	100	RFT	3,005	300,500

SNK CONSTRUCTION CO.

BILL NO. 15 - PLUMBING WORKS

S. No	Description	Qty	Unit	Rate	Amount
15.39	Providing, fixing butterfly valve bolted bonnet, outside screw & yoke, rising stem, solid wedge disc complet in all respect				
i)	4" dia	6	Nos.	40,069	240,414
15.40	Providing, fixing alarm check valve flanfe connection,bypass check valve, pressure switches, stop valves, retard chamber, drain & test valves, complet in all respect				
i)	4" dia	2	Nos.	40,069	80,138
15.41	Providing, fixing water motor alarm as per pumps required complet in all respect	1	Job	66,782	66,782
15.42	Providing & fixing pendent type sprinkler with 5mm glass bulb standard response K- factor 5.6, orifice dia 15mm brass body				
i)	4" dia	564	Nos.	6,010	3,389,640
15.43	Providing & fixing automatic pressure relief valve				
i)	2" dia	2	Nos.	40,069	80,138
15.44	Providing and fixing Siamese twin connection as per specification.				
i)	2-1/2" dia	2	Nos	73,460	146,920
15.45	Providing & fixing test drain valve as per detail drawing				
i)	2" dia	1	Nos.	100,173	100,173
15.46	Providing and fixing fire hydrant valve as per specification.				
i)	2-1/2" dia	2	Nos.	24,041	48082.
ii)	4" dia	4	Nos.	336,580	1,346,320
15.47	Supply & fix, Galvanized M.S Cover & frame 750mm x 750mm x 3/8" rectangular with 2" x 2" x 1/4" Angle iron frame fixed in (Roof Opening) i/c painting with anticorrosive paint, a coat of red zinc paint complete as per drawings direction of the Engineer.	600	Kg	247	148,200
15.48	Supply and fixing C.I Goose Neck Vent 6" dia as per drawings design suitable for fixing in the roof of under ground tank weighting 50 Kg each.	12	Nos.	80,138	961,656

SMK CONSTRUCTION CO.

BILL NO. 15 - PLUMBING WORKS

S. No	Description	Qty	Unit	Rate	Amount
	F.G. NATURAL GAS				
15.49	Providing & fixing jointing testing G.I Pipe lines for Gas supply as per BS 1387 medium quality IIL Including specials sockets tee, elbow, bend, reducer plug and union etc. Supported on walls or suspended from roof slab, including protective coating as per drawing and specifications including color coding complete in all respects.				
a)	1/2" dia	18,000	Rft.	75	1,350,000
b)	3/4" dia	5,032	Rft.	112	563,584
c)	1" dia	300	Rft.	140	42,000
15.50	Providing and fixing gas cocks of approved quality of gas company including all accessories complete in all respects.				
a)	1/2" dia	500	Nos.	868	434,000
15.51	Gas supply connection to individual flats / houses of appropriate dia as per the approved specifications of SSGC including charges for meter, load classification, load sanction and flats service branch etc including coordination charges, fees, expenses, etc are to be included in the rate complete in all respect	200	Nos.	23,374	4,674,800
15.52	Gas supply connection to commercial individual of appropriate dia as per the approved specifications of SSGC including charges for meter, load classification, load sanction and flats service branch etc including coordination charges, fees, expenses, etc are to be included in the rate. complete in all respect	2	Nos.	2,003454	4,006,908
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 15	266,508,432

SAK CONSTRUCTION CO.

BILL NO. 16 - HVAC WORKS

S. No	Description	Qty	Unit	Rate	Amount
16.01	**AIR COOLED WATER CHILLER** Supply & Installation of Air Cooled Screw Water Chillers with R134a refrigerant charge including vibration isolators, chilled water inlet & outlet connections, recommended spare parts etc complete in all respects ready to operate as per specification & schedule of equipment. Capacity = 150 TR. Ambient Temperature: 105"F	2	Nos.	12,935,455	25,870,910
16.02	**CENTRIFUGAL PUMP** Supply & Installation of Chilled water Primary/Secondary Circulation Pump set with siemens motor including vibration isolators, inlet and outlet connections, drain connection etc complete in all respects ready to operate as per specification & schedule of equipment.				
	Primary CHWP =360 GPM, 60 Ft Head	3	Nos.	323,386	970,158
	Secondary CHWP = 360 GPM, 100 Ft Head	3	Nos.	323,386	970,158
16.03	**AIR HANDLING UNITS** Supply & installation, rigging, lifting & placement of Air Handling Units of following capacities including vibration isolator complete in all respects ready to operate and as per specifications.				
	AHU-1 (1500 CFM (50 MBH)	2	Nos.	307,987	615,974
	2000 CFM (60 MBH)	4	Nos.	307,987	1,231,948
	2500 CFM (70 MBH)	2	Nos.	461,981	923,962
	2800 CFM (85 MBH)	3	Nos.	461,981	1,385,943
	3500 CFM (100 MBH)	3	Nos.	461,981	1,385,943
	4000 CFM (120 MBH)	5	Nos.	500,479	2,502,395
	4500 CFM (125 MBH)	1	Nos.	846,964	846,964
	5000 CFM (150 MBH)	4	Nos.	846,964	3,387,856
	7000 CFM (200 MBH)	2	Nos.	1,308,945	2,617,890
	8500 CFM (250 MBH)	2	Nos.	1,693,929	3,387,858
	9000 CFM (275 MBH)	2	Nos.	1,847,922	3,695,844
16.04	**FAN COIL UNITS (CHILLED WATER)** Supply & installation, rigging, Lifting & Placement, testing and commissioning of Fan Coil Unit ducted type including all accessories, hangers, vibration isolators complete in all respect.				
	800 CFM (25 MBH)	4	Nos.	269,489	1,077,956
	600 CFM (20 MBH)	4	Nos.	230,990	923,960
16.05	**G.I DUCTING** Supply, Fabrication and installation of machine made hot dip G.I. sheet metal duct for different sections of supply/return air including plenums, splitter dampers, guide vanes, access door, transformation, plenums chambers complete in all respects	40,000	Sq.Ft	2.16	8,640,000

SMK CONSTRUCTION CO.

BILL NO. 16 - HVAC WORKS

S. No	Description	Qty	Unit	Rate	Amount
16.06	**DUCT INSULATION**				
	Supply & installation of thick premolded fiber glass (density: 24Kg/m3) insulation for G.I. sheet metal duct work wrapped with vapour barrier protected with canvas clothing then painted with antifungus paint complete in all respect as per specification.				
	1" thick	25,000	SqFt	108	2,700,000
	2" thick	2,000	SqFt	119	238,000
16.07	**SOUND LINER**				
	Supply & installation of 1" thick sound liner for supply air ducts complete in all respect.	5,000	SqFt	124	620,000
16.08	**DUCT CLADING**				
	Supply and installation of 26 gage G.I sheet clading on exposed insulated duct work complete in all respect	2,000	SqFt	162	324,000
16.09	**AIR DEVICES**				
	Supply and installation of Aluminum powder Coated fabricated Grills, Diffusers and Registers for supply and return air as per specifications complete in all respect.				
	Diffusers/Grills	1,500	SqFt	2,695	4,042,500
	VCD	300	SqFt	2,372	711,600
	Liner Slot Diffusers (4 Slot)	1,500	Rft	862	1,293,000
	Fresh Air Intake Louver	200	SqFt	1,617	323,400
16.10	**PIPING**				
	Supply & installation of MS Schedule 40 seamless Pipes for chilled water as mentioned in the drawing including all required pipe fittings etc Complete in all respect.				
	25 Ø	100	Rft	654	66,400
	32 Ø	400	Rft	801	320,400
	38 Ø	600	Rft	916	549,600
	50 Ø	1,200	Rft	1,155	1,386,000
	63 Ø	500	Rft	1,848	924,000
	75 Ø	300	Rft	2,310	693,000
	100 Ø	50	Rft	3,311	165,550
	125 Ø	200	Rft	3,850	770,000
	150 Ø	800	Rft	4,620	3,696,000
16.11	**PIPING INSULATION**				
	Supply & installation of thick Pre-molded Fiber Glass (min Density: 24Kg/m3) pipe insulation as per specification complete in all respect				
	[illegible] Thickness [illegible]				
	25 Ø	100	Rft	162	16,200
	32 Ø	400	Rft	216	86,400
	38 Ø	600	Rft	269	161,400
	50 Ø	1,200	Rft	323	387,600
	[illegible] Thickness [illegible]				
	63 Ø	500	Rft	485	242,500
	75 Ø	300	Rft	647	194,100
	100 Ø	50	Rft	862	43,100

SMK CONSTRUCTION CO.

BILL NO. 16 - HVAC WORKS

S. No	Description	Qty	Unit	Rate	Amount
	[illegible]				
	125 Ø	200	Rft	1,078	215,600
	150 Ø	800	Rft	1,294	1,035,200
16.12	**PIPE CLADING**				
	Supply & installation of 26 guage sheet metal clading on chilled water insulated piping complete in all respects.				
	25 Ø	100	Rft	162	16,200
	32 Ø	400	Rft	189	75,600
	38 Ø	600	Rft	269	161,400
	50 Ø	1,200	Rft	323	387,600
	63 Ø	500	Rft	431	215,500
	75 Ø	300	Rft	593	177,900
	100 Ø	50	Rft	808	40,400
	125 Ø	100	Rft	970	97,000
	150 Ø	800	Rft	1,186	948,000
16.13	**VALVES & ACCESSORIES**				
	Supply and installation of valves & accessories of approved make as per drawings & specifications complete in all respect.				
(i)	Gate Valves				
	25 Ø	4	Nos.	5,390	21,560
	32 Ø	28	Nos.	8,470	237,160
	38 Ø	20	Nos.	10,010	200,200
	50 Ø	20	Nos.	14,629	292,580
	63 Ø	8	Nos.	30029	240,232
	75 Ø	4	Nos.	41,578	166,312
	100 Ø	4	Nos.	56,978	227,912
	125 Ø	15	Nos.	76,997	1,154,955
	150 Ø	4	Nos.	97,786	391,144
(ii)	Globe Valve				
	25 Ø	2	Nos.	7,700	15,400
	32 Ø	14	Nos.	11,011	154,154
	38 Ø	10	Nos.	14,937	149,370
	50 Ø	10	Nos.	24,023	240,230
	63 Ø	4	Nos.	41,578	166,312
	75 Ø	4	Nos.	49,894	199,576
	100 Ø	4	Nos.	67,295	269,180
	125 Ø	3	Nos.	98,864	296,592
	150 Ø	4	Nos.	136,284	545,136
(iii)	Strainers				
	25 Ø	2	Nos.	10,780	21,560
	32 Ø	14	Nos.	15,399	215,586
	38 Ø	10	Nos.	20,327	203,270
	50 Ø	15	Nos.	22,791	341,865
	63 Ø	4	Nos.	24,485	97,940
	75 Ø	5	Nos.	29,875	149,375
	125 Ø	6	Nos.	72,069	432,414
(vi)	Balancing Valves				
	25 Ø	2	Nos.	17,786	35,572
	32 Ø	14	Nos.	23,099	323,396
	38 Ø	10	Nos.	29,913	299,130
	50 Ø	10	Nos.	39,576	395,760
	63 Ø	4	Nos.	81,309	325,236
	125 Ø	2	Nos.	217,131	434,262

BILL NO. 16 - HVAC WORKS

S. No	Description	Qty	Unit	Rate	Amount
(v)	2 Way Motorized Valves				
	25 Ø	2	Nos.	18,479	36,958
	32 Ø	14	Nos.	23,099	323,386
	38 Ø	10	Nos.	27,719	277,190
	50 Ø	10	Nos.	38,498	384,980
	63 Ø	4	Nos.	92,396	369,584
(vi)	CheckValves				
	125 Ø	6	Nos.	66,989	413,934
(viii)	Air Vent	6	Nos.	38,498	230,988
16.14	**INSTRUMENT**				
	Supply & installation of measurement instruments complete with all accessories as per specifications complete in all respect.				
	Thermometers	64	Nos.	10,780	689,920
	Pressure Gauges	70	Nos.	10,780	754,600
16.15	**FIEXIBLE DUCT CONNECTOR**				
	Supply & installation of flexible duct connectors for different sections of supply & return ducts complete in all respect.	1	Job.	107,795	107,795
16.16	**DRAIN**				
	Supply & installation of Condensate drain UPVC piping with following sizes complete in all respect.				
	25 Ø	400	Rft	162	64,800
	32 Ø	400	Rft	189	75,600
	40 Ø	200	Rft	216	43,200
	50 Ø	200	Rft	269	53,800
16.17	**FLEXIBLE PIPE CONNECTOR**				
	Supply & installation of flexible connector (imported) for Chillers/Pumps/AHUs complete in all respect.				
	32 Ø	28	Nos.	6,144	172,032
	38 Ø	18	Nos.	8,624	155,232
	50 Ø	20	Nos.	9,702	194,040
	63 Ø	8	Nos.	12,364	98,912
	125 Ø	12	Nos.	20,805	249,660
16.18	**VENTILATION FANS**				
	Supply & Installition of ventilation fans for fresh/exhaust air as per schedule of equipment complete in all respect.				
	14000 CFM (Centrifugal Type)	8	Nos.	384,984	3,079,872
	25000 CFM (Centrifugal Type)	2	Nos.	769,968	1,539,936
	150 CFM (Propeller Fan)	1	Nos.	7,700	7,700
	300 CFM (Propeller Fan)	6	Nos.	9,240	55,440
	550 CFM (Propeller Fan)	2	Nos.	11,550	23,100
	600 CFM (Propeller Fan)	1	Nos.	11,550	11,550
	700 CFM (Propeller Fan)	2	Nos.	12,319	24,638
	1100 CFM (Propeller Fan)	2	Nos.	18,479	36,958
	1200 CFM (Propeller Fan)	2	Nos.	20,019	40,038
	1300 CFM (Propeller Fan)	1	Nos.	23,099	23,099
	1000 CFM (Tube Axial)	4	Nos.	15,399	61,596

SMX CONSTRUCTION CO.

BILL NO. 16 - HVAC WORKS

S. No	Description	Qty	Unit	Rate	Amount
16.19	**AIR CURTAINS** Supply & Installation of air curtains of approved make & size complete with wiring, fixing, making good all accessories ready to operate as per specifications. 4 Ft	4	Nos.	61,597	246,388
16.20	**PRESSURIZED EXPANSION TANK** Supply, installation testing and commissioning of insulated fiber glass pressurized expansion tank of required size and capacity including gate valve, check valve, float valve etc. complete in all respects ready to operate as pre schedule, specifications, drawing and as per instructions of Consultant	1	Job.	1,000,958	1,000,958
16.21	**CHEMICAL FEEDING EQUIPMENT** Supply & Installtion of chemical feeding equipment for chilled water suitable for operation with chemical as per specification complete in all respect.	1	Job.	615,974	615,974
16.22	**ELECTRICAL PANEL.** Supply & installation, testing and commissioning MCCs for all HVAC Equipments complete in all respect	1	Job.	1,077,955	1,077,955
16.23	**ELECTRIC WIRING.** Supply & installation of Power Cabling in PVC conduit from MCC to each AHU, FCU, including connectors, tagging of cables complete in all respect.	1	Job.	1,077,955	1,077,955
16.24	**BMS SYSTEM** Supply & Installation of Building Management System compatible with BACnet Controllers of complete HVAC system readily in operation as per requirement and consulatant instruction.	1	Job.	1,616,932	1,616,932
16.25	**HVAC CONTROLLERS** Supply & installation, testing and commissioning of HVAC controls for AHU, FCU, with all accessories complete in all respect.	1	Job.	1,616,932	1,616,932
16.26	**CABLE TRAY** Supply & installation of cable tray in 26 Gage G.I Sheet for Electric cable from MCC to different A/C equipments as per specifications.	1	Job.	215,591	215,591
16.27	**MINOR CIVIL WORK** Making C.C foundation for Chiller, Pumps, AHUs. Minor Civil work related to HVAC work including slab/wall opening, cutting, fixing and making good complete in all respect.	1	Job.	153,994	153,994
16.28	**Spare Parts** Spare parts of all equipment suitable for one year of operation as recommended by the manufacturers and list of spare parts to be supplied along with bid	1	Lot	769,968	769,968

BILL NO. 16 - HVAC WORKS

S. No	Description	Qty	Unit	Rate	Amount
16.29	**TESTING & COMMISSIONING** Testing commissioning & air/water balancing of complete A.C. System.	1	Job.	215,591	215,591
16.30	**SHOP DRAWINGS** Providing shop drawings/As built drawings.	1	Job.	53,898	53,898
16.31	**TEST RUN** One month test run.	1	Job.	107,795	107,795
16.32	**OPERATION & MAINTENANCE** Operation & Maintenance for 1 year.	1	Job.	1,539,935	1,539,935
16.33	**Contingency Items** Misc. Contingency items not mentioned or overlooked but required at site to complete & successful execution work as recommended by manufacturer time to time or as suggested by consultant.	1	Job.	923,961	923,961
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No. 16	12,838,395

SMK CONSTRUCTION CO.

SUMMARYOF REVERSE OSMOSIS PLANT
BILL OF QUANTITIES

Client : Project Director , Sindh Parliamentarians Residences
Project : Construction of Sindh Parliamentarians Residences
Contract No :

S.No.	SUB HEAD	BILL NO.	AMOUNT
1	DRILLING OF TUBE WELL	Bill No. 17-A	Rs. 2,485,725
2	DEVELOPMENT OF TUBE WELL	Bill No. 17-B	Rs. 15,463,957
3	MECHANICAL WORKS	Bill No. 17-C	Rs. 122,223,202
4	REVERSE OSMASIS PLANT	Bill No. 17-D	Rs. 35,108,371
	TOTAL AMOUNT OF BILL NO. 17		Rs.

(Rupees One Hundred Seventy-five Million, Two Hundred Eighty Three thousand, Two hundred fifty five only.)
(In Words)

CONTRACTOR

SMK CONSTRUCTION CO.

BILL NO. 17- A- DRILLING OF TUBE WELL

S. No	Description	Qty	Unit	Rate	Amount
1	Drilling in all kinds of soils, strata & rocks, taking of samples of different strata and water with 8 inch dia. bit including mobilization of all drilling machinery and equipment, material, accessories, staff & labour.				
a).	Depth from Ground Level up to 200 ft.	200	Rft	2,247	449,400
2	Collection of samples of sub-soil strata and water during drilling from different depths and all change of strata &carrying out sieve analysis of strata & testing water quality for TDS,TSS & pH through yeild kits for design of tube well on the basis of data obtained from field kits during drilling and compiling and submission of report including recommendations for suitability of conversion of bore hole into tube well and design of tube well piping for and strainers for each test hole separately for approval by Engineer.	15	No.	11,235	168,525
3	Testing of quality of water through water obtained from the tube well during pump test through approved laboratory as per WHO Drinking Water Standards and assessment of available quality and quantity of water and compiling the report for each bore hole. Five copies of report to be submitted for approval of engineer before construction of tube well.	1	Job	210,650	210,650
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount For 01 No. Hole	828,575
				Total Amount For 03 No. Hole	2,485,725

S.K. CONSTRUCTION CO.

BILL NO. 17- B- DEVELOPMENT OF TUBE WELL

S. No	Description	Qty	Unit	Rate	Amount
1	Enlargement of 12" diameter test bore hole after written approval of the engineer on the report of drilling, recommendation of convertion of borehole into tube well and design of tube well submitted by the contractor by reaming up to 18" diameter in all kinds of strata including all types of soils and rocks up to full required depth as approved by the Engineer.	200	Rft	2,809	561,800
2	Providing and Installation of 12" diameter uPVC Class E, pipe and strainer lowered into the bore hole including centralizer and bail plug up to the full depth as per approved design of tube well with clamps and all required accessories as per tube well log duly approved by Engineer complete in all respect.	200	Rft	3,511	702,200
3	Providing gravel shrouding around the casing pipe and strainer as per approved tube well log and as per requirement of contract and instructions of the engineer through pipe lowered up to the designed	200	Rft	147	29,400
4	Development of tube well with air compressor of adequate capacity till water becomes clear, free of silt and sand and turbidity and without any significant change in TDS and pH while measuring the flow and draw down in the tube well.	1	Job	351,084	351,084
5	Pumping test of the developed tube well as per requirement of specifications and/or period of time as per instructions of the engineer for yield of tube well including water sampling and testing for TDS,TSS and pH through field kits and for determination of safe yield of acceptable quality & quantity of water from the tube well. The contractor shall provide pump of adequate capacity varying from 100 to 200gpm or more with electric power generator of adequate capacity with fuel oil lubricants and all accessories materials staff and labour and required instruments for measurement of water quality and quantity complete in all respects.	1	Job	912,818	912,818
6	Construction of two piezometer wells near each tube well constructed and developed up to depth as per specifications and instructions of the Engineer including drilling bore hole of 8" diameter and installation of casing and strainer 4" diameter of uPVC Pipe class D along with gravel shrouding similar to construction of tube well but without testing complete in all respect (Provisional)	600	Rft.	4,213	2,527,800
7	Construction of Concrete foundation with M.S. capping as shown in drawing over the casing pipe of tube well and also for piezometers (2 No. near each tube well) co...plete in all respect.	1	Job	70,217	70,217

SMK CONSTRUCTION CO.

BILL NO. 17- B- DEVELOPMENT OF TUBE WELL .

S. No	Description	Qty	Unit	Rate	Amount
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount For 01 No. Hole	5,155,319
				Total Amount For 03 No. Hole	15,465,957

S.M.K CONSTRUCTION CO.

BILL NO. 17- C- MECHANICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
1	Supply & fix, Galvanized M.S Cover & frame 750mm x 750mm x 3/8" rectangular with 2" x 2" x 1/4" Angle iron frame fixed in (Roof Opening) i/c painting with anticorrosive paint, a coat of red zinc paint complete as per drawings direction of the Engineer.	53	Kg.	177	9,381
2	Supply & fix, Galvanized M.S Cover & frame 600mm x 600mm x 3/8" rectangular with 2" x 2" x 1/4" Angle iron frame fixed in (Roof Opening) i/c painting with anticorrosive paint, a coat of red zinc paint complete as per drawings direction of the Engineer.	210	Kg.	177	37,170
4	Providing and fixing manual chain pully block capacity 2 tons complete as per direction of the Engineer.	1	Nos.	70,217	70,217
5	Supply and fix, built up girders, ordinary and compound stanchion for wheel runs, platforms, gate/door coverings incl screws bolts and nuts etc, or welding in lieu of riveting etc.	105	Kg.	351	36,855
5	Supply and fixing stainless steel submersible pump 200 GPM capacity and 600 ft head including SS bowl assembly, submersible electric motor of suitable horse power, cable termination kit, MS riser pipes, MS top set i/c manifold, sluice valve, non return valve, safety valve, bore plate, pipe clamps, MS nipple, drop cable, electrode cable , SS electrode, GI motor jacket,& motor control panel with all accessories complete in all respect for a fully operating pump set as shown in drawings and directed by the Engineer.	1	Nos.	56,524,477	56,524,477
6	Providing & laying M.S pipe made out of M.S sheet 7.9 mm thick conforming to API 5L grade X-42 helical seam submerged arc welded carbon steel pipe with externally coated of 3-layer polyethylene and epoxy coated internally conforming to B.S specification including jointing, Flanges, Gaskit, testing etc complete in all respect and as per direction of the Engineer.				
a)	M.S Pipe 12" Dia	350	Rft.	11,235	3,932,250
12	Sluice Valve, according to BSS-5150/5163, PN-16 Class 150 Lbs flanged and drilled to BS, complete with rubber packing, supply and fixing.				
a)	12" Dia	1	Nos.	372,149	372,149

SMK CONSTRUCTION CO.

BILL NO. 17- C- MECHANICAL WORKS

S. No	Description	Qty	Unit	Rate	Amount
19	Providing R.C.C chambers 0.91 x 0.91 m (inside dimension) x 1.68m deep as per approved design for valves , with Reinforced Class A1 concrete precast top slab 150mm thick, 200mm thick Reinforced Class A1 Concrete walls, Reinforced Class A1 150mm thick in foundation over 100mm thick lean concrete, two coats of bitumen coating on outer surface in contact with earth, including excavation, dewatering of sub soil water if required, back filling with suitable excavated materials around chamber, cost of reinforcement to be paid separately, complete as per drawing and directions of the Engineer. Cost of cartage from yard to site of work precast covers and fixing in position deemed to be included in the rates. All suitable excavated surplus material to be re-used in shoulder area of embankment.	1	Nos.	49,152	49,152
20	Providing & laying **Deformed steel reinforcement** bars having minimum yield stress of 60,000 psi with and including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown over the drawings, placing in position on precast chairs of cement concrete Class A1 or MS chairs, tying with binding wire in all kinds of RCC work. Cost of chair and wires etc. deemed to be included in the rates and will not be paid separately.	650	Kg	123	79,950
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount For 01 No.	61,111,601
				Total Amount For 02 No.	122,223,202

SMK CONSTRUCTION CO.

BILL NO. 17- D- REVERSE OSMASIS PLANT

S. No	Description	Qty	Unit	Rate	Amount
	Reverse Osmosis Plant Supply Design, Supply / Installation, Commissioning of Reverse Osmosis Filtration Plants (European / USA Origin) to provide 150,000 IGPD treated water in accordance with WHO drinking water guidelines for inflow of TDS 5000 ppm with all electric work including connection. Plant design will be based on values obtained after reconfirmation of ground water quality of bore-well from approved laboratory. The plants will be provided with all pre-filtration and pre & post dosing, high and low pressure pumping unit, backwashing, skid mounted with civil support foundations and all necessary control and monitoring system, including disposal of brine (rejected water) as per guidelines of SEPA. **Operation & Maintenance** Operation and maintenance of Reverse Osmosis Water Filtration Plants of 150,000 IGPD capacity (Product Water) including consumable material, spare parts, lubricants, dosing, Staff and other requirement for proper Operation and Maintenance of the Plant to supply product water as per WHO guidelines for Drinking Water. Energy will be provided by the Employer. (02 Years Operation and Maintenance inclusive of 01 year of Defect Liability Period).	1	Job.	35,108,371	35,108,371
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount For RO Plant	35,108,371

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BD-8
Appendix-D to Bid

BILL OF QUANTITIES

C. Daywork Schedule

General

1. Reference is made to Sub-Clause 52.4 of the General Conditions of Contract Part-I Work shall not be executed on a day work basis except by written order of the Engineer. Bidders shall enter basic rates for Daywork items in the Schedules, which rates shall apply to any quantity of Daywork ordered by the Engineer. Nominal quantities have been indicated against each item of Daywork, and the extended total for Daywork shall be carried forward to the Bid Price.

Daywork Labour

2. In calculating payments due to the Contractor for the execution of Dayworks, the actual numbers of classes of labour directly doing the Daywork ordered by the Engineer and for which they are competent to perform will be measured, excluding meal breaks and rest periods. The time of gangers (charge hands) actually doing work with the gang will also be measured but not the time of foreman or other supervisory personnel.

3. The Contractor shall be entitled to payment in respect of the total time that labour is employed on Dayworks calculated at the basic rates entered by him in the Schedule of Daywork Rates for labour, together with an additional percentage payment on basic rates representing the Contractor's profit, overheads, etc., as described below:

a) the basic rates for labour shall cover all direct costs to the Contractor, including (but not limited to) the amount of wages paid to such labour, transportation time, overtime, subsistence allowances and any sums paid to or on behalf of such labour for social benefits in accordance with Pakistan law. The basic rates will be payable in local currency only; and

b) the additional percentage payment to be quoted by the Bidder and applied to costs incurred under (a) above shall be deemed to cover the Contractor's profit, overheads, superintendence, liabilities and insurances and allowances to labour timekeeping and clerical and office work; the use of consumable stores, water, lighting and power; the use and repair of stagings, scaffolding, workshops and stores, portable power tools, manual plant and tools; supervision by the Contractor's staff, foremen and other supervisory personnel; and charges incidental to the foregoing.

NOT APPLICABLE

BD-08 to BD-15 of Standard Form of Bidding Documents for Procurement of Civil Works are deleted being Not Applicable.

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BE-1
Appendix-E to Bid

PROPOSED CONSTRUCTION SCHEDULE

Pursuant to Sub-Clause 43.1 of the General Conditions of Contract, the Works shall be completed on or before the date stated in Appendix-A to Bid. The Bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart and Primavera (level III) showing the sequence of work items by which he proposes to complete the work of the entire Contract. The programme should indicate the sequence of work items and the period of time during which he proposes to complete the Works including the activities like designing, schedule of submittal of drawings, ordering and procurement of materials, manufacturing, delivering, construction of civil works, erection, testing and commissioning of Works to be supplied under the Contract.

A separate Bar Chart Showing monthly percentage progress showing major activities related to Cost of Project as per Specimen below be attached which will be considered as "Scheduled Progress" throughout the currency of Contract unless revised with the approval of Client.

S/No.	Activity	Months								
		1	2	3	4	5	-	-	-	36
	ABC									
	XYZ									
Percentage Scheduled Progress		5%	10%	12%	18%	20%	-	-	-	100%

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BG-1
Appendix-G to Bid

LIST OF MAJOR EQUIPMENT - RELATED ITEMS

The Bidder will provide a list of all major equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the Works. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.

LIST OF MAJOR EQUIPMENT

Owned Purchased or Leased	Description of Unit (Make, Model, Year)	Capacity HP Rating	Condition	Present Location or Source	Date of Delivery at Site	Period of Work on Project
1	2	3	4	5	6	7
a. Owned						
b. To be Purchased						
c. To be arranged on Lease						

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BH-1
Appendix-H to Bid

CONSTRUCTION CAMP AND HOUSING FACILITIES

The Contractor in accordance with Clause 34 of the Conditions of Contract shall provide description of his construction camp's facilities and staff housing requirements.

The Contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the Contractor's construction camp.

The Bidder shall list or explain his plans for providing these facilities for the service of the Contract as follows:

1. Site Preparation (clearing, land preparation, etc.).

2. Provision of Services.

   a) Power (expected power load, etc.).
   b) Water (required amount and system proposed).
   c) Sanitation (sewage disposal system, etc.).

3. Construction of Facilities

   a) Contractor's Office, Workshop and Work Areas (areas required and proposed layout, type of construction of buildings, etc.).
   b) Warehouses and Storage Areas (area required, type of construction and layout).
   c) Housing and Staff Facilities (Plans for housing for proposed staff, layout, type of construction, etc.).

4. Construction Equipment Assembly and Preparation (detailed plans for carrying out this activity).

5. Other Items Proposed (Security services, etc.). The Contractor should mention here what are his proposed environmental measures for the project as per EPA rules like treatment of wastewater and water quality etc. The Contractor shall submit a detailed EMP (Environmental Management Plan) to describe how materials are removed from site and disposed off at a safe location, prevention for the contamination of ground and surface water in neighboring areas etc. including remedial measures for adoption.

6. Detail of testing Lab with testing equipment etc.

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BJ-1
Appendix-J to Bid

ESTIMATED PROGRESS PAYMENTS

Bidder's estimate of the value of work which would be executed by him during each of the periods stated below, based on his Programme of the Works and the Rates in the Bill of Quantities, expressed in thousands of Pakistani Rupees:

Month	Amounts (1,000 Rs.)
1	2
1st Quarter	
2nd Quarter	
3rd Quarter	
4th Quarter	
.....	
.....	
.....	
Bid Price	

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BL-1
Appendix-L to Bid

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS. 10.00 MILLION OR MORE

Contract No._____ Dated _____
Contract Value: _____
Contract Title: _____

..... [name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Buyer: .....
Signature: .....
[Seal]

Name of Seller/Supplier: .....
Signature: .....
[Seal]

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BN-1
Appendix-N to Bid

PAST PERFORMANCE, CURRENT COMMITMENT, QUALIFICATION AND EXPERIENCE

1) General Construction Experience

Requirement	Bidder to provide details	Role
Experience under construction contracts in the role of contractor, subcontractor, or management contractor for at least the last 5 years prior to the bid submission deadline		

2) Contracts of Similar Size and Nature

Requirement	Bidder to provide specific details	Role
Participation as contractor, management contractor, or subcontractor, in at least 2 Contracts within the last 5 years, each with a value of at least Rs . . . . . that has been successfully or is substantially completed and that are similar to the proposed works. The similarity shall be based on the physical size, complexity, methods, technology or other characteristics as indicated in these Bidding Documents.		

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BN-3
Appendix-N to Bid

4) Data regarding past performance and present commitment of the Bidders:

Present Commitment								
Sr. No.	Name of ongoing projects	Name of Employer	Date of		Progress		Remark regarding delays if applicable	Satisfactory performance certificate from Employer (Minimum requirement)
			Start	Completion	%Age as Planned	%Age as Planned		

Number of projects that a bidder can undertake to construct as per PEC works by laws is aggregate Professional Credit Points (PCPs) authorized for a category of licensee divided by the PCP of construction and capital cost of single project under consideration.

For example C-3 category contractor should have a minimum of 15 PCPs as per table „A" below from the Bye Laws/S.R.O. 568(I)/87 at all times and the PCP of individual project (costing say 100 million rupees) is 5 calculated on the basis of 1 PCP for every 20 million project cost. It means the contractor can have ongoing projects up to 3 (15 ÷ 5) number of this size.

Table A:-

Contractor' Category	Limit of Construction Cost of Project (Million rupees)	Average annual value of work for last 3 years (million rupees)	Largest project value during last 5 years (Million rupees)	Paid up capital or net/capital worth (million rupees)	Minimum requirement of professional credit points (PCP credit)
C-3	Upto 100	10	20	5	15

The evaluation of the personnel shall be carried out as per PEC Engineering Bye Laws 1987 and review his qualification accordingly. PCP/ minimum requirement of staff required for the contractor's works in hand should be in accordance with the provisions of PEC's works byelaws. For example, subject to the other conditional points and limits, a single registered Engineer is given 1 PCP for each year of experience in the construction and operation of engineering works (subject to a minimum of 10 PCPs and maximum of 30 PCPs). The contractor setup has to meet the minimum PCP requirements all time during the currency of the contract for engineering staff to be deployed/ already deployed.

FORMS

- BID SECURITY
- FORM OF PERFORMANCE SECURITY
- FORM OF CONTRACT AGREEMENT
- FORM MOBILIZATION ADVANCE GUARANTEE/BOND
    - INDEMNITY BOND FOR SECURED ADVANCE AGAINST MATERIAL BROUGHT AT SITE

BID SECURITY

Security Executed on _____
(Date)

Name of Surety (Bank) with Address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address _____

_____

Penal Sum of Security Rupees _____ (Rs. _____)

Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto _____ (hereinafter called the 'Employer') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying Bid dated _____ for Bid No. _____ for_____(Particulars of Bid) to the said Employer; and

WHEREAS, the Employer has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Employer, conditioned as under:

(1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Surety is hereby waived;

(2) that the Bid Security of unsuccessful Bidders will be returned by the Employer after expiry of its validity or upon signing of the Contract Agreement; and

(3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement for such work and furnish the required Performance Security, the entire said sum be paid immediately to the said Employer pursuant to Clause 15.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Employer in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Employer for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Surety shall forthwith pay the Employer the said sum upon first written demand of the Employer (without cavil or argument) and without requiring the Employer to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Employer by registered post duly addressed to the Surety at its address given above.

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PROVIDED ALSO THAT the Employer shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the Employer forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

SURETY

WITNESS:

Signature _____

1. _____

Name _____

_____

Title _____

Corporate Secretary (Seal)

Corporate Guarantor (Seal)

2. _____

_____

Name, Title & Address

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FORM OF PERFORMANCE SECURITY

Guarantee No._____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Employer]

Name of Guarantor (Bank) with address:_____
(Scheduled Bank in Pakistan)

Name of Principal (Contractor) with address: _____
Penal Sum of Security (express in words and figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the Employer) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Employer, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the Employer's above said Letter of Acceptance for _____ (Name of Contract) for the _____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defences under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer without delay upon the Employer's first written demand without cavil or arguments and without requiring the Employer to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Employer's designated Bank & Account Number.

PROVIDED ALSO THAT the Employer shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Employer forthwith and without any reference to the Principal or any other person.

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IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

_____
Guarantor

Witness:
1. _____

_____
Corporate Secretary (Seal)

2. _____

_____
Name, Title & Address

Signature _____

Name _____

Title _____

_____
Corporate Guarantor (Seal)

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FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of_____(month) 2014 between _____ (hereafter called the "Employer") of the one part and _____ (hereafter called the "Contractor") of the other part.

WHEREAS the Employer is desirous that certain Works, viz _____ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnesseth as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents after incorporating addenda / Clarification as agreed or otherwise, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Contract, viz:

   (a) The Contract Agreement;
   (b) The Letter of Acceptance;
   (c) The completed Form of Bid;
   (d) Special Stipulations (Appendix-A to Bid);
   (e) Specification - Special Provision
   (f) The Particular Conditions of Contract - Part II;
   (g) The General Conditions – Part I;
   (h) The priced Bill of Quantities (Appendix-D to Bid);
   (i) The completed Appendices to Bid (B, C, E to O);
   (j) The Drawings;
   (k) Specifications - Technical Provisions
   (l) _____ (any other)

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor

(Seal)

Signature of Employer

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

_____

(Name, Title and Address)

Witness:

_____

(Name, Title and Address)

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MOBILIZATION ADVANCE GUARANTEE

Guarantee No._____ Date _____

WHEREAS _____(hereinafter called the 'Employer') has entered into a Contract for _____ (Particulars of Contract) with _____ (hereinafter called the "Contractor").

AND WHEREAS, the Employer has agreed to advance to the Contractor, at the Contractor's request, an amount of Rupees _____ (Rs _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS, the Employer has asked the Contractor to furnish Guarantee to secure the mobilization advance for the performance of his obligations under the said Contract.

AND WHEREAS, _____ (Scheduled Bank in Pakistan or Insurance Company acceptable to the Employer) (hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the Employer agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW, THEREFORE, the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails and commits default in fulfilment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Employer for payment not exceeding the aforementioned amount.

Notice in writing of any default of which the Employer shall be the sole and final judge, on the part of the Contractor, shall be given by the Employer to the Guarantor, and on such first written demand, payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

This Guarantee shall remain in force until the advance is fully adjusted against payments from the Interim Payment Certificates of the Contractor or until _____ (Date) whichever is earlier.

The Guarantor's liability under this Guarantee shall not in any case exceed the sum of Rupees _____(Rs _____).

This Guarantee shall remain valid up to the aforesaid date and shall be null and void after the aforesaid date or earlier if the advance made to the Contractor is fully adjusted against payments from Interim Payment Certificates of the Contractor provided that the Guarantor agrees that the aforesaid period of validity shall be deemed to be extended if on the above mentioned date the advance payment is not fully adjusted.

GUARANTOR

1. Signature _____
2. Name _____
3. Title _____

WITNESS

1. _____
   Corporate Secretary (Seal)

2. _____
   (Name Title & Address)

_____
Corporate Guarantor (Seal)

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INDEMINITY BOND
FOR SECURED ADVANCE
AGAINST MATERIALS BROUGHT AT SITE
(ON RS.40 NONJUDICIAL STAMP PAPER)

This Deed of Indemnity is issued by M/s. _____ *(Name of the Contractor)* in favour of *M/s.*_____ *(Name of the Employer)*

Whereas _____ (hereinafter called the Employer) has paid the Secured Advance against the cost of material through any Bank or like agency by any other method by virtue of the terms of the contract existing between the parties. The details of the material and their price for which secured advance is being sought for the period _____ till consumption of the material is as under:

1. _____ at Rs. _____ per _____ = Rs.
2. _____ at Rs. _____ per _____ = Rs.
3. _____ at Rs. _____ per _____ = Rs.
4. _____ at Rs. _____ per _____ = Rs.

THEREFORE THIS DEED OF INDEMNITY WITHNESSETH AS FOLLOWS:

I/We _____ of M/s. _____ do hereby indemnify M/s _____ for all losses due to thefts, arson, pilferage, loss due to flood and inundation, shortage, deterioration and depreciation etc. through any act of Man or God or slump in the Market of any or all the materials financed or paid by the Employer on our request for financing payment against material.

I/We _____ shall indemnify _____ against any or all claims, action, damages arising out of or resulting to the said material.

I/We _____ further declare that we will faithfully abide by the above declaration and solemnly affirm that we will not remove, sell, pilferage any of the materials against which M/s. _____ has paid us such a secured advance and will not pledge the same with any Bank, Finance Corporation, Firm, Company, Individual or the like agency or create any charge thereon in any from what so ever.

I/We _____ do hereby also declare that in the event of my/our infringement of the declaration made above _____ will be entitled to forfeit all such material and also proceed against me/us according to the relevant clause pertaining to breach of contract and further invoke the power or seek any remedies secured of _____ under the contract Agreement signed with us or otherwise available under law

Place _____ Dated _____

Contractor _____

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Not Applicable

PART I -
GENERAL CONDITIONS OF CONTRACT

FEDERATION INTERNATIONAL DES INGENIEURS-CONSEILS

CONDITIONS OF CONTRACT FOR WORKS OF CIVIL ENGINEERING CONSTRUCTION

PART I GENERAL CONDITIONS
WITH FORMS OF TENDER AND AGREEMENT

FOURTH EDITION 1987
Reprinted 1988 with editorial amendments
Reprinted in 1992 with further amendments

SMK CONSTRUCTION CO.

CONTENTS

PART I: GENERAL CONDITIONS

Definitions and Interpretation

1.1 Definitions
1.2 Headings and Marginal Notes
1.3 Interpretation
1.4 Singular and Plural
1.5 Notices, Consents, Approvals, Certificates and Determinations

Engineer and Engineer's Representative

2.1 Engineer's Duties and Authority
2.2 Engineer's Representative
2.3 Engineer's Authority to Delegate
2.4 Appointment of Assistants
2.5 Instructions in Writing
2.6 Engineer to Act Impartially

Assignment and Subcontracting

3.1 Assignment of Contract
4.1 Subcontracting
4.2 Assignment of Subcontractors' Obligations

Contract Documents

5.1 Language/s and Law
5.2 Priority of Contract Documents
6.1 Custody and Supply of Drawings and Documents
6.2 One Copy of Drawings to be Kept on Site
6.3 Disruption of Progress
6.4 Delays and Cost of Delay of Drawings
6.5 Failure by Contractor to Submit Drawings
7.1 Supplementary Drawings and Instructions
7.2 Permanent Works Designed by Contractor
7.3 Responsibility Unaffected by Approval

General Obligations

8.1 Contractor's General Responsibilities
8.2 Site Operations and Methods of Construction
9.1 Contract Agreement
10.1 Performance Security
10.2 Period of Validity of Performance Security
10.3 Claims under Performance Security
11.1 Inspection of Site
12.1 Sufficiency of Tender
12.2 Not Foreseeable Physical Obstructions or Conditions

SMK CONSTRUCTION CO.

13.1 Work to be in Accordance with Contract
14.1 Programme to be Submitted
14.2 Revised Programme
14.3 Cash Flow Estimate to be Submitted
14.4 Contractor not Relieved of Duties or Responsibilities
15.1 Contractor's Superintendence
16.1 Contractor's Employees
16.2 Engineer at Liberty to Object
17.1 Setting-out
18.1 Boreholes and Exploratory Excavation
19.1 Safety, Security and Protection of the Environment
19.2 Employer's Responsibilities
20.1 Care of Works
20.2 Responsibility to Rectify Loss or Damage
20.3 Loss or Damage Due to Employer's Risks
20.4 Employer's Risks
21.1 Insurance of Works and Contractor's Equipment
21.2 Scope of Cover
21.3 Responsibility for Amounts not Recovered
21.4 Exclusions
22.1 Damage to Persons and Property
22.2 Exceptions
22.3 Indemnity by Employer
23.1 Third Party Insurance (including Employer's Property)
23.2 Minimum Amount of Insurance
23.3 Cross Liabilities
24.1 Accident or Injury to Workmen
24.2 Insurance Against Accident to Workmen
25.1 Evidence and Terms of Insurances
25.2 Adequacy of Insurances
25.3 Remedy on Contractor's Failure to Insure
25.4 Compliance with Policy Conditions
26.1 Compliance with Statutes, Regulations
27.1 Fossils
28.1 Patent Rights
28.2 Royalties
29.1 Interference With Traffic and Adjoining Properties
30.1 Avoidance of Damage to Roads
30.2 Transport of Contractor's Equipment or Temporary Works
30.3 Transport of Materials or Plant
30.4 Waterborne Traffic
31.1 Opportunities for Other Contractors
31.2 Facilities for Other Contractors
32.1 Contractor to Keep Site Clear
33.1 Clearance of Site on Completion

Labour

34.1 Engagement of Staff and Labour
35.1 Returns of Labour and Contractor's Equipment

Materials, Plant and Workmanship

36.1 Quality of Materials, Plant and Workmanship
36.2 Cost of Samples
36.3 Cost of Tests
36.4 Cost of Tests not Provided for
36.5 Engineer's Determination where Tests not Provided for
37.1 Inspection of Operations
37.2 Inspection and Testing
37.3 Dates for Inspection and Testing
37.4 Rejection
37.5 Independent Inspection
38.1 Examination of Work before Covering up
38.2 Uncovering and Making Openings
39.1 Removal of Improper Work, Materials or Plant
39.2 Default of Contractor in Compliance

Suspension

40.1 Suspension of Work
40.2 Engineer's Determination following Suspension
40.3 Suspension lasting more than 84 Days

Commencement and Delays

41.1 Commencement of Works
42.1 Possession of Site and Access Thereto
42.2 Failure to Give Possession
42.3 Rights of Way and Facilities
43.1 Time for Completion
44.1 Extension of Time for Completion
44.2 Contractor to Provide Notification and Detailed Particulars
44.3 Interim Determination of Extension
45.1 Restriction on Working Hours
46.1 Rate of Progress
47.1 Liquidated Damages for Delay
47.2 Reduction of Liquidated Damages
48.1 Taking-Over Certificate
48.2 Taking-Over of Sections or Parts
48.3 Substantial Completion of Parts
48.4 Surfaces Requiring Reinstatement

Defects Liability

49.1 Defects Liability Period
49.2 Completion of Outstanding Work and Remedying Defects
49.3 Cost of Remedying Defects
49.4 Contractor's Failure to Carry Out Instructions
50.1 Contractor to Search

SMK CONSTRUCTION CO.

Alterations, Additions and Omissions

51.1 Variations
51.2 Instructions for Variations
52.1 Valuation of Variations
52.2 Power of Engineer to Fix Rates
52.3 Variations Exceeding 15 percent
52.4 Daywork

Procedure for Claims

53.1 Notice of Claims
53.2 Contemporary Records
53.3 Substantiation of Claims
53.4 Failure to Comply
53.5 Payment of Claims

Contractor's Equipment, Temporary Works and Materials

54.1 Contractor's Equipment, Temporary Works and Materials; Exclusive Use for the Works.
54.2 Employer not Liable for Damage
54.3 Customs Clearance
54.4 Re-export of Contractor's Equipment
54.5 Conditions of Hire of Contractor's Equipment
54.6 Costs for the Purpose of Clause 63
54.7 Incorporation of Clause in Subcontracts
54.8 Approval of Materials not Implied

Measurement

55.1 Quantities
56.1 Works to be Measured
57.1 Method of Measurement
57.2 Breakdown of Lump Sum Items

Provisional Sums

58.1 Definition of "Provisional Sum"
58.2 Use of Provisional Sums
58.3 Production of Vouchers

Nominated Subcontractors

59.1 Definition of "Nominated Subcontractors"
59.2 Nominated Subcontractors; Objection to Nomination
59.3 Design Requirements to be Expressly Stated
59.4 Payments to Nominated Subcontractors
59.5 Certification of Payments to Nominated Subcontractors

Certificates and Payment

60.1 Monthly Statements
60.2 Monthly Payments
60.3 Payment of Retention Money
60.4 Correction of Certificates
60.5 Statement at Completion
60.6 Final Statement
60.7 Discharge
60.8 Final Payment Certificate
60.9 Cessation of Employer's Liability
60.10 Time for Payment
61.1 Approval only by Defects Liability Certificate
62.1 Defects Liability Certificate
62.2 Unfulfilled Obligations

Remedies

63.1 Default of Contractor
63.2 Valuation at Date of Termination
63.3 Payment after Termination
63.4 Assignment of Benefit of Agreement
64.1 Urgent Remedial Work

Special Risks

65.1 No Liability for Special Risks
65.2 Special Risks
65.3 Damage to Works by Special Risks
65.4 Projectile, Missile
65.5 Increased Costs arising from Special Risks
65.6 Outbreak of War
65.7 Removal of Contractor's Equipment on Termination
65.8 Payment if Contract Terminated

Release from Performance

66.1 Payment in Event of Release from Performance

Settlement of Disputes

67.1 Engineer's Decision
67.2 Amicable Settlement
67.3 Arbitration
67.4 Failure to Comply with Engineer's Decision

Notices

68.1 Notice to Contractor
68.2 Notice to Employer and Engineer
68.3 Change of Address

S.M.K CONSTRUCTION CO.

Default of Employer

69.1 Default of Employer
69.2 Removal of Contractor's Equipment
69.3 Payment on Termination
69.4 Contractor's Entitlement to Suspend Work
69.5 Resumption of Work

Changes in Cost and Legislation

70.1 Increase or Decrease of Cost
70.2 Subsequent Legislation

Currency and Rates of exchange

71.1 Currency Restrictions
72.1 Rates of Exchange
72.2 Currency Proportions
72.3 Currencies of Payment for Provisional Sums

REFERENCE TO PART II
INDEX
TENDER (NOT USED)
AGREEMENT (NOT USED)

PART I - GENERAL CONDITIONS

Definitions and Interpretation

1.1 **Definitions**

In the Contract (as hereinafter defined) the following words and expressions shall have the meanings hereby assigned to them, except where the context otherwise requires:

(a) (i) "Employer" means the person named as such in Part II of these Conditions and the legal successors in title to such person, but not (except with the consent of the Contractor) any assignee of such person.

(ii) "Contractor" means the person whose tender has been accepted by the Employer and the legal successors in title to such person, but not (except with the consent of the Employer) any assignee of such person.

(iii) "Subcontractor" means any person named in the Contract as a Subcontractor for a part of the Works or any person to whom a part of the Works has been subcontracted with the consent of the Engineer and the legal successors in title to such person, but not any assignee of any such person.

(iv) "Engineer" means the person appointed by the Employer to act as Engineer for the purposes of the Contract and named as such in Part II of these Conditions.

(v) "Engineer's Representative" means a person appointed from time to time by the Engineer under Sub-Clause 2.2.

(b) (i) "Contract" means these Conditions (Parts I and II), the Specification, the Drawings, the Bill of Quantities, the Tender, the Letter of Acceptance, the Contract Agreement (if completed) and such further documents as may be expressly incorporated in the Letter of Acceptance or Contract Agreement (if completed).

(ii) "Specification" means the specification of the Works included in the Contract and any modification thereof or addition thereto made under Clause 51 or submitted by the Contractor and approved by the Engineer.

(iii) "Drawings" means all drawings, calculations and technical information of a like nature provided by the Engineer to the Contractor under the Contract and all drawings, calculations, samples, patterns, models, operation and maintenance manuals and other technical information of a like nature submitted by the Contractor and approved by the Engineer.

(iv) "Bill of Quantities" means the priced and completed bill of quantities forming part of the Tender.

(v) "Tender" means the Contractor's priced offer to the Employer for the execution and completion of the Works and the remedying of any defects therein in accordance with the provisions of the Contract, as accepted by the Letter of Acceptance.

SMK CONSTRUCTION CO.

(vi) "Letter of Acceptance" means the formal acceptance by the Employer of the Tender.

(vii) "Contract Agreement" means the contract agreement (if any) referred to in Sub-Clause 9.1.

(viii) "Appendix to Tender" means the appendix comprised in the form of Tender annexed to these Conditions.

(c) (i) "Commencement Date" means the date upon which the Contractor receives the notice to commence issued by the Engineer pursuant to Clause 41.

(ii) "Time for Completion" means the time for completing the execution of and passing the Tests on Completion of the Works or any Section or part thereof as stated in the Contract (or as extended under Clause 44) calculated from the Commencement Date.

(d) (i) "Tests on Completion" means the tests specified in the Contract or otherwise agreed by the Engineer and the Contractor which are to be made by the Contractor before the Works of any Section or part thereof are taken over by the Employer.

(ii) "Taking-Over Certificate" means a certificate issued pursuant to Clause 48.

(e) (i) "Contract Price" means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works and the remedying of any defects therein in accordance with the provisions of the Contract.

(ii) "Retention Money" means the aggregate of all monies retained by the Employer pursuant to Sub-Clause 60.2(a).

(iii) "Interim Payment Certificate" means any certificate of payment issued by the Engineer other than the Final Payment Certificate.

(iv) "Final Payment Certificate" means the certificate of payment issued by the Engineer pursuant to Sub-Clause 60.8.

(f) (i) "Works" means the Permanent Works and the Temporary Works or either of them as appropriate.

(ii) "Permanent Works" means the permanent works to be executed (including Plant) in accordance with the Contract.

(iii) "Temporary Works" means all temporary works of every kind (other than Contractor's Equipment) required in or about the execution and completion of the Works and the remedying of any defects therein.

(iv) "Plant" means machinery, apparatus and the like intended to form or forming part of the Permanent Works.

(v) "Contractor's Equipment" means all appliances and things of whatsoever nature

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(other than Temporary Works) required for the execution and completion of the Works and the remedying of any defects therein, but does not include Plant, materials or other things intended to form or forming part of the Permanent Works.

(vi) "Section" means a part of the Works specifically identified in the Contract as a Section.

(vii) "Site" means the places provided by the Employer where the Works are to be executed and any other places as may be specifically designated in the Contract as forming part of the Site.

(g) (i) "cost" means all expenditure properly incurred or to be incurred, whether, on or off the Site, including overhead and other charges properly allocable thereto but does not include any allowance for profit.

(ii) "day" means calendar day.

(iii) "foreign currency" means a currency of a country other than that in which the Works are to be located.

(iv) "writing" means any hand-written, type-written, or printed communication, including telex, cable and facsimile transmission.

1.2 **Headings and Marginal Notes**

The headings and marginal notes in these Conditions shall not be deemed part thereof or be taken into consideration in the interpretation or construction thereof or of the Contract.

1.3 **Interpretation**

Words importing persons or parties shall include firms and corporations and any organization having legal capacity.

1.4 **Singular and Plural**

Words importing the singular only also include the plural and vice versa where the context requires.

1.5 **Notices, Consents, Approvals, Certificates and Determinations**

Wherever in the Contract provision is made for the giving or issue of any notice, consent, approval, certificate or determination by any person, unless otherwise specified such notice, consent, approval, certificate or determination shall be in writing and the words "notify", "certify or "determine" shall be construed accordingly. Any such consent, approval, certificate or determination shall not unreasonably be withheld or delayed.

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Engineer and Engineer's Representative

2.1 Engineer's Duties and Authority

(a) The Engineer shall carry out the duties specified in the Contract.

(b) The Engineer may exercise the authority specified in or necessarily to be implied from the Contract, provided, however, that if the Engineer is required, under the terms of his appointment by the Employer, to obtain the specific approval of the Employer before exercising any such authority, particulars of such requirements shall be set out in Part II of these Conditions. Provided further that any requisite approval shall be deemed to have been given by the Employer for any such authority exercised by the Engineer.

(c) Except as expressly stated in the Contract, the Engineer shall have no authority to relieve the Contractor of any of his obligations under the Contract.

2.2 Engineer's Representative

The Engineer's Representative shall be appointed by and be responsible to the Engineer and shall carry out such duties and exercise such authority as may be delegated to him by the Engineer under Sub-Clause 2.3.

2.3 Engineer's Authority to Delegate

The Engineer may from time to time delegate to the Engineer's Representative any of the duties and authorities vested in the Engineer and he may at any time revoke such delegation. Any such delegation or revocation shall be in writing and shall not take effect until a copy thereof has been delivered to the Employer and the Contractor.

Any communication given by the Engineer's Representative to the Contractor in accordance with such delegation shall have the same effect as though it had been given by the Engineer. Provided that:

(a) any failure of the Engineer's Representative to disapprove any work, materials or Plant shall not prejudice the authority of the Engineer to disapprove such work, materials or Plant and to give instructions for the rectification thereof; and

(b) if the Contractor questions any communication of the Engineer's Representative he may refer the matter to the Engineer who shall confirm, reverse or vary the contents of such communication.

2.4 Appointment of Assistants

The Engineer or the Engineer's Representative may appoint any number of persons to assist the Engineer's Representative in the carrying out of his duties under Sub-Clause 2.2. He shall notify to the Contractor the names, duties and scope of authority of such persons. Such assistants shall have no authority to issue any instructions to the Contractor save in so far as such instructions may be necessary to enable them to carry out their duties and to secure their acceptance of materials, Plant or workmanship as being in accordance with the Contract, and any instructions given by any of them for the purposes shall be deemed to have been given by the Engineer's Representative.

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2.5 **Instructions in Writing**

Instructions given by the Engineer shall be in writing, provided that if for any reason the Engineer considers it necessary to give any such instruction orally, the Contractor shall comply with such instruction. Confirmation in writing of such oral instruction given by the Engineer, whether before or after the carrying out of the instruction, shall be deemed to be an instruction within the meaning of this Sub-Clause. Provided further that if the Contractor, within 7 days, confirms in writing to the Engineer any oral instruction of the Engineer and such confirmation is not contradicted in writing within 7 days by the Engineer, it shall be deemed to be an instructions of the Engineer.

The provisions of this Sub-Clause shall equally apply to instructions given by the Engineer's Representative and any assistants of the Engineer or the Engineer's Representative appointed pursuant to Sub-Clause 2.4.

2.6 **Engineer to Act Impartially**

Wherever, under the Contract, the Engineer is required to exercise his discretion by:

(a) giving his decision, opinion or consent,

(b) expressing his satisfaction or approval,

(c) determining value, or

(d) otherwise taking action which may affect the rights and obligations of the Employer or the Contractor

he shall exercise such discretion impartially within the terms of the Contract and having regard to all the circumstances. Any such decision, opinion, consent expression of satisfaction, or approval, determination of value or action may be opened up, reviewed or revised as provided in Clause 67.

Assignment and Subcontracting

3.1 **Assignment of Contract**

The Contractor shall not, without the prior consent of the Employer (which consent, notwithstanding the provisions of Sub-Clause 1.5, shall be at the sole discretion of the Employer), assign the Contract or any part thereof, or any benefit or interest therein or thereunder, otherwise than by:

(a) a charge in favour of the Contractor's bankers of any monies due or to become due under the Contract, or

(b) assignment to the Contractor's insurers (in cases where the insurers have discharged the Contractor's loss or liability) of the Contractor's right to obtain relief against any other party liable.

4.1 **Subcontracting**

The Contractor shall not subcontract the whole of the Works. Except where otherwise provided by the Contract, the Contractor shall not subcontract any part of the Works

SMK CONSTRUCTION CO.

without the prior consent of the Engineer. Any such consent shall not relieve the Contractor from any liability or obligation under the Contract and he shall be responsible for the acts, defaults and neglects of any Subcontractor, his agents, servants or workmen as fully as if they were the acts, defaults or neglects of the Contractor, his agents servants or workmen.

Provided that the Contractor shall not be required to obtain such consent for:

(a) the provision of labour,

(b) the purchase of materials which are in accordance with the standards specified in the Contract,

(c) the subcontracting of any part of the Works for which the Subcontractor is named in the Contract.

4.2 Assignment of Subcontractors' Obligations

In the event of a Subcontractor having undertaken towards the Contractor in respect of the work executed, or the goods, materials, Plant or services supplied by such Subcontractor, any continuing obligation extending for a period exceeding that of the Defects Liability Period under the Contract, the Contractor shall at any time, after the expiration of such Period, assign to the Employer, at the Employer's request and cost, the benefit of such obligation for the unexpired duration thereof.

Contract Documents

5.1 Language/s and Law

There is stated in Part II of these Conditions:

(a) the language or languages in which the Contract documents shall be drawn up, and

(b) the country or state the law of which shall apply to the Contract and according to which the Contract shall be construed.

If the said documents are written in more than one language, the language according to which the Contract shall be construed and interpreted is also stated in Part II of these Conditions, being therein designated the "Ruling Language".

5.2 Priority of Contract Documents

The several documents forming the Contract are to be taken as mutually explanatory of one another, but in case of ambiguities or discrepancies the same shall be explained and adjusted by the Engineer who shall thereupon issue to the Contractor instructions thereon and in such event, unless otherwise provided in the Contract, the priority of the documents forming the Contract shall be as follows:

(1) The Contract Agreement (if completed);
(2) The Letter of Acceptance;
(3) The Tender;
(4) Part II of these Conditions;
(5) Part I of these Conditions; and

(6) Any other document forming part of the Contract.

6.1 **Custody and Supply of Drawings and Documents**

The Drawings shall remain in the sole custody of the Engineer, but two copies thereof shall be provided to the Contractor free of charge. The Contractor shall make at his own cost any further copies required by him. Unless it is strictly necessary for the purposes of the Contract, the Drawings, Specification and other documents provided by the Employer or the Engineer shall not, without the consent of the Engineer, be used or communicated to a third party by the Contractor. Upon issue of the Defects Liability Certificate, the Contractor shall return to the Engineer all Drawings, Specification and other documents provided under the Contract.

The Contractor shall supply to the Engineer four copies of all Drawings, specification and other documents submitted by the Contractor and approved by the Engineer in accordance with Clause 7, together with a reproducible copy of any material which cannot be reproduced to an equal standard by photocopying. In addition the Contractor shall supply such further copies of such Drawings, Specification and other documents as the Engineer may request in writing for the use of the Employer, who shall pay the cost thereof.

6.2 **One Copy of Drawings to be Kept on Site**

One copy of the Drawings, provided to or supplied by the Contractor as aforesaid, shall be kept by the Contractor on the Site and the same shall at all reasonable times be available for inspection and use by the Engineer and by any other person authorised by the Engineer in writing.

6.3 **Disruption of Progress**

The Contractor shall give notice to the Engineer, with a copy to the Employer, whenever planning or execution of the Works is likely to be delayed or disrupted unless any further drawing or instruction is issued by the Engineer within a reasonable time. The notice shall include details of the drawing or instruction required and of why and by when it is required and of any delay or disruption likely to be suffered if it is late.

6.4 **Delay and Cost of Delay of Drawings**

If, by reason of any failure or inability of the Engineer to issue, within a time reasonable in all the circumstances, any drawing or instruction for which notice has been given by the Contractor in accordance with Sub-Clause 6.3, the Contractor suffers delay and/or incurs costs then the Engineer shall, after due consultation with the Employer and the Contractor, determine:

(a) any extension of time to which the Contractor is entitled under Clause 44, and

(b) the amount of such costs, which shall be added to the Contract Price, and shall notify the Contractor accordingly, with a copy to the Employer.

6.5 **Failure by Contractor to Submit Drawings**

If the failure or inability of the Engineer to issue any drawings or instructions is caused in

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whole or in part by the failure of the Contractor to submit Drawings, Specification or other documents which he is required to submit under the Contract, the Engineer shall take such failure by the Contractor into account when making his determination pursuant to Sub-Clause 6.4.

7.1 Supplementary Drawings and Instructions

The Engineer shall have authority to issue to the Contractor, from time to time, such supplementary Drawings and instructions as shall be necessary for the purpose of the proper and adequate execution and completion of the Works and the remedying of any defects therein. The Contractor shall carry out and be bound by the same.

7.2 Permanent Works Designed by Contractor

Where the Contract expressly provides that part of the Permanent Works shall be designed by the Contractor, he shall submit to the Engineer, for approval:

(a) such drawings, specifications, calculations and other information as shall be necessary to satisfy the Engineer as to the suitability and adequacy of that design, and

(b) operation and maintenance manuals together with drawings of the Permanent Works as completed, in sufficient detail to enable the Employer to operate, maintain, dismantle, reassemble and adjust the Permanent Works incorporating that design. The Works shall not be considered to be completed for the purposes of taking over in accordance with Clause 48 until such operation and maintenance manuals together with drawings on completion have been submitted to and approved by the Engineer.

7.3 Responsibility Unaffected by Approval

Approval by the Engineer, in accordance with Sub-Clause 7.2, shall not relieve the Contractor of any of his responsibilities under the Contract.

General Obligations

8.1 Contractor's General Responsibilities

The Contractor shall, with due care and diligence, design (to the extent provided for by the Contract), execute and complete the Works and remedy any defects therein in accordance with the provisions of the Contract. The Contractor shall provide all superintendance, labour, material, Plant, Contractor's Equipment and all other things, whether of a temporary or permanent nature, required in and for such design, execution, completion and remedying of any defects, so far as the necessity for providing the same is specified in or is reasonably to be inferred from the Contract.

8.2 Site Operations and Methods of Construction

The Contractor shall take full responsibility for the adequacy, stability and safety of all Site operations and methods of construction. Provided that the Contractor shall not be responsible (except as stated hereunder or as may be otherwise agreed) for the design or specification of Permanent Works, or for the design or specification of any Temporary Works not prepared by the Contractor. Where the Contract expressly provides that part of the Permanent Works shall be designed by the Contractor, he shall be fully responsible

SMK CONSTRUCTION CO.

for that part of such Works, notwithstanding any approval by the Engineer.

9.1 **Contract Agreement**

The Contractor shall, if called upon so to do, enter into and execute the Contract Agreement, to be prepared and completed at the cost of the Employer, in the form annexed to these Conditions with such modification as may be necessary.

10.1 **Performance Security**

If the Contract requires the Contractor to obtain security for his proper performance of the Contract, he shall obtain and provide to the Employer, such security within 28 days after the receipt of the Letter of Acceptance, in the sum stated in the Appendix to Tender. When providing such security to the Employer, the Contractor shall notify the Engineer of so doing. Such security shall be in the form annexed to these Conditions or in such other form as may be agreed between the Employer and the Contractor. The institution providing such security shall be subject to the approval of the Employer. The cost of complying with the requirements of this Clause shall be borne by the Contractor, unless the Contract otherwise provides.

10.2 **Period of Validity of Performance Security**

The performance security shall be valid until the Contractor has executed and completed the Works and remedied any defects therein in accordance with the Contract. No claim shall be made against such security after the issue of the Defects Liability Certificate in accordance with Sub-Clause 62.1 and such security shall be returned to the Contractor within 14 days of the issue of the said Defects Liability Certificate.

10.3 **Claims under Performance Security**

Prior to making a claim under the performance security the Employer shall, in every case, notify the Contractor stating the nature of the default in respect of which the claim is to be made.

11.1 **Inspection of Site**

The Employer shall have made available to the Contractor, before the submission by the Contractor of the Tender, such data on hydrological and sub-surface conditions as have been obtained by or on behalf of the Employer from investigations undertaken relevant to the Works but the Contractor shall be responsible for his own interpretation thereof.

The Contractor shall be deemed to have inspected and examined the Site and its surroundings and information available in connection therewith and to have satisfied himself (so far as is practicable, having regard to considerations of cost and time) before submitting his Tender, as to:

(a) the form and nature thereof, including the sub-surface conditions,

(b) the hydrological and climatic conditions,

(c) the extent and nature of work and materials necessary for the execution and completion of the Works and the remedying of any defects therein, and

SMK CONSTRUCTION CO.

(d) the means of access to the Site and the accommodation he may require,

and, in general, shall be deemed to have obtained all necessary information, subject as above mentioned, as to risks, contingencies and all other circumstances which may influence or affect his Tender.

The Contractor shall be deemed to have based his Tender on the data made available by the Employer and on his own inspection and examination, all as aforementioned.

12.1 **Sufficiency of Tender**

The Contractor shall be deemed to have satisfied himself as to the correctness and sufficiency of the Tender and of the rates and prices stated in the Bill of Quantities, all of which shall, except insofar as it is otherwise provided in the Contract, cover all his obligations under the Contract (including those in respect of the supply of goods, materials, Plant or services or of contingencies for which there is a Provisional Sum) and all matters and things necessary for the proper execution and completion of the Works and the remedying of any defects therein.

12.2 **Not Foreseeable Physical Obstructions or Conditions**

If, however, during the execution of the Works the Contractor encounters physical obstructions or physical conditions, other than climatic conditions on the Site, which obstructions or conditions were, in his opinion, not foreseeable by an experienced contractor, the Contractor shall forthwith give notice thereof to the Engineer, with a copy to the Employer. On receipt of such notice, the Engineer shall if in his opinion such obstructions or conditions could not have been reasonably foreseen by an experienced contractor, after due consultation with the Employer and the Contractor, determine:

(a) any extension of time to which the Contractor is entitled under Clause 44, and

(b) the amount of any costs which may have been incurred by the Contractor by reason of such obstructions or conditions having been encountered, which shall be added to the Contract Price,

and shall notify the Contractor accordingly, with a copy to the Employer. Such determination shall take account of any instruction which the Engineer may issue to the Contractor in connection therewith, and any proper and reasonable measures acceptable to the Engineer which the Contractor may take in the absence of specific instructions from the Engineer.

13.1 **Work to be in Accordance with Contract**

Unless it is legally or physically impossible, the Contractor shall execute and complete the Works and remedy any defects therein in strict accordance with the Contract to the satisfaction of the Engineer. The Contractor shall comply with and adhere strictly to the Engineer's instructions on any matter, whether mentioned in the Contract or not, touching or concerning the Works. The Contractor shall take instructions only from the Engineer (or his delegate).

14.1 **Programme to be Submitted**

The Contractor shall, within the time stated in Part II of these Conditions after the date of the Letter of Acceptance, submit to the Engineer for his consent a programme, in such form and detail as the Engineer shall reasonably prescribe, for the execution of the Works. The Contractor shall, whenever required by the Engineer, also provide in writing for his information a general description of the arrangements and methods which the Contractor proposes to adopt for the execution of the Works.

14.2 **Revised Programme**

If at any time it should appear to the Engineer that the actual progress of the Works does not conform to the programme to which consent has been given under Sub-Clause 14.1, the Contractor shall produce, at the request of the Engineer, a revised programme showing the modifications to such programme necessary to ensure completion of the Works within the Time for Completion.

14.3 **Cash Flow Estimate to be Submitted**

The Contractor shall, within the time stated in Part II of these Conditions after the date of the Letter of Acceptance, provide to the Engineer for his information a detailed cash flow estimate, in quarterly periods, of all payments to which the Contractor will be entitled under the Contract and the Contractor shall subsequently supply revised cash flow estimates at quarterly intervals, if required to do so by the Engineer.

14.4 **Contractor not Relieved of Duties or Responsibilities**

The submission to and consent by the Engineer of such programmes or the provision of such general descriptions or cash flow estimates shall not relieve the Contractor of any of his duties or responsibilities under the Contract.

15.1 **Contractor's Superintendence**

The Contractor shall provide all necessary superintendence during the execution of the Works and as long thereafter as the Engineer may consider necessary for the proper fulfilling of the Contractor's obligations under the Contract. The Contractor, or a competent and authorised representative approved of by the Engineer, which approval may at any time be withdrawn, shall give his whole time to the superintendence of the Works. Such authorised representative shall receive, on behalf of the Contractor, instructions from the Engineer.

If approval of the representative is withdrawn by the Engineer, the Contractor shall, as soon as is practicable, having regard to the requirement of replacing him as hereinafter mentioned, after receiving notice of such withdrawal, remove the representative from the Works and shall not thereafter employ him again on the Works in any capacity and shall replace him by another representative approved by the Engineer.

16.1 **Contractor's Employees**

The Contractor shall provide on the Site in connection with the execution and completion of the Works and the remedying of any defects therein:

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(a) only such technical assistants as are skilled and experienced in their respective callings and such foremen and leading hands as are competent to give proper superintendence of the Works, and

(b) such skilled, semi skilled and unskilled labour as is necessary for the proper and timely fulfilling of the Contractor's obligations under the Contract.

16.2 **Engineer at Liberty to Object**

The Engineer shall be at liberty to object to and require the Contractor to remove forthwith from the Works any person provided by the Contractor who, in the opinion of the Engineer, misconducts himself, or is incompetent or negligent in the proper performance of his duties, or whose presence on Site is otherwise considered by the Engineer to be undesirable, and such person shall not be again allowed upon the Works without the consent of the Engineer. Any person so removed from the Works shall be replaced as soon as possible.

17.1 **Setting-out**

The Contractor shall be responsible for:

(a) the accurate setting-out of the Works in relation to original points, lines and levels of reference given by the Engineer in writing,

(b) the correctness, subject as above mentioned of the position, levels dimensions and alignment of all parts of the Works, and

(c) the provision of all necessary instruments, appliances and labour in connection with the foregoing responsibilities.

If, at any time during the execution of the Works, any error appears in the position, levels, dimensions or alignment of any part of the Works, the Contractor, on being required so to do by the Engineer, shall, at his own cost, rectify such error to the satisfaction of the Engineer, unless such error is based on incorrect data supplied in writing by the Engineer, in which case the Engineer shall determine an addition to the Contract Price in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Employer.

The checking of any setting-out or of any line or level by the Engineer shall not in any way relieve the Contractor of his responsibility for the accuracy thereof and the Contractor shall carefully protect and preserve all bench-marks, sight-rails, pegs and other things used in setting-out the Works.

18.1 **Boreholes and Exploratory Excavation**

If, at any time during the execution of the Works, the Engineer requires the Contractor to make boreholes or to carry out exploratory excavation, such requirement shall be the subject of an instruction in accordance with Clause 51, unless an item or a Provisional Sum in respect of such work is included in the Bill of Quantities.

19.1 **Safety, Security and Protection of the Environment**

The Contractor shall, throughout the execution and completion of the Works and the remedying of any defects therein:

(a) have full regard for the safety of all persons entitled to be upon the Site and keep the Site (so far as the same is under his control) and the Works (so far as the same are not completed or occupied by the Employer) in an orderly state appropriate to the avoidance of danger to such persons,

(b) provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the Engineer or by any duly constituted authority, for the protection of the Works or for the safety and convenience of the public or others, and

(c) take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation.

19.2 **Employer's Responsibilities**

If under Clause 31 the Employer shall carry out work on the Site with his own workmen he shall, in respect of such work:

(a) have full regard to the safety of all persons entitled to be upon the Site, and

(b) keep the Site in an orderly state appropriate to the avoidance of danger to such persons.

If under Clause 31 the Employer shall employ other contractors on the Site he shall require them to have the same regard for safety and avoidance of danger.

20.1 **Care of Works**

The Contractor shall take full responsibility for the care of the Works and materials and Plant for incorporation therein from the Commencement Date until the date of issue of the Taking-Over Certificate for the whole of the Works, when the responsibility for the said care shall pass to the Employer. Provided that:

(a) if the Engineer issues a Taking-Over Certificate for any Section or part of the Permanent Works the Contractor shall cease to be liable for the care of that Section or part from the date of issue of the Taking-Over Certificate, when the responsibility for the care of that Section or part shall pass to the Employer, and

(b) the Contractor shall take full responsibility for the care of any outstanding Works and materials and Plant for incorporation therein which he undertakes to finish during the Defects Liability Period until such outstanding Works have been completed pursuant to Clause 49.

20.2 **Responsibility to Rectify Loss or Damage**

If any loss or damage happens to the Works, or any part thereof, or materials or Plant for

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incorporation therein, during the period for which the Contractor is responsible for the care thereof, from any cause whatsoever, other than the risks defined in Sub-Clause 20.4, the Contractor shall, at his own cost, rectify such loss or damage so that the Permanent Works conform in every respect with the provisions of the Contract to the satisfaction of the Engineer. The Contractor shall also be liable for any loss or damage to the Works occasioned by him in the course of any operations carried out by him for the purpose of complying with his obligations under Clauses 49 and 50.

20.3 **Loss or Damage Due to Employer's Risks**

In the event of any such loss or damage happening from any of the risks defined in Sub-Clause 20.4, or in combination with other risks, the Contractor shall, if and to the extent required by the Engineer, rectify the loss or damage and the Engineer shall determine an addition to the Contract Price in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Employer. In the case of a combination or risks causing loss or damage any such determination shall take into account the proportional responsibility of the Contractor and the Employer.

20.4 **Employer's Risks**

The Employer's risks are:

(a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,

(b) rebellion, revolution, insurrection, or military or usurped power, or civil war,

(c) ionising radiations, or contamination by radio-activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radio-active toxic explosive, or other hazardous properties of any explosive nuclear assembly or nuclear component thereof,

(d) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds,

(e) riot, commotion or disorder, unless solely restricted to employees of the Contractor or of his Subcontractor and arising from the conduct of the Works,

(f) loss or damage due to the use or occupation by the Employer of any Section or part of the Permanent Works, except as may be provided for in the Contract,

(g) loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible, and

(h) any operation of the forces of nature against which an experienced contractor could not reasonably have been expected to take precautions.

21.1 **Insurance of Works and Contractor's Equipment**

The Contractor shall, without limiting his or the Employer's obligations and responsibilities under Clause 20, insure:

SMK CONSTRUCTION CO.

(a) the Works, together with materials and Plant for incorporation therein, to the full replacement cost (the term "cost" in this context shall include profit),

(b) an additional sum of 15 per cent of such replacement cost, or as may be specified in Part II of these Conditions, to cover any additional costs of and incidental to the rectification of loss or damage including professional fees and the cost of demolishing and removing any part of the Works and of removing debris of whatsoever nature, and

(c) the Contractor's Equipment and other things brought onto the Site by the Contractor, for a sum sufficient to provide for their replacement at the Site.

21.2 **Scope of Cover**

The insurance in paragraphs (a) and (b) of Sub-Clause 21.1 shall be in the joint names of the Contractor and the Employer and shall cover:

(a) the Employer and the Contractor against all loss or damage from whatsoever cause arising, other than as provided in Sub-Clause 21.4, form the start of work at the Site until the date of issue of the relevant Taking-Over Certificate in respect of the Works or any Section or part thereof as the case may be, and

(b) the Contractor for his liability:

(i) during the Defects Liability Period for loss or damage arising from a cause occurring prior to the commencement of the Defects Liability Periods, and

(ii) for loss or damage occasioned by the Contractor in the course of any operations carried out by him for the purpose of complying with his obligations under Clauses 49 and 50.

21.3 **Responsibility for Amounts not Recovered**

Any amounts not insured or not recovered from the insurers shall be borne by the Employer or the Contractor in accordance with their responsibilities under Clause 20.

21.4 **Exclusions**

There shall be no obligation for the insurances in Sub-Clause 21.1 to include loss or damage caused by:

(a) war, hostilities (where war be declared or not), invasion, act of foreign enemies,

(b) rebellion, revolution, insurrection, or military or usurped power, or civil war,

(c) ionising, radiations, or contamination by radio-activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radio-active toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof, or

(d) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds.

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22.1 **Damage to Persons and Property**

The Contractor shall, except if and so far as the Contract provides otherwise, indemnify the Employer against all losses and claims in respect of:

(a) death of or injury to any person, or

(b) loss of or damage to any property (other than the Works),

which may arise out of or in consequence of the execution and completion of the Works and the remedying of any defects therein, and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect thereof or in relation thereto, subject to the exceptions defined in Sub-Clause 22.2.

22.2 **Exceptions**

The "exceptions" referred to in Sub-Clause 22.1 are:

(a) the permanent use or occupation of land by the Works, or any part thereof,

(b) the right of the Employer to execute the Works, or any part thereof, on, over, under, in or through any land,

(c) damage to property which is the unavoidable result of the execution and completion of the Works, or the remedying of any defects therein, in accordance with the Contract, and

(d) death of or injury to persons or loss of or damage to property resulting from any act or neglect of the Employer, his agents servants or other contractors not being employed by the Contractor, or in respect of any claims, proceedings, damages, costs, charges and expenses in respect thereof or in relation thereto or, where the injury or damage was contributed to by the Contractor, his servants or agents, such part of the said injury or damage as may be just and equitable having regard to the extent of the responsibility of the Employer, his servants or agents or other contractors for the injury or damage.

22.3 **Indemnity by Employer**

The Employer shall indemnify the Contractor against all claims, proceedings, damages, costs, charges and expenses in respect of the matters referred to in the exceptions defined in Sub-Clause 22.2

23.1 **Third Party Insurance (including Employer's Property)**

The Contractor shall, without limiting his or the Employer's obligation and responsibilities under Clause 22, insure, in the joint names of the Contractor and the Employer, against liabilities for death of or injury to any person (other than as provided in Clause 24) or loss of or damage to any property (other than the Works) arising out of the performance of the Contract, other than the exceptions defined in paragraphs (a), (b) and (c) of Sub-Clause 22.2.

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23.2 **Minimum Amount of Insurance**

Such insurance shall be for at least the amount stated in the Appendix to Tender.

23.3 **Cross Liabilities**

The insurance policy shall include a cross liability clause such that the insurance shall apply to the Contractor and to the Employer as separate insured.

24.1 **Accident or Injury to Workmen**

The Employer shall not be liable for or in respect of any damages or compensation payable to any workman or other person in the employment of the Contractor or any Subcontractor, other than death or injury resulting from any act or default of the Employer, his agents or servants. The Contractor shall indemnify and keep indemnified the Employer against all such damages and compensation, other than those for which the Employer is liable as aforesaid, and against all claims, proceedings, damages, costs, charges, and expenses whatsoever in respect thereof or in relation thereto.

24.2 **Insurance Against Accident to Workmen**

The Contractor shall insure against such liability and shall continue such insurance during the whole of the time that any persons are employed by him on the Works. Provided that, in respect of any persons employed by any Subcontractor, the Contractor's obligations to insure as aforesaid under the Sub-Clause shall be satisfied if the Subcontractor shall have insured against the liability in respect of such persons in such manner that the Employer is indemnified under the policy, but the Contractor shall require such Subcontractor to produce to the Employer, when required, such policy of insurance and the receipt for the payment of the current premium.

25.1 **Evidence and Terms of Insurances**

The Contractor shall provide evidence to the Employer prior to the start of work at the Site that the insurances required under the Contract have been effected and shall, within 84 days of the Commencement Date, provide the insurance policies to the Employer. When providing such evidence and such policies to the Employer, the Contractor shall notify the Engineer of so doing. Such insurance policies shall be consistent with the general terms agreed prior to the issue of the Letter of Acceptance. The Contractor shall effect all insurances for which he is responsible with insurers and in terms approved by the Employer.

25.2 **Adequacy of Insurances**

The Contractor shall notify the insurers of changes in the nature, extent or programme for the execution of the Works and ensure the adequacy of the insurances at all times in accordance with the terms of the Contract and shall, when required, produce to the Employer the insurance policies in force and the receipts for payment of the current premiums.

25.3 **Remedy on Contractor's Failure to Insure**

If the Contractor fails to effect and keep in force any of the insurances required under the

SMK CONSTRUCTION CO.

Contract, or fails to provide the policies to the Employer within the period required by Sub-Clause 25.1, then and in any such case the Employer may effect and keep in force any such insurances and pay any premium as may be necessary for that purpose and from time to time deduct the amount so paid from any monies due or to become due to the Contractor, or recover the same as a debt due from the Contractor.

25.4 **Compliance with Policy Conditions**

In the event that the Contractor or the Employer fails to comply with conditions imposed by the insurance policies effected pursuant to the Contract, each shall indemnify the other against all losses and claims arising from such failure.

26.1 **Compliance with Statutes, Regulations**

The Contractor shall conform in all respects, including by the giving of all notices and the paying of all fees, with the provisions of:

(a) any National or State Statute, Ordinance, or other Law, or any regulation, or bye-law of any local or other duly constituted authority in relation to the execution and completion of the Works and the remedying of any defects therein, and

(b) the rules and regulations of all public bodies and companies whose property or rights are affected or may be affected in any way by the Works,

and the Contractor shall keep the Employer indemnified against all penalties and liability of every kind for breach of any such provisions. Provided always that the Employer shall be responsible for obtaining any planning, zoning or other similar permission required for the Works to proceed and shall indemnify the Contractor in accordance with Sub-Clause 22.3.

27.1 **Fossil**

All fossils, coins, articles of value or antiquity and structures and other remains or things of geological or archaeological interest discovered on the Site shall, as between the Employer and the Contractor, be deemed to be the absolute property of the Employer. The Contractor shall take reasonable precautions to prevent his workmen or any other persons from removing or damaging any such article or thing and shall, immediately upon discovery thereof and before removal, acquaint the Engineer of such discovery and carry out the Engineer's instructions for dealing with the same. If, by reason of such instructions, the Contractor suffers delay and/or incurs costs then the Engineer shall, after due consultation with the Employer and the Contractor, determine:

(a) any extension of time to which the Contractor is entitled under Clause 44, and
(b) the amount of such costs, which shall be added to the Contract Price, and shall notify the Contractor accordingly, with a copy to the Employer.

28.1 **Patent Rights**

The Contractor shall save harmless and indemnify the Employer from and against all claims and proceedings for or on account of infringement of any patent rights, design trademark or name or other protected rights in respect of any Contractor's Equipment, materials or Plant used for or in connection with or for incorporation in the Works and

from and against all damages, costs, charges and expenses whatsoever in respect thereof or in relation thereto, except where such infringement results from compliance with the design or Specification provided by the Engineer.

28.2 **Royalties**

Except where otherwise stated, the Contractor shall pay all tonnage and other royalties, rent and other payments or compensation, if any, for getting stone, sand, gravel, clay or other materials required for the Works.

29.1 **Interference with Traffic and Adjoining Properties**

All operations necessary for the execution and completion of the Works and the remedying of any defects therein shall, so far as compliance with the requirements of the Contract permits, be carried on so as not to interfere unnecessarily or improperly with:

(a) the convenience of the public, or

(b) the access to, use and occupation of public or private roads and footpaths to or of properties whether in the possession of the Employer or of any other person.

The Contractor shall save harmless and indemnify the Employer in respect of all claims, proceedings, damages, costs, charges and expenses whatsoever arising out of, or in relation to, any such matters insofar as the Contractor is responsible therefor.

30.1 **Avoidance of Damage to Roads**

The Contractor shall use every reasonable means to prevent any of the roads or bridges communicating with or on the routes to the Site from being damaged or injured by any traffic of the Contractor or any of his Subcontractors and, in particular, shall select routes, choose and use vehicles and restrict and distribute loads so that any such extraordinary traffic as will inevitably arise from the moving of materials, Plant, Contractor's Equipment or Temporary Works from and to the Site shall be limited, as far as reasonably possible, and so that no unnecessary damage or injury may be occasioned to such roads and bridges.

30.2 **Transport of Contractor's Equipment or Temporary Works**

Save insofar as the Contract otherwise provides, the Contractor shall be responsible for and shall pay the cost of strengthening any bridges or altering or improving any road communicating with or on the routes to the Site to facilitate the movement of Contractor's Equipment or Temporary Works and the Contractor shall indemnify and keep indemnified the Employer against all claims for damage to any such road or bridge caused by such movement, including such claims as may be made directly against the Employer, and shall negotiate and pay all claims arising solely out of such damage.

30.3 **Transport of Materials or Plant**

If, notwithstanding Sub-Clause 30.1, any damage occurs to any bridge or road communicating with or on the routes to the Site arising from the transport of materials or Plant, the Contractor shall notify the Engineer with a copy to the Employer, as soon as he becomes aware of such damage or as soon as he receives any claim from the authority

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entitled to make such claim. Where under any law or regulation the haulier of such materials or Plant is required to indemnify the road authority against damage the Employer shall not be liable for any costs, charges or expenses in respect thereof or in relation thereto. In other cases the Employer shall negotiate the settlement of and pay all sums due in respect of such claim and shall indemnify the Contractor in respect thereof and in respect of all claims, proceedings damages, costs, charges and expenses in relation thereto. Provided that if and so far as any such claim or part thereof is, in the opinion of the Engineer, due to any failure on the part of the Contractor to observe and perform his obligations under Sub-Clause 30.1, then the amount determined by the Engineer, after due consultation with the Employer and the Contractor, to be due to such failure shall be recoverable from the Contractor by the Employer and may be deducted by the Employer from any monies due or to become due to the Contractor and the Engineer shall notify the Contractor accordingly, with a copy to the Employer. Provided also that the Employer shall notify the Contractor whenever a settlement is to be negotiated and, where any amount may be due from the Contractor, the Employer shall consult with the Contractor before such settlement is agreed.

30.4 **Waterborne Traffic**

Where the nature of the Works is such as to require the use by the Contractor of waterborne transport the foregoing provisions of this Clause shall be construed as though "road" included a lock, dock, sea wall or other structure related to a waterway and "vehicle" included craft, and shall have effect accordingly.

31.1 **Opportunities for Other Contractors**

The Contractor shall, in accordance with the requirements of the Engineer, afford all reasonable opportunities for carrying out their work to:

(a) any other contractors employed by the Employer and their workmen,

(b) the workmen of the Employer, and

(c) the workmen of any duly constituted authorities who may be employed in the execution on or near the Site of any work not included in the Contract or of any contract which the Employer may enter into in connection with or ancillary to the Works.

31.2 **Facilities for Other Contractors**

If, however, pursuant to Sub-Clause 31.1 the Contractor shall, on the written request of the Engineer:

(a) make available to any other contractor, or to the Employer or any such authority, any roads or ways for the maintenance of which the Contractor is responsible,

(b) permit the use, by any such, of Temporary Works or Contractor's Equipment on the Site, or

(c) provide any other service of whatsoever nature for any such, the Engineer shall determine an addition to the Contract Price in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Employer.

32.1 **Contractor to Keep Site Clear**

During the execution of the Works the Contractor shall keep the Site reasonably free from all unnecessary obstruction and shall store or dispose of any Contractor's Equipment and surplus materials and clear away and remove from the Site any wreckage, rubbish or Temporary Works no longer required.

33.1 **Clearance of Site on Completion**

Upon the issue of any Taking-Over Certificate the Contractor shall clear away and remove from that part of the Site to which such Taking-Over Certificate relates all Contractor's Equipment, surplus materials, rubbish and Temporary Works of every kind, and leave such part of the Site and Works clean and in a workmanlike condition to the satisfaction of the Engineer. Provided that the Contractor shall be entitled to retain on Site, until the end of the Defects Liability Period, such materials, Contractor's Equipment and Temporary Works as are required by him for the purpose of fulfilling his obligations during the Defects Liability Period.

Labour

34.1 **Engagement of Staffs and Labour**

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

35.1 **Returns of Labour and Contractor's Equipment**

The Contractor shall, if required by the Engineer, deliver to the Engineer a return in detail, in such form and at such intervals as the Engineer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such information respecting Contractor's Equipment as the Engineer may require.

Materials, Plant and Workmanship

36.1 **Quality of Materials, Plant and Workmanship**

All materials, Plant and workmanship shall be:

(a) of the respective kinds described in the Contract and in accordance with the Engineer's instructions, and

(b) subjected from time to time to such tests as the Engineer may require at the place of manufacture, fabrication or preparation, or on the Site or at such other place or places as may be specified in the Contract, or at all or any of such places.

The Contractor shall provide such assistance, labour, electricity, fuels, stores, apparatus and instruments as are normally required for examining, measuring and testing any materials or Plant and shall supply samples of materials, before incorporation in the Works, for testing as may be selected and required by the Engineer.

36.2 **Cost of Samples**

All samples shall be supplied by the Contractor at his own cost if the supply thereof is clearly intended by or provided for in the Contract.

36.3 **Cost of Tests**

The cost of making any test shall be borne by the Contractor if such test is:

(a) clearly intended by or provided for in the Contract, or

(b) particularised in the Contract (in cases only for a test under load or of a test to ascertain whether the design of any finished or partially finished work is appropriate for the purposes which it was intended to fulfil) in sufficient detail to enable the Contractor to price or allow for the same in his Tender.

36.4 **Cost of Tests not Provided for**

If any test required by the Engineer which is:

(a) not intended by or provided for,

(b) (in the cases above mentioned) not so particularised, or

(c) (though so intended or provided for) required by the Engineer to be carried out at any place other than the Site or the place of manufacture, fabrication or preparation of the materials or Plant tested,

shows the materials, Plant or workmanship not to be in accordance with the provisions of the Contract to the satisfaction of the Engineer, then the cost of such test shall be borne by the Contractor, but in any other case Sub-Clause 36.5 shall apply.

36.5 **Engineer's Determination where Tests not Provided for**

Where, pursuant to Sub-Clause 36.4, this Sub-Clause applies the Engineer shall, after due consultation with the Employer and the Contractor, determine:

(a) any extension of time of which the Contractor is entitled under Clause 44, and

(b) the amount of such costs, which shall be added to the Contract Price, and shall notify the Contractor accordingly, with a copy to the Employer.

37.1 **Inspection of Operations**

The Engineer, and any person authorised by him, shall at all reasonable times have access to the Site and to all workshops and places where materials or Plant are being manufactured, fabricated or prepared for the Works and the Contractor shall afford every facility for and every assistance in obtaining the right to such access.

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37.2 **Inspection and Testing**

The Engineer shall be entitled, during manufacture, fabrication or preparation to inspect and test the materials and Plant to be supplied under the Contract. If materials or Plant are being manufactured, fabricated or prepared in workshops or places other than those of the Contractor, the Contractor shall obtain permission for the Engineer to carry out such inspection and testing in those workshops or places. Such inspection or testing shall not release the Contractor from any obligation under the Contract.

37.3 **Dates for Inspection and Testing**

The Contractor shall agree with the Engineer on the time and place for the inspection or testing of any materials or Plant as provided in the Contract. The Engineer shall give the Contractor not less than 24 hours notice of his intention to carry out the inspection or to attend the tests. If the Engineer, or his duly authorised representative, does not attend on the date agreed, the Contractor may, unless otherwise instructed by the Engineer, proceed with the tests, which shall be deemed to have been made in the presence of the Engineer. The Contractor shall forthwith forward to the Engineer duly certified copies of the tests readings. If the Engineer has not attended the tests, he shall accept the said readings as accurate.

37.4 **Rejection**

If, at the time and place agreed in accordance with Sub-Clause 37.3, the materials or Plant are not ready for inspection or testing or if, as a result of the inspection or testing referred to in this Clause, the Engineer determines that the materials or Plant are defective or otherwise not in accordance with the Contract, he may reject the materials or Plant and shall notify the Contractor thereof immediately. The notice shall state the Engineer's objections with reasons. The Contractor shall then promptly make good the defect or ensure that rejected materials or Plant comply with the Contract. If the Engineer so requests, the tests of rejected materials or Plant shall be made or repeated under the same terms and conditions. All costs incurred by the Employer by the repetition of the test shall after due consultation with the Employer and the Contractor, be determined by the Engineer and shall be recoverable from the Contractor by the Employer and may be deducted from any monies due or to become due to the Contractor and the Engineer shall notify the Contractor accordingly, with a copy to the Employer.

37.5 **Independent Inspection**

The Engineer may delegate inspection and testing of materials or Plant to an independent inspector. Any such delegation shall be effected in accordance with Sub-Clause 2.4 and for this purpose such independent inspector shall be considered as an assistant of the Engineer. Notice of such appointment (not being less than 14 days) shall be given by the Engineer to the Contractor.

38.1 **Examination of Work before Covering up**

No part of the works shall be covered up or put out of view without the approval of the Engineer and the Contractor shall afford full opportunity for the Engineer to examine and measure any such part of the Works which is about to be covered up or put out of view and to examine foundations before any part of the Works is placed thereon. The Contractor shall give notice to the Engineer whenever any such part of the Works or

SMK CONSTRUCTION CO.

foundations is or are ready or about to be ready for examination and the Engineer shall, without unreasonable delay, unless he considers it unnecessary and advises the Contractor accordingly, attend for the purpose of examining and measuring such part of the Works or of examining such foundations.

38.2 **Uncovering and Making Openings**

The Contractor shall uncover any part of the Works or make openings in or through the same as the Engineer may from time to time instruct and shall reinstate and make good such part. If any such part has been covered up or put out of view after compliance with the requirement of Sub-Clause 38.1 and is found to be executed in accordance with the Contract, the Engineer shall, after due consultation with the Employer and the Contractor, determine the amount the Contractor's costs in respect of such of uncovering, making openings in or through, reinstating and making good the same, which shall be added to the Contract Price, and shall notify the Contractor accordingly, with a copy to the Employer. In any other case all costs shall be borne by the Contractor.

39.1 **Removal of Improper Work, Materials or Plant**

The Engineer shall have authority to issue instructions from time to time, for:

(a) the removal from the Site, within such time or times as may be specified in the instruction, of any materials or Plant which, in the opinion of the Engineer, are not in accordance with the Contract,

(b) the substitution of proper and suitable materials or Plant, and

(c) the removal and proper re-execution, notwithstanding any previous test thereof or interim payment therefor, of any work which, in respect of

(i) materials, Plant or workmenship, or

(ii) design by the Contractor or for which he is responsible, is not, in the opinion of the Engineer, in accordance with the Contract.

39.2 **Default of Contractor in Compliance**

In case of default on the part of Contractor in carrying out such instruction within the time specified therein or, if none, within a reasonable time, the Employer shall be entitled to employ and pay other persons to carry out the same and all costs consequent thereon or incidental thereto shall, after due consultation with the Employer and the Contractor, be determined by the Engineer and shall be recoverable from the Contractor by the Employer, and may be deducted by the Employer from any monies due or to become due to the Contractor and the Engineer shall notify the Contractor accordingly, with a copy to the Employer.

Suspension

40.1 **Suspension of Work**

The Contractor shall, on the instructions of the Engineer, suspend the progress of the Works or any part thereof for such time and in such manner as the Engineer may consider

necessary and shall, during such suspension, properly protect and secure the Works or such part thereof so far as is necessary in the opinion of the Engineer. Unless such suspension is:

(a) otherwise provided for in the Contract,

(b) necessary by reason of some default of or breach of contract by the Contractor or for which he is responsible,

(c) necessary by reason of climatic conditions of the Site, or

(d) necessary for the proper execution of the Works or for the safety of the Works or any part thereof (save to the extent that such necessity arises from any act or default by the Engineer or the Employer or from any of the risks defined in Sub-Clause 20.4), Sub-Clause 40.2 shall apply.

40.2 **Engineer's Determination following Suspension**

Where, pursuant to Sub-Clause 40.1, this Sub-Clause applies the Engineer shall, after due consultation with the Employer and the Contractor, determine:

(a) any extension of time to which the Contractor is entitled under Clause 44, and

(b) the amount, which shall be added to the Contract Price, in respect of the cost incurred by the Contractor by reason of such suspension, and shall notify the Contractor accordingly, with a copy to the Employer.

40.3 **Suspension lasting more than 84 Days**

If the progress of the Works or any part thereof is suspended on the written instructions of the Engineer and if permission to resume work is not given by the Engineer within a period for 84 days from the date of suspension then, unless such suspension is within paragraph (a), (b), (c) or (d) of Sub-Clause 40.1, the Contractor may give notice to the Engineer requiring permission, within 28 days from the receipt thereof, to proceed with the Works or that part thereof in regard to which progress is suspended. If, within the said time, such permission is not granted, the Contractor may, but is not bound to, elect to treat the suspension, where it affects part only of the Works, as an omission of such part under Clause 51 by giving a further notice to the Engineer to that effect, or, where it affects the whole of the Works, treat the suspension as an event of default by the Employer and terminates his employment under the Contract in accordance with the provisions of Sub-Clause 69.1, whereupon the provisions of Sub-Clause 69.2 and 69.3 shall apply.

Commencement and Delays

41.1 **Commencement of Works**

The Contractor shall commence the Works as soon as is reasonably possible after the receipt by him of notice to this effect from the Engineer, which notice shall be issued within the time stated in the Appendix to Tender after the date of the Letter of Acceptance. Thereafter, the Contractor shall proceeded with the Works with due expedition and without delay.

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42.1 **Possession of Site and Access Thereto**

Save insofar as the Contract may prescribe:

(a) the extent of portions of the Site of which the Contractor is to be given possession from time to time,

(b) the order in which such portions shall be made available to the Contractor, and, subject to any requirement in the Contract as to the order in which the Works shall be executed, the Employer will, with the Engineer's notice to commence the Works, give to the Contractor possession of

(c) so much of the Site, and

(d) such access as, in accordance with the Contract, is to be provided by the Employer as may be required to enable the Contractor to commence and proceed with the execution of the Works in accordance with the programme referred to in Clause 14, if any, and otherwise in accordance with such reasonable proposals as the Contractor shall, by notice to the Engineer with a copy to the Employer, make. The Employer will, from time to time as the Works proceed, give to the Contractor possession of such further portions of the Site as may be required to enable the Contractor to proceed with the execution of the Works with due dispatch in accordance with such programme or proposals, as the case may be.

42.2 **Failure to Give Possession**

If the Contractor suffers delay and/or incurs costs from failure on the part of the Employer to give possession in accordance with the terms of Sub-Clause 42.1, the Engineer shall, after due consultation with the Employer and the Contractor, determine:

(a) any extension of time to which the Contractor is entitled under Clause 44, and

(b) the amount of such costs, which shall be added to the Contract Price, and shall notify the Contractor accordingly, with a copy to the Employer.

42.3 **Rights of Way and Facilities**

The Contractor shall bear all costs and charges for special or temporary wayleaves required by him in connection with access to the Site. The Contractor shall also provide at his own cost any additional facilities outside the Site required by him for the purposes of the Works.

43.1 **Time for Completion**

The whole of the Works and, if applicable, any Section required to be completed within a particular time as stated in the Appendix to Tender, shall be completed, in accordance with the provisions of Clause 48, within the time stated in the Appendix to Tender for the whole of the Works or the Section (as the case may be), calculated from the Commencement Date, or such extended time as may be allowed under Clause 44.

44.1 **Extension of Time for Completion**

In the event of:

(a) the amount or nature of extra or additional work,

(b) any cause of delay referred to in these Conditions,

(c) exceptionally adverse climatic conditions,

(d) any delay, impediment or prevention by the Employer, or

(e) other special circumstances which may occur, other than through a default of or breach of contract by the Contractor or for which he is responsible, being such as fairly to entitle the Contractor to an extension of the Time for Completion of the Works, or any Section or part thereof, the Engineer shall, after due consultation with the Employer and the Contractor, determine the amount of such extension and shall notify the Contractor accordingly, with a copy to the Employer.

44.2 **Contractor to Provide Notification and Detailed Particulars**

Provided that the Engineer is not bound to make any determination unless the Contractor has

(a) within 28 days after such event has first arisen notified the Engineer with a copy to the Employer, and

(b) within 28 days or such other reasonable time as may be agreed by the Engineer, after such notification submitted to the Engineer detailed particulars of any extension of time to which he may consider himself entitled in order that such submission may be investigated at the time.

44.3 **Interim Determination of Extension**

Provided also that where an event has a continuing effect such that it is not practicable for the Contractor to submit detailed particulars within the period of 28 days referred to in Sub-Clause 44.2(b), he shall nevertheless be entitled to an extension of time provided that he has submitted to the Engineer interim particulars at intervals of not more than 28 days and final particulars within 28 days of the end of the effects resulting from the event. On receipt of such interim particulars, the Engineer shall, without undue delay, make an interim determination of extension of time and, on receipt of the final particulars, the Engineer shall review all the circumstances and shall determine an overall extension of time in regard to the event. In both such cases the Engineer shall make his determination after due consultation with the Employer and the Contractor and shall notify the Contractor of the determination, with a copy to the Employer. No final review shall result in a decrease of any extension of time already determined by the Engineer.

45.1 **Restriction on Working Hours**

Subject to any provision to the contrary contained in the Contract, none of the Works shall, save as hereinafter provided, be carried on during the night or on locally recognised days of rest without the consent of the Engineer, except when work is unavoidable or

SMK CONSTRUCTION CO.

absolutely necessary for the saving of life or property or for the safety of the Works, in which case the Contractor shall immediately advise the Engineer. Provided that the provisions of this Clause shall not be applicable in the case of any work which it is customary to carry out by multiple shifts.

46.1 **Rate of Progress**

If for any reason, which does not entitle the Contractor to an extension of time, the rate of progress of the Works or any Section is at any time, in the opinion of the Engineer, too slow to comply with the Time for Completion, the Engineer shall so notify the Contractor who shall thereupon take such steps as are necessary, subject to the consent of the Engineer, to expedite progress so as to comply with the Time for Completion. The Contractor shall not be entitled to any additional payment for taking such steps. If, as a result of any notice given by the Engineer under this Clause, the Contractor considers that it is necessary to do any work at night or on locally recognised days of rest, he shall be entitled to seek the consent of the Engineer so to do. Provided that if any steps, taken by the Contractor in meeting his obligations under this Clause, involve the Employer in additional supervision costs, such cost shall, after due consultation with the Employer and the Contractor, be determined by the Engineer and shall be recoverable from the Contractor by the Employer, and may be deducted by the Employer from any monies due or to become due to the Contractor and the Engineer shall notify the Contractor accordingly, with a copy to the Employer.

47.1 **Liquidated Damages for Delay**

If the Contractor fails to comply with the Time for Completion in accordance with Clause 48, for the whole of the Works or, if applicable, any Section within the relevant time prescribed by Clause 43, then the Contractor shall pay to the Employer the relevant sum stated in the Appendix to Tender as liquidated damages for such default and not as a penalty (which sum shall be the only monies due from the Contractor for such default) for every day or part of a day which shall elapse between the relevant Time for Completion and the date stated in a Taking-Over Certificate of the whole of the Works or the relevant Section, subject to the applicable limit stated in the Appendix to Tender. The Employer may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies due or to become due to the Contractor. The payment or deduction of such damages shall not relieve the Contractor from his obligation to complete the Works, or from any other of his obligations and liabilities under the Contract.

47.2 **Reduction of Liquidated Damages**

If, before the Time for Completion of the whole of the Works or, if applicable, any Section, a Taking-Over Certificate has been issued for any part of the Works or of a Section, the liquidated damages for delay in completion of the remainder of the Works or of that Section shall, for any period of delay after the date stated in such Taking-Over Certificate, and in the absence of Alternative provisions in the Contract, be reduced in the proportion which the value of the part so certified bears to the value of the whole of the Works or Section, as applicable. The provisions of this Sub-Clause shall only apply to the rate of liquidated damages and shall not affect the limit thereof.

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48.1 Taking-Over Certificate

When the whole of the Works have been substantially completed and have satisfactorily passed any Tests on Completion prescribed by the Contract, the Contractor may give a notice to that effect to the Engineer with a copy to the Employer, accompanied by a written undertaking to finish with due expedition any outstanding work during the Defects Liability Period. Such notice and undertaking shall be deemed to be a request by the Contractor for the Engineer to issue a Taking-Over Certificate in respect of the Works. The Engineer shall within 21 days of the date of delivery of such notice, either issue to the Contractor, with a copy to the Employer, a Taking-Over Certificate, stating the date on which, in his opinion, the Works were substantially completed in accordance with the Contract, or give instructions in writing to the Contractor specifying all the work which, in the Engineer's opinion, is required to be done by the Contractor before the issue of such Certificate. The Engineer shall also notify the Contractor of any defects in the Works affecting substantial completion that may appear after such instructions and before completion of the Woks specified therein. The Contractor shall be entitled to receive such Taking-Over Certificate within 21 days of completion, to the satisfaction of the Engineer, of the Works so specified and remedying any defects so notified.

48.2 Taking Over of Sections or Parts

Similarly, in accordance with the procedure set out in Sub-Clause 48.1, the Contractor may request and the Engineer shall issue a Taking-Over Certificate in respect of:

(a) any Section in respect of which a separate Time for Completion is provided in the Appendix to Tender,

(b) any substantial part of the Permanent Works which has been both completed to the satisfaction of the Engineer and, otherwise than as provided for in the Contract, occupied or used by the Employer, or

(c) any part of the Permanent Works which the Employer has elected to occupy or use prior to completion (where such prior occupation or use is not provided for in the Contract or has not been agreed by the Contractor as a temporary measure).

48.3 Substantial Completion of Parts

If any part of the Permanent Works has been substantially completed and has satisfactorily passed any Tests on Completion prescribed by the Contractor, the Engineer may issue a Taking-Over Certificate in respect of that part of the Permanent Works before completion of the whole of the Works and, upon the issue of such Certificate, the Contractor shall be deemed to have undertaken to complete with due expedition any outstanding work in that part of the Permanent Works during the Defects Liability Period.

48.4 Surfaces Requiring Reinstatement

Provided that a Taking-Over Certificate given in respect of any Section or part of the Permanent Works before completion of the whole of the Works shall not be deemed to certify completion of any ground or surfaces requiring reinstatement, unless such Taking-Over Certificate shall expressly so state.

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Defects Liability

49.1 Defects Liability Period

In these Conditions the expression "Defects Liability Period" shall mean the defects liability period named in the Appendix to Tender, calculated from:

(a) the date of completion of the Works certified by the Engineer in accordance with Clause 48, or

(b) in the event of more than one certificate having issued by the Engineer under Clause 48, the respective dates so certified,

and in relation to the Defects Liability Period the expression "the Works" shall be construed accordingly.

49.2 Completion of Outstanding Work and Remedying Defects

To the intent that the Works shall, at or as soon as practicable after the expiration of the Defects Liability Period, be delivered to the Employer in the condition required by the Contract, fair wear and tear excepted, to the satisfaction of the Engineer, the Contractor shall:

(a) complete the work, if any, outstanding on the date stated in the Taking-Over Certificate as soon as practicable after such date, and

(b) execute all such work of amendment, reconstruction, and remedying defects, shrinkages or other faults as the Engineer may, during the Defects Liability Period or within 14 days after its expiration, as a result of an inspection made by or on behalf of the Engineer prior to its expiration, instruct the Contractor to execute.

49.3 Cost of Remedying Defects

All work referred to in Sub-Clause 49.2(b) shall be executed by the Contractor at his own cost if the necessity thereof is, in the opinion of the Engineer, due to:

(a) the use of materials, Plant or workmanship not in accordance with the Contract,

(b) where the Contractor is responsible for the design of part of the Permanent Works, any fault i n such design, or

(c) the neglect or failure on the part of the Contractor to comply with any obligation, expressed or implied, on the Contractor's part under the Contract.

If, in the opinion of the Engineer, such necessity is due to any other cause, he shall determine an addition to the Contract Price in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Employer.

49.4 Contractor's Failure to Carry Out Instructions

In case of default on the part of the Contractor in carrying out such instruction within a reasonable time, the Employer shall be entitled to employ and pay other persons to carry

out the same and if such work is work which, in the opinion of the Engineer, the Contractor was liable to do at his own cost under the Contract, then all cost consequent thereon or incidental thereto shall, after due consultation with the Employer and the Contractor, be determined by the Engineer and shall be recoverable from the Contractor by the Employer, and may be deducted by the Employer from any monies due or to become due to the Contractor and the Engineer shall notify the Contractor accordingly, with a copy to the Employer.

50.1 **Contractor to Search**

If any defect, shrinkage or other fault in the Works appears at any time prior to the end of the Defects Liability Period, the Engineer may instruct the Contractor, with a copy to the Employer, to search under the directions of the Engineer for the cause thereof. Unless such defect, shrinkage or other fault is one for which the Contractor is liable under the Contract, the Engineer shall, after due consultation with the Employer and the Contractor, determine the amount in respect of the costs of such search incurred by the Contractor, which shall be added to the Contract Price and shall notify the Contractor accordingly, with a copy to the Employer. If such defect, shrinkage or other fault is one for which the Contractor is liable, the cost of the work carried out in searching as aforesaid shall be borne by the Contractor and he shall in such case remedy such defect, shrinkage or other fault at his own cost in accordance with the provisions of Clause 49.

Alterations, Additions and Omissions

51.1 **Variations**

The Engineer shall make any variation of the form, qualify or quantity of the Works or any part thereof that may, in his opinion, be necessary and for that purpose, or if for any other reason it shall, in his opinion, be appropriate, he shall have the authority to instruct the Contractor to do and the Contractor shall do any of the following:

(a) increase or decrease the quantity of any work included in the Contract,
(b) omit any such work (but not if the omitted work is to be carried out by the Employer or by another contractor),
(c) change the character or quality or kind of any such work,
(d) change the levels, lines, position and dimensions of any part of the Works,
(e) execute additional work of any kind necessary for the completion of the Works, or
(f) change any specified sequence or timing of construction of any part of the Works.

No such variation shall in any way vitiate or invalidate the Contract, but the effect, if any, of all such variations shall be valued in accordance with Clause 52. Provided that where the issue of an instruction to vary the Works is necessitated by some default of or breach of contract by the Contractor or for which he is responsible, any additional cost attributable to such default shall be borne by the Contractor.

51.2 **Instructions for Variations**

The Contractor shall not make any such variation without an instruction of the Engineer. Provided that no instruction shall be required for increase or decrease in the quantity of any work where such increase or decrease is not the result of an instruction given under this Clause, but is the result of the quantities exceeding or being less than those stated in the Bill of Quantities.

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52.1 Valuation of Variations

All variations referred to in Clause 51 and any additions to the Contract Price which are required to be determined in accordance with Clause 52 (for the purposes of this Clause referred to as "varied work"), shall be valued at the rates and prices set out in the Contract if, in the opinion of the Engineer, the same shall be applicable. If the Contract does not contain any rates or prices applicable to the varied work, the rates and prices in the Contract shall be used as the basis for valuation so far as may be reasonable, failing which, after due consultation by the Engineer with the Employer and the Contractor, suitable rates or prices shall be agreed upon between the Engineer and the Contractor. In the event of disagreement the Engineer shall fix such rates or prices as are, in his opinion, appropriate and shall notify the Contractor accordingly, with a copy to the Employer. Until such time as rates or prices are agreed or fixed, the Engineer shall determine provisional rates or prices to enable on-account payments to be included in certificates issued in accordance with Clause 60.

52.2 Power of Engineer to Fix Rates

Provided that if the nature or amount of any varied work relative to the nature or amount of the whole of the Works or to any part thereof, is such that, in the opinion of the Engineer, the rate or price contained in the Contract for any item of the Works is, by reason of such varied work, rendered inappropriate or inapplicable, then, after due consultation by the Engineer with the Employer and the Contractor, a suitable rate or price shall be agreed upon between the Engineer and the Contractor. In the event of disagreement the Engineer shall fix such other rate or price as is, in his opinion, appropriate and shall notify the Contractor accordingly, with a copy to the Employer. Until such time as rates or prices are agreed or fixed, the Engineer shall determine provisional rates or prices to enable on-account payments to be included in certificates issued in accordance with Clause 60.

Provided also that no varied work instructed to be done by the Engineer pursuant to Clause 51 shall be valued under Sub-Clause 52.1 or under this Sub-Clause unless, within 14 days of the date of such instruction and, other than in the case of omitted work, before the commencement of the varied work, notice shall have been given either:

(a) by the Contractor to the Engineer of his intention to claim extra payment or a varied rate or price, or

(b) by the Engineer to the Contractor of his intention to vary a rate or price.

52.3 Variations Exceeding 15 per cent

If, on the issue of the Taking-Over Certificate for the whole of the Works, it is found that as a result of:

(a) all varied work valued under Sub-Clauses 52.1 and 52.2, and

(b) all adjustments upon measurement of the estimated quantities set out in the Bill of Quantities, excluding Provisional Sums, dayworks and adjustment of price made under Clause 70.

but not from any other cause, there have been additions to or deductions from the

SMK CONSTRUCTION CO.

Contract Price which taken together are in excess of 15 per cent of the "Effective Contract Price" (which for the purposes of this Sub-Clause shall mean the Contract Price, excluding Provisional Sums and allowance for dayworks, if any) then and in such event (subject to any action already taken under any other Sub-Clause of this Clause), after due consultation by the Engineer with the Employer and the Contractor, there shall be added to or deducted from the Contract Price such further sums as may be agreed between the Contractor and the Engineer or, failing agreement, determined by the Engineer having regard to the Contractor's Site and general overhead costs of the Contract. The Engineer shall notify the Contractor of any determination made under this Sub-Clause, with a copy to the Employer. Such sum shall be based only on the amount by which such additions or deductions shall be in excess of 15 per cent of the Effective Contract Price.

52.4 **Daywork**

The Engineer may, if in his opinion it is necessary or desirable, issue an instruction that any varied work shall be executed on a daywork basis. The Contractor shall then be paid for such varied work under the terms set out in the daywork schedule included in the Contract and at the rates and prices affixed thereto by him in the Tender.

The Contractor shall furnish to the Engineer such receipts or other vouchers as may be necessary to provide the amounts paid and, before ordering material, shall submit to the Engineer quotations for the same for his approval.

In respect of such of the Works executed on a daywork basis , the Contractor shall during the continuance of such work, deliver each day to the Engineer an exact list in duplicate of the names, occupation and time of all workmen employed on such work and a statement, also in duplicate, showing the description and quantity of all materials and Contractor's Equipment used thereon or therefor other than Contractor's Equipment which is included in the percentage addition in accordance with such daywork schedule. One copy of each list and statement will, if correct, or when agreed, be signed by the Engineer and returned to the Contractor.

At the end of each month the Contractor shall deliver to the Engineer a priced statement of the labour, materials and Contractor's Equipment, except as aforesaid, used and the Contractor shall not be entitled to any payment unless such lists and statements have been fully and punctually rendered. Provided always that if the Engineer considers that for any reason the sending of such lists or statements by the Contractor, in accordance with the foregoing provision, was impracticable he shall nevertheless be entitled to authorise payment for such work, either as daywork, on being satisfied as to the time employed and the labour, materials and Contractor's Equipment used on such work, or at such value therefor as shall, in his opinion, be fair and reasonable.

Procedure for Claims

53.1 **Notice of Claims**

Notwithstanding any other provision of the Contract, if the Contractor intends to claim any additional payment pursuant to any Clause of these Conditions or otherwise, he shall give notice of his intention to the Engineer with a copy to the Employer, within 28 days after the event giving rise to the claim has first arisen.

SMK CONSTRUCTION CO.

53.2 **Contemporary Records**

Upon the happening of the event referred to in Sub-Clause 53.1, the Contractor shall keep such contemporary records as may reasonably be necessary to support any claim he may subsequently wish to make. Without necessarily admitting the Employer's liability, the Engineer shall, on receipt of a notice under Sub-Clause 53.1, inspect such contemporary records and may instruct the Contractor to keep any further contemporary records as are reasonable and may be material to the claim of which notice has been given. The Contractor shall permit the Engineer to inspect all records kept pursuant to this Sub-Clause and shall supply him with copies thereof as and when the Engineer so instructs.

53.3 **Substantiation of Claims**

Within 28 days, or such other reasonable time as may be agreed by the Engineer, of giving notice under Sub-Clause 53.1, the Contractor shall send to the Engineer an account giving detailed particulars of the amount claimed and the grounds upon which the claim is based. Where the event giving rise to the claim has a continuing effect, such account shall be considered to be an interim account and the Contractor shall, at such intervals as the Engineer may reasonably require, send further interim accounts giving the accumulated amount of the claim and any further grounds upon which it is based. In cases where interim accounts are sent to the Engineer, the Contractor shall send a final account within 28 days of the end of the effects resulting from the event. The Contractor shall, if required by the Engineer so to do, copy to the Employer all accounts sent to the Engineer pursuant to this Sub-Clause.

53.4 **Failure to Comply**

If the Contractor fails to comply with any of the provisions of this Clause in respect of any claim which he seeks to make, his entitlement to payment in respect thereof shall not exceed such amount as the Engineer or any arbitrator or arbitrators appointed pursuant to Sub-Clause 67.3 assessing the claim considers to be verified by contemporary records (whether or not such records were brought to the Engineer's notice as required under Sub-Clause 53.2 and 53.3).

53.5 **Payment of Claims**

The Contractor shall be entitled to have included in any interim payment certified by the Engineer pursuant to Clause 60 such amount in respect of any claim as the Engineer, after due consultation with the Employer and the Contractor, may consider due to the Contractor provided that the Contractor has supplied sufficient particulars to enable the Engineer to determine the amount due. If such particulars are insufficient to substantiate the whole of the claim, the Contractor shall be entitled to payment in respect of such part of the claim as such particulars may substantiate to the satisfaction of the Engineer. The Engineer shall notify the Contractor of any determination made under this Sub-Clause, with a copy to the Employer.

Contractor's Equipment, Temporary Works and Materials

54.1 Contractor's Equipment, Temporary Works and Materials; Exclusive Use for the Works

All Contractor's Equipment, Temporary Works and materials provided by the Contractor shall, when brought on to the Site, be deemed to be exclusively intended for the execution of the Works and the Contractor shall not remove the same or any part thereof, except for the purpose of moving it from one part of the Site to another, without the consent of the Engineer. Provided that consent shall not be required for vehicles engaged in transporting any staff, labour, Contractor's Equipment, Temporary Works, Plant or materials to or from the Site.

54.2 Employer not Liable for Damage

The Employer shall not at any time be liable, save as mentioned in Clauses 20 and 65, for the loss of or damage to any of the said Contractor's Equipment, Temporary Works or materials.

54.3 Customs Clearance

The Employer will use his best endeavours in assisting the Contractor, where required, in obtaining clearance through the Customs of Contractor's Equipment, materials and other things required for the Works.

54.4 Re-export of Contractor's Equipment

In respect of any Contractor's Equipment which the Contractor has imported for the purposes of the Works, the Employer will use his best endeavours to assist the Contractor, where required, in procuring any necessary Government consent to the re-export of such Contractor's Equipment by the Contractor upon the removal thereof pursuant to the terms of Contract.

54.5 Conditions of Hire of Contractor's Equipment

With a view to securing, in the event of termination under Clause 63, the continued availability, for the purpose of executing the Works, of any hired Contractor's Equipment, the Contractor shall not bring on to the Site any hired Contractor's Equipment unless there is an agreement for hire thereof (which agreement shall be deemed not to include an agreement for hire purchase) which contains a provision that the owner thereof will, on request in writing made by the Employer within 7 days after the date on which any termination has become effective, and on the Employer undertaking to pay all hire charges in respect thereof from such date, hire such Contractor's Equipment to the Employer on the same terms in all respect as the same was hired to the Contractor save that the Employer shall be entitled to permit the use thereof by any other contractor employed by him for the purpose of execution and completing the Works and remedying any defects therein, under the terms of the said Clause 63.

54.6 Costs for the Purpose of Clause 63

In the event of the Employer entering into any agreement for the hire of Contractor's Equipment pursuant to Sub-Clause 54.5, all sums properly paid by the Employer under

the provision of any such agreement and all costs incurred by him (including stamp duties) in entering into such agreement shall be deemed, for the purpose of Clause 63, to be part of the cost of executing and completing the Works and the remedying of any defects therein.

54.7 **Incorporation of Clause in Subcontracts**

The Contractor shall, where entering into any subcontract for the execution of any part of the Works, incorporate in such subcontract (by reference or otherwise) the provisions of this Clause in relation to Contractor's Equipment, Temporary Works or materials brought on to the Site by the Subcontractor.

54.8 **Approval of Materials not Implied**

The operation of this Clause shall not be deemed to imply any approval by the Engineer of the materials or other matters referred to therein nor shall it prevent the rejection of any such materials at any time by the Engineer.

Measurement

55.1 **Quantities**

The quantities set out in the Bill of Quantities are the estimated quantities for the Works, and they are not to be taken as the actual and correct quantities of the Works to be executed by the Contractor in fulfillment of his obligations under the Contract.

56.1 **Works to be Measured**

The Engineer shall, except as otherwise stated, ascertain and determine by measurement the value of the Works in accordance with the Contract and the Contractor shall be paid that value in accordance with Clause 60. The Engineer shall, when he requires any part of the Works to be measured, give reasonable notice to the Contractor's authorised agent, who shall:

(a) forthwith attend or send a qualified representative to assist the Engineer in making such measurement, and

(b) supply all particulars required by the Engineer.

Should the Contractor not attend, or neglect or omit to send such representative, then the measurement made by the Engineer or approved by him shall be taken to be the correct measurement of such part of the Works. For the purpose of measuring such Permanent Works as are to be measured by records and drawings, the Engineer shall prepare records and drawings as the work proceeds and the Contractor, as and when called upon to do so in writing, shall, within 14 days, attend to examine and agree such records and drawings with the Engineer and shall sign the same when so agreed. If the Contractor does not attend to examine and agree such records and drawings, they shall be taken to be correct. If, after examination of such records and drawings, the Contractor does not agree the same or does not sign the same as agreed, they shall nevertheless be taken to be correct, unless the Contractor, within 14 days of such examination, lodges with the Engineer notice of the respects in which such records and drawings are claimed by him to be incorrect. On receipt of such notice, the Engineer shall review the records and drawings

SMK CONSTRUCTION CO.

and either confirm or vary them.

57.1 **Method of Measurement**

The Works shall be measured net, notwithstanding any general or local custom, except where otherwise provided for in the Contract.

57.2 **Breakdown of Lump Sum Items**

For the purposes of statements submitted in accordance with Sub-Clause 60.1, the Contractor shall submit to the Engineer, within 28 days after the receipt of the Letter of Acceptance, a breakdown for each of the lump sum items contained in the Tender. Such breakdowns shall be subject to the approval of the Engineer.

Provisional Sums

58.1 **Definition of "Provisional Sum"**

"Provisional Sum" means a sum included in the Contract and so designated in the Bill of Quantities for the execution of any part of the Works or for the supply of goods, materials, Plant or services, or for contingencies, which sum may be used, in whole or in part, or not at all, on the instructions of the Engineer. The Contractor shall be entitled to only such amounts in respect of the work, supply or contingencies to which such Provisional Sums relate as the Engineer shall determine in accordance with this Clause. The Engineer shall notify the Contractor of any determination made under this Sub-Clause, with a copy to the Employer.

58.2 **Use of Provisional Sums**

In respect of every Provisional Sum the Engineer shall have authority to issue instructions for the execution of work or for the supply of goods, material, Plant or services by:

(a) the Contractor, in which case the Contractor shall be entitled to an amount equal to the value thereof determined in accordance with Clause 52, and

(b) a nominated Subcontractor, as hereinafter defined, in which case the sum to be paid to the Contractor therefor shall be determined and paid in accordance with Sub-Clause 59.4.

58.3 **Production of Vouchers**

The Contractor shall produce to the Engineer all quotations, invoices, vouchers and accounts or receipts in connection with expenditure in respect of Provisional Sums, except where work is valued in accordance with rates or prices set out in the Tender.

Nominated Subcontractors

59.1 **Definition of "Nominated Subcontractors"**

All specialists, merchants, tradesmen and others executing any work or supplying any goods, materials, Plant or services for which Provisional Sums are included in the

SMK CONSTRUCTION CO.

Contract, who may have been or be nominated or selected or approved by the Employer or the Engineer, and all persons to whom by virtue of the provisions of the Contract the Contractor is required to subcontract shall, in the execution of such work or the supply of such goods, materials, Plant or services, be deemed to be subcontractors to the Contractor and are referred to in this Contract as "nominated Subcontractors".

59.2 **Nominated Subcontractors; Objection to Nomination**

The Contractor shall not be required by the Employer or the Engineer, or be deemed to be under any obligation, to employ any nominated Subcontractor against whom the Contractor may raise reasonable objection, or who declines to enter into subcontract with the Contractor containing provisions:

(a) that in respect of the work, goods, materials, Plant or services the subject of the subcontract, the nominated Subcontractor will undertake towards the Contractor such obligations and liabilities as will enable the Contractor to discharge his own obligations and liabilities towards the Employer under the terms of the Contract and will save harmless and indemnify the Contractor from and against the same and from all claims, proceedings, damages, costs, charges and expenses whatsoever arising out of or in connection therewith, or arising out of or in connection with any failure to perform such obligations or to fulfill such liabilities, and

(b) that the nominated Subcontractor will save harmless and indemnity the Contractor from and against any negligence by the nominated Subcontractor, his agents, workmen and servants and from and against any misuse by him or them of any Temporary Works provided by the Contractor for the purposes of the Contract and from all claims as aforesaid.

59.3 **Design Requirements to be Expressly Stated**

If in connection with any Provisional Sum the services to be provided include any matter of design or specification of any part of the Permanent Works or of any Plant to be incorporated therein, such requirement shall be expressly stated in the Contract and shall be included in any nominated Subcontract. The nominated Subcontract shall specify that the nominated Subcontractor providing such services will save harmless and indemnify the Contractor from and against the same and from all claims, proceedings, damages, costs, charges and expenses whatsoever arising out of or in connection with any failure to perform such obligations or to fulfill such liabilities.

59.4 **Payments to Nominated Subcontractors**

For all work executed or goods, materials, Plant or services supplied by any nominated Subcontractor, the Contractor shall be entitled to:

(a) the actual price paid or due to be paid by the Contractor, on the instructions of the Engineer, and in accordance with the subcontract;

(b) in respect of labour supplied by the Contractor, the sum, if any, entered in the Bill of Quantities or, if instructed by the Engineer pursuant to paragraph (a) of Sub-Clause 58.2, as may be determined in accordance with Clause 52; and

(c) in respect of all other charges and profit, a sum being a percentage rate of the aforesaid

price paid or due to be paid calculated, where provision has been made in the Bill of Quantities for a rate to be set against the relevant Provisional Sum, at the rate inserted by the Contractor against that item or, where no such provision has been made, at the rate inserted by the Contractor in the Appendix to Tender and repeated where provision for such is made in a special item provided in the Bill of Quantities for such purpose.

59.5 **Certification of Payments to Nominated Subcontractors**

Before issuing, under Clause 60 any certificate, which includes any payment in respect of work done or goods, materials, Plant or services supplied by any nominated Subcontractor, the Engineer shall be entitled to demand from the Contractor reasonable proof that all payments, less retentions, included in previous certificates in respect of the work or goods, materials, Plant or services of such nominated Subcontractor have been paid or discharged by the Contractor. If the Contractor fails to supply such proof then, unless the Contractor:

(a) satisfies the Engineer in writing that he has reasonable cause for withholding or refusing to make such payment, and

(b) produces to the Engineer reasonable proof that he has so informed such nominated Subcontractor in writing,

the Employer shall be entitled to pay to such nominated Subcontractor direct, upon the certificate of the Engineer, all payments, less retention, provided for in the nominated Subcontract, which the Contractor has failed to make to such nominated Subcontractor and to deduct by way of set-off the amount so paid by the Employer from any sums due or to become due from the Employer to the Contractor.

Provided that, where the Engineer has certified and the Employer has paid direct as aforesaid, the Engineer shall in issuing any further certificate in favour of the Contractor, deduct from the amount thereof the amount so paid, direct as aforesaid, but shall not withhold or delay the issue of the certificate itself when due to be issued under the terms of the Contract.

Certificates and Payment

60.1 **Monthly Statements**

The Contractor shall submit to the Engineer after the end of each month six copies, each signed by the Contractor's representative approved by the Engineer in accordance with the Sub-Clause 15.1, of a statement, in such form as the Engineer may from time to time prescribe, showing the amounts to which the Contractor considers himself to be entitled up to the end of the month in respect of:

(a) the value of the Permanent Works executed,

(b) any other items in the Bill of Quantities including those for Contractor's Equipment, Temporary Works, dayworks and the like,

(c) the percentage of the invoice value of listed materials, all as stated in the Appendix to Tender, and Plant delivered by the Contractor on the Site for incorporation in the

SMK CONSTRUCTION CO.

Permanent Works but not incorporated in such Works,

(d) adjustments under Clause 70, and

(e) any other sum to which the Contractor may be entitled under the Contract or otherwise.

60.2 **Monthly Payments**

The Engineer shall, within 28 days of receiving such statement, certify to the Employer the amount of payment to the Contractor which he considers due and payable in respect thereof, subject:

(a) firstly, to the retention of the account calculated by applying the Percentage of Retention stated in the Appendix to Tender, to the amount to which the Contractor is entitled under paragraph (a), (b), (c) and (e) of Sub-Clause 60.1 until the amount so retained reaches the Limit of Retention Money stated in the Appendix to Tender, and

(b) secondly, to the deduction, other than pursuant to Clause 47, of any sums which may have become due and payable by the Contractor to the Employer.

Provided that the Engineer shall not be bound to certify any payment under this Sub-Clause if the net amount thereof, after all retentions and deductions, would be less than the Minimum Amount of Interim Payment Certificates stated in the Appendix to Tender.

Notwithstanding the terms of this Clause or any other Clause of the Contract no amount will be certified by the Engineer for payment until the performance security, if required under the Contract, has been provided by the Contractor and approved by the Employer.

60.3 **Payment of Retention Money**

(a) Upon the issue of the Taking-Over Certificate with respect to the whole of the Works, one half of the Retention Money, or upon the issue of a Taking-Over Certificate with respect to a Section or part of the Permanent

Works only such proportion thereof as the Engineer determines having regard to the relative value of such Section or part of the Permanent Works, shall be certified by the Engineer for payment to the Contractor.

(b) Upon the expiration of the Defects Liability Period for the Works the other half of the Retention Money shall be certified by the Engineer for payment to the Contractor. Provided that, in the event of different Defects Liability Periods having become applicable to different Sections or part of the Permanent Works pursuant to Clause 48, the expression "expiration of the Defects Liability Period" shall, for the purposes of this Sub-Clause, be deemed to mean the expiration of the latest of such periods. Provided also that if at such time, there shall remain to be executed by the Contractor any work instructed, pursuant to Clause 49 and 50, in respect of the Works, the Engineer shall be entitled to withhold certification until completion of such work of so much of the balance of the Retention Money as shall, in the opinion of the Engineer, represent the cost of the work remaining to be executed.

60.4 **Correction of Certificates**

The Engineer may by any Interim Payment Certificate make any correction or modification in any previous certificate which shall have been issued by him and shall have authority, if any work is not being carried out to his satisfaction, to omit or reduce the value of such work in any Interim Payment Certificate.

60.5 **Statement at Completion**

Not later than 84 days after the issue of the Taking-Over Certificate in respect of the whole of the Works, the Contractor shall submit to the Engineer a Statement at Completion with supporting documents showing in detail, in the form approved by the Engineer:

(a) the final value of all work done in accordance with the Contract up to the date stated in such Taking-Over Certificate,

(b) any further sums which the Contractor considers to be due, and

(c) an estimate of amounts which the Contractor considers will become due to him under the Contract.

The estimated amounts shall be shown separately in such Statement at Completion. The Engineer shall verify payment in accordance with Sub-Clause 60.2.

60.6 **Final Statement**

Not later than 56 days after the issue of the Defects Liability Certificate pursuant to Sub-Clause 62.1, the Contractor shall submit to the Engineer for consideration a draft final statement with supporting documents showing in detail, in the form approved by the Engineer:

(a) the value of all work done in accordance with the Contract, and
(b) any further sums which the Contractor considers to be due to him under the Contract.

If the Engineer disagrees with or cannot verify any part of the draft final statement, the Contractor shall submit such further information as the Engineer may reasonably require and shall make such changes in the draft as may be agreed between them. The Contractor shall then prepare and submit to the Engineer the final statement as agreed (for the purposes of these Conditions referred to as the "Final Statement").

If, following discussions between the Engineer and the Contractor and any changes to the draft final statement which may be agreed between them, it becomes evident that a dispute exists, the Engineer shall deliver to the Employer an Interim Payment Certificate for those parts of the draft final statement, if any, which are not in dispute. The dispute may then be settled in accordance with Clause 67.

60.7 **Discharge**

Upon submission of the Final Statement, the Contractor shall give to the Employer, with a copy to the Engineer, a written discharge confirming that the total of the Final Statement represents full and final settlement of all monies due to the Contractor arising out of or in respect of the Contract. Provided that such discharge shall become effective only after payment due under the Final Payment Certificate issued pursuant to Sub-

Clause 60.8 has been made and the performance security referred to in Sub-Clause 10.1, if any, has been returned to the Contractor.

60.8 **Final Payment Certificate**

Within 28 days after receipt of the Final Statement, and the written discharge, the Engineer shall issue to the Employer (with a copy to the Contractor) a Final Payment Certificate stating:

(a) the amount which, in the opinion of the Engineer, is finally due under the Contract or otherwise, and

(b) after giving credit to the Employer for all amounts previously paid by the Employer and for all sums to which the Employer is entitled other than under Clause 47, the balance, if any, due from the Employer to the Contractor or from the Contractor to the Employer as the case may be.

60.9 **Cessation of Employer's Liability**

The Employer shall not be liable to the Contractor for any matter or thing arising out of or in connection with the Contract or execution of the Works, unless the Contractor shall have included a claim in respect thereof in his Final Statement and (except in respect of matters or things arising after the issue of the Taking-Over Certificate in respect of the whole of the Works) in the Statement at Completion referred to in Sub-Clause 60.5.

60.10 **Time for Payment**

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other term of the Contract, shall, subject to Clause 47, be paid by the Employer to the Contractor within 28 days after such Interim Payment Certificate has been delivered to the Employer, or, in the case of the Final Payment Certificate referred to in Sub-Clause 60.8, within 56 days, after such Final Payment Certificate has been delivered to the Employer. In the event of the failure of the Employer to make payment within the times stated, the Employer shall pay to the Contractor interest at the rate stated in the Appendix to Tender upon all sums unpaid from the date by which the same should have been paid. The provisions of this Sub-Clause are without prejudice to the Contractor's entitlement under Clause 69 or otherwise.

61.1 **Approval only by Defects Liability Certificate**

Only the Defects Liability Certificate, referred to in Clause 62, shall be deemed to constitute approval of the Works.

62.1 **Defects Liability Certificate**

The Contract shall not be considered as completed until a Defects Liability Certificate shall have been signed by the Engineer and delivered to the Employer, with a copy to the Contractor, stating the date on which the Contractor shall have completed his obligations to execute and complete the Works and remedy any defects therein to the Engineer's satisfaction. The Defects Liability Certificate shall be given by the Engineer within 28 days after the expiration of the Defects Liability Period, or, if different defects liability periods shall become applicable to different Sections or parts of the Permanent Works,

the expiration of the latest such period, or as soon thereafter as any works instructed, pursuant to Clause 49 and 50, have been completed to the satisfaction of the Engineer. Provided that the issue of the Defects Liability Certificate shall not be a condition precedent to payment to the Contractor of the second portion of the Retention Money in accordance with the conditions set out in Sub-Clause 60.3.

62.2 **Unfulfilled Obligations**

Notwithstanding the issue of the Defects Liability Certificate the Contractor and the Employer shall remain liable for the fulfillment of any obligation incurred under the provisions of the Contract prior to the issue of the Defects Liability Certificate which remains unperformed at the time of such Defects Liability Certificate is issued and, for the purposes of determining the nature and extent of any such obligation, the Contract shall be deemed to remain in force between the parties to the Contract.

Remedies

63.1 **Default of Contractor**

If the Contractor is deemed by law unable to pay his debts as they fall due, or enters into voluntary or involuntary bankruptcy, liquidation or dissolution (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), or becomes insolvent, or makes an arrangement with, or assignment in favour of, his creditors, or agrees to carry out the Contract under a committee of inspection of his creditors, or if a receiver, administrator, trustee or liquidator is appointed over any substantial part of his assets, or if, under any law or regulation relating to reorganization, arrangement or readjustment of debts, proceedings are commenced against the Contractor or resolutions passed in connection with dissolution or liquidation or if any steps are taken to enforce any security interest over a substantial part of the assets of the Contractor, or if any act is done or event occurs with respect to the Contractor or his assets which, under any applicable law has a substantially similar effect to any of the foregoing acts or events, or if the Contractor has contravened Sub-Clause 3.1, or has an execution levied on his goods, or Contract, if the Engineer certifies to the Employer, with a copy to the Contractor, that, in his opinion, the Contractor:

(a) has repudiated the Contract, or

(b) without reasonable excuse has failed

(i) to commence the Works in accordance with Sub-Clause 41.1,
(ii) to proceed with the Works, or any Section thereof, within 28 days after receiving notice pursuant to Sub-Clause 46.1,

(c) has failed to comply with a notice issued pursuant to Sub-Clause 37.4 or an instruction issued pursuant to Sub-Clause 39.1 within 28 days after having received it

(d) despite previous warning from the Engineer, in writing, is otherwise persistently or flagrantly neglecting to comply with any of his obligations under the Contract, or

(e) has contravened Sub-Clause 4.1,

then the Employer may, after giving 14 days' notice to the Contractor, enter upon the

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Site and the Works and terminate the employment of the Contractor without thereby releasing the Contractor from any of his obligations or liabilities under the Contract, or affecting the rights and authorities conferred on the Employer or the Engineer by the Contract, and may himself complete the Works or may employ any other contractor to complete the Works. The Employer or such other contractor may use for such completion so much of the Contractor's Equipment, Temporary Works and materials as he or they may think proper.

63.2 **Valuation at Date of Termination**

The Engineer shall, as soon as may be practicable after any such entry and termination by the Employer, fix and determine ex parte, or by or after reference to the parties or after such investigation or enquiries as he may think fit to make or institute, and shall certify:

(a) what amount (if any) had, at the time of such entry and termination, been reasonably earned by or would reasonably accrue to the Contractor in respect of work then actually done by him under the Contract, and

(b) the value of any of the said unused or partially used materials, any Contractor's Equipment and any Temporary Works.

63.3 **Payment after Termination**

If the Employer terminates the Contractor's employment under this Clause, he shall not be liable to pay to the Contractor any further amount (including damages) in respect of the Contract until the expiration of the Defects Liability Period and thereafter until the costs of execution, completion and remedying of any defects, damages for delay in completion (if any) and all other expenses incurred by the Employer have been ascertained and the amount thereof certified by the Engineer. The Contractor shall then be entitled to receive only such sum (if any) as the Engineer may certify would have been payable to him upon due completion by him after deducting the said amount. If such amount exceeds the sum which would have been payable to the Contractor on due completion by him, then the Contractor shall, upon demand, pay to the Employer the amount of such excess and it shall be deemed a debt due by the Contractor to the Employer and shall be recoverable accordingly.

63.4 **Assignment of Benefit of Agreement**

Unless prohibited by law, the Contractor shall, if so instructed by the Engineer within 14 days of such entry and termination referred to in Sub-Clause 63.1, assign to the Employer the benefit of any agreement for the supply of any goods or materials or services and/or for the execution of any work for the purposes of the Contract, which the Contractor may have entered into.

64.1 **Urgent Remedial Work**

If, by reason of any accident, or failure, or other event occurring to, in, or in connection with the Works, or any part thereof, either during the execution of the Works, or during the Defects Liability Period, any remedial or other work is, in the opinion of the Engineer, urgently necessary for the safety of the Works and the Contractor is unable or unwilling at once to do such work, the Employer shall be entitled to employ and pay other persons to carry out such work as the Engineer may consider necessary. If the work

or repair so done by the Employer is work which, in the opinion of the Engineer, the Contractor was liable to do at his own cost under the Contract, then all costs consequent thereon or incidental thereto shall, after due consultation with the Employer and the Contractor, be determined by the Engineer and shall be recoverable from the Contractor by the Employer, and may be deducted by the Employer from any monies due or to become due to the Contractor and the Engineer shall notify the Contractor accordingly, with a copy to the Employer. Provided that the Engineer shall, as soon after the occurrence of any such emergency as may be reasonably practicable, notify the Contractor thereof.

Special Risks

65.1 **No Liability for Special Risks**

The Contractor shall be under no liability whatsoever in consequence of any of the special risks referred to in Sub-Clause 65.2, whether by way of indemnity or otherwise, for or in respect of:

(a) destruction of or damage to the Works, save to work condemned under the provisions of Clause 39 prior to the occurrence of any of the said special risks;

(b) destruction of or damage to property, whether of the Employer or third parties, or

(c) injury or loss of life.

65.2 **Special Risks**

The Special Risks are:

(a) the risks defined under paragraphs (a), (c), (d) and (e) of Sub-Clause 20.4, and

(b) the risks defined under paragraph (b) of Sub-Clause 20.4 insofar as these relate to the country in which the Works are to be executed.

65.3 **Damage to Works by Special Risks**

If the Works or any materials or Plant on or near or in transit to the Site, or any of the Contractor's Equipment, sustain destruction or damage by reason of any of the said special risks, the Contractor shall be entitled to payment in accordance with the Contract for any Permanent Works duly executed and for any materials or Plant so destroyed or damaged and, so far as may be required by the Engineer or as may be necessary for the completion of the Works, to payment for:

(a) rectifying any such destruction or damage to the Works, and
(b) replacing or rectifying such materials or Contractor's Equipment,

and the Engineer shall determine an addition to the Contract Price in accordance with Clause 52 (which shall in the case of the cost of replacement of Contractor's Equipment include the fair market value thereof as determined by the Engineer) and shall notify the Contractor accordingly, with a copy to the Employer.

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65.4 **Projectile, Missile**

Destruction, damage, injury or loss of life caused by the explosion or impact, whenever and wherever occurring, of any mine, bomb, shell, grenade, or other projectile, missile, munition, or explosive of war, shall be deemed to be a consequence of the said special risks.

65.5 **Increased Costs arising from Special Risks**

Save to the extent that the Contractor is entitled to payment under any other provision of the Contract, the Employer shall repay to the Contractor any costs of the execution of the Work (other than such as may be attributable to the cost of reconstructing work condemned under the provisions of Clause 39 prior to the occurrence of any special risk) which are howsoever attributable to or consequent on or the result of or in any way whatsoever connected with the said special risks, subject however to the provisions in this Clause hereinafter contained in regard to outbreak of war, but the Contractor shall, as soon as any such cost comes to his knowledge, forthwith notify the Engineer thereof. The Engineer shall, after due consultation with the Employer and the Contractor, determine the amount of the Contractor's costs in respect thereof which shall be added to the Contract Price and shall notify the Contractor accordingly, with a copy to the Employer.

65.6 **Outbreak of War**

If, during the currency of the Contract, there is an outbreak of war, whether war is declared or not, in any part of the world which, whether financially or otherwise, materially affects the execution of the Works, the Contractor shall, unless and untill the Contract is terminated under the provisions of this Clause, continue to use his best endeavour to complete the execution of the Works. Provided that the Employer shall be entitled, at any time after such outbreak of war, to terminate the Contract by giving notice to the Contractor and, upon such notice being given, the Contract shall, except as to the rights of the parties under this clause and Clause 67, terminate, but without prejudice to the rights of either party in respect of any antecedent breach thereof.

65.7 **Removal of Contractor's Equipment on Termination**

If the Contract is terminated under the provisions of Sub-Clause 65.6, the Contractor shall, with all reasonable dispatch, remove from the Site all Contractor's Equipment and shall give similar facilities to his Subcontractors to do so.

65.8 **Payment if Contract Terminated**

If the Contract is terminated as aforesaid, the Contractor shall be paid by the Employer, insofar as such amounts or items have not already been covered by payments on account made to the Contractor, for all work executed prior to the date of termination at the rates and prices provided in the Contract and in addition:

(a) the amounts payable in respect of any preliminary items referred to in the Bill of Quantities, so far as the work or service comprised therein has been carried out or performed, and a proper portion of any such items which have been partially carried out or performed;

SMK CONSTRUCTION CO.

(b) the cost of materials, Plant or goods reasonably ordered for the Works which have been delivered to the Contractor or of which the Contractor is legally liable to accept delivery, such materials, Plant or goods becoming the property of the Employer upon such payments being made by him;

(c) a sum being the amount of any expenditure reasonably incurred by the Contractor in the expectation of completing the whole of the Works insofar as such expenditure has not been covered by any other payments referred to in this Sub-Clause;

(d) any additional sum payable under the provisions of Sub-Clauses 65.3 and 65.5;

(e) such proportion of the cost as may be reasonable, taking into account payments made or to be made for work executed, of removal of Contractor's Equipment under Sub-Clause 65.7 and, if required by the Contractor, return thereof to the Contractor's main plant yard in his country of registration or to other destination, at no greater cost; and

(f) the reasonable cost of repatriation of all the Contractor's staff and workmen employed on or in connection with the Works at the time of such termination.

Provided that against any payment due from the Employer under this Sub-Clause, the Employer shall be entitled to be credited with any outstanding balances due from the Contractor for advances in respect of Contractor's Equipment, materials and Plant and any other sums which, at the date of termination, were recoverable by the Employer from the Contractor under the terms of Contract. Any sums payable under this Sub-Clause shall, after due consultation with the Employer and the Contractor, be determined by the Engineer who shall notify the Contractor accordingly, with a copy to the Employer.

Release from Performance

66.1 **Payment in Event of Release from Performance**

If any circumstance outside the control of both parties arises after the issue of the Letter of Acceptance which renders it impossible or unlawful for either party to fulfill his or their contractual obligations, or under the law governing the Contract the parties are released from further performance, then the parties shall be discharged from the Contract, except as to their rights under this Clause and Clause 67 and without prejudice to the rights of either party in respect of any antecedent breach of the Contract, and the sum payable by the Employer to the Contractor in respect of the work executed shall be the same as that which would have been payable under Clause 65 if the Contract had been terminated under the provisions of Clause 65.

Settlement of Disputes

67.1 **Engineer's Decision**

If a dispute of any kind whatsoever arises between the Employer and the Contractor in connection with, or arising out of, the Contract or the execution of the Works, whether during the execution of the Works or after their completion and whether before or after repudiation or other termination of the Contract, including any dispute as to any opinion, instruction, determination, certificate or valuation of the Engineer, the matter in dispute shall, in the first place, be referred in writing to the Engineer, with a copy to the other

SMK CONSTRUCTION C.C.

party. Such reference shall state that it is made pursuant to this Clause. No later than the eighty-fourth day after the day on which he received such reference the Engineer shall give notice of his decision to the Employer and the Contractor. Such decision shall state that it is made pursuant to this Clause.

Unless the Contract has already been repudiated or terminated, the Contractor shall, in every case, continue to proceed with the Works with all due diligence and the Contractor and the Employer shall give effect forthwith to every such decision of the Engineer unless and until the same shall be revised, as hereinafter provided, in an amicable settlement or an arbitral award.

If either the Employer or the Contractor be dissatisfied with any decision of the Engineer, or if the Engineer fails to give notice of his decision on or before the eighty-fourth day on which he received the reference, then either the Employer or the Contractor may, on or before the seventieth day after the day on which he received notice of such decision, or on or before the seventieth day after the day on which the said period of 84 days expired, as the case may be, give notice to the other party, with a copy for information to the Engineer, of his intention to commence arbitration, as hereinafter provided, as to the matter in dispute. Such notice shall establish the entitlement of the party giving the same to commence arbitration, as hereinafter provided, as to such dispute and, subject to Sub-Clause 67.4, no arbitration in respect thereof may be commenced unless such notice is given.

If the Engineer has given notice of his decision as to a matter in dispute to the Employer and the Contractor and no notice of intention to commence arbitration as to such dispute has been given by either the Employer or the Contractor on or before the seventieth day after the day on which the parties received notice as to such decision from the Engineer, the said decision shall become final and binding upon the Employer and the Contractor.

67.2 **Amicable Settlement**

Where notice of intention to commence arbitration as to a dispute has been given in accordance with Sub-Clause 67.1, the parties shall attempt to settle such dispute amicably before the commencement of arbitration. Provided that, unless the parties otherwise agree, arbitration may be commenced on or after the fifty-sixth day after the day on which notice of intention to commence arbitration of such dispute was given, even if no attempt at amicable settlement thereof has been made.

67.3 **Arbitration**

Any dispute in respect of which:

(a) the decision, if any, of the Engineer has not become final and binding pursuant to Sub-Clause 67.1, and

(b) amicable settlement has not been reached within the period stated in Sub-Clause 67.2,

shall be finally settled, unless otherwise specified in the Contract, under the Rules of Conciliation and Arbitration of the International Chamber of Commerce by one or more arbitrators appointed under such Rules. The said arbitrator/s shall have full power to open up, review and revise any decision, opinion, instruction, determination, certificate or valuation of the Engineer related to the dispute.

Neither party shall be limited in the proceedings before such arbitrator/s to the evidence or arguments put before the Engineer for the purpose of obtaining his said decision pursuant to Sub-Clause 67.1. No such decision shall disqualify the Engineer from being called as a witness and giving evidence before the arbitrator/s on any matter whatsoever relevant to the dispute.

Arbitration may be commenced prior to or after completion of the Works, provided that the obligations of the Employer, the Engineer and the Contractor shall not be altered by reason of the arbitration being conducted during the progress of the Works.

67.4 **Failure to Comply with Engineer's Decision**

Where neither the Employer nor the Contractor has given notice of intention to commence arbitration of a dispute within the period stated in Sub-Clause 67.1 and the related decision has become final and binding, either party may, if the other party fails to comply with such decision, and without prejudice to any other rights it may have, refer the failure to arbitration in accordance with Sub-Clause 67.3. The provisions of Sub-Clause 67.1 and 67.2 shall not apply to any such reference.

Notices

68.1 **Notice to Contractor**

All certificates, notices or instructions to be given to the Contractor by the Employer or the Engineer under the terms of the Contract shall be sent by post, cable, telex or facsimile transmission to or left at the Contractor's principal place of business or such other address as the Contractor shall nominate for that purpose.

68.2 **Notice to Employer and Engineer**

Any notice to be given to the Employer or to the Engineer under the terms of the Contract shall be sent by post, cable, telex or facsimile transmission to or left at the respective addresses nominated for that purpose in Part II of these Conditions.

68.3 **Change of Address**

Either party may change a nominated address to another address in the country where the Works are being executed by prior notice to the other party, with a copy to the Engineer, and the Engineer may do so by prior notice to both parties.

Default of Employer

69.1 **Default of Employer**

In the event of the Employer:

(a) failing to pay to the Contractor the amount due under any certificate of the Engineer within 28 days after the expiry of the time stated in Sub-Clause 60.10 within which payment is to be made, subject to any deduction that the Employer is entitled to make under the Contract,

(b) interfering with or obstructing or refusing any required approval to the issue of any

SMK CONSTRUCTION CO.

such certificate,

(c) becoming bankrupt or, being a company, going into liquidation, other than for the purpose of a scheme of reconstruction or amalgamation, or

(d) giving notice to the Contractor that for economic reasons it is impossible for him to continue to meet his contractual obligations,

the Contractor shall be entitled to terminate his employment under the Contract by giving notice to the Employer, with a copy to the Engineer. Such termination shall take effect 14 days after the giving of the notice.

69.2 **Removal of Contractor's Equipment**

Upon the expiry of the 14 days' notice referred to in Sub-Clause 69.1, the Contractor shall, notwithstanding the provisions of Sub-Clause 54.1, with all reasonable despatch, remove from the Site all Contractor's Equipment brought by him thereon.

69.3 **Payment on Termination**

In the event of such termination the Employer shall be under the same obligations to the Contractor in regard to payment as if the Contract had been terminated under the provisions of Clause 65, but, in addition to the payments specified in Sub-Clause 65.8, the Employer shall pay to the Contractor the amount of any loss or damage to the Contractor arising out of or in connection with or by consequence of such termination.

69.4 **Contractor's Entitlement to Suspend Work**

Without prejudice to the Contractor's entitlement to interest under Sub-Clause 60.10 and to terminate under Sub-Clause 69.1, the Contractor may, if the Employer fails to pay the Contractor the amount due under any certificate of the Engineer within 28 days after the expiry of the time stated in Sub-Clause 60.10 within which payment is to be made, subject to any deduction that the Employer is entitled to make under the Contract, after giving 28 days' prior notice to the Employer, with a copy to the Engineer, suspend work or reduce the rate of work.

If the Contractor suspends work or reduces the rate of work in accordance with the provisions of this Sub-Clause and thereby suffers delay or incurs costs the Engineer shall, after due consultation with the Employer and the Contractor, determine:

(a) any extension of time to which the Contractor is entitled under Clause 44, and
(b) the amount of such costs, which shall be added to the Contract Price,

and shall notify the Contractor accordingly, with a copy to the Employer.

69.5 **Resumption of Work**

Where the Contractor suspends work or reduces the rate of work, having given notice in accordance with Sub-Clause 69.4, and the Employer subsequently pays the amount due, including interest pursuant to Sub-Clause 60.10, the Contractor's entitlement under Sub-Clause 69.1 shall, if notice of termination has not been given, lapse and the Contractor shall resume normal working as soon as is reasonably possible.

Changes in Cost and Legislation

70.1 **Increase or Decrease of Cost**

There shall be added to or deducted from the Contract Price such sums in respect of rise or fall in the cost of labour and/or materials or any other matters affecting the cost of the execution of the Works as may be determined in accordance with part II of these Conditions.

70.2 **Subsequent Legislation**

If, after the date 28 days prior to the latest date for submission of tenders for the Contract there occur in the country in which the Works are being or are to be executed changes to any National or State Statute, Ordinance, Decree or other Law or any regulation or bye-law of any local or other duly constituted authority, or the introduction of any such State Statute, Ordinance, Decree, Law, regulation or bye-law which causes additional or reduced cost to the Contractor, other than under Sub-Clause 70.1, in the execution of the Contract, such additional or reduced cost shall, after due consultation with the Employer and the Contractor, be determined by the Engineer and shall be added to or deducted from the Contract Price and the Engineer shall notify the Contractor accordingly, with a copy to the Employer.

Currency and Rates of Exchange

71.1 **Currency Restrictions**

If, after the date 28 days prior to the latest date for submission of tenders for the Contract, the Government or authorized agency of the Government of the country in which the Works are being or are to be executed imposes currency restrictions and/or transfer of currency restrictions in relation to the currency or currencies in which the Contract Price is to be paid, the Employer shall reimburse any loss or damage to the Contractor arising therefrom, without prejudice to the right of the Contractor to exercise any other rights or remedies to which he is entitled in such event.

72.1 **Rates of Exchange**

Where the Contract provides for payment in whole or in part to be made to the Contractor in foreign currency or currencies, such payment shall not be subject to variations in the rate or rates of exchange between such specified foreign currency or currencies and the currency of the country in which the Works are to be executed.

72.2 **Currency Proportions**

Where the Employer has required the Tender to be expressed in a single currency but with payment to be made in more than one currency and the Contractor has stated the proportions or amounts of other currency or currencies in which he requires payment to be made, the rate or rates of exchange applicable for calculating the payment of such proportions or amounts shall, unless otherwise stated in Part II of these Conditions, be those prevailing, as determined by the Central Bank of the country in which the Works are to be executed, on the date 28 days prior to the latest date for the submission of tenders for the Contract, as has been notified to the Contractor by the Employer prior to

SMK CONSTRUCTION CO.

the submission of tenders or as provided for in the Tender.

72.3 **Currencies of Payment for Provisional Sums**

Where the Contract provides for payment in more than one currency, the proportions or amounts to be paid in foreign currencies in respect of Provisional Sums shall be determined in accordance with the principles set forth in Sub-Clauses 72.1 and 72.2 as and when these sums are utilised in whole or in part in accordance with the provisions of Clauses 58 and 59.

REFERENCE TO PART II

SMK CONSTRUCTION CO.

PART 1 GENERAL CONDITIONS

INDEX	Clause
Access to Site	42.1
Access to Works, Engineer	37.1
Access, Contractor to Satisfy Himself	11.1
Accident or Injury to Workmen - Insurance Against	24.2
Accident or Injury to Workmen - Liability for	24.1
Address, Change of	68.3
Adequacy of Insurance	25.2
Adjustment of Contract Price if Variations Exceed 15 percent of Tender Sum	52.3
Agreement	9.1
Alterations, Additions and Omissions	51&52
Ambiguities in Contract Documents	5.2
Amicable Settlement of Disputes	67.2
Appointment of Assistants to Engineer	2.4
Approval by the Engineer	7.3
Approval of Materials not Implied	54.8
Approval Only by Defects Liability Certificate	61.1
Arbitration	67.3
Assignment of Contract	3.1
Avoidance of Damage to Roads	30.1
Bills of Quantities – Estimated Only	55.1
Boreholes and Exploratory Excavation	18.1
Breakdown of Lump Sum items	57.2
Care of works	20.1
Cash Flow Estimate to be Submitted	14.3
Certificate, Final	60.8
Certificate and Payment, Monthly Statements	60.1
Certificates, Correction of	60.4
Certificate, Taking-Over	48.1
Certification of Completion of Works	48.1
Certification of Completion of Sections or Parts	48.2
Cessation of Employer's Liability	60.9
Change of Address, Notice of	68.3
Claims, Contemporary Records	53.2
Claims, Notice of	53.1
Claims, Payment of	53.5
Claims, Substantiation of	53.3
Claims Under Performance Security	10.3
Clearance of Site on Completion	33.1
Commencement of Works	41.1
Completion of Works, Time for	43.1
Completion of Works, Time for, Extension of	44.1
Completion, Statement at	60.5
Compliance with Insurance Policy Conditions	25.4
Compliance with Statues and Regulations	26.1
Contemporary Records for Claims	53.2
Contract Agreement	9.1
Contractor Not Relieved of Duties or Responsibilities	14.4

INDEX	Clause
Contractor's Employees	16.1
Contractor's Employees, Engineer at Liberty to Object	16.2
Contractor's Entitlement to Suspend Work for Employer's Default	69.4
Contractor's Equipment, Conditions of Hire	54.5
Contractor's Equipment, Employer not Liable for Damage	54.2
Contractor's Equipment, Insurance of	21.1
Contractor's Equipment, Reference in Subcontracts	54.7
Contractor's Equipment, Temporary Works and Material, Exclusive Use for the Works	54.1
Contractor's Equipment, Transport of	30.2
Contractor's Failure to Carry Out Instructions	49.4
Contractor's Failure to Insure, Remedy	25.3
Contractor's General Responsibilities	8.1
Contractor's Superintendence	15.1
Contractor to Keep Site Clear	32.1
Contractor to Search	50.1
Correction of Certificates	60.4
Cost of Remedying Defects	49.3
Cost of Samples	36.2
Cost of Tests	35.3
Cost of Tests not Provided for	36.4
Covering up Work, Examination Before	38.1
Cross Liabilities	23.3
Currencies of Payment for Provisional Sums	72.3
Currencies, Rates of Exchange	72.1
Currency Restrictions	71.1
Custody and Supply of Drawings and Documents	6.1
Customs Clearance	54.3
Damage to Persons and Property	22.1
Damage to Roads, Avoidance of	30.1
Damage to Works, Special Risks	65.3
Damages, Liquidated	47.1
Dates for Inspection and Testing	37.3
Daywork	52.4
Decrease or Increase of Costs	70.1
Default of Contractor in Compliance with Instructions on Improper Work	39.2
Default of Contractor, Remedies for	63.1
Default of Employer	69.1
Defective Materials and Work	39.1
Defects, Contractor to Search for, if Required	50.1
Defects, Cost of Remedying	49.3
Defects Liability Certificate	62.1
Defects Liability Period	49.1
Defects, Remedying of	49.2
Definitions	1.1
Delay, Liquidated Damages for	47.1
Delays and Cost of Delay of Drawings	6.4
Design by Nominated Subcontractors	59.3
Discharge	60.7
Discrepancies in Documents	5.2
Dismissal of Contractor's Employees	16.2
Disorderly Conduct, etc.	34.1

INDEX	Clause
Dispute, Engineer's Decision	67.1
Disruption of Progress	6.3
Documents Mutually Explanatory	5.2
Drawings	6&7
Drawings and Documents - Custody and Supply of	6.1
Drawings and Instructions – Supplementary	7.1
Drawing, Copy to be Kept on Site	6.2
Drawings, Delays and Cost of Delay of Drawings	6.4
Drawings, Failure by Contractor to submit	6.5
Employer not liable for Damage to Contractor's Equipment etc.	54.2
Employer's Liability, Cession of	60.9
Employer's Responsibilities	19.2
Employer' Risks	20.4
Engagement of Staff and Labour	34.1
Engineer's Authority to Delegate	2.3
Engineer's Determination Where Tests not Provided for	36.5
Engineer's Duties and Authority	2.1
Engineer to Act Impartially	2.6
Environment – Protection of	19.1
Errors in Setting Out	17.1
Evidence and Terms of Insurance	25.1
Examination of Work before Covering Up	38.1
Exceptions	22.2
Exchange, Rates of	72.1
Exclusions	21.4
Extension of Time, due to Engineer's Failure to give Possession of Site	42.2
Extension of Time for Completion	44.1
Extension of Time for Completion, Contractor's Claims	44.2
Extension of Time for Completion, Engineer's Determination	44.3
Extraordinary Traffic	30.
Facilities for Other Contractors	31.2
Facilities - Rights of Way and	42.3
Failure by Contractor to Submit Drawings	6.5
Failure to Comply with Claims Procedure	53.4
Failure to Comply with Engineer's Decision	67.4
Failure to give Possession of Site	42.2
Faulty Work, Removal of	39.1
Fees and Notices	26.1
Fencing, Watching, Lighting, etc.	19.1
Final Payment Certificate	60.8
Final Statement	60.6
Foreign Currencies, Payment in	72.
Fossils	27.1
Foundations, Examination of	38.1
General Responsibilities of Contractor	8.1
Giving of Notices – Payment of Fees	26.1
Headings and Marginal Notes	1.2
Imporper Work and Materials, Removal of	39.1
Increase or Decrease of Costs	70.1
Indemnity by Contractor	22.1 & 24.1
Indemnity by Employer	22.3

INDEX	Clause
Independent Inspection	37.5
Injury to Persons – Damage to Property	22.1
Injury to Workmen	24.1
Inspection and Testing	37.2
Inspection of Testing , Dates for	37.3
Inspection of Foundations, etc.	38.1
Inspection of Operations	37.1
Inspection of Site by Contractor	11.1
Instructions for Variations	51.2
Instructions in Writing	2.5
Instructions, Supplementary	7.1
Insurance, Adequacy of	25.2
Insurance, Evidence and Terms of	25.1
Insurance, Minimum Amount of	23.2
Insurance of Works and Contractor's Equipment	21.1
Insurance,. Remedy on Failure to Insurance	25.3
Insurance, responsibility for Amounts not Recovered	21.3
Insurance, Scope of Cover	21.2
Insurance, Third Party	23.1
Insurance, Workmen	24.2
Interference with Traffic and Adjoining Properties	29.1
Interim Determination of Extension	44.3
Interpretations	1.3
Labour, Engagements of	34.1
Language/s and Law	5.1
Law to which Contract Subject	5.1
Legislation, Subsequent	70.2
Lighting, Fencing, Watching, etc.	19.1
Liquidated Damages for Delay	47.1
Liquidated Damages, Reduction of	47.2
Loss or Damage due to Employer's Risks	20.3
Loss or Damage – Responsibility to Rectify	20.2
Lump-Sum Items – Breakdown of	57.2
Materials and Plant, Transport of	30.3
Materials - Approval of, etc, not Implied	54.8
Materials, Improper – Removal of	39.1
Materials, Quality of	36.1
Materials, Supply of	8.1
Measurement by Engineer	56.1
Measurement, Method of	57.1
Measurement, Quantities Estimated Only	55.1
Methods of Construction	8.2
Minimum Amount of Insurance	23.2
Monthly Payments	60.2
Nominated Subcontractors, Certification of Payments to	59.5
Nominated Subcontractors, Definition	59.1
Nominated Subcontractors, Design by	59.3
Nominated Subcontractors, Objection to Nomination	59.2
Nominated Subcontractors, Payment of	59.4
Not Foreseeable Physical Obstructions or Conditions	12.2
Notice of Claims	53.1

INDEX	Clause
Notices and Fees, Payment of	26.1
Notices, Consents and Approvals	1.5
Notice to Contractor	68.1
Notice to Employer and Engineer	68.2
Objections to Contractor's Employees	16.2
Obstructions or Conditions - Not Foreseeable Physical	12.2
Omissions, Alterations and Additions	59.0
Openings, Uncovering and Making	38.2
Operations, Inspection of	37.1
Order of Work, Contractor to Furnish Programme	14.1
Other Contractors, Opportunities for	31.1
Patent Rights	28.1
Payment if Contract Terminated for Contractor's Default	63.3
Payment if Contract Terminated for Employer's Default	69.3
Payment of Claims	53.5
Payment, Time for	60.10
Performance Security	10.1
Performance Security – Claims Under	10.3
Performance Security – Period of Validity	10.2
Period of Defects Liability	49.1
Permanent Works Designed by Contractor	7.2
Physical Obstruction or Conditions – Not Foreseeable	12.2
Physical Obstruction or Conditions – Engineer's Determination	12.3
Plant and Materials, Transport of	30.3
Plant, Conditions of Hire	54.5
Plant, Customs Clearance	54.3
Plant, Employer not Liable for Damage to	54.2
Plant, etc. – Exclusive Use for the Works	54.1
Plant, Quality of	36.1
Plant, Re-export of	54.4
Plant, Removal of	39.1
Policy of Insurance – Compliance with Conditions	25.4
Possession of Site	42.1
Possession of Site, Failure to Give	42.2
Power of Engineer to Fix rates	52.2
Priority of Contract Documents	5.2
Programme to be Submitted	14.1
Progress – Disruption of	6.3
Progress-Rate of	46.1
Protection of Environment	19.1
Provision to Indemnify Contractor	22.3
Provision to Indemnify Employer	22.2
Provisional Sums, Currencies of Payment	72.3
Provisional Sums, Definition	58.1
Provisional Sums, Production of Vouchers	58.3
Provisional Sums, Use of	58.2
Quality of Materials and Workmanship	36.1
Quantities	55.1
Rate of Progress	46.1
Rates of Exchange	72.1
Rates, Power of Engineer to Fix	52.2

INDEX

	Clause
Rectification of Loss or Damage	20.2
Reduction of Liquidated Damages	47.2
Re-export of Plant	54.4
Regulations, Status etc. Compliance with	26.1
Rejection	37.4
Release from Performance	66.1
Remedies for Default of Contractor	63.1
Remedying of Defects,	49.2
Remedying of Defects, Cost of	49.3
Remedy on Contractor's Failure	25.3
Removal of Contractor's Employees	16.2
Removal of Contractor's Equipment	69.2
Removal of Improper Work, Materials or Plant	39.1
Removal of Plant, etc.	65.7
Responsibility to Rectify Loss or Damage	20.2
Responsibility Un-affected by Approval	7.3
Restriction on Working Hours	45.1
Resumption of Work	69.5
Retention Money, Payment of	50.3
Returns of Labour and Contractor's Equipment	35.1
Revised Programme	14.2
Rights of Way and Facilities	42.3
Risks, Employer's	20.4
Risks, Special	65.0
Roads, etc, - Damage by Extraordinary Traffic	30.1
Roads, Interference with Access to	29.1
Royalties	28.2
Safety, Security and Protection of the Environment	19.1
Samples, Cost of	36.2
Security, Safety and Protection of the Environment	19.1
Setting-Out	17.1
Singular and Plural	1.4
Site, Clearance on Completion	33.1
Site, Contractor to Keep Clear	32.1
Site Inspection by Contractor	11.1
Site Operations and Methods of Construction	8.2
Site, Possession of	42.1
Special Risks	65.0
Staff, Engagement of	34.1
Statement at Completion	60.5
Statement, Final	60.6
Statutes, Regulations, etc. – Compliance with	26.1
Subcontracting	4.1
Subcontractors, Nominated	59.0
Subcontractors, Responsibility of the Contractor for Acts and Default of	4.1
Subsequent Legislation	70.2
Substantial Completion of Sections or Parts	48.3
Sufficiency of Tender	12.1
Supply of Plant, Materials and Labour	8.1
Surfaces Requiring Reinstatement	48.4
Supervision, Engineer's Determination	40.2

INDEX

	Clause
Suspension lasting more than 84 days	40.3
Suspension of Work	40.1
Taking Over Certificate	48.1
Taking Over of Sections or Parts	48.2
Tender Documents	11.1
Tender, Sufficiency of	12.1
Termination of Contract by Employer	63.1
Termination of Contract by Employer, Assignment of Benefit	63.4
Terms of Insurance	25.1
Tests, Cost of	36.3
Test not Provide for – Cost of	36.4
Third Part Insurance	23.1
Time for Completion	43.1
Time for Completion, Extension of	44.1
Time for Payment	60.10
Traffic, Extraordinary	30.1
Traffic Interference with	29.1
Traffic Waterborne	30.4
Transport of Contractor's Equipment and Temporary Works	30.2
Transport of Materials and Plant	30.3
Uncovering Work and Making Openings	38.2
Unfulfilled Obligations	62.2
Urgent Remedial Work	64.1
Valuation at Date of Termination by the Employer	63.2
Variations	51.1
Variations, Daywork Basis	52.4
Variations, Exceeding 15 percent	52.3
Variations, Instructions for	51.2
Variations, Power of the Engineer to Fix Rates	52.2
Variations, Valuation of	51.3
Vouchers Production of	58.3
War, Outbreak of	20.4
Watching and Lighting, etc.	19.1
Waterborne Traffic	30.4
Work, Examination of Before Covering Up	38.1
Work, Improper, Removal of	39.1
Working Hours, Restriction of	45.1
Workmanship, Quality of	36.1
Workmen, Accident or Injury to	24.1
Works, Care of	20.1
Works, Completion of (Defects Liability Certificate)	62.1
Works Commencement of	41.1
Works Insurance of	21.1
Works Remedying of Defects	49.2
Works, Time for Completion of	43.1
Works to be Measured	56.1
Works, Suspension of	40.1
Work to be in Accordance with the Contract	13.1

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PART II
CONDITIONS OF PARTICULAR APPLICATION

PARTICULAR CONDITIONS OF CONTRACT – PART-II

TABLE OF CONTENTS

Clause	Title
1.1	Definitions
2.1	Engineer's Duties and Authority
2.2	Engineer's Representative
2.5 (a)	Employer's Instructions
2.7	Engineer Not Liable
2.8	Replacement of the Engineer
5.1	Language(s) and Law
5.2	Priority of Contract Documents
6.6	Shop Drawings
6.7	As-Built Drawings
9.1	Contract Agreement
10.1	Performance Security
10.4	Performance Security Binding on Variations and Changes
10.5	Approved Insurance Companies for Performance Security
13.1	Works to be in accordance with contract
14.1	Programme to be Submitted
14.3	Cash Flow Estimate to be Submitted
14.5	Detailed Programme and Monthly Progress Report
15.2	Language Ability of Contractor's Representative
15.3	Contractor's Representative
16.3	Language Ability of Superintending Staff of Contractor
16.4	Employment of Local Personnel
19.1	Safety, Security and Protection of Environment
19.1.1	Safety of Engineers and Works
19.1.2	Watching and Lighting
19.3	Safety Precautions
19.4	Lighting Works at Night
20.1	Care of Works
20.4	Employer's Risks
21.4	Exclusions
22.1	The Contractor to Protect Utilities
22.4	Indemnity by Contractor
25.1	Evidence and Terms of Insurance
25.5	Insurance Company
26.1	Compliance with Statutes Regulations, etc.
29.2	Notices to Adjoining Property Owners
29.3	Giving of Notices and Payment of Fees
30.2	Transport of Contractor's Equipment or Temporary Works
30.3	Transport of Material or Plant
31.3	Co-operation with Other Contractors
33.1	Clearance of Site on Completion
34.2	Rates of Wages and Conditions of Labour
34.3	Employment of Persons in the Service of Others
34.4	Housing for Labour
34.5	Health and Safety
34.6	Epidemics
34.7	Supply of Water
34.8	Alcoholic Liquor or Drugs

Clause	Title
34.9	Arms and Ammunition
34.10	Festivals and Religious Customs
34.11	Disorderly Conduct
34.12	Compliance by Subcontractors
34.13	Day and Night Work and Work on Sundays or Holidays
35.2	Records of Safety and Health
35.3	Reporting of Accidents
36.6	Use of Pakistani Materials and Services
41.1	Commencement of Works
47.3	Bonus for Early Completion of Works
48.2	Taking Over of Sections or Parts
51.2	Instructions for Variations
52.1	Valuation of Variations
52.4	Day Work
53.4	Failure to Comply
54.5	Conditions of Hire of Contractor's Equipment
56.1	Works to be Measured
59.4	Payments to Nominated Sub-contractors
59.5	Evidence of Payments & Nominated Sub-contractors
60.1	Monthly Statements
60.10	Time for Payment
60.12	Financial Assistance to Contractor
63.1	Default of Contractor
65.2	Special Risks
65.3	Damage to Work by Special Risks
65.8	Payment if Contract Terminated
67.3	Arbitration
68.1	Notice to Contractor
68.2	Notice to Employer and Engineer
69.3	Payment on Termination
70.1	Increase or Decrease of Cost
71.1	Currency Restrictions
72.1	Rates of Exchange
73.1	Payment of Income Tax
73.4	Adherence to Labour Laws
74.1	Integrity Pact
75.1	Termination of Contract for Employer's Convenience
76.1	Liability of Contractor
77.1	Joint and Several Liabilities
78.1	Details to be Confidential

PART II - PARTICULAR CONDITIONS OF CONTRACT

1.1 DEFINITIONS AND INTERPRETATIONS

(a)(i) The Employer is **PROJECT DIRECTOR, SINDH PARLIAMENTARIAN RESIDENCES, KARACHI**. Wherever the term Client or Owner appears in the Tender Document, it shall mean the "Employer".

(a)(iv) The Engineer is **M/S. OSMANI & COMPANY (PVT.) LTD.**
Consulting Engineers, Osmani House, 245/2K, Block-6, PECHS, Karachi
Phones: 021-34536007 / 008, 34546541 / 42, Fax: 021-34534691
Email: oci-khi@osmani.com Web: www.osmani.com

or any other competent person appointed by the Employer, and notified to the Contractor, to act in replacement of the Engineer. Provided always that except in cases of professional misconduct, the outgoing Engineer to formulate his certifications / recommendations in relation to all outstanding matter, disputes and claims relating to the execution of the Works during his tenure.

Wherever the term Consultant or Consultants appears in the Bidding Documents, it shall mean the "Engineer" and vice-versa.

Employer's Representative
Any person appointed by the Employer from time to time shall be deemed the Employer's Representative, who shall have the authority to enter in to work site, inspect the work for insuring the quality.

(a)(vii) **Labourers/Workmen** mean such labourers/ workmen and staff as may be employed by the Contractor for the purpose of carrying out the works specified in the Contract.

(a)(viii) "Bidder or Tenderer" means any person or persons, company, corporation, firm or joint venture submitting a Bid or Tender.

(b)(v) Add the following at the end of the paragraph:

The word "Tender" is synonymous with "Bid" and the word "Tender Documents" with "Bidding Document".

(b)(ix) "Programme" means the programme to be submitted by the Contractor in accordance with Sub-Clause 14.1 and any approved revisions thereto.

(b)(x) FIDIC means FEDERATION INTERNATIONAL DES INGENIEURS CONSEILS (International Federation of Consulting Engineers)

(e)(i) Delete the text and substitutes:
"Contract Price" means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works subject to such additions thereto or deductions therefrom as may be made and remedying of any defects therein in accordance with the provisions of the Contract.

(h) **Approved/ Approval** means approved/ approval in writing by Engineer / Employer or their representative specified in "Conditions of Contract".

(i) When the terms **acceptable, satisfactory, proper** or other such general qualifying terms are used in the Contract it shall be understood that reference is made to the sole ruling and the sole judgment of the Employer representative or

* (If in the opinion of the Engineer an emergency occurs affecting the safety of life or of the Works or of adjoining property, the Engineer may, without relieving the Contractor of any of his duties and responsibilities under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Employer.)

The following Sub-Clauses 2.5(a) & (b), 2.7 and 2.8 are added:

2.5 (a) Employer's Instructions

The Employer/ Engineer through its representative may in absolute discretion and from time to time issue written instructions, details, directions and explanations which are hereafter collectively referred to as "Employer's Instructions". The Employer/Engineer shall have the right to reject any materials, workmanship or equipment, which does not conform to the Contract and to suspend any work that is being improperly done. The Engineer's decision as to the construction and meaning of the drawings and specifications shall be final. Precedent or opinion as to what is useful or standard practice shall not be held to affect the status of the Engineer decision in any way or to relieve the Contractor from full responsibility and compliance with all requirements of the specification and plans.

(b) The Employer/ Engineer shall have the right to inspect and supervise the work. The inspection and supervision of the work by the Engineer shall not relieve the Contractor of his full responsibility and liability of careful and faultless execution of the work.

2.7 Engineer not Liable

Approval, reviews and inspection by the Engineer of any part of the Works does not relieve the Contractor from his sole responsibility and liability for the supply of materials, plant and equipment for construction of the Works and their parts in accordance with the Contract and neither the Engineer's authority to act nor any decision made by him in good faith as provided for under the Contract whether to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Engineer to the Contractor, any Subcontractor, any of their representatives or employees or any other person performing any portion of the Works.

2.8 Replacement of the Engineer

"If the Employer intends to replace the Engineer, the Employer shall, not less than 14 days before the intended date of replacement, give notice to the Contractor, of the name, address and relevant experience of the intended replacement Engineer. The Employer shall not replace the Engineer with a person against whom the Contractor raises reasonable objection by notice to the Employer, with supporting particulars."

5.1 Language(s) and Law

(a) The Contract Documents, shall be drawn up in the English language
(b) The Contract shall be subject to the Laws of Islamic Republic of Pakistan.

5.2 Priority of Contract Documents

The documents listed at (1) to (6) of the Sub-Clause are deleted and substituted with the following:

(1) The Contract Agreement;

14.1 Programme to be submitted

In line two of Clause 14.1 General Condition of Contract Part-I after the word "consent" add "oblique approval of Employer" and in the third line the text "as the Engineer shall reasonably prescribe" is substituted by "as acceptable to the Engineer".

Add the following sub paras -

(a) The contractor shall submit two copies of the program prepared on Project Management Software Primavera P3 or MS Project with in 14 days from the date of receipt of letter of Acceptance/ commencement shown in first written work schedule for labour employment and material procurement.

(b) The time schedule may be adjusted from time to time but the contractual/ completion date shall remain unchanged unless extension of time is approved by the Employer in accordance with the contract conditions.

The Contractor shall submit the programe of work before issuance of Letter of Acceptance on final primavera (Level III). The Contract must also attach monthly progress schedule in terms of Percentage of project as described in Appendix-E to Bid which will be considered as Scheduled Progress.

The approval by the Engineers of the programme shall not relieve the Contractor or the Employer from any obligation under the contract.

14.3 Cash Flow Estimate to be submitted

The detailed Cash Flow Estimate shall be submitted within 21 days from the date of receipt of Letter of Acceptance.
Add the following Sub-Clause:

14.5 Detailed Programme and Monthly Progress Report

a) For purposes of Sub-Clause 14.1, the Contractor shall submit to the Engineer detailed programme for the following:

(1) Execution of Works;
(2) Labour Employment;
(3) Local Material Procurement;
(4) Material Imports, if any, and
(5) Other details as required by the Engineer.

(b) During the period of the Contract, the Contractor shall submit to the Engineer not later than the 8th day of the following month, 10 copies each of Monthly Progress Reports covering:

(1) A Construction Schedule indicating the monthly progress in percentage;
(2) Description of all work carried out since the last report;
(3) Description of the work planned for the next 56 days sufficiently detailed to enable the Engineer to determine his programme of inspection and testing;
(4) Monthly summary of daily job record;
(5) Photographs to illustrate progress; and
(6) Information about problems and difficulties encountered, if any, and proposals to overcome the same.

(c) During the period of the Contract, the Contractor shall keep a daily record of the work progress, which shall be made available to the Engineer as and when requested. The daily record shall include particulars of weather conditions,

(2) The Letter of Acceptance;
(3) The completed Form of Bid;
(4) Specification - Special Provision
(5) Special Stipulations (Appendix-A to Bid),
(6) The Particular Conditions of Contract - Part II;
(7) The General Conditions - Part I;
(8) Tender Drawings;
(9) Specifications - Technical Provisions
(10) The completed Appendices to Bid (B, C, E to O);
(11) The priced Bill of Quantities (Appendix-D to Bid);
(12) _____ (any other)

In case of discrepancies between drawings, those of larger scale shall govern unless they are superseded by a drawing of later date regardless of scale. All Drawings and Specifications shall be interpreted in conformity with the Contract and these Conditions. Addendum, if any, shall be deemed to have been incorporated at the appropriate places in the documents forming the Contract.

5.3 Contract Documents are Mutually Complementary

The Contract Documents are complementary and what is called for by any one shall be as binding as if called for by all.

5.5 Marginal Headlines, Titles

The table of contents/ index, titles, headings, running headlines and marginal notes contained therein and/ or in said documents are solely to facilitate reference to the various provisions of Contract document and in no way shall affect limit or cast light upon the interpretation of provisions to which they refer in case of doubt, conflict in respect of interpretation of General Condition of Contract, shall prevail.

6.1 Custody and Supply of Drawings and Documents

In line seven of Clause 6.1 General Condition of Contract Part-I after word "Certificate" add "or earlier completion / cancellation of contract".

The Sub-Clauses 6.6 and 6.7 are added:

6.6 Shop Drawings

The Contractor shall submit to the Engineer for review 3 copies of all shop and erection drawings applicable to this Contract as per provision of relevant Sub-Clause of the Contract.

Review and approval by the Engineer shall not be construed as a complete check but will indicate only that the general method of construction and detailing is satisfactory and that the Engineer's review or approval shall not relieve the Contractor of any of his responsibilities under the Contract.

6.7 As-Built Drawings

At the completion of the Works under the Contract, the Contractor shall furnish to the Engineer 6 copies and one reproducible of all drawings amended to conform with the Works as built. The price of such Drawings shall be deemed to be included in the Contract Price.

his Engineer.

(j) The Word **Equivalent or Equal** where used in these documents in the general sense shall not mean similar but shall mean "**Conforming to, of Like Kind Quality and Function Proprietary Items**" and "**Trade Name**" are used for the purposes of establishing a standard of "**Kind Quality and Function**" and "**Equivalent**" items, articles, things or materials will be approved if held to be "**Equivalent**" by the Engineer.

The following paragraph is added:-

(h) "Scheduled Progress" means the monthly Percentage progress as described in Schedule C of Instruction to Bidders.

2.1 Engineer's Duties and Authority

With reference to Sub-Clause 2.1(b), the following provisions shall also apply;

The Engineer shall obtain the specific approval of the Employer before carrying out his duties in accordance with the following Clauses:

(i) Consenting to the sub-letting of any part of the Works under Sub-Clause 4.1 "Subcontracting".

(ii) Certifying additional cost determined under Sub-Clause 12.2 "Not Foreseeable Physical Obstructions or Conditions".

(iii) Any action under Clause 10 "Performance Security" and Clauses 21, 23, 24 & 25 "Insurance" of sorts.

(iv) Any action under Clause 40 "Suspension".

(v) Any action under Clause 44 "Extension of Time for Completion".

(vi) Any action under Clause 47 "Liquidated Damages for Delay" or Payment of Bonus for Early Completion of Works (PCC Sub-Clause 47.3).

(vii) Issuance of "Taking Over Certificate" under Clause 48.

(viii) Issuing a Variation Order under Clause 51,except:
a) in an emergency* situation, as stated herebelow, or
b) if such variation would increase the Contract Price by less than the amount stated in the Appendix-A to Bid.

(ix) Fixing rates or prices under Clause 52.

(x) Extra payment as a result of Contractor's claims under Clause 53.

(xi) Release of Retention Money to the Contractor under Sub-Clause 60.3 "Payment of Retention Money".

(xii) Issuance of "Final Payment Certificate" under Sub-Clause 60.8.

(xiii) Issuance of "Defect Liability Certificate" under Sub-Clause 62.1.

(xiv) Any change in the ratios of Contract currency proportions and payments thereof under Clause 72 "Currency and Rate of Exchange".

number of men working, deliveries of materials, quantity, location and assignment of Contractor's equipment.

15.1 Contractor's Superintendence

Replace Clause 15.1 of General Conditions of Contract Part-I by following

The Contractor shall be responsible to give or provide all necessary superintendence and efficient supervision during the execution of the work using his best skill and attention and as long thereafter as the Engineer may consider necessary for the proper fulfilling of the Contractor's obligations under the Contractor. A competent Agent / Project Manager, registered with Pakistan Engineering Council as Professional Engineer and duly authorized through a power of attorney (whose qualification and appointment shall be approved in writing by the Engineer / Employer which approval may at any time be withdrawn) is to be constantly posted on the works and shall give his whole time to superintendence of the same.

If such approval shall be withdrawn by the Engineer/Employer the Contractor shall as soon as is practicable (having regard to the requirement of replacing him as hereinafter mentioned) after receiving written notice of such withdrawal, remove the Agent from the site and shall not thereafter employ him again on the site in any capacity and shall promptly replace him by another agent approved by the Engineer with consent of Employer.

The Agent shall receive on behalf of the Contractor, directions or instructions from the Engineer or (subject to the limitations of Clause 2 hereof) the representative of the Engineer. The approval by the Engineer of the qualifications and appointment of Contractor, his agent or representatives for superintendence of the Work shall not relive the Contractor of any of his duties or responsibilities under the Contract. The Engineer shall have the right to remove from the site any of the Contractor's or his sub-contractor's personnel because of misconduct and/ or incompetence of which the Engineer shall be the sole judge.

In addition to the Contractor's Agent, the contractor shall employ reasonable number of Engineers. The number of Engineers employed should be in accordance with quantum of work and should be approved by the Engineer. The manpower schedule shall be submitted by the contractor alongwith work schedule for the approval of the Engineer. The Employer / Engineer shall have the right to retain and / or deduct from contractor's bills an adequate amount of money, if the contractor fails to perform his obligations in terms and conditions of this clause.

15.2 Language Ability of Contractor's Representative

The Contractor's authorised representative shall be fluent in the English language. Alternately an interpreter with ability of English language shall be provided by the Contractor on full time basis.

15.3 Contractor's Representative

The Contractor's authorised representative and his other professional engineers working at site shall register themselves with the Pakistan Engineering Council.

The Contractor's authorised representative at site shall be authorised to exercise adequate administrative and financial powers on behalf of the Contractor so as to achieve completion of the Works as per the Contract.

The following Sub-Clauses 16.3 and 16.4 are added:

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16.3 Language Ability of Superintending Staff of Contractor

A reasonable proportion of the Contractor's superintending staff shall have a working knowledge of the English language. If the Contractor's superintending staff is not fluent in English language, the Contractor shall make competent interpreters available during all working hours in a number deemed sufficient by the Engineer.

16.4 Employment of Local Personnel

The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labour from sources within Pakistan.

19.1 Safety, Security and Protection of Environment

Add in Sub Clause (c) of clause 19.1 General Conditions of Contract Part-I, after word "Operation" The contractor shall stand liable for any loss to property, or life and shall indemnify the Employer against such claim, charges and proceedings if any.
Add Sub Clause (d):-

In order to minimize the negative impacts during construction stage proper planning to mitigate adverse impacts is, therefore, imperative. The Contractor shall carry out the mitigation measures according to the guidelines and satisfaction of the client. Mitigation measures to be taken to minimize negative impacts due to vehicular emissions, noise, vibrations, dust and exhaust gases. Mitigation measures against damage to utilities and traffic arrangement during construction are the contractor's responsibility. Contractor should combat the problem of inadequate backfilling of trenches/ excavations. Environmental monitoring is to be performed as per environmental Monitoring Plan.

The works carried out as above shall not be measured for payment under this section directly and the cost of such works will be considered to be included in other items of work given in the Bill of Quantities.

19.1.1 Safety of Engineers and Works

The Contractor shall throughout the execution and completion be responsible to take all necessary precautions for the safety of Employees on the work, and shall comply with all applicable safety laws and building codes to prevent accident or injury to persons on, about or adjacent to the places where the work is being performed. The Contractor shall provide at works site before commencement of work, sufficient and in good working condition life saving equipments, first aid kit etc.

19.1.2 Watching and Lighting

The Contractor shall in connection with the works provide and maintain at his own cost all lights, guards fencing and watching when and where necessary as required by the Engineer or the Representative of the Engineer or by any duly constituted authority for the protection of the works or for the safety and convenience of the public or others.

19.3 Safety Precautions

In order to provide for the safety, health and welfare of persons, and for prevention of damage of any kind, all operations for the purposes of or in connection with the Contract shall be carried out in compliance with the Safety Requirements of the Government of Pakistan with such modifications thereto as the Engineer may authorise or direct and the Contractor shall take or cause to be taken such further measures and comply with such further requirements as the Engineer may determine to be reasonably necessary for such purpose.

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The Contractor shall make, maintain and submit reports to the Engineer concerning safety, health and welfare of persons and damage to property, as the Engineer may from time to time prescribe.

19.4 Lighting Works at Night

In the event of work being carried out at night the Contractor shall at his own cost, provide and maintain such good and sufficient light as will enable the work to proceed satisfactorily and without danger. The approaches to the Site and the Works where the night-work is being carried out shall be sufficiently lighted. All arrangement adopted for such lighting shall be to the satisfaction of the Engineer's Representative.

20.1 Care of Works

Add Sub Para (c) & (d) at the end

(c) The Contractor shall in addition to the requirement indicated herein protect any utility and work of any kind against damage or interruption of services except as specifically directed or authorized by the Engineer. In case of any damages the same shall be repaired and or restored promptly by or at the expense of the Contractor without cost to the Employer.

(d) The Employer/Engineer shall have the right to retain and / or deduct from contractor's bill an adequate amount of money due to the contractor if the contractor fails to perform his obligations in terms and conditions of this clause.

20.4 Employer's Risks

The Employer's Risks are:

Delete the text and substitute with the following:

(a) insofar as they directly affect the execution of the Works in Pakistan:
   i. War and hostilities (whether war be declared or not), invasion, act of foreign enemies
   ii. Rebellion, revolution, insurrection, or military or usurped power, or civil war;
   iii. Ionizing radiations, or contamination by radioactivity from any nuclear r fuel, or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof
   iv. Pressure waves caused by aircraft or other aerial devices traveling at sonic or supersonic speeds,
   v. Riot, commotion or disorder, unless solely restricted to the employees of the Contractor or of his Subcontractors and arising from the conduct of the Works.

(b) loss or damage due to the use or occupation by the Employer of any Section or part of the permanent works, except as may be provided for in the Contract.

(c) loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible; and

(d) any operation of the forces of nature (insofar as it occurs on the Site) which an experienced contractor:-

   i. Could not have reasonably foreseen, or
   ii. Could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures -

(a) prevent loss or damage to physical property from occurring by taking appropriate measures, or
(b) Insure against.

21.4 Exclusions

The text is deleted and substituted with the following:

There shall be no obligation for the insurances in Sub-Clause 21.1 to include loss or damage caused by the risks listed under Sub-Clause 20.4 paras (a) (i) to (iv).

Add the following after 22.1(b)

22.1 The Contractor to Protect Utilities

(c) The Contractor shall conduct his operations, make necessary arrangements, take suitable precautions and perform all required work incident to the protection of and avoidance of interference with power transmission, telegraph, telephone and natural gas lines, oil lines water and sewerage mains and other utilities within the areas of his operations in connection with this Contract and the cost thereof shall be borne by the Contractor and the Contractor shall save harmless and indemnify the Employer in respect of all claims, demands, proceedings, costs, charges and expenses whatsoever arising out of or in relation to any such interference.

(d) The Contractor shall make good, at his own cost, all damages to telephone, telegraph and electric cables or wires, sewer, water or other pipes except where the Authority, Employer or Private Party owing or responsible for the same elects to make good the damage.

All injury to the surface of the land, to the beds of water courses, Protecting Banks, riverbeds, etc. Where disturbed by the works (other than where specifically ordered by the Employer), shall be repaired by the Contractor or the Authorities concerned, at the Contractor's expense. All such making good shall be to the satisfaction of the Employer.

22.4 Indemnity by Contractor

The contractor shall pay and indemnify the employer against liability in respect of all claims proceedings, damages, cost, charges, fee and expenses incurred for no fault of employer and resulting from any act, omission or neglect of contractor, subcontractor, his agents or servants. These indemnifications, obligations shall be limited to claims, damages, loses and expenses which are attributable to bodily injury, sickness, disease or death or injury to or destruction of physical property (other than work), including consequential loss of use. Such obligation shall also be limited to the extent that such claims, damages, loses or expenses are caused in whole or in part by a breach of duty of care imposed by law on the contractor or any one directly or indirectly employed by the contractor.

25.1 Evidence and Terms of Insurance

In line three of Clause 25.1 General Conditions of Contract Part-I substitute "84 days" by "28 days".

The following Sub-Clause 25.5 is added:

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25.5 Insurance Company

The Contractor shall be obliged to place all insurance relating to the Contract (including, but not limited to, the insurances referred to in Clauses 21, 23 and 24) with either National Insurance Company of Pakistan or any other insurance company operating in Pakistan having atleast AA rating from PACRA/ JCR.

The cost of complying with requirements of this Clause shall be borne by the Contractor. The Contractor shall be liable for deductible losses not covered by insurance. The Insurance Policy shall state:-

(1) The Employer shall receive at least 30 calendar days written notice of Intended Cancellation or change effect in coverage.

(2) The Contractor is fully responsible to provide full indemnity to Employer in respect of liability against loss or damage.

26.1 Compliance with Statutes Regulations, etc.

Add Sub Paras (c) and (d) at the end of 26.1 of General Conditions of Contract Part-I

(c) The Employer presupposes that the Contractor has cognizance of all laws of Pakistan pertaining to the execution of the work. The Contractor shall confirm in all respects with the provisions of any such statute, ordinance or law as aforesaid and the regulations or by-laws of any local or other duly constituted authority which may be applicable to the works or public bodies and companies as aforesaid and shall keep the Employer indemnified against all penalties and liability of every kind for breach of any such statute, ordinance, law regulation or by-law. If the Contractor observes that the drawings and specifications are at variance therewith, he shall promptly notify the Employer/ Engineer in writing and any necessary changes shall be adjusted as provided in the Contract for changes in the work. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations and without such notice to the Employer, he shall bear all costs arising there from.

(d) The Contractor and his sub-contractors shall convey, store and make use of all explosives, dangerous petroleum acetylene, carbide of calcium and other similar material provided by them for use in or on the works in strict accordance with the provision of all laws, orders and regulations that are in force at the Site or may be issued from time to time by the Government.

29.2 Notices to Adjoining Property Owners

The Contractor shall send or cause to be sent written notices to Owners of property adjacent to the Site or which may be affected in any way by the performance of the work contemplate notifying them as to the extent of the work included in so far as it affect surrounding property and complying with local ordinance and laws.

29.3 Giving of Notices and Payment of Fees

The Contractor shall give all notices and pay all fees and charges required to be given or paid be any national or state statute, ordinance or other law or any regulation or by-law of any local or other duly constituted authority in relation to the execution of the work or of any temporary works and by the rule and regulations of all public bodies and companies whose property of rights are affected or may be affected in any way by the works or any temporary works.

30.2 Transport of Contractor's Equipment or Temporary Work,

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In line six of Clause 30.2 General Conditions of Contract Part-I, after word "bridge" add "or gas line or any kind of utility lines".

30.3 Transport of Material or Plant

In line one of Clause 30.3 General Conditions of Contract Part-I after word "bridge" add "gas line, or any kind of utility lines".

31.3 Co-operation with other Contractors

During the execution of the Works, the Contractor shall co-operate fully with other Contractors working for the Employer at and in the vicinity of the Site and also shall provide adequate precautionary facilities not to make himself a nuisance to local residents and other Contractors.

33.1 Clearance of Site on Completion

At the end of Clause 33.1 General Conditions of Contract Part-I add following:-

The Employer/ Engineer shall have the right to retain an adequate amount of money due to the Contractor until the site is cleaned up and all damages made good.

34.2 Rates of Wages and Conditions of Labour

The contractor shall pay rates of wages and observe conditions of labour not less favorable than those established for the trade or industry where the work is carried out. In the absence of any rates of wages or conditions of labour so established, the Contractor shall pay rates of wages and observe conditions of labour which are not less favorable than the general level of wages and conditions observed by other employers whose general circumstances in the trade or in industry in which the Contractor is engaged are similar.

34.3 Employment of Persons in the Service of Others

The Contractor shall not recruit his staff and labour from amongst the persons in the services of the Employer or the Engineer, except with the prior written consent of the Employer or the Engineer, as the case may be.

34.4 Housing for Labour

Save insofar as the Contract otherwise provides, the Contractor shall provide and maintain such housing accommodation and amenities as he may consider necessary for all his supervisory staff and labour, employed for the purposes of or in connection with the Contract including all fencing, electricity supply, sanitation, cookhouses, fire prevention, water supply and other requirements in connection with such housing accommodation or amenities. On completion of the Contract, unless otherwise agreed with the Employer, the temporary camps or housing provided by the Contractor shall be removed and the Site reinstated, to its original condition, all to the approval of the Engineer.

34.5 Health and Safety

Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labour at all times throughout the period of the Contract. The Contractor shall further ensure that suitable arrangements are made for the prevention of epidemics and for all necessary welfare and hygiene requirements.

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34.6 Epidemics

In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government, or the local medical or sanitary authorities, for purpose of dealing with and overcoming the same.

34.7 Supply of Water

The Contractor shall, so far as is reasonably practicable, having regard to local conditions, provide on the Site, to the satisfaction of the Engineer or his representative, adequate supply of drinking and other water for the use of his staff and labour.

34.8 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Statutes, Ordinances and Government Regulations or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or suffer any such importation, sale, gift, barter or disposal by his Subcontractors, agents, staff or labour.

34.9 Arms and Ammunition

The Contractor shall not give, or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit or suffer the same as aforesaid.

34.10 Festivals and Religious Customs

The Contractor shall in all dealings with his staff and labour have due regard to all recognized festivals, days of rest, religious, and other customs.

34.11 Disorderly Conduct

The Contractor shall at all times take all reasonable precautions to prevent any unlawful riotous or disorderly conduct by or amongst staff and labour and for the preservation of peace and protection of persons and property in the neighborhood of the Works against the same.

34.12 Compliance by Subcontractors

The Contractor shall be responsible for compliance by his Subcontractors of the provisions of this Clause.

Add the following Sub-Clauses:

34.13 Day and Night Work and Work on Sundays or Holidays

Unless otherwise stated in the Contract, the Works shall be executed in the day only within normal working hours. No work shall be carried out on Site on Sundays (locally recognised as day of rest) and on gazetted holidays, without the consent in writing of the Engineer except if the work is unavoidable or absolutely necessary for the saving of life or property or for the safety of the works in which case the Contractor shall immediately advise the Engineer. The Engineer shall not unreasonably withhold any such consent save in exceptional circumstances, nor do so if work on rest days or on gazetted holidays is considered by the Contractor to be necessary to meet the Time for Completion.

In case the contractor needs to work after normal working hours or on Sunday or holidays, he shall get specific approval before hand from the Engineer giving at least 2

days advance written notice. In such case, the contractor undertakes his liability to pay the Engineer for such extra working hours (beyond normal working hours) of the Engineer's staff on duty on overtime payable to the Engineer by the 15th day of next month.

If the contractor works at night then he will have sufficient lighting arrangement at site of work and at way leaves also. He will also take necessary measures to avoid any accident.

Cost of overtime is deemed to be included in the Contract Price and no additional payment shall be made by the Employer to the Contractor under any circumstances.

35.2 Records of Safety and Health

The Contractor shall maintain such records and make such reports concerning safety, health and welfare of persons and damage to property as the Engineer may from time to time prescribe.

35.3 Reporting of Accidents

The Contractor shall report to the Engineer details of any accident as soon as possible after its occurrence. In the case of any fatality or serious accident, the Contractor shall, in addition notify the Engineer immediately by the quickest available means.

The following Sub-Clause 36.6 is added:

36.6 Use of Pakistani Materials and Services

The Contractor shall, so far as may be consistent with the Contract make the maximum use of materials, supplies, plant and equipment indigenous to or produced or fabricated in Pakistan and services, available in Pakistan provided such materials, supplies, plant, equipment and services shall be of required standard.

41.1 Commencement of Works

The text is deleted and substituted with the following:

The Contractor shall commence the Works on Site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the Contractor shall proceed with the Works with due expedition and without delay.

Add the following sub-clause: -

46.1 Rate of Progress

Text is replaced with following:-

The Contractor Shall ensure that rate of progress does not fall below 20% of Scheduled Progress as reflected in the programme of work (submitted before issuance of letter of acceptance)

If for any reason, which does not entitle the Contractor to an extension of time, the rate of progress of the Works or any Section is at any time, in the opinion of the Engineer, is below 20% of Scheduled Progress as reflected in the programme of work, then the Client will have prerogative to either terminate the contract or reduce/delete portion of work if the contractor fails to improve the progress within 45 days of receipt of notice under this Clause. The Engineer shall so notify the Contractor who shall thereupon take

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such steps as are necessary, subject to the consent of the Engineer, to expedite progress. The Contractor shall not be entitled to any additional payment for taking such steps. If, as a result of any notice given by the Engineer under this Clause, the Contractor considers that it is necessary to do any work at night or on locally recognized days of rest, he shall be entitled to seek the consent of the Engineer so to do. Provided that if any steps taken by the Contractor in meeting his obligations under this Sub-Clause, involve the Employer in additional supervision costs, such costs shall, after due consultation with the Employer and the Contractor, be determined by the Engineer and shall be recoverable from the Contractor by the Employer, and may be deducted by the Employer from any moneys due or to become due to the Contractor and the Engineer shall notify the Contractor accordingly, with a copy to the Employer."

47.3 Bonus for Early Completion of Works

The Content of the Clause is deleted.

48.2 Taking over of Sections or Parts.

At the end add;

"Taking over of sections or parts may be considered at the sole discretion of Employer / Engineer".

51.2 Instructions for Variations

In second line of Clause 51.2 General Conditions of Contract, after the word "Engineer", add the words "in writing".

52.1 Valuation of Variations

In the thirteenth line of Clause 52.1 General Conditions of Contract, after the words "Engineer shall" the following is added

"Within a period not exceeding one-eight of the completion time subject to a minimum of 56 days from the date of disagreement whichever is later".
Add following;

"If the rates and prices in the contract shall not be applicable in the opinion of the Engineer new rates shall be fixed by the Engineer on twenty percent (20%) as contractor's overhead and profit on the basic cost plus applicable taxes.

52.4 Day work

In line one of Clause 52.4 General Conditions of Contract Part-I after word "Engineer" add with "consent of Employer".

53.4 Failure to Comply

Delete this Sub-Clause in its entirety and substituted with the following

"If the Contractor fails to comply with any of the provisions of this Clause i.e. 53, the Contractor shall not be entitled to any additional payment, and the Employer shall be discharged from any liability in connection with the claim".

54.5 Condition of Hire of Contractor's Equipment

The following paragraph is added:

The Contractor shall, upon request by the Engineer at any time in relation to any item of hired Contractor's Equipment, forthwith notify the Engineer in writing the name and address of the Owner of the equipment and shall certify that the agreement for the hire thereof contains a provision in accordance with the requirements set forth above.

56.1 Works to be Measured

In line two of Clause 56.1 General Conditions of Contract Part-I after word "Works" add "deviations / amendments".

59.4 Payments to Nominated Sub-Contractors

The Contractor shall pay to the nominated Subcontractor the amounts which the Engineer certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with Clause 58 [Provisional Sums], except as stated in Sub-Clause 59.5 [Certification of Payments].

59.5 Certification of Payments & Nominated Subcontractors

Before issuing a Payment Certificate which includes an amount payable to a nominated Subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

a) submits reasonable evidence to the Engineer, or

b) i) satisfies the Engineer in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and

ii) submits to the Engineer reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement,

then the Employer may (at his sole discretion) pay direct to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Employer, the amount which the nominated Subcontractor was directly paid by the Employer.

60.1 Monthly Statement

Sub-Clause 60.1 of the General Conditions of Contract is deleted and is substituted with the following Sub-Clause.
The Contractor shall submit on the basis of the joint measurement of work done under clause 56.1, to the Engineer after the end of each month, Six (6) copies, each signed by the Contractor's representative approved by the Engineer in accordance with Sub-Clause 15.1, of a statement, in a tabulated form approved by the Engineer, showing the amounts to which the Contractor considers himself to be entitled. The statement shall include the following items, as applicable, which shall be taken into account in the sequence listed.

(a) The value of the works executed up to the end of the month in question.

(b) The actual value certified for payment for the works executed up to the end of the previous month.

(c) The value of the executed works for the month in question, obtained by

deducting (b) from (a);

(d) The value of any variation executed up to the end of the month in question, less the amount certified in the previous Interim Payment Certificate;

(e) Any amount reflecting changes in cost and legislation, pursuant to Clause 70;

(f) any amount to be withheld for retention, determined by applying the percentage of retention stated in the Appendix A to Bid, to the amount due to the contractor, until the amount so retained by the Employer reaches the limit of Retention Money (if any) stated in the Appendix to Bid;

(g) Any other additions or deductions which may have become due in accordance with the Contract or otherwise.

After verification of monthly statement by the Engineer, the contractor shall make six (6) copies of the same on his own cost and submit the same to the Engineer.

60.2 Monthly Payments

Following paragraph is added at the end of the Clause.

"The Engineer shall not be bound to issue an Interim Payment Certificate if the Contractor has not submitted the progress reports in accordance with paragraph (b) of Clause 14.5 and such information as shall be mutually agreed in writing between the Employer and the Contractor".

60.10 Time for Payment

The text is deleted and substituted with the following:

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall , subject to Clause 47, be paid by the Employer to the Contractor within 30 days after such Interim Payment Certificate has been jointly verified by Employer and Contractor, or, in the case of the Final Certificate referred to in Sub Clause 60.8, within 60 days after such Final Payment Certificate has been jointly verified by Employer and Contractor. Provided that the Interim Payment shall be caused in 42 days and Final Payment in 60 days in case of foreign funded project. In the event of the failure of the Employer to make payment within the times stated, the Employer shall pay to the Contractor compensation at the 28 days rate of KIBOR+2% per annum for local currency and LIBOR+1% for foreign currency, upon all sums unpaid from the date by which the same should have been paid. The provisions of this Sub-Clause are without prejudice to the Contractor's entitlement under Clause 69.

60.12 Financial Assistance to Contractor

Financial assistance shall be made available to the Contractor by the Employer as following:

(a) An interest-free Mobilization Advance of 10% of the Contract Price stated in the Letter of Acceptance shall be paid by the Employer to the Contractor in two equal parts upon submission by the Contractor of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Scheduled/ Commercial Bank in Pakistan acceptable to the Employer.

(1) First pa.. within 14 days after signing of the Contract Agreement or date of receipt of Engineer's Notice to Commence, whichever is earlier, and

(2) Second part within 42 days from the date of payment of the first part, subject to the satisfaction of the Engineer as to the state of mobilization of the Contractor.

(b) This Advance shall be recovered @ 10% of each bill of the contractor till the time the whole of the Mobilization Advance is recovered before the date of completion of works as per Clause 43 hereof.

On full recovery of the Mobilization Advance, the Employer will return the said Guarantee to the Contractor duly discharge. However, the Employer will be at liberty to encash the Bank Guarantee of the Contractor, if the Contractor fails to extend the said guarantee 15 days before the expiry date of the guarantee.

63.1 Default of Contractor

The following para is added at the end of the Sub-Clause:

Provided further that in addition to the action taken by the Employer against the Contractor under this Clause, the Employer may also refer the case of default of the Contractor to Pakistan Engineering Council for punitive action under the Construction and Operation of Engineering Works Bye-Laws 1987, as amended from time to time.

65.2 Special Risks

The text is deleted and substituted with the following:

The Special Risks are the risks defined under Sub-Clause 20.4 sub paragraphs (a) (i) to (a) (v).

65.3 Damage to Work by Special Risks

In first line of Clause 65.3 General Conditions of Contract Part-I after word "on" delete the words" or near or in transit" and in line five after word "plant" add word "on site" and delete all words after "damaged".

65.8. Payment if Contract Terminated

Sub Para (b) of clause 65.8 is replaced with following:-

The cost of materials, plant or goods of the Contractor which has been delivered at site for execution of work, such material, plant or goods becoming property of the Employer upon such payment being made by him.

67.3 Arbitration

In the sixth to eighth lines of Clause 67.3 General Conditions of Contract Part-I, the words "shall be finally settled .....appointed under such Rules" are deleted and substituted with the following:

"shall be finally settled under the provisions of the Arbitration Act, 1940 as amended or any statutory modification or re-enactment thereof for the time being in force".

Add the following paragraph:

The place of arbitration shall be Karachi, Pakistan.

68.1 Notices to Contractor

Add the following paragraph:

For the purposes of this Sub-Clause, the Contractor shall, immediately after receipt of Letter of Acceptance, intimate in writing to the Employer and the Engineer by registered post, the address of his principal place of business or any change in such address during the period of the Contract.

68.2 Notices to Employer and Engineer

For the purpose of this Sub-Clause, the respective addresses are:

a) The Employer is **PROJECT DIRECTOR, SINDH PARLIAMENTARIAN RESIDENCES, KARACHI**

b) The Engineer is **M/S. OSMANI & COMPANY (PVT.) LTD**. Consulting Engineers, Architects and Planners 245/2-K, Block-6, PECHS, Karachi-75400. Tel: (92-21) 34536007/ 08, 34546541/ 42 Fax: (92-21) 34534691,
Email : ocl-khi@osmani.com, Website : www.osmani.com

69.3 Payment on Termination

In line one of Clause 69.3 General Conditions of Contract Part-I after word "termination" add "except for clause 65 or no fault of contractor" and in line five word "any loss" is replaced with "work completed".

70.1 Increase or Decrease of Cost

Sub-Clause 70.1 is deleted in its entirety, and substituted with the following:

The amounts payable to the Contractor, pursuant to Sub-Clause 60.1, shall be adjusted in respect of the rise or fall in the cost of labor, materials, and other inputs to the Works, by applying to such amount the formula prescribed in this Sub-Clause.

(a) Other Changes in Cost

To the extent that full compensation for any rise or fall in costs to the Contractor is not covered by the provisions of this or other Clauses in the Contract, the unit rates and prices included in the Contract shall be deemed to include amounts to cover the contingency of such other rise or fall of costs.

(b) Adjustment Formula

The adjustment to the monthly statements in respect of changes in cost shall be determined from the following formula:-

$$Pn = A + b\frac{Ln}{Lo} + c\frac{Mn}{Mo} + d\frac{En}{Eo} + \ldots\ldots\ldots\ldots$$

Where:

Pn is a price adjustment factor to be applied to the amount for the payment of the work carried out in the subject month, determined in accordance with Paragraph 60.1 (a), and with Paragraphs 60.1 (b) and (e), where any variations and daywork are not otherwise subject to adjustment;

A is a constant, specified in Appendix-C to Bid, representing the nonadjustable portion in contractual payments;

b, c, d, etc., are weightages or coefficients representing the estimated proportion of each cost element (labour, cement and reinforcing steel etc.) in the Works or Sections thereof, net of Provisional Sums and Prime Cost; the sum of A, b, c, d, etc., shall be one;

Ln, Mn, En, etc., are the current cost indices or reference prices of the cost elements for month "n", determined pursuant to Sub-Clause 70.1(d), applicable to each cost element, and

Lo, Mo, Eo, etc., are the base cost indices or reference prices corresponding to the above cost elements at the date specified in Sub-Clause 70.1(d).

(c) Sources of Indices and Weightages

The sources of indices shall be those listed in Appendix-C to Bid, as approved by the Engineer. As the proposed basis for price adjustment, the Contractor shall have submitted with his bid the tabulation of Weightages and Source of Indices if different than those given in Appendix-C to Bid, which shall be subject to approval by the Engineer.

(d) Base, Current, and Provisional Indices

The base cost indices or prices shall be those prevailing on the day 28 days prior to the latest date for submission of bids. Current indices or prices shall be those prevailing on the day 28 days prior to the last day of the period to which a particular monthly statement is related. If at any time the current indices are not available, provisional indices as determined by the Engineer will be used, subject to subsequent correction of the amounts paid to the Contractor when the current indices become available.

(e) Adjustment after Completion

If the Contractor fails to complete the Works within the Time for Completion prescribed under Clause 43, adjustment of prices thereafter until the date of completion of the Works shall be made using either the indices or prices relating to the prescribed time for completion, or the current indices or prices, whichever is more favorable to the Employer, provided that if an extension of time is granted pursuant to Clause 44, the above provision shall apply only to adjustments made after the expiry of such extension of time.

(f) Weightages

The weightages for each of the factors of cost given in Appendix-C to Bid shall be adjusted if, in the opinion of the Engineer, they have been rendered unreasonable, unbalanced, or inapplicable as a result of varied or additional work executed or instructed under Clause 51. Such adjustment(s) shall have to be agreed in the variation order.

71.1 Currency Restrictions

Delete this Sub-Clause in its entirety.

Add the following Sub-Clause:

72.1 Rates of Exchange

Sub-Clause 72.1 is deleted in its entirety.

73.1 Payment of Income Tax

The Contractor, Subcontractors and their employees shall be responsible for payment of all their income tax, super tax and other taxes on income arising out of the Contract and the rates and prices stated in the Contract shall be deemed to cover all such taxes.

Add the following Sub-Clause:

73.4 Adherence to Labour Laws

The contractor shall be responsible to adhere to all labour laws whether central or provincial and get themselves registered with the relevant department including but not limited to department of Sindh Employees Social Security Institution Karachi (S.E.S.S.I.) and EOBI department and shall be responsible to pay all dues in this regard to the concerned department. The employer reserves the right to ask the contractor to provide evidence of registration and payments if and when required. Further more the contractor shall indemnify the employer and the engineer for any claim/payments etc. in this regard.

74.1 Integrity Pact

If the Contractor or any of his Subcontractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Appendix-L to his Bid, then the Employer shall be entitled to:

(a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Subcontractors, agents or servants;

(b) terminate the Contract; and

(c) recover from the Contractor any loss or damage to the Employer as a result of such termination or of any other corrupt business practices of the Contractor or any of his Subcontractors, agents or servants.

The termination under Sub-Para (b) of this Sub-Clause shall proceed in the manner prescribed under Sub-Clauses 63.1 to 63.4 and the payment under Sub-Clause 63.3 shall be made after having deducted the amounts due to the Employer under Sub-Para (a) and (c) of this Sub-Clause.

75.1 Termination of Contract for Employer's Convenience

The Employer shall be entitled to terminate the Contract at any time for the Employer's convenience after giving 56 days prior notice to the Contractor, with a copy to the Engineer. In the event of such termination, the Contractor,

(a) Shall proceed as provided in Sub-Clause 65.7 hereof; and
(b) Shall be paid by the Employer as provided in Sub-Clause 65.8 hereof.

Add the following Sub-Clause:

76.1 Liability of Contractor

The Contractor or his Subcontractors or assigns shall follow strictly, all relevant labour laws including the Workmen's Compensation Act and the Employer shall be fully indemnified for all claims, damages etc. arising out of any dispute between the Contractor, his Subcontractors or assigns and the labour employed by them.

Add the following Sub-Clause:

77.1 Joint and Several Liabilities

If the Contractor is a joint venture of two or more persons, all such persons shall be jointly and severally bound to the Employer for the fulfillment of the terms of the Contract and shall designate one of such persons to act as leader with authority to bind the joint venture. The composition or the constitution of the joint venture shall not be altered without the prior consent of the Employer.

Add the following Sub-Clause:

78.1 Details to be Confidential

The Contractor shall treat the details of the Contract as private and confidential, save in so far as may be necessary for the purposes thereof, and shall not publish or disclose the same or any particulars thereof in any trade or technical paper or elsewhere without the prior consent in writing of the Employer or the Engineer. If any dispute arises as to the necessity of any publication or disclosure for the purpose of the Contract, the same shall be referred to the decision of the Engineer whose award shall be final.

79.1 New Clause 79.1 added
(SPPRA Rules Supersedes Other Rules)

Notwithstanding anything contained in the Bid documents, the Sindh Public Procurement Rules 2010 (SPPRA-2010), as prepared by the Government of Sindh, Services, General, Administration and Coordination Department (Regulation Wing) vide notification No. SRO(SGA&CD)2-30/2010 dated March 8, 2010, shall be applicable and shall supersede any clause contained in the Bid documents contrary to SPPRA-2010.

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SPECIFICATION – SPECIAL PROVISION

SPECIFICATIONS - SPECIAL PROVISIONS

TABLE OF CONTENT

1. DESCRIPTION OF PROJECT

1.1. General

2. THE SITE

2.1. Site of Works

3. WORK UNDER THE CONTRACT

3.1. General Description

4. GENERAL RULES OF SPECIFICATIONS

5. DRAWINGS

5.1. Bidding Drawings
5.2. Construction Drawings, Supplementary Drawings
5.3. Definition of Term Drawings
5.4. Checking of Drawings
5.5 Copies of Drawings
5.6. Drawings to be Furnished by the Contractor

6. SETTING OUT OF WORK AND SURVEY

6.1 Reference Points, Lines
6.2. Verification
6.3. Survey Instruments
6.4. No work without Joint Survey

7. APPROVAL OF MATERIALS AND PLANT

7.1. Quality of Materials
7.2. Submission of Samples and Data
7.3. Testing
7.4. Testing Laboratory Certificates
7.5 Inspection
7.6 Approved Sample at Site
7.7. Site Laboratory

8. CONSTRUCTION SCHEDULE

8.1. Submittal Date
8.2. Requirements
8.3. Monthly Reports

9. NOT USED

10. SITE OFFICE AND TEMPORARY FACILITIES PROVIDED BY THE CONTRACTOR

10.1. Contractor's Office, Facilities etc.
10.2. Notice Board
10.3. Engineer's Office

11. OTHER FACILITIES FOR ENGINEER'S PERSONNEL PROVIDED BY THE CONTRACTOR

11.1. Furnishing and Maintaining Transportation Facilities

12. SAFETY

12.1. Accident Prevention, Protective Equipment

13. PAYMENT FOR WORK REQUIRED BY SPECIAL PROVISIONS

28. ATTENDANCE OF MEETINGS

29. DOCUMENTS NOT TO BE ALTERED OR MUTILATED

30. PERSONAL LIABILITY OF PUBLIC OFFICIALS

31. ACCESS AND EXISTING ROADS

32. FIRST AID FACILITIES

33. FINAL HAND-OVER

34. EMPLOYER AND ENGINEER NOT PERSONALLY LIABLE

35. PROGRESS PHOTOGRAPHS

36. SITE ORDER BOOK

37. BAR BENDING SCHEDULES

38. REPORT ON PROGRESS OF WORK AND PHOTOGRAPHS

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SPECIFICATIONS - SPECIAL PROVISIONS

1. DESCRIPTION OF PROJECT

1.1. General

The Employer intends to construct residences for Sindh Parliamentarians at Karachi.

2. THE SITE

2.1. Site of Works

The Site of the Works is the area for construction lying within the right-of-way lines, boundaries and limits shown on the Drawings and any such additional areas adjacent thereto as may be designated by the Engineer from time to time for the construction to be performed under the Contract, and all such areas and additional areas shall be comprised in the Site as defined in Clause 1 of the Conditions of Contract.

The Employer will give to the Contractor possession of the area designated and defined as the Site and shown on the drawing as may be required to implement as much of the Works, when the Engineer's Notice to Commence the Works is given.

3. WORK UNDER THE CONTRACT

3.1. General Description

The Contract comprises the execution and completion of the Works, remedying of any defects therein, maintenance of utility services, and the provisions of all labour, materials, equipment, plant and everything whether of a temporary or permanent nature required in and for such execution, completion, remedying and maintenance so far as the necessity for providing the same is specified or can reasonably be inferred from the Contract.

The following description of the Works to be performed under this Contract is general in nature and is not intended to describe all of the facilities to be provided under this Contract.

CONSTRUCTION OF SINDH PARLIAMENTARIANS RESIDENCES, KARACHI

4. GENERAL RULES OF SPECIFICATIONS

a) Specification or as Specified

Specification" or "as specified" refers to the specifications outlined in these Documents and where no specifications are available for any work or where the same are found not applicable then the relevant applicable ASTM or BSS specifications or equivalent standards shall apply in the same order.

Any item for which no specifications are outlined but which are identified on drawings, shall be completed according to the standards as per ASTM / BSS, these include items that may be added in the future. The Employer / Employer's Representative may supplement such specifications during the progress of work. All materials and processes used for these items shall be subjected to standard testing and, if found below the pertinent ASTM / BSS standards, shall be removed from the site immediately at Contractor's expense.

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b) **Standards and Codes**

Wherever reference is made in the specifications to the respective standards and codes in accordance to which goods and materials are to be furnished, and work is to be performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly set forth in the Contract.

c) **Materials and Processes**

All goods and materials to be incorporated in the Works shall be new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

d) **Equivalent Materials, Processes, etc.**

Where specific materials, processes, etc are specified and the same are not available other alternative materials and processes which ensure an equal or higher quality than those specified will be accepted subject to the Employer / Employer's Representative's prior review and written approval. The Contractor has to establish the non-availability of specified material prior to applying for equivalent differences between the those specified and the proposed alternatives must be fully described in writing by the Contractor and submitted to the Employer / Employer's Representative at least 30 days prior to the date when the Contractor desires the Employer / Employer's Representative's approval who may give such approval after determining that the alternative proposed ensures equal or higher quality.

e) **Approved, Directed, Instructed**

Approved, directed, instructed means the approval, etc. of the Employer / Employer's Representative unless otherwise stated.

f) **Alternatives**

Where alternative materials, processes etc., are specified the selection will depend on local conditions and discretion rests with the Employer / Employer's Representative whose decision shall be final and binding.

g) **Catalogues / Standards / Manufacturer's Instructions, etc.**

Wherever the manufacturer's/supplier's instructions, manuals, guarantees and ASTM/BSS Standards are referred to in the specifications and details of Bills of Quantities, all such literature shall be submitted by the Contractor to the Employer / Employer's Representative for due checking, approval and record.

h) **Applicability**

Unless stated or specified else-where to the contrary these General Rules shall apply to all sections of work irrespective of their sequence, location and description.

5. DRAWINGS

5.1. Bid Drawings

Bid Drawings issued with the Bid Documents, called the Bid Drawings, show scope of the work to be performed by the Contractor. The Drawings are generally in sufficient detail so as to be used as a basis for construction, fabrication and for placing orders for materials subject to corrections based on the future issue of supplementary Drawings as provided under Sub-Clause 5.2 hereof.

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5.2. Construction Drawings, Supplementary Drawings

After award of Contract, the Contractor shall carry out "Joint Survey" at Site of Works in pursuance to Sub-Clause 6.4, Specifications - Special Provisions. The Contractor shall submit to the Engineer "Joint Survey", duly signed, dated and stamped by the representatives of the Employer, Consultant and Contractor.

Simultaneously, the Contractor shall submit to the Engineer detailed "Work Programme" in terms of Sub-Clause 14.1 Conditions of Contract.

After receipt of "Joint Survey" and "Work Programme" from the Contractor, the Engineer will start issuing Construction Drawings to the Contractor. The Engineer shall have authority to issue to the Contractor, from time to time, such Supplementary Drawings and instructions as shall be necessary for the purpose of the proper and adequate execution and completion of the Works and the remedying of any defects therein. The Contractor shall follow these Drawings.

The Contractor shall give notice to the Engineer regarding the part of the Drawings which in his opinion contain discrepancies or are not clear. The Engineer shall issue necessary clarifications or Supplementary Drawings in greater details as required to execute the Works. These Supplementary Drawings showing changes from the Bid Drawings, in the opinion of the Contractor, shall be reviewed by the Engineer for his determination of adjustment of the Contract Price under Clause 51 and 52 of the Conditions of Contract.

5.3. Definition of Term Drawings

The term Drawings as used in the Specifications means the Drawings referred in Clauses 5.1 and 5.2 hereof.

5.4. Checking of Drawings

The Contractor shall check all Drawings carefully as soon as practicable after receipt thereof, and shall promptly notify the Engineer of any errors discovered.

5.5. Copies of Drawings

Drawings will be issued to the Contractor as described below.

5.5.1. Bid Drawings

One (1) set of the Bid Drawings will be issued to the Contractor alongwith Bid Documents. Additional sets will be provided at cost of reproduction upon written request of the Contractor.

5.5.2. Construction Drawings / Supplementary Drawings

One (1) print of each Construction Drawings / Supplementary Drawing will be issued to the Contractor free of charge. Additional sets will be provided at cost of reproduction upon written request of the Contractor.

5.6. Drawings to be Furnished by the Contractor / As-Built Drawings

The Contractor shall submit to the Engineer for review of such drawings as required under the Contract, sufficiently in advance of the work intended to be executed.

The Contractor shall, at all times, keep on Site a separate set of prints on which all significant changes between the work shown on the Drawings and that which is actually constructed, shall be noted neatly, accurately and promptly as the work progresses. The Subcontractor(s) for plumbing, mechanical and electrical shall, at all times, keep on Site,

a separate set of prints of the drawings (showing their parts of the Works) on which all significant changes between the work shown on the Drawings and that which is actually constructed, shall be noted neatly, accurately and promptly as the work progresses. Such drawings shall show the exact physical location and configuration of the works as actually installed.

The Contractor shall, within fourteen (14) days of issuance Taking-Over Certificate for whole of the Works, furnish to the Engineer for his approval two (2) copies of such marked up drawings. One (1) copy of each of the marked up drawings approved by the Engineer shall be returned to the Contractor by the Engineer and these shall be used for the preparation of the As - Built Drawings.

The Contractor shall furnish to the Engineer six (6) complete sets of all As -Built Drawings as well as AutoCAD soft copy within thirty (30) days of receipt of drawings stated above, from the Engineer.

5.7. Shop Drawings & Design

The Contractor to prepare and provide detailed shop drawings & design, for all the required items as per the instructions and approval of the Employer/ Engineer and as mentioned in Bidding documents and drawings including but not limited to Architectural, Structural, Road works, Hard & Soft Landscaping, Electrical, Water Supply, Drainage, ICT or any related electro-mechanical works apart from Bar-bending schedule, etc. All drawings should be prepared based on the rules, regulation and requirements of the concerned departments and should be prepared electronically on latest venison of AutoCAD, hard copies along with soft copies on CD's shall be submitted for the approval of Engineer as per the Nos. required in Scope of Work.

6. SETTING OUT OF WORK AND SURVEY

6.1. Reference Points, Lines

The Contractor shall establish bench marks and / or reference line at the Site in accordance with the instructions of the Engineer. The Contractor shall set out its work from these bench marks and / or lines.

6.2. Verification

The Engineer may make checks as the work progress to verify lines and grades established by the Contractor and to determine the conformance of the work as it progresses with the requirements of the Drawings and Specifications. Such checking by the Engineer shall not relieve the Contractor of his responsibility to perform all work in accordance with the Drawings and Specifications and the lines and grades given therein.

6.3. Survey Instruments

The Contractor shall maintain at the Site the requisite surveying instruments in perfect working conditions for the use of the Engineer's Representative to check levels and lines of the work at all times. These instruments shall include (but not limited to) One Total Station, Adequate nos. of Levels, theodolites, Tapes, etc.

6.4. No work without Joint Survey

The Contractor shall not start any physical work on site until the Joint Survey has been done to establish the existing ground levels.

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7. APPROVAL OF MATERIALS AND PLANT

7.1. Quality of Materials

All materials, fixtures, fittings, supplies and plant furnished under the Contract shall be new and unused, standard first grade quality and of the best workmanship and design. No inferior or low-grade materials, supplies or articles will be either approved or accepted, and all work of assembly and construction shall be done in a first-class and workmanlike manner. In asking for prices for materials intended for delivery to the Site and incorporation in the Works under any portion of these Specifications, the Contractor shall provide the manufacturer or supplier with complete information as may be necessary to secure compliance to this Clause and, in every case, he shall quote this Clause in full to each such manufacturer or supplier.

7.2. Submission of Samples and Data

The Contractor shall submit within 02 months of award of Contract, for the approval of the Engineer, required shop drawings, catalogues, samples and other descriptive data for all mechanical, electrical, architectural and such other materials and plant designated by the Engineer, which the Contractor proposes for use under this Contract. For certain materials and plant, data may be required to be submitted in accordance with a detail form furnished by the Engineer. Samples of materials (2 sets) shall be submitted by the Contractor to the Engineer at Contractor's cost for approval sufficiently in advance of the materials intended to be incorporated in the Works.

The required shop drawings and samples are not provided by the Contractor, Employer will deduct sufficient amount from the monthly IPC of Contractor.

7.3. Testing

Testing, except as otherwise specified herein, shall be performed by a testing agency as proposed by the Contractor and approved by the Engineer, at no extra cost to the Employer. The Engineer may require all testing to be carried out under his supervision only.

The quality control testing shall be performed by the Contractor's competent personnel in accordance with a site testing as approved by the Engineer. The Contractor shall keep a complete record of all quality tests programme performed on Site.

7.4. Testing Laboratory Certificates

The Engineer may accept a certificate from a commercial testing laboratory, satisfactory to him, certifying that the product has been tested within a period acceptable to the Engineer and that it conforms to the requirements of these Specifications.

7.5. Inspection

All material and Plant furnished and all work performed under this Contract will be subject to inspection by the Engineer at all times and in all states of completion both off-Site and on-Site. The Contractor shall furnish promptly without additional charge, all facilities, labour and materials reasonably needed for performing such inspection and testing as may be required by the Engineer.

7.6. Approved Sample at Site

The Contractor shall, at all times, keep on the Site approved samples. All such samples shall be made available to the Engineer/ Employer as and when required.

7.7. Site Laboratory

The Contractor shall establish a Site laboratory for the purpose of necessary testing. The laboratory equipment shall remain the Contractor's property at all times.

8. CONSTRUCTION SCHEDULE

8.1. Submittal Date

The programme of Works submitted by the Contractor in accordance with Clause 14 "Programme to be Submitted", of the Conditions of Contract shall be submitted in the form of a detailed schedule based on a computerized network analysis covering all construction activities indicating critical activities with critical path, resource scheduling for Contractor's Equipment, material and labour, within the period stated in the Appendix A to Bid. All the milestone shall be clearly identified.

8.2. Requirements

The detailed submittal shall consist of schedules, network analysis tabulations and narrative descriptions of the proposed construction programme.

Each summary or detailed schedule shall consist of a bar chart and a time-scaled network. The scheduled start and finish times for all activities on the bar chart shall agree with those on the network. All inter-relationships and inter-dependencies between structures shall be clearly indicated on the schedules.

The network shall show the order and interdependence of activities planned by the Contractor, and shall be time-scaled according to calendar dates.

8.3. Monthly Reports

Each month, the Contractor shall submit a report consisting of:

- Copies of the bar charts for the current phase with both actual progress and scheduled progress shown.
- Network analysis tabulations as in Sub-Clause 8.3 above, reflecting actual start and finish dates where applicable.
- A narrative report discussing any significant deviations from the schedule and, if necessary, explaining the steps proposed to be taken to maintain the approved schedule.

In case of failure of submission the monthly progress reports in due time, the Payment of the monthly bill will be withheld till its submission.

9. NOT USED

10. SITE OFFICE AND TEMPORARY FACILITIES PROVIDED BY THE CONTRACTOR

10.1. Contractor's Office, Facilities etc.

The Contractor shall establish and maintain a Site office. The Contractor shall provide all facilities in connection with the execution, completion, of the Works, remedying defects therein and maintenance of the utilities services. The facilities shall, not be limited to, the Contractor's Site Office, labour camps, workyard and storage areas, temporary water supply, waste water disposal, temporary electricity, medical unit, temporary roads, fire protection and fire fighting equipment etc.

The Contractor shall be solely responsible for arranging the facilities. The Contractor shall arrange his labour camp, work yard, storage area, site office within the area available at the Site.

10.2. Notice Board

The Contractor shall erect and maintain at the Site in a location to be approved by the Engineer, 3 Nos. Sign Boards 4.45M height and 2 M wide for writing the name of Work, name of Employer, name of Consultants, name of Contractor and Project Cost. The notice board shall comprise of the following;

- Frame of 3" dia GI Pipe properly painted as per the direction of the Consultants/ Engineer and as per drawing.
- 2 Nos. Posts of 3" dia GI Pipe 4.45M above ground and 1M below ground embedded in 1:2:4 CC 2'x2'x4' with proper arrangements of anchorage and brasses. Pipes painted with anti-rust as directed by the Engineer.
- 4 Nos. Steel Sheets 0.6M high and 2M wide fixed on both sides with 50mm gap between each. The background of plates is of white color whereas the writing would be black or red color (as approved by the Engineer)
- White Imported 3M sheet used as background. The color of monogram would be, green, red or black etc. (as approved by the Engineer)
- Alphabets of appropriate size as approved by the Engineer in 3M reflective sheet in blue/ black color.

The Contractor shall maintain the display of the notice boards at his own cost throughout the length of the project.

10.3 Engineer's Office

The Contractor shall provide, operate and maintain the following facilities within 1 week of the Engineer's Order to Commence the Works for the Engineer:-

a). The Contractor shall provide temporary site office accommodation consisting of 3 Steel Containers of 40ft x 8ft office, each office shall contain the following detail for the complete duration of the project.

- **Office Detail**

Sr. No.	Item Description	Qty.	Unit
1.	Office Fabricated from sea container, insulated from 1" thick thermopole sheets and 12mm thick MDF lamination.	01	No.
2.	Accessories		
a)	Aluminum window 3ft x ft	02	Nos.
b)	Entrance Door (Aluminum) with locks and door closer	01	No.
c)	Internal Door (Aluminum) with locks	03	No.
d)	Toilet of 6' x 3.5' each containing WCs, Basin, Shower tray etc. i/c. all required accessories.	02	Nos.
e)	Basic Electrification with proper lightening & power points		Job

- **Office Furniture Detail**

Sr. No.	Item Description	Qty.	Unit
1.	Manager Tables	1	No.
2.	Manager Chairs	1	No.

3.	Guest Chairs	4	Nos.
4.	Office Tables	4	Nos.
5.	Office Chairs	4	Nos.
6.	Conference Table with chairs for 6 personals	1	Set
7.	Wooden & Glass Partition	2	Nos.
8.	1.5 Ton ACs	2	Nos.

In case of non-provision of above facilities by the Contractor, the Employer/ Engineer is entitled to deduct an amount of Rs. 200,000/- per container per month from the amount due to the Contractor i.e. Mobilization Advance or the running bills.

b). The Contractor shall maintain the existing office accommodation of the Engineer including but not limited to expenses for Electricity, telephone, water supply, sewerage, janitorial services, 02 Nos. messenger, 02 Nos. tea boy (including tea making items) and 04 Nos. Armed Security Guards etc. All appointments shall be made by the Engineer and Contractor shall be responsible for all salaries, benefits etc. of the appointed people.

c). 03 Nos. **Sony or Toshiba** Intel Core i7 Ultrathin (4th Generation Processor), 8GB System DDR-3 RAM, 1GB Dedicated Graphic Card, 32GB Solid Drive + 750GB SATA Hard Drive, 15.6" HD Screen, Camera, Biometric Reader Bluetooth, Gigabit Ethernet LAN, Card Reader, WIFI 802.11b/g alongwith genuine/ licensed touch & type with Microsoft Windows 8 operating system and Microsoft Office Professional Edition latest version.

d). 09 Nos. **Desktop Dell or HP** Computer each configured with Intel Core i7, 3.4 Ghz or higher (4th Generation Processor), 16 GB RAM (DDR-III) original Intel Motherboard complete with key board, mouse, 19" color LCD, DVD Writer, 1 TB HDD (SATA) alongwith genuine/ licensed latest version Microsoft Windows operating system, Microsoft Office Professional Edition latest version.

e). 09 Nos. USB Flash Drive - 64 GB each.

f). 09 Nos. UPS

g). 02 Nos. Multimedia Projector Project 3M Optoma 5000 Lumens, Network Control (RJ45), Sound, IDMI Point, USB Port with Sealing Mount & Installation.

h). 02 No. A3 Size Color Printer HP-5225 or equivalent with Color Toners. The contractor will provide Printer Color Toner till the completion of work.

i). 02 Nos. Digital Camera (16 Mega Pixel) built-in GPS alongwith 4 GB Card, Rechargeable Cell (04 Nos.), Battery charger, Pouch, Tripod etc. NIKON Coolpix S800c or equivalent.

j). 04 Nos. Mobile Phone - Samsung Galaxy S4 Active.

k). 01 No. Brand new latest model Photocopy machine alongwith Sorter and ADF, as approved by the Engineer.

l). 01 No. brand new Diesel Generator Set 100 KVA, 80 KW prime power 1500 RPM at 0.80 PF 415/220 volts, 3 phase 50 Hz output stand by Diesel Generator set Caterpillar, FG Wilson or Yanmar directly coupled with Alternator, sound proof canopy complete in all respect as per approved technical specification with & I/c. changeover switch, ATS, control cable, Providing, laying, connecting and testing of 3½ core 10mm^2 plus 1 x 10mm^2 PVC cable for earth, copper conductor cable of required length as per site conditions and Providing, installing, connecting and testing of 18" x 18" x 1/8" thick copper plate buried 15 ft deep in the ground to the depth of water

level, to be installed by the Contractor at the designated place instructed by the Engineer alongwith 01 No. full time Generator Operator.

The Contractor shall also provide 1,000 Litres of Hi-Speed Diesel per month to the Engineer by 5th of each month in advance for complete duration of work including any extended period.

m). The Contractor shall provide an average cost of Rupees Twenty-Five thousand only (Rs. 25,000/-) per month pertaining to mobile telephone use in shape of Prepaid Mobile Cards.

n). Providing stationery and consumable items like pen, pencils, papers, binder cards, plastics, staples, etc. upto Rs. 5,000/- p.m.

The above equipments shall be in use of the Engineer and shall become property of the Employer after completion of the project.

In case of non-provision of above facilities, the Employer / Engineer shall deduct from any money due / becoming due to the Contractor by the Employer appropriate amount till these facilities are provided satisfactorily to the Engineer.

Cost of all above facilities are deemed to be included in the Contract Price and no additional payment shall be made by the Employer to the Contractor under any circumstances.

11. OTHER FACILITIES FOR ENGINEER'S PERSONNEL PROVIDED BY THE CONTRACTOR

Not Applicable

12. SAFETY

12.1. Accident Prevention, Protective Equipment

The Contractor shall comply and enforce compliance by all his Subcontractors with the highest standards of safety and accident prevention in compliance with all applicable laws, ordinance and statutory provisions. Where overhead work is being carried out, warning/ safety signs shall be installed at ground level clearly warning of the overhead work.

All warning/ safety signs shall be in two languages, English and Urdu, and shall at all times be maintained in a clean and legible condition, to the satisfaction of the Engineer. Trash shall be removed at frequent intervals to the satisfaction of the Engineer.

The Contractor shall provide protective equipments to their staff at site in a manner that all the officers of the Contractor must wear the safety shoe and safety cap and the labour must wear the safety shoes, coverall (dangary) and safety caps.

The warning/ safety signs and protective equipments would not be provided by the Contractor, Employer will deduct sufficient amount from the monthly IPC of Contractor.

13. PAYMENT FOR WORK REQUIRED BY SPECIAL PROVISIONS

Unless otherwise specifically stated in the Contract, the price of all work required by the Special Provisions shall be considered to be included in the Contract Price.

14. The Bided Rates shall be inclusive of all lead and lift and no additional payment for this item shall be admissible.

15. The Contractor's rates shall include all incidental charges in connection with the work such as the cost of removing trees, shrubs, grass, etc., which interfere with the execution of the work which will be carried out by the Contractor upto the satisfaction of the Engineer prior to the earthwork. No extra payment for these items will be paid by the Employer.

16. No alterations or additions shall be made by the Contractor in the Bill of Quantities and rates must be filled in ink or typed out both in figures and words clearly and legibly in the columns provided in the schedule of quantities. All corrections must be initialed by the contractors. Any Bid which does not comply with this condition will be liable to be summarily rejected and not taken into account when preparing comparative statement.

17. Materials obtained from excavations will be the property of the Employer. Serviceable materials are to be stacked in places pointed out by Engineer-in-charge. The Contractor undertakes to have the site clean and free from rubbish to the satisfaction of the Engineer. All surplus materials, rubbish, etc., will be removed to places to be fixed by the Engineer and nothing extra will be paid for this.

18. On completion of the work or earlier as directed by the Engineer, the Contractor shall remove all temporary structure (Godowns, site offices, etc.), erected by him at the site of work. He shall fill tanks dug out by him at site, remove all debris and other materials like surplus sand, stone ballast, rubbish, etc., and in short, shall leave the site in a neat and tidy condition. Cost of these works shall be deemed to be included in the Contract Price and no payment shall be made by the Employer on this accident.

19. The contractors in the course of their works should understand that all material (e.g. , stone and other materials) obtained in the work or dismantling, excavation, etc., will be considered as Employer's property and issued to the contractors (if they require the same for their own use) at rates approved by the Engineer. If the materials are not required by them they will be disposed off in the interest of Employer.

20. The contractor shall inspect the site of works and acquaint himself with the nature and requirements of the work, facilities of access for materials, removal of rubbish, cost of carriage, nature of strata, etc., before submitting his Bid.

21. The contractor shall have to make temporary approach roads, etc., at his own cost to facilitate movement of materials, such approach roads shall be aligned in a manner approved by the Engineer.

22. The contractor shall have to make proper arrangements for road crossing barriers during working hours in the day time as well as in the night when danger lights will have to be provided on either ends at his own cost and no extra cost will be paid. Sufficient barricades and red lights will be provided by the Contractor where required to avoid the chances of accidents. In case an accident occurs for failure on the part of the contractor, he shall be entirely responsible for the consequences.

23. The Contractor shall have to make arrangements for diversions for traffic wherever necessary and shall have to provide diversion and caution boards as per directions of the Engineer at his own cost for which no extra cost will be paid. The diversion shall be watered and consolidated as per directions of the Engineer.

24. No material shall be removed from the site without the written permission of the Engineer.

25. Dewatering including shoring wherever so required pumping, bailing out water, drainage of water within plot areas if any shall be deemed to have been included in the rates quoted by the Bidders and no extra payment will be made. The rates shall be deemed inclusive of such incidental charges.

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26. The Contractors shall execute all works at their own cost for diversion of water away from the plot as per site requirements to have full satisfaction of Engineer and no additional payment will be made on this account.

27. The Engineer reserves the right to select all materials and the type, grade, heating capacity and quantity of proportion of any or all materials as required for a particular work. The decision of Engineer in this respect shall be final and binding on the Contractor. The rejects on materials must be carted at his own cost. If the rejected materials are not removed within one month of its rejection the materials will become the property of the Employer or will be removed at Contractors cost.

28. ATTENDANCE OF MEETINGS

The Contractor shall attend and shall cause his Sub-Contractors to attend any or all meetings when called by the Employer or the Engineer or his Representative to discuss progress of the work and other matters related to the work and the Contract, without any compensation from the Employer.

a). The Contractor shall bear all expenses of the Employer and his agents and representatives and the Engineer, his agents and representatives if requested by the Contractor for any meetings, instructions and approvals away from the Site.

b). The proceedings of the meetings shall be recorded by the Engineer which shall be circulated to all the participants including those of the Contractor. All decisions taken in the meetings shall be binding on the Contractor and shall form part of the Contract.

29. DOCUMENTS NOT TO BE ALTERED OR MUTILATED

No alteration or mutilation (other than filling in all the blanks intended to be filled in) shall be made in the form of Bid or in any of the documents attached to it. Any comments which it is desired to make shall not be placed on any of the documents attached hereto, but shall take the form of a separate statement which shall be as brief as possible and referenced to items, clauses and pages of the annexed documents.

Such statements shall not qualify the acceptance of the Bid based upon a proposed change or changes in the annexed documents, nor shall be binding upon the Employer in any way in making the award. Alterations of already written prices must be signed in the place of alteration by the Bidder or his legally authorized representative.

30. PERSONAL LIABILITY OF PUBLIC OFFICIALS OR ENGINEER

In carrying out any of the provisions of these specifications, or in exercising any power of authority granted to them by or within the scope of the Contract, there shall be no liability upon the Employer or his authorized representatives or the Engineer or his authorized representatives their personally or in their official capacity, it being understood that in all matters they act solely as agents and representatives of the Employer.

31. ACCESS AND EXISTING ROADS

If the Contractor finds it necessary or elects to use existing roads, the Contractor shall make all necessary arrangements and obtain all permits from the relevant departments for travel over and use of such roads. The Contractor shall observe all rules regulations of the concerned department regarding the use of said roads. The cost of maintaining all necessary safety measures and temporary structures and making any necessary repairs, replacements or similar operations and all or any other costs required by reason of his use of such roads shall be borne by the Contractor and the Contractor shall save harmless and indemnify the Employer in respect of all claims, demands proceedings, damages, costs, charges and expenses whatsoever arising out of or in relation to any such operation or interference.

32. FIRST AID FACILITIES

The Contractor shall provide and maintain adequate First Aid Facilities at all times, convenient to the Site to the approval of the Employer.

33. FINAL HAND-OVER

At the end of the Period of Maintenance stipulated in the contract, the Employer on application of the Contractor, shall decide the members of the final hand over committee and announce the same to the Contractor. The committee, after inspection of Work, if satisfied that there are no deficiencies or defects due to work of the Contractor shall certify the final hand-over, and the Employer will then issue a final Certificate of Completion of Work within thirty (30) calendar days thereafter.

34. EMPLOYER AND ENGINEER NOT PERSONALLY LIABLE

No member or officer of the Government or the Employer or the Employer's Representative or the Engineer or his representatives or any one of their respective staffs or their employees shall be in anyway personally bound or liable for the acts or obligations of the contractor under the contract or answerable for any default or omission in the observance or performance of any of the acts, matters or things which are herein, contained.

35. PROGRESS PHOTOGRAPHS

The contractor shall furnish to the Employer and to the Engineer every two weeks at least six photographs to clearly show the progress of construction. The photographs shall be submitted in glossy prints 20 cm x 20 cm. Each print shall be marked on the back with the date and serial number. There shall be no writing, lettering or marking on the face of the photographs. The set of photographs of the Engineer should accompany respective negatives.

36. SITE ORDER BOOK

The Contractor shall maintain site order book (of triplicate leaves) at the Site, for taking down instructions of the Engineer and/ or the Employers, with out any obligation and charges to the Employer / Engineer.

37. BAR BENDING SCHEDULES

The contractor shall be responsible for the preparation of all bar bending schedules at his own cost which shall be based on structural drawings supplied by the Engineer and shall get them approved before the actual execution of work.

38. REPORT ON PROGRESS OF WORK AND PHOTOGRAPHS

The Contractor shall, during the execution of the work, submit to the Employer (3 copies) and ENGINEER (2 copies) so as to reach them in the first week of every calendar month, a report on the actual progress of the works attained by him during the preceding month fully supported with colour photographs of (5"x7") size, at least 15, depicting the complete stages of the works. Each photograph should be properly pasted on A-4 size paper, indicating the location and other relevant information of the area photographed. The report will be submitted on the standard format to be supplied later on. In case the Supervision Engineer are different from the Design Engineer, one copy each of photographs should be sent to both the Engineer.

The set of photographs for the Design Engineer should be submitted with respective negatives.

39. OBTAINING OF NOC FROM THE CONCERNED AUTHORITIES

The contractor shall have to acquire prior NOC from the concerned authorities prior to start/ execution of work. Without taking NOC the Contractor will be responsible for any mishap / damage.

The entire activity can only be carried out in presence of the concerned authorities representative after issuance of NOC.

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BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
ii)	Basement - 1	805	Sft.	1336	1075480
iii)	Ground Floor	16,278	Sft.	1336	21747408
iv)	1st Floor	8,851	Sft.	1336	11824936
v)	2nd Floor	6,642	Sft.	1336	8873712
vi)	3rd Floor	4,381	Sft.	1336	5853016
vii)	4th Floor	4,381	Sft.	1336	5853016
viii)	5th Floor	4,381	Sft.	1336	5853016
ix)	6th Floor	4,381	Sft.	1336	5853016
x)	7th Floor	4,381	Sft.	1349	5909969
xi)	8th Floor	4,381	Sft.	1349	5909969
xii)	9th Floor	6,877	Sft.	1349	9277073
xiii)	10th Floor	4,381	Sft.	1349	5909969
xiv)	11th Floor	2,593	Sft.	1362	3531666
xv)	12th Floor	2,593	Sft.	1362	3531666
xvi)	13th Floor	2,593	Sft.	1362	3531666
xvii)	14th Floor	2,593	Sft.	1362	3531666
xviii)	15th Floor	2,593	Sft.	1362	3531666
xix)	16th Floor	2,593	Sft.	1362	3531666
xx)	17th Floor	2,593	Sft.	1376	3567968
xxi)	18th Floor	2,593	Sft.	1376	3567968
xxii)	19th Floor	2,593	Sft.	1376	3567968
xxiii)	20th Floor	2,593	Sft.	1376	3567968
xxiv)	21st Floor	2,593	Sft.	1376	3567968
xxv)	22nd Floor	2,593	Sft.	1389	3601677
xxvi)	23rd Floor	2,593	Sft.	1389	3601677
xxvii)	24th Floor	2,517	Sft.	1389	3496113
xxviii)	Roof Floor	1,823	Sft.	1389	2532147
		Rate Only			
7.20	Providing and fixing 3/8" thick **Granite in Skirting / Dado** best quality with sheen on floors, over 1/2" (13mm) thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with grout of matching color, curing, finishing, cleaning and chemical polishing etc, complete in all respect as per direction & approval of the Engineer.				
i)	Basement - 2	1,356	Sft.	608	824448
ii)	Basement - 1	1,243	Sft.	608	755744
iii)	Ground Floor	7,549	Sft.	608	4589792
iv)	1st Floor	8,668	Sft.	608	5270144
v)	2nd Floor	7,310	Sft.	608	4443680
vi)	3rd Floor	3,454	Sft.	608	2099632
vii)	4th Floor	3,454	Sft.	608	2099632
viii)	5th Floor	3,454	Sft.	608	2099632
ix)	6th Floor	3,454	Sft.	608	2099632
x)	7th Floor	3,454	Sft.	617	2131118
xi)	8th Floor	3,454	Sft.	617	2131118
xii)	9th Floor	3,454	Sft.	617	2131118
xiii)	10th Floor	4,629	Sft.	617	2856093
xiv)	11th Floor	3,210	Sft.	617	1980570
xv)	12th Floor	1,830	Sft.	626	1145580
		1,830	Sft.	626	1145580

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
xvi)	13th Floor	1,830	Sft.	626	1,145,580
xvii)	14th Floor	1,830	Sft.	626	1,145,580
xviii)	15th Floor	1,830	Sft.	626	1,145,580
xix)	16th Floor	1,830	Sft.	636	1,163,880
xx)	17th Floor	1,830	Sft.	636	1,163,880
xxi)	18th Floor	1,830	Sft.	636	1,163,880
xxii)	19th Floor	1,830	Sft.	636	1,163,880
xxiii)	20th Floor	1,830	Sft.	636	1,163,880
xxiv)	21st Floor	1,830	Sft.	636	1,163,880
xxv)	22nd Floor	1,830	Sft.	645	1,180,350
xxvi)	23rd Floor	1,830	Sft.	645	1,180,350
xxvii)	24th Floor	1,882	Sft.	645	1,213,890
xxviii)	Roof Floor	2,719	Sft.	645	1,753,755
		Rate Only	Sft.	645	
7.21	Providing & fixing **Granite Glaxy black or equivalent** best quality vanity in top of approved color, shade and type, slab using 1-1/4 inch thick 3'-6" x 2' in size including vertical, horizontal and mid shelve of granite where required, glazed cutting one hole for bowl in granite top complete including fixing of granite side shelves & front border, polishing, making corner, edges in round shapes etc., complete as per drawings & design and as per instruction of the Engineer.				
i)	Basement - 2	Rate Only	Sft.	795	
ii)	Basement - 1	680	Sft.	795	540,600
iii)	Ground Floor	680	Sft.	795	540,600
iv)	1st Floor	680	Sft.	795	540,600
v)	2nd Floor	680	Sft.	795	540,600
vi)	3rd Floor	680	Sft.	795	540,600
vii)	4th Floor	680	Sft.	795	540,600
viii)	5th Floor	680	Sft.	804	546,720
ix)	6th Floor	680	Sft.	804	546,720
x)	7th Floor	680	Sft.	804	546,720
xi)	8th Floor	680	Sft.	804	546,720
xii)	9th Floor	680	Sft.	804	546,720
xiii)	10th Floor	680	Sft.	813	552,840
xiv)	11th Floor	680	Sft.	813	552,840
xv)	12th Floor	680	Sft.	813	552,840
xvi)	13th Floor	680	Sft.	813	552,840
xvii)	14th Floor	680	Sft.	813	552,840
xviii)	15th Floor	680	Sft.	823	559,640
xix)	16th Floor	680	Sft.	823	559,640
xx)	17th Floor	680	Sft.	823	559,640
xxi)	18th Floor	680	Sft.	823	559,640
xxii)	19th Floor	680	Sft.	823	559,640
xxiii)	20th Floor	680	Sft.	832	565,760
xxiv)	21st Floor	680	Sft.	832	565,760
xxv)	22nd Floor	680	Sft.	832	565,760
xxvi)	23rd Floor	680	Sft.	832	565,760
xxvii)	24th Floor	680	Sft.	832	565,760

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.22	Providing & fixing **Tossa White Marble** tiles of 432 sq. inches to 576 sq. inches mix color over cement sand mortar (1:4) 1-1/4" thick, setting of tiles with slurry of grey cement over mortar base i/c filling the joints with approved grout of matching color grinding, chemical polishing, etc. complete as per drawing and instructions of the Engineer.	5,315	Sft.	374	1,987,810
7.23	Providing and fixing 3/8" thick **Tossa White Marble on Skirting / Dado** over 1/2" (13mm) thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with approved quality grout of matching color, curing, finishing, cleaning and chemical polishing etc, at any height in any floor, including the cost of cartage etc. complete in all respect as per direction and approval of the Engineer.	387	Sft.	334	129,258
7.24	Providing and fixing polished 3/4" thick **Ziarat White Marble** One Piece with 1/4" thick carborendum fill length wise on Tread with 1:4 Cement sand mortar base 3/4" thick, washing the tiles with cement slurry of matching color including cutting, chemical polishing etc. at any height in any floor, including the cost of cartage etc. complete in all respect and as per direction of the Engineer.)	689	Sft.	1069	736,541
7.25	Providing and fixing 3/8" thick **Ziarat White Marble on riser** over 1/2" (13mm) thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with matching color grout, curing, finishing, cleaning and chemical polishing etc, at any height in any floor, including the cost of cartage etc. complete in all respect as per directions and approval of the Engineer.	198	Sft.	935	185,130
7.26	Providing **decorative landings** comprising 3/4" thick **Ziarat White Marble** of approved pattern, shape best quality over 1-1/2" thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with approved grout of matching color, curing, finishing, cleaning and chemical polishing , cutting tile of different sizes required as per the drawing / site etc. at any height in any floor, including the cost of cartage complete in all respect as per direction and approval of the Engineer.	396	Sft.	1069	423,324

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.27	Providing and fixing 3/8" thick **Zlarat White Marble on Skirting** over 1/2" (13mm) thick base of cement sand mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with grout of matching color, curing, finishing, cleaning and chemical polishing etc, at any height in any floor, including the cost of cartage etc. complete in all respect as per directions and approval of the Engineer.	217	Sft.	863	187351
7.28	Supply and apply in approved colors, non slip multilayered **epoxy coating** for flooring on ramps and other areas, as per specifications and manufacturer's recommendations. Complete in all respect. Minimum 1000 microns to provide seamless finish.	368	Sft.	331	122312
7.29	Providing and laying **synthetic carpet** of approved colors & designs, including underlay, stitching, where required, cost include all lead and lift charges, complete in all respects, as per the approval of the Engineer. (For Prayer Room)	4,446	Sft.	401	1782846
7.30	Providing and laying imported **Woolen Saffs** of approved colors & designs cost include all lead and lift charges, complete in all respects, as per the approval of the Engineer. (For Prayer Room)	4,446	Sft.	735	3267810
7.31	Providing and fixing Heavy Duty **Safety Rubber Mat / Tiles floor / dado** after rectification of minor undulations as per drawings, specification and approval of the Engineer.	1,305	Sft.	781	1019205
7.32	Supplying and applying **non slip high build flooring system** for parking area with approved material i/c surface preparation, primer & sealer etc, complete as per drawings, specification and approval of the Engineer.	112,000	Sft.	334	37408000
	WOODEN FLOORING				
	IMPORTANT NOTES:				
a)	The flooring installation should be done at the end of finishing works.				
b)	All wood must be dried & seasoned with moisture content of 7 to 8 %.				
c)	Contractor is required to make sure that the top level of each flooring should be same or as desired by consultant.				

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.33	Providing and laying **Wooden Tiles flooring and skirting** of approved colors & designs of interwood, First floor, Lamett or equivalent. cost include all lead and lift charges, complete in all respects, as per the approval of the Engineer. Work to be done by specialized sub - contractor.	4,992	Sft.	795	3,967,640
	PAINT				
7.34	Supply and applying **Washable Matt Finish Paint** on interior Plastered walls of approved manufacturer and shade, applied by roller for shell finish. 3 coats over & including primer coat, ready-mix based wall filling putty in voids & rubbing the surface, complete in all respect, on all plaster surfaces at any height in any floor, as directed by the Engineer.				
i)	Basement - 2	73,041	Sft.	51	3725,091
ii)	Basement - 1	64,571	Sft.	51	3293,121
iii)	Ground Floor	157,387	Sft.	51	8026,737
iv)	1st Floor	126,814	Sft.	51	6467,514
v)	2nd Floor	107,315	Sft.	51	5473,065
vi)	3rd Floor	53,435	Sft.	51	2725,185
vii)	4th Floor	53,435	Sft.	51	2725,185
viii)	5th Floor	53,435	Sft.	51	2725,185
ix)	6th Floor	53,435	Sft.	53	2832,055
x)	7th Floor	53,435	Sft.	53	2832,055
xi)	8th Floor	53,435	Sft.	53	2832,055
xii)	9th Floor	52,989	Sft.	53	2809,417
xiii)	10th Floor	57,021	Sft.	53	3022,113
xiv)	11th Floor	28,788	Sft.	56	1612,128
xv)	12th Floor	28,788	Sft.	56	1612,128
xvi)	13th Floor	28,788	Sft.	56	1612,128
xvii)	14th Floor	28,788	Sft.	56	1612,128
xviii)	15th Floor	28,788	Sft.	56	1612,128
xix)	16th Floor	28,788	Sft.	56	1612,128
xx)	17th Floor	28,788	Sft.	59	1698,492
xxi)	18th Floor	28,788	Sft.	59	1698,492
xxii)	19th Floor	28,788	Sft.	59	1698,492
xxiii)	20th Floor	28,788	Sft.	59	1698,492
xxiv)	21st Floor	28,788	Sft.	59	1698,492
xxv)	22nd Floor	28,788	Sft.	61	1756,068
xxvi)	23rd Floor	16,113	Sft.	61	982,893
xxvii)	24th Floor	25,781	Sft.	61	1572,641
xxviii)	Roof Floor	1,676	Sft.	61	102,236

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.35	Supply and applying Distemper of approved manufacturer and shade, applied roller for shell finish, 3 coats over & including primer coat, filling, putty in voids & rubbing the surface, complete in all respect, on all ceiling plaster surfaces at any height in any floor, as directed by the Engineer.				
i)	Basement - 2	90,356	Sft.	27	2439,612
ii)	Basement - 1	102,437	Sft.	27	2765,799
iii)	Ground Floor	39,349	Sft.	27	1062,423
iv)	1st Floor	19,227	Sft.	27	519,129
v)	2nd Floor	57,105	Sft.	27	1541,835
vi)	3rd Floor	26,603	Sft.	27	718,281
vii)	4th Floor	26,603	Sft.	27	718,281
viii)	5th Floor	26,603	Sft.	27	718,281
ix)	6th Floor	26,603	Sft.	27	718,281
x)	7th Floor	26,603	Sft.	29	771,487
xi)	8th Floor	26,603	Sft.	29	771,487
xii)	9th Floor	26,603	Sft.	29	771,487
xiii)	10th Floor	28,869	Sft.	29	837,201
xiv)	11th Floor	27,233	Sft.	29	789,757
xv)	12th Floor	13,837	Sft.	32	442,784
xvi)	13th Floor	13,837	Sft.	32	442,784
xvii)	14th Floor	13,837	Sft.	32	442,784
xviii)	15th Floor	13,837	Sft.	32	442,784
xix)	16th Floor	13,837	Sft.	32	442,784
xx)	17th Floor	13,837	Sft.	32	442,784
xxi)	18th Floor	13,837	Sft.	35	484,295
xxii)	19th Floor	13,837	Sft.	35	484,295
xxiii)	20th Floor	13,837	Sft.	35	484,295
xxiv)	21st Floor	13,837	Sft.	35	484,295
xxv)	22nd Floor	13,837	Sft.	37	511,969
xxvi)	23rd Floor	10,057	Sft.	37	372,109
xxvii)	24th Floor	11,185	Sft.	37	413,845
xxviii)	Roof Floor	328	Sft.	37	12136
7.36	Supply and applying **Weather Shield Paint** on interior / exterior Plastered walls of approved manufacturer and shade, applied by roller for shell finish, 3 coats over & including primer coat, ready-mix based wall filling putty in voids & rubbing the surface, complete in all respect, on all plaster surfaces at any height in any floor, as directed by the Engineer. at any height in any floor.	139,980	Sft.	61	8538799

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
	FALSE CEILING				
7.37	Providing & fixing **gypsum board false ceiling** system with 1/2" thick sheets including providing bulkheads, decorative works, all required decorative work in Gypsum, with complete fixing suspension system including G.I. strips/wires, furring channels/angles, and with self adhesive fiberglass drywall tape of 2" width to be used on all joints prior to applying putty , filling and rubbing having provisions for lights, AC and all electro-mechanical items installed in false ceiling, painted with 3 coats of plastic emulsion paint with one prime coat as per paint specifications, all as mentioned in drawings, with male female edges, v-joints, etc. All the edges to be properly sealed. Contractor to submit brochures & detailed shop drawings for the approval of the Engineer prior to actual start of works. The reflective false ceiling plan should show all items to be installed on false ceiling including but not limited to lights, A/C diffusers, Fire or other required electro-mechanical items to be completed in all respects, as per the direction of the Engineer. Work to be done by specialized sub - contractor.				
i)	Basement - 2	829	Sft.	234	193,986
ii)	Basement - 1	829	Sft.	234	193,986
iii)	Ground Floor	10,153	Sft.	234	2,375,802
iv)	1st Floor	17,439	Sft.	234	4,080,726
v)	2nd Floor	829	Sft.	234	193,986
vi)	3rd Floor	7,728	Sft.	234	1,808,352
vii)	4th Floor	7,728	Sft.	234	1,808,352
viii)	5th Floor	7,728	Sft.	234	1,808,352
ix)	6th Floor	7,728	Sft.	243	1,877,904
x)	7th Floor	7,728	Sft.	243	1,877,904
xi)	8th Floor	7,728	Sft.	243	1,877,904
xii)	9th Floor	61,470	Sft.	243	14,937,210
xiii)	10th Floor	7,728	Sft.	243	1,877,904
xiv)	11th Floor	4,279	Sft.	252	1,078,308
xv)	12th Floor	4,279	Sft.	252	1,078,308
xvi)	13th Floor	4,279	Sft.	252	1,078,308
xvii)	14th Floor	4,279	Sft.	252	1,078,308
xviii)	15th Floor	4,279	Sft.	252	1,078,308
xix)	16th Floor	4,279	Sft.	262	1,121,098
xx)	17th Floor	4,279	Sft.	262	1,121,098
xxi)	18th Floor	4,279	Sft.	262	1,121,098
xxii)	19th Floor	4,279	Sft.	262	1,121,098
xxiii)	20th Floor	4,279	Sft.	262	1,121,098
xxiv)	21st Floor	4,279	Sft.	271	1,159,609
xxv)	22nd Floor	4,279	Sft.	271	1,159,609
xxvi)	23rd Floor	3,293	Sft.	271	892,403
xxvii)	24th Floor	2,929	Sft.	271	793,759

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.38	Providing & fixing **Aluminum Perforated Panel Ceiling size 720 Sq. Inches to 1440 Sq. Inches** with complete suspension system, decorative works and mechanism as required in suspension system and mechanism places, as mentioned in drawings, with male female edges, v-joints, etc. All the edges to be properly sealed and to foresee locations for water heaters & A/C, where required, complete in all respects with shop drawings, etc. Work to be done by specialized sub - contractor, at any height in any floor.	7,001	Sft.	514	3,598,514
7.39	Providing & fixing **Aluminum Perforated Panel Ceiling size 144 Sq. Inches to 720 Sq. Inches** with complete suspension system, decorative works and mechanism as required in suspension system and mechanism places, as mentioned in drawings, with male female edges, v-joints, etc. All the edges to be properly sealed and to foresee locations for water heaters & A/C, where required, complete in all respects with shop drawings, etc. Work to be done by specialized sub - contractor, at any height in any floor.	52,791	Sft.	467	24,653,397
7.40	Providing & fixing **POP Border** and **Motif border**, in any shape and design i/c fixing in position complete in all respect as per the direction of the Engineer.				
i)	Basement - 2	Rate Only	Sft.	107	
ii)	Basement - 1	Rate Only	Sft.	107	
iii)	Ground Floor	Rate Only	Sft.	107	
iv)	1st Floor	Rate Only	Sft.	107	
v)	2nd Floor	Rate Only	Sft.	107	
vi)	3rd Floor	1,176	Sft.	107	125,832
vii)	4th Floor	1,176	Sft.	107	125,832
viii)	5th Floor	1,176	Sft.	107	125,832
ix)	6th Floor	1,176	Sft.	114	134,064
x)	7th Floor	1,176	Sft.	114	134,064
xi)	8th Floor	1,176	Sft.	114	134,064
xii)	9th Floor	1,008	Sft.	114	114,912
xiii)	10th Floor	1,176	Sft.	114	134,064
xiv)	11th Floor	588	Sft.	120	70,560
xv)	12th Floor	588	Sft.	120	70,560
xvi)	13th Floor	588	Sft.	120	70,560
xvii)	14th Floor	588	Sft.	120	70,560
xviii)	15th Floor	588	Sft.	120	70,560
xix)	16th Floor	588	Sft.	127	74,676
xx)	17th Floor	588	Sft.	127	74,676
xxi)	18th Floor	588	Sft.	127	74,676
xxii)	19th Floor	588	Sft.	127	74,676
xxiii)	20th Floor	588	Sft.	127	74,676

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
xxiv)	21st Floor	588	Sft.	134	78,792
xxv)	22nd Floor	588	Sft.	134	78,792
xxvi)	23rd Floor	420	Sft.	134	56,280
xxvii)	24th Floor	234	Sft.	134	31,356
	MISC.				
7.41	Providing and fixing in position of 3/4" thick polished **Indian Green / Jungle green** or any color and shade in **Granite** including polishing, making corner, edges in round shapes etc on counter top for Kitchen & pantry, the cost includes cartage, all lead and lift at any height in any floor, complete as per drawings and instruction of the Engineer.				
i)	Basement - 2	Rate Only	Sft.	748	
ii)	Basement - 1	240	Sft.	748	179,520
iii)	Ground Floor	240	Sft.	748	179,520
iv)	1st Floor	240	Sft.	748	179,520
v)	2nd Floor	240	Sft.	748	179,520
vi)	3rd Floor	240	Sft.	748	179,520
vii)	4th Floor	240	Sft.	748	179,520
viii)	5th Floor	240	Sft.	748	179,520
ix)	6th Floor	243	Sft.	757	183,951
x)	7th Floor	243	Sft.	757	183,951
xi)	8th Floor	243	Sft.	757	183,951
xii)	9th Floor	243	Sft.	757	183,951
xiii)	10th Floor	243	Sft.	757	183,951
xiv)	11th Floor	246	Sft.	767	188,682
xv)	12th Floor	246	Sft.	767	188,682
xvi)	13th Floor	246	Sft.	767	188,682
xvii)	14th Floor	246	Sft.	767	188,682
xviii)	15th Floor	246	Sft.	767	188,682
xix)	16th Floor	249	Sft.	776	193,224
xx)	17th Floor	249	Sft.	776	193,224
xxi)	18th Floor	249	Sft.	776	193,224
xxii)	19th Floor	249	Sft.	776	193,224
xxiii)	20th Floor	249	Sft.	776	193,224
xxiv)	21st Floor	252	Sft.	785	197,820
xxv)	22nd Floor	252	Sft.	785	197,820
xxvi)	23rd Floor	252	Sft.	785	197,820
xxvii)	24th Floor	252	Sft.	785	197,820
7.42	Providing and applying **Decorative Work** on Wall, wood work including the cost of coloring etc and Art work, as specified and directed by the Architect and the Engineer. Complete in all respect including the cost of cartage, all lead and lift at any height in any floor. (Contractor to Submit the concept sketch plan before execution of the work.)	1	Job.	1,000,000	1,000,000

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.43	Providing and fixing **Decorative Motif of Granite tiles** of approved color and design square, rectangular or octagonal shapes where required in the Lobby, Entrance, Hall and Passages etc. including matching color grouting or as directed by the Architect and the Engineer. Complete in all respect including the cost of cartage, all lead and lift at any height in any floor. (Contractor to Submit the concept sketch plan before execution of the work.)	250	Sft.	2671	667750
7.44	Providing and fixing **Decorative Motif of Ceramic tiles** of approved color and design square, rectangular or octagonal shapes where required in the bathroom including matching color grouting or as directed by the Architect and the Engineer. Complete in all respect including the cost of cartage, all lead and lift at any height in any floor. (Contractor to Submit the concept sketch plan before execution of the work.)	4,500	Nos.	2404	1081 8,000
7.45	Providing and fixing **Decorative Motif of Porcelain tiles** of approved color and design square, rectangular or octagonal shapes where required in the kitchen including matching color grouting or as directed by the Architect and the Engineer. Complete in all respect including the cost of cartage, all lead and lift at any height in any floor. (Contractor to Submit the concept sketch plan before execution of the work.)	1,344	Nos.	2003	2,692,032
7.46	Providing & fixing **12mm thick plain glass** of approved quality i/c all required accessories for fixing in proper position, complete in all respect as per the direction of the Engineer at any height in any floor.	20	Sft.	421	8,420
7.47	Providing & fixing in position of **Aluminum cladding** "Aluccobond" or "ALPOLIC" walls panels sheets of approved size, colors & shape. Fixing on columns or walls complete with all required accessories, all as per manufacturer's specifications and approval by the Engineer. The contractor has to get the design, details and shop drawings approved of the Engineer. In case of omission of any necessary item above, shall be deemed to be included in the quoted rate. (Work to be done by specialist Sub-Contractor approved by the Engineer.				
a	On walls, columns and external cladding.	240.803	Sft.	107	25765210

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.48	Providing and fixing best quality imported **teak wood** well seasoned clerestory, jafri, shelves, partitions, hand rail, louvers, posts, trellis and rafter etc. complete in all respect as per design and drawing and as per direction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor. Work to be done by specialized sub - contractor.				
i)	Basement - 2	Rate Only	Cft.	13,089	
ii)	Basement - 1	Rate Only	Cft.	13,089	
iii)	Ground Floor	226	Cft.	13,089	2,958,114
iv)	1st Floor	220	Cft.	13,089	2,879,580
v)	2nd Floor	142	Cft.	13,089	1,858,638
vi)	3rd Floor	55	Cft.	13,089	719,895
vii)	4th Floor	55	Cft.	13,089	719,895
viii)	5th Floor	55	Cft.	13,089	719,895
ix)	6th Floor	55	Cft.	13,089	719,895
x)	7th Floor	55	Cft.	13,089	719,895
xi)	8th Floor	55	Cft.	13,089	719,895
xii)	9th Floor	48	Cft.	13,089	628,272
xiii)	10th Floor	55	Cft.	13,089	719,895
xiv)	11th Floor	28	Cft.	13,089	366,492
xv)	12th Floor	28	Cft.	13,089	366,492
xvi)	13th Floor	28	Cft.	13,089	366,492
xvii)	14th Floor	28	Cft.	13,089	366,492
xviii)	15th Floor	28	Cft.	13,089	366,492
xix)	16th Floor	28	Cft.	13,089	366,492
xx)	17th Floor	28	Cft.	13,089	366,492
xxi)	18th Floor	28	Cft.	13,089	366,492
xxii)	19th Floor	28	Cft.	13,089	366,492
xxiii)	20th Floor	28	Cft.	13,089	366,492
xxiv)	21st Floor	28	Cft.	13,089	366,492
xxv)	22nd Floor	28	Cft.	13,089	366,492
xxvi)	23rd Floor	20	Cft.	13,089	261,780
xxvii)	24th Floor	Rate Only	Cft.	13,089	
7.49	Providing and fixing best quality imported **teak wood** well seasoned Jafri with 1/2" x 1-1/2" batten forming apertures 1-1/2"x1-1/2" including the cost of frame works as per design and drawing and as per direction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor.	5,088	Cft.	13,089	66,596,832
7.50	Providing and fixing best quality imported **teak wood** well seasoned **pergola** i/c tempered glass with gasket, polishing and all required accessories etc. complete in all respect as per design and drawing and as per direction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor.	2,703	Sft.	1402	3,789,606

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.51	Providing & applying **Matt polishing** three coats of approved color & make on wood work including cost of Chalk powder, Spirit methylated, Sand paper, Color Packet, Malmal, Cotton, French polish (Lok Dana), Matt Lacquer & Seller of approved quality, at any height in any floor complete in all respect as per the directions of the Engineer.	14,039	Sft.	122	1,712,758
7.52	Providing and fixing **wooden cupboards** 1-1/4 inch (32mm) thick best quality deodar wood planking in shelves or almirahs with deodar wood battens 1-1/2" x 2" (38mm x 50mm) frame fixed in walls with Lasani laminated door shutters including lipping, two draws lamination sheet partition divider and footrest, etc and SS doors handles, imported locks (Italy, Germany), SS hinges, SS screws, SS tower bolt 6" long and rawal plugs etc, imported draws channel of approved make, as required complete in all respects as per direction of the Engineer. The cost includes cartage, all lead and lift at any height in any floor.				
i)	Basement - 2	Rate Only	Sft.		
ii)	Basement - 1	Rate Only	Sft.		
iii)	Ground Floor	Rate Only	Sft.		
iv)	1st Floor	Rate Only	Sft.		
v)	2nd Floor	Rate Only	Sft.		
vi)	3rd Floor	3,240	Sft.		287712
vii)	4th Floor	3,240	Sft.		287712
viii)	5th Floor	3,240	Sft.		287712
ix)	6th Floor	3,240	Sft.		287712
x)	7th Floor	3,240	Sft.		287712
xi)	8th Floor	3,240	Sft.		287712
xii)	9th Floor	3,048	Sft.		270624
xiii)	10th Floor	3,240	Sft.		287712
xiv)	11th Floor	1,620	Sft.		143856
xv)	12th Floor	1,620	Sft.		143856
xvi)	13th Floor	1,620	Sft.		143856
xvii)	14th Floor	1,620	Sft.		143856
xviii)	15th Floor	1,620	Sft.		143856
xix)	16th Floor	1,620	Sft.		143856
xx)	17th Floor	1,620	Sft.		143856
xxi)	18th Floor	1,620	Sft.		143856
xxii)	19th Floor	1,620	Sft.		143856
xxiii)	20th Floor	1,620	Sft.		143856
xxiv)	21st Floor	1,620	Sft.		143856
xxv)	22nd Floor	1,620	Sft.		143856
xxvi)	23rd Floor	1,049	Sft.		93512
xxvii)	24th Floor	687	Sft.		61256

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.53	Providing and fixing **natural stone cladding** of approved design, pattern, size & quality on walls with 1:4 cement sand mortar base of 3/4" thickness setting the tiles with neat cement mortar, grouting the joints 1/4" with matching grout of approved manufacturer / supplier, including mechanism of nails, grouting, inserting in walls, with proper fixing in place with and i/c required accessories etc, curing, finishing as per the instructions & approval of the Engineer and as per design and drawings. The cost includes cartage, scaffolding, lead and lift at any height in any floor, complete in all respect.	49,970	Sft	414	20687580
7.54	Providing and fixing **Artificial envi stone cladding** of approved design, pattern, size & quality on walls with 1:4 cement sand mortar base of 3/4" thickness setting the tiles with neat cement mortar, grouting the joints 1/4" with matching grout of approved manufacturer / supplier, including mechanism of nails, grouting, inserting in walls, with proper fixing in place with and i/c required accessories etc, curing, finishing as per the instructions & approval of the Engineer and as per design and drawings. The cost includes cartage, lead and lift at any height in any floor, complete in all respect.(Envicrete or equivalent)	6,996	Sft	168	1175328
7.55	Providing and laying reinforced cement concrete using graded & screened crush 3/4" thick & down gauge having cylindrical crushing strength of 2500 psi at 28 days in **coping and cornice of walls** moulded to design including form works, and its removal, compacting and curing etc. complete in all respect as per drawing and direction of the Engineer.	875	Cft	327	286125
7.56	Providing and fixing **concave mirror** of 60 cm dia of approved manufacturer (Imported quality) at each turning etc complete or as directed by the Engineer incharge in all respect.	5	Each.	4,675	23375
7.57	Providing & applying **road/ pavement marking** in car parking tower area in reflective paint for lines 150 mm wide land marking & edges lines, arrows, writings like exit, entry, etc., complete in all respect as directed by the Engineer. (Approved manufacturer's Berger) All works to be done as per the manufacturer's specifications.	6,975	Rft	40	379,000

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.58	Supply and install road sign board (Square 2' x 2' or 2' dia steel plate on 3" dia single post with clear post length 7' erected in CC 1:2:4 2' x 2' x 2' & painting of M.S plate & post or installed on walls (where applicable), writing of alphabets with reflective paints as per the direction & approval of the Engineer.	25	Nos	23,374	584,350
7.59	Supply and install parking rubber signboards 20cm x 20cm steel plates with steel bracket of appropriate size, duly painted and marking of signs, numbers etc as required by the Engineer, complete in all respects.	40	Nos	5142	205680
7.60	Providing & fixing in proper position 12mm thick frosted tempered glass wall i/c glass door for shower area of approved quality, color, shade & pattern i/c SS hinges, clips, SS top rail, gasket, packing with silicon etc, complete with all required accessories as per the direction of the Engineer at any height in any floor the cost includes all cartages.	21,822	Sft.	1069	23,327,718
7.61	Providing & fixing 16swg galvanized iron sheet covering of approved shape and design to expansion joints of roof slab with wooden gutties and screws etc. complete in all respects as directed by the Engineer.	1,280	Rft.	140	179,200
7.62	Providing & fixing 15 ONZ Aluminum sheet covering to expansion joints in walls and columns as per approved design including providing clamps and fixing with screws and rawal plugs, or wooden gutties including making slotted holes etc. complete in all respects as directed by the Engineer. (Contractor to submit shop drawings to Engineer for approval before execution)	96	Rft.	187	17,952
7.63	Providing & fixing in position to proper camber and grade CC interlocking pavers 80mm thick of approved make, size, shape and colors over sand (Pit/ river bed sand of approved quality) cushion 60mm thick and joints filled with sand as per specifications, including the cost of sand, cartage of paving block etc complete in all respects as per specifications, instructions and approval of the Engineer. (ENVICRETE or approved equivalent). Contractor to submit samples of different shapes and colors for the approval the Engineer. At least three colors (yellow, orange & green) shall be used in design approved by Consultant. Contractor to provide at least three different designs for the approval of the Consultant.	14,400	Sft.	160	2,304,000

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
	Landscaping Work				
7.64	Providing & fixing planting saplings of trees and plants etc., complete in all respects i.e. stacking and spreading cow dung manure / Slaughter House manure and mixing the same in sweet earth including breaking clods, dressing fine for Plants in pots and sprinkling water, raking and rolling complete & i/c cartage up to propose location & i/c cost of watering till trees grow up well and maintain of same till completion of contract.				
	Palm Trees				
a)	Cycas Revoluta	25	No.	8,014	200350
b)	Farcariya	15	No.	6678	100170
c)	Table Palm	10	No.	4007	40070
d)	Black Traingular	10	No.	3339	33390
	Trees				
a)	Lignum	15	No.	1336	20040
b)	Cardia Sebestana	15	No.	1336	20040
c)	Delonix Rengia	15	No.	2671	40065
	Shrubs				
a)	Bouganvilla	150	No.	534	80100
b)	Ficus Star Light	2517	No.	1603	403875
c)	Pulmera Albus	30	No.	6010	180300
d)	Arabin Jasmine	50	No.	663	33450
e)	Tabernamontana	10	No.	935	9350
f)	Ixora Pink	20	No.	935	18700
	Indoor Plants				
a)	Erica Palm	15	No.	6010	90150
b)	Can Palm	45	No.	5343	240435
c)	Mony Plant	40	No.	2003	80120
d)	Spider Plant	35	No.	534	18690
	Ground Cover				
a)	Duranta Yellow	50	No.	401	20050
b)	Nanthrea Red	120	No.	401	48120
c)	Nanthrea Green	120	No.	401	48120
d)	Wadelia	100	No.	401	40100
e)	Rhoeospathacea	80	No.	534	42720
f)	Jumar Bail	100	No.	534	53400
	Pots				
a)	Ceramic Pot	120	No.	8671	336520
b)	Stone Pots	360	No.	3339	1202040
c)	CC Pots	265	No.	4007	1061855
d)	Fiber Pots	350	No.	2996	1048300
7.65	Supplying, fixing and tying up firmly **Bamboo sticks**, 6ft height and 1inch dia, as support.	75	No.	160	12000

BILL NO. 7. - FINISHES					
S. No	Description	Qty	Unit	Rate	Amount
7.66	Providing and installing **Building Management Unit** tass-08 machines with winch system have safe working load. maximum lifting height 300 ft.i/c electrical equipment , control of gondola system, rope, winch machine, "dead man" control buttons at all control panel complete in all respect i/c all required accessories as per direction of the Engineer. In case of omission of any necessary item above, shall be deemed to be included in the quoted rate at any height in any floor.	1	Job.	42,072,541	42,072,541
7.67	Providing and installing **Building Management Unit** tass-08 machines with winch system have safe working load. maximum lifting height 250 ft.i/c electrical equipment , control of gondola system, rope, winch machine, "dead man" control buttons at all control panel complete in all respect i/c all required accessories as per direction of the Engineer. In case of omission of any necessary item above, shall be deemed to be included in the quoted rate. at any height in any floor.	1	Job.	32,723,047	32,723,047
7.68	Providing and fixing **SS Sateen finish letters** (Grade 316) of 18"high of ARIAL FONTS. Width of each letter in front around 6" and depth around 4" deep with 18 gauge sheet, etc complete in all respect. Contractor to make shop drawings of fixing and proof of fabrication before start of work for the approval of Engineer	36	No.	23,374	841,464
7.69	Preparing **scale model** on 1/8 th inch scale in plexi glass sheet with complete landscaping base and table & cover in Burma teak wood with mate lequre polish 12mm thick tempered clear glass i/c lighting complete in all respect with name of the project and the consultant as per the requirements of the Engineer. All cutting for making the model shall be done with laser cutting the work to be done by specialist model making company duly approved by the Engineer.	1	Job.	934,945	934,945

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
7.70	Providing & laying water proofing system including avg. 3" thick Concrete having crushing strength 3000 psi @ 28 days. (nominal mix ratio 1:2:4) laid to slope , 5mm thick Bitumen Membrane with torch applied, One layer of thermopore sheets of 2" thick, Flood test of 24 hours. , etc complete in all respect as shown in drawings and per approval of the Engineer.	68,145	Sft.	334	22760430
7.70	Supply and fix 50mm thick precast RCC jali, incl setting and jointing in CM 1:1, all as specified. Complete in all respect as per the direction of the Engineer. At any height in any floor. (Envicrete or other approved equivalent.)	1,200	Sft.	467	560400
7.71	Providing & installing remote control roller blinds of approved color & design with tracks complete with support assembly & curtain carriers (Nylon or Delrim) with either Nylon or Delrim axles. Each carrier shall be equipped either with stainless steel, chromium plated brass or steel hooks with swivel or Nickel Chromium Plated brass or SS bead chain & hooks. (LUXAFLEX® Sunscreens fabrics from Protectors or other equivalent). Complete in all respects. Contractor to provide shop dwgs & samples for the approval of the Engineer & shall be required to prepare a mock-up of full height prior to ordering.	1,800	Sft.	1603	2885400
7.72	Providing and fixing 2" dia semi circular stone gola of approved sand/lime stone as per the directions and approval of the engineer, chiseled, dressed and fixed with 1:2 cement mortar including curing etc. complete.	1,050	Rft.	134	140700
7.73	Colour-creting 1/4" (6.4 mm) thick 1:1:2 (1 white cement, 1 marble powder and 2 marble chips zero No.) in required shade including dragging the surface with wire brushes complete with curing etc. over a base of 3/4" (19 mm) thick cement plaster 1:3 in plinth, mezzanine and ground floor including the cost of base course as directed complete but excluding the cost of grooves or joint if provided.	4,200	Sft.	47	197400

BILL NO. 7. - FINISHES

S. No	Description	Qty	Unit	Rate	Amount
	Any item (i) described in the Bill of Quantities or relevant Specifications but not shown on the Drawings, or (ii) shown on the Drawings but not described in the Bill of Quantities or relevant Specifications, shall be of like effect as it has been shown and mentioned in both. Similarly, if any item which is neither shown on the drawing nor mentioned in the Bill of Quantities or Specification but is a pre-condition to carryout any item of the contract, it shall be considered to be included in the contract price, distributed among the rates and prices entered for the related items of works. It shall be clearly understood that no extra cost whatsoever shall be paid in case such discrepancies if any, exist in the above bill.				
				Total Amount of Bill No.07	1,47,553.00

12/6/2014 12/6 12/6

SUMMARYOF REVERSE OSMOSIS PLANT
BILL OF QUANTITIES

Client : Project Director , Sindh Parliamentarians Residences
Project : Construction of Sindh Parliamentarians Residences
Contract No. :

S.No's	SUB HEAD	Bill NO.	AMOUNT (Rs.)	
1	. DRILLING OF TUBE WELL	Bill No. 17-A	Rs.	2,485,725.00
2	. DEVELOPMENT OF TUBE WELL	Bill No. 17-B	Rs.	15,465,957.00
4	. MECHANICAL WORKS	Bill No. 17-C	Rs.	22,223,202.00
5	. REVERSE OSMASIS PLANT	Bill No. 17-D	Rs.	35,108,371.00
	TOTAL AMOUNT OF BILL NO. 17 (Rs.)		Rs.	175,283,255.00

(Rupees One Hundred Seventy-five Million, Two Hundred Eighty Three Thousand, Two Hundred Fifty-five Only)
(In Words)

CONTRACTOR

SMK CONSTRUCTION CO.

12/6

12/6

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12/6/2014

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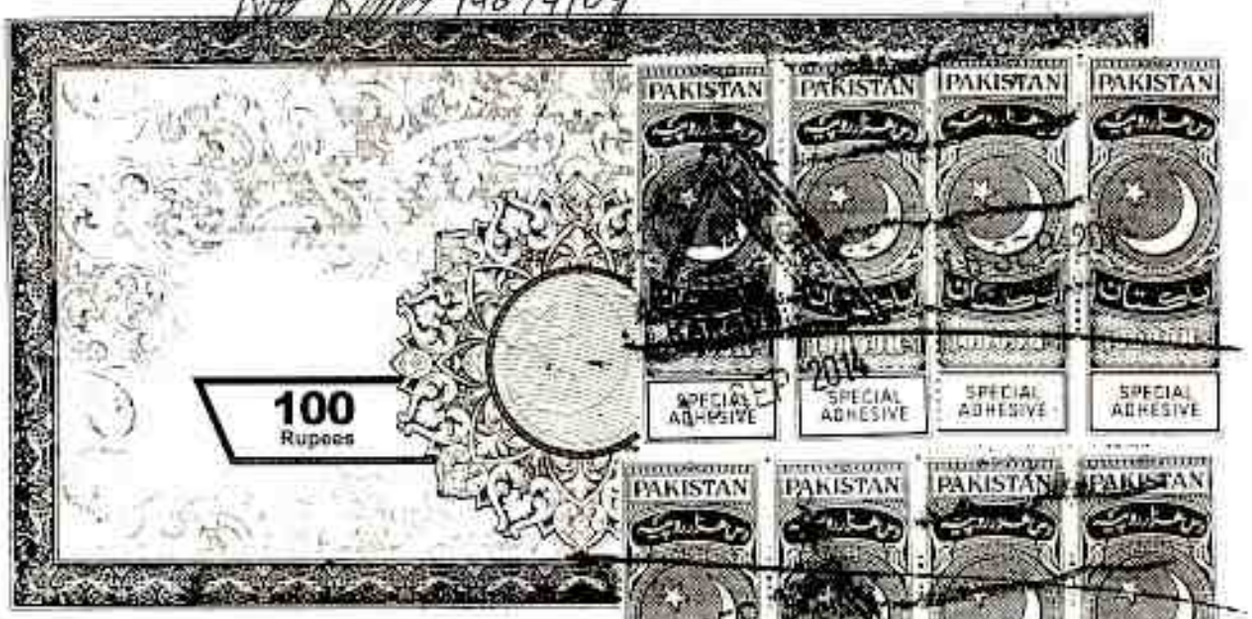
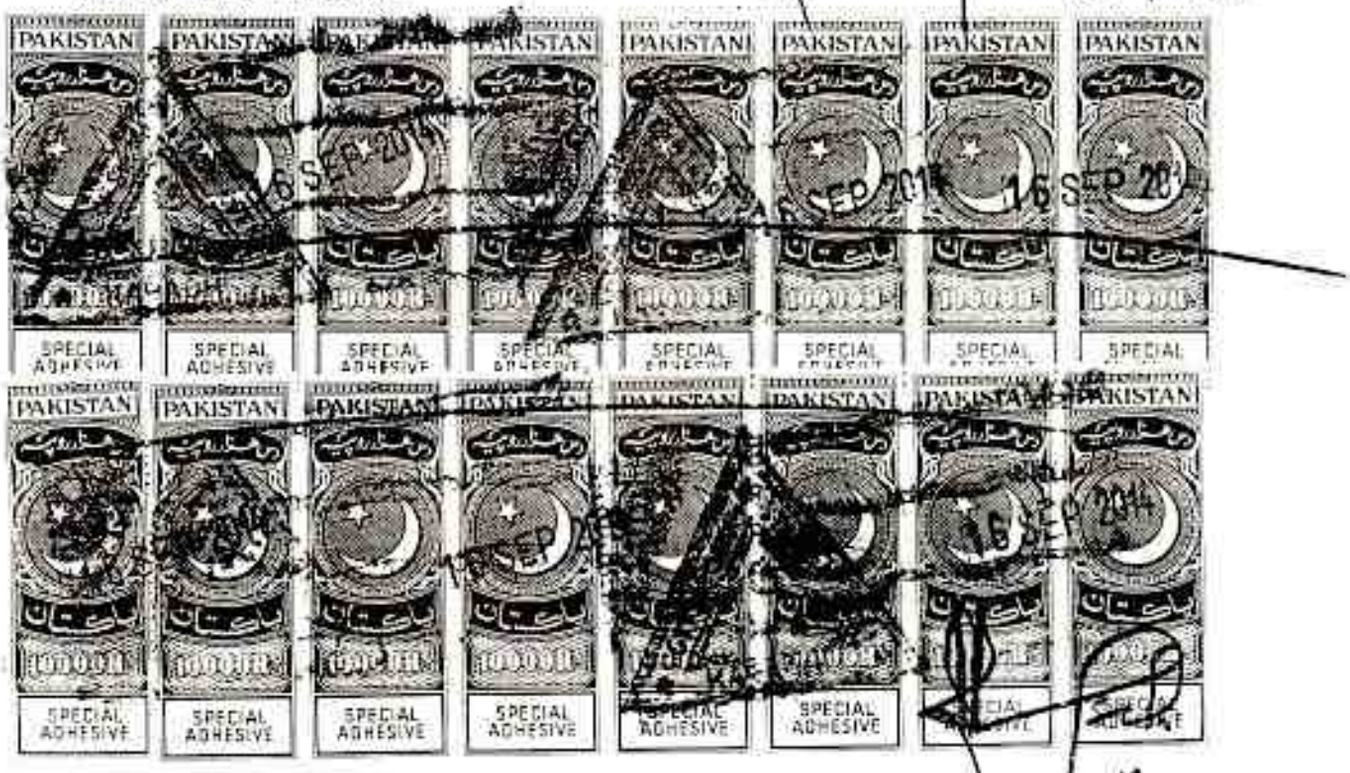


SHAKEEL IQBAL STAMP VENDOR
Lic. No. 69 Shop no. 113 New Ruby Centre
Talpur Road, Boulton Market, Karachi
S.No. 3532 Dt. 04 SEP 2014
Issued to with Address .....
Through with Address ..... GHULAM HABIB (Advocate) KBA No. 63
Purpose .....
Value Rs..... Attested .....
Stamp Vendor's Signature.....
(NOT USE FOR FREE WILL & DIVORCE PURPOSE)

16-9-14.



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CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on

Project Director
Sindh Parliamentarians Residences
Karachi

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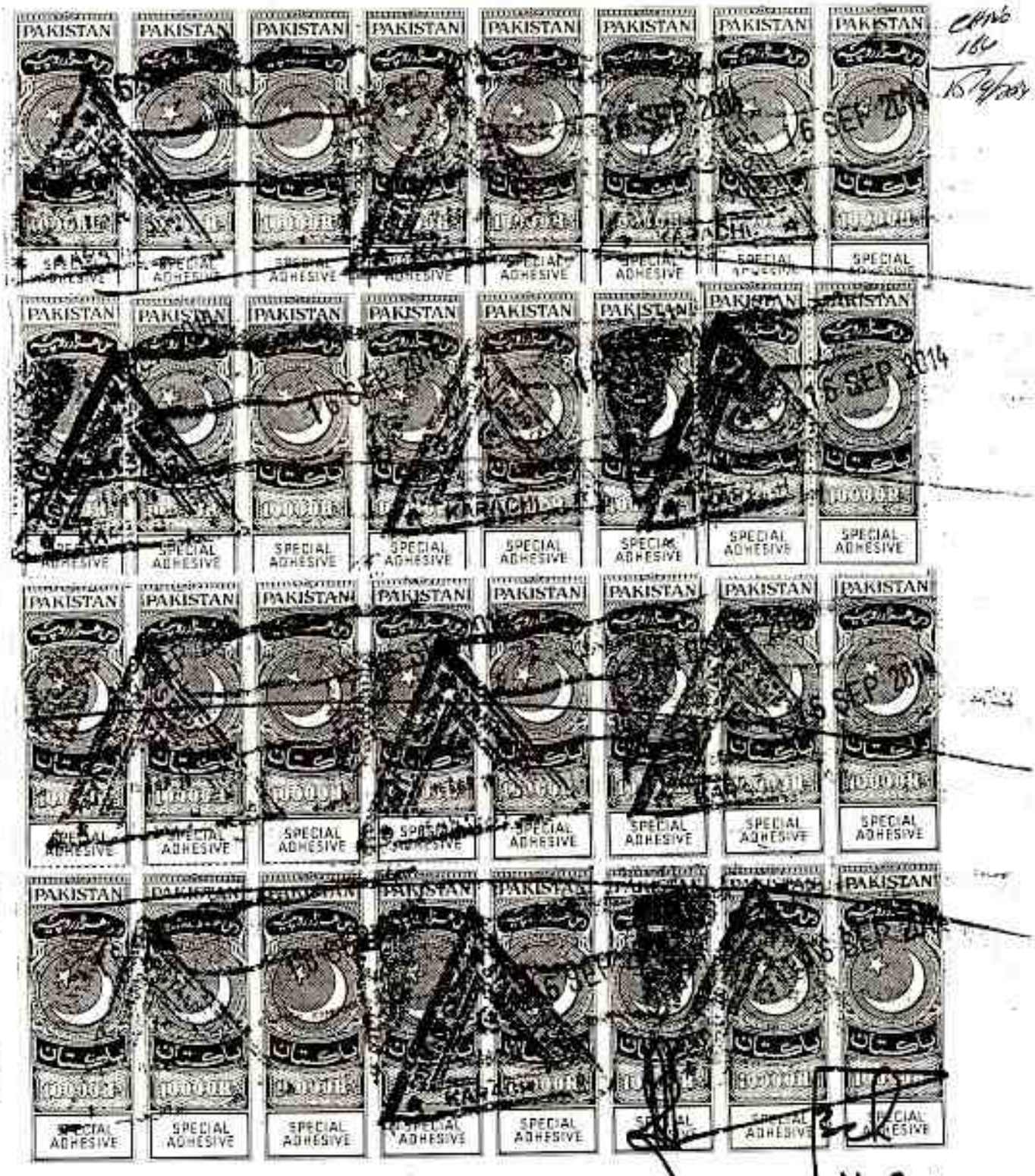
Project Director
Sindh Parliamentarians Residences
Karachi



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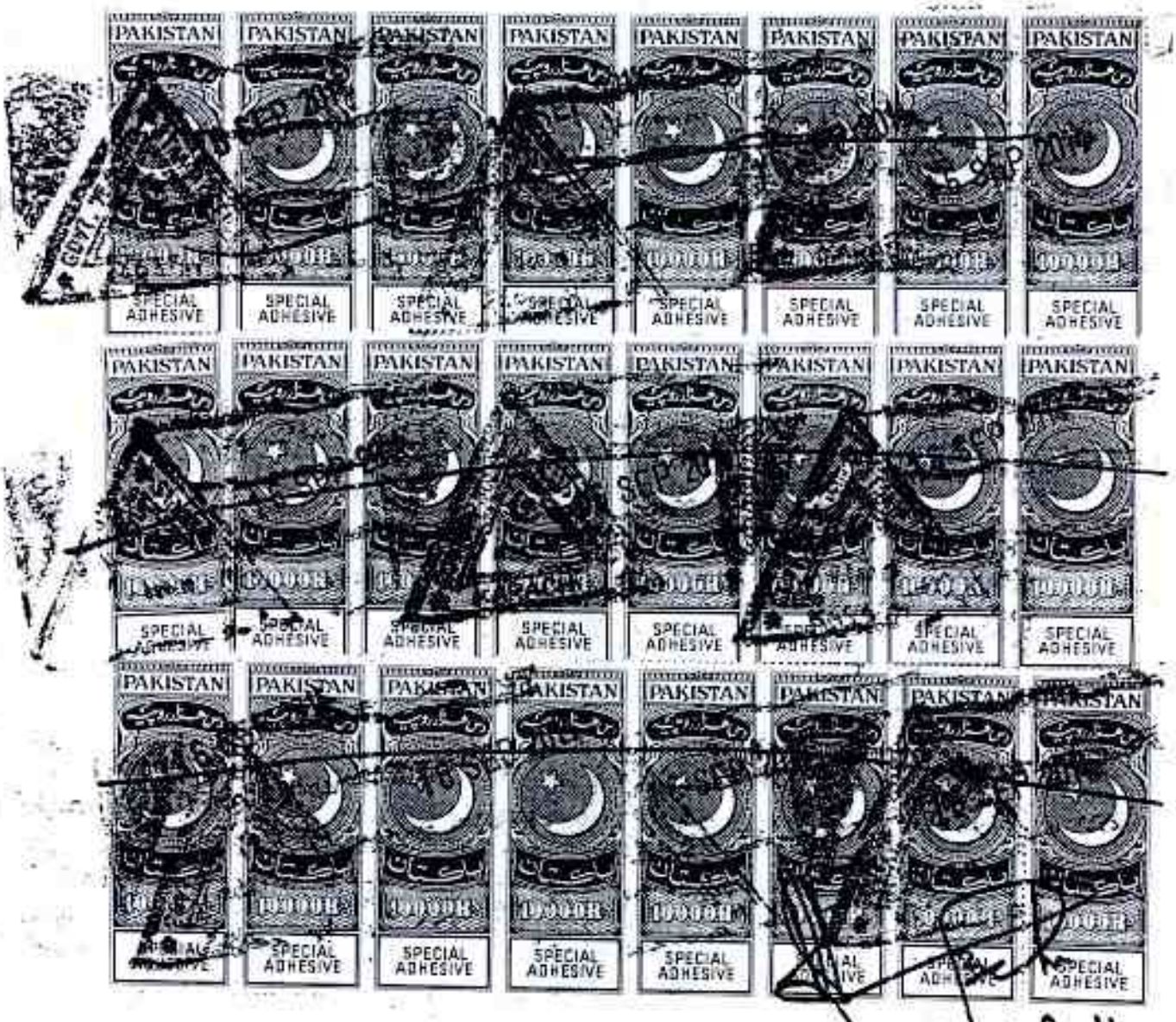
Karachi _____ day of _____ 2014 between the Project

Project Director
Sindh Parliamentarians Residences
Karachi



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Project Director
Sindh Parliamentarians Residences
Karachi

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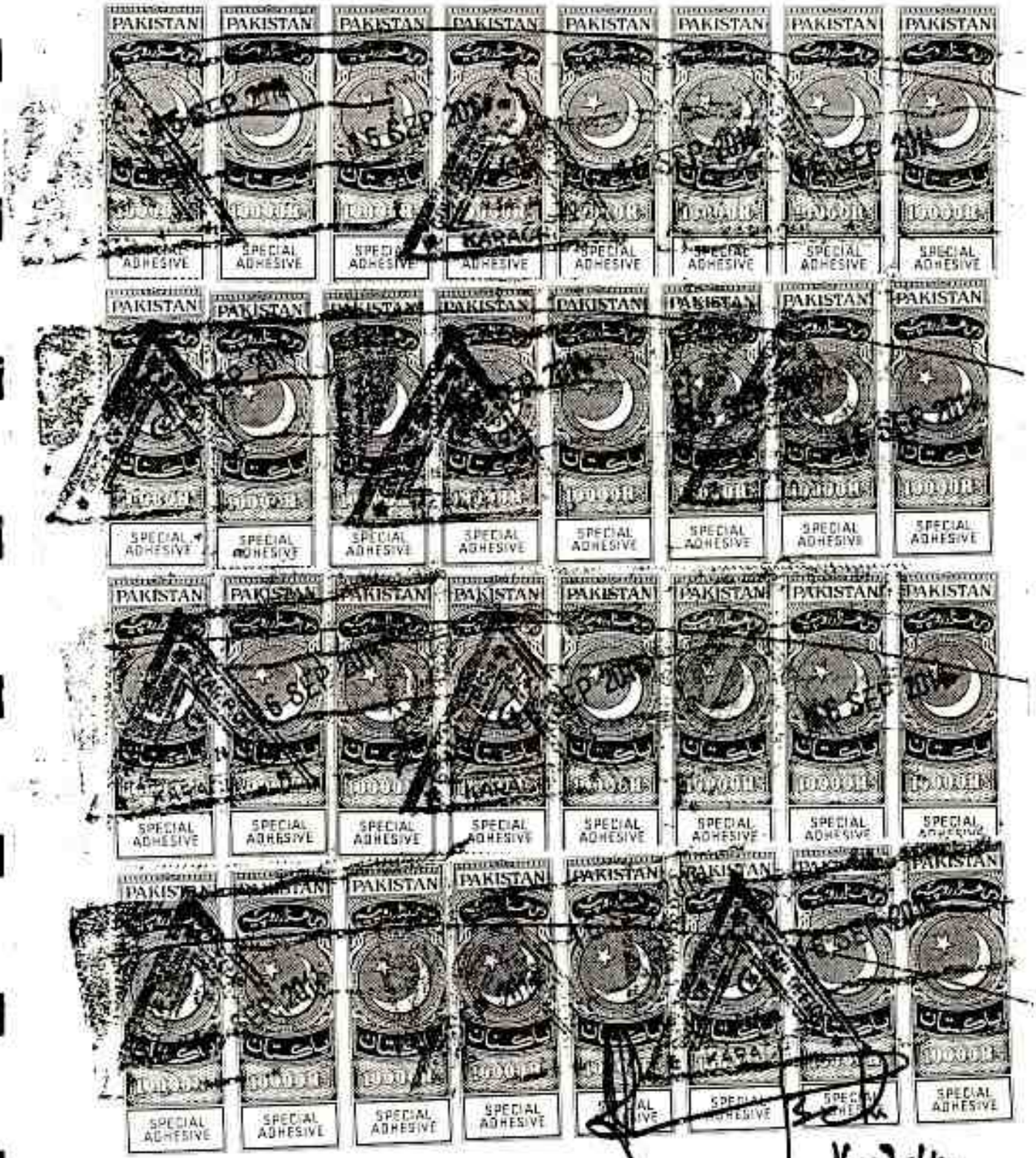

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Director Sindh Parliamentarians Residences, Karachi (hereinafter called the

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
New Sindh Assembly Building
Karachi

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Project Director
Sindh Parliamentarians Residences
Karachi

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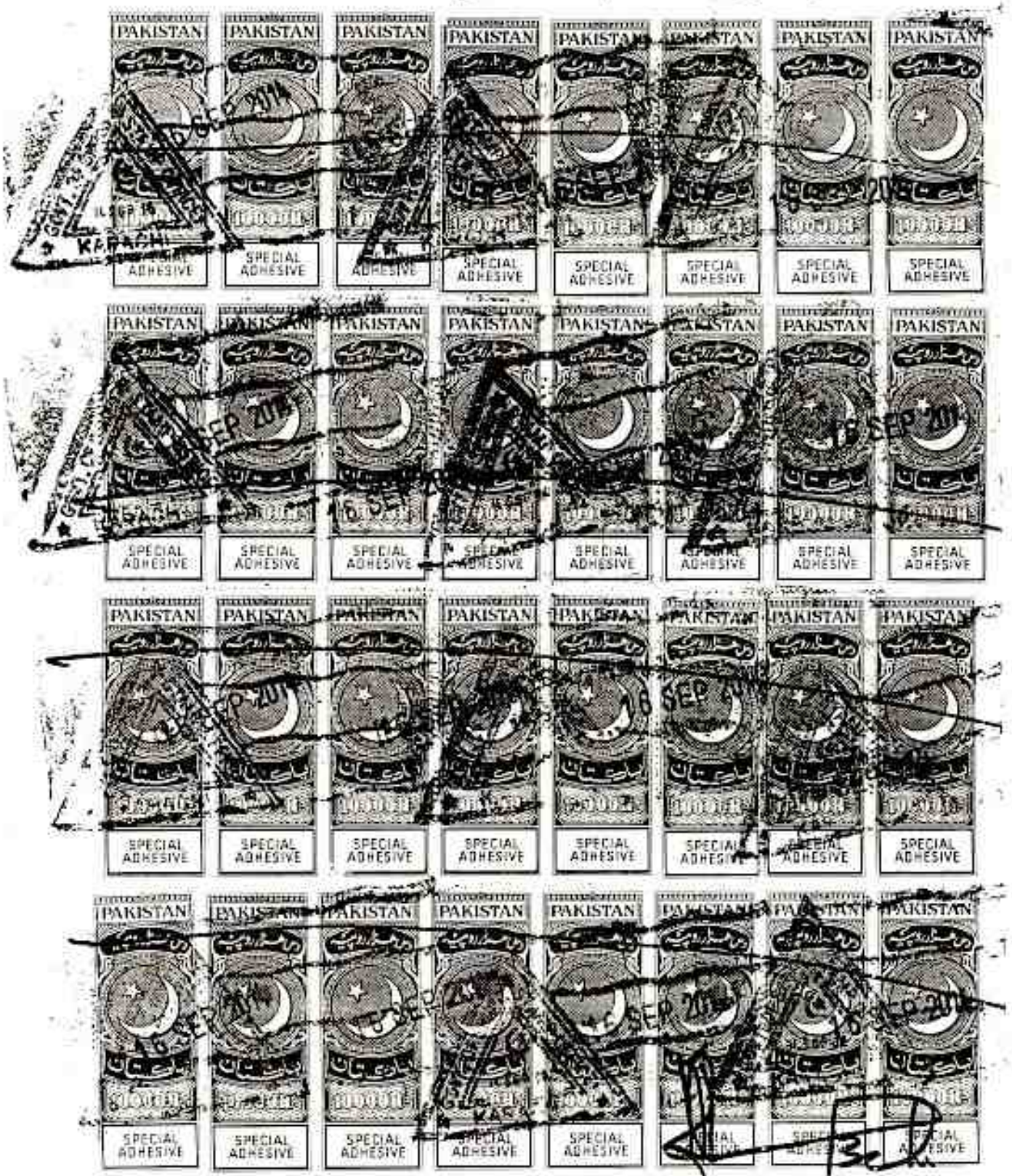
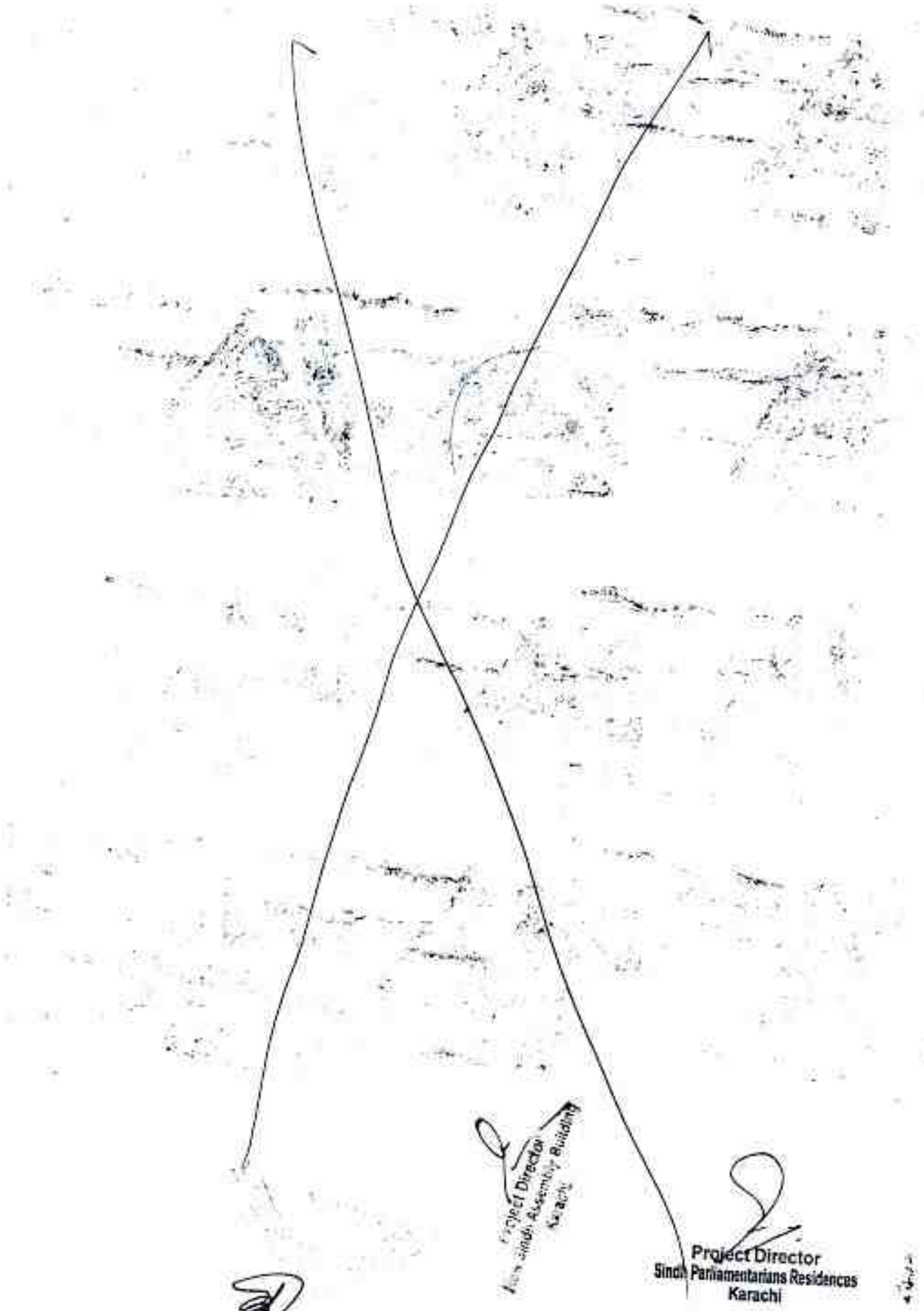


"Employer") of the One Part and M/s SMK Construction Company, Engineers.

Project Director
Sindh Parliamentarians Residences
Karachi

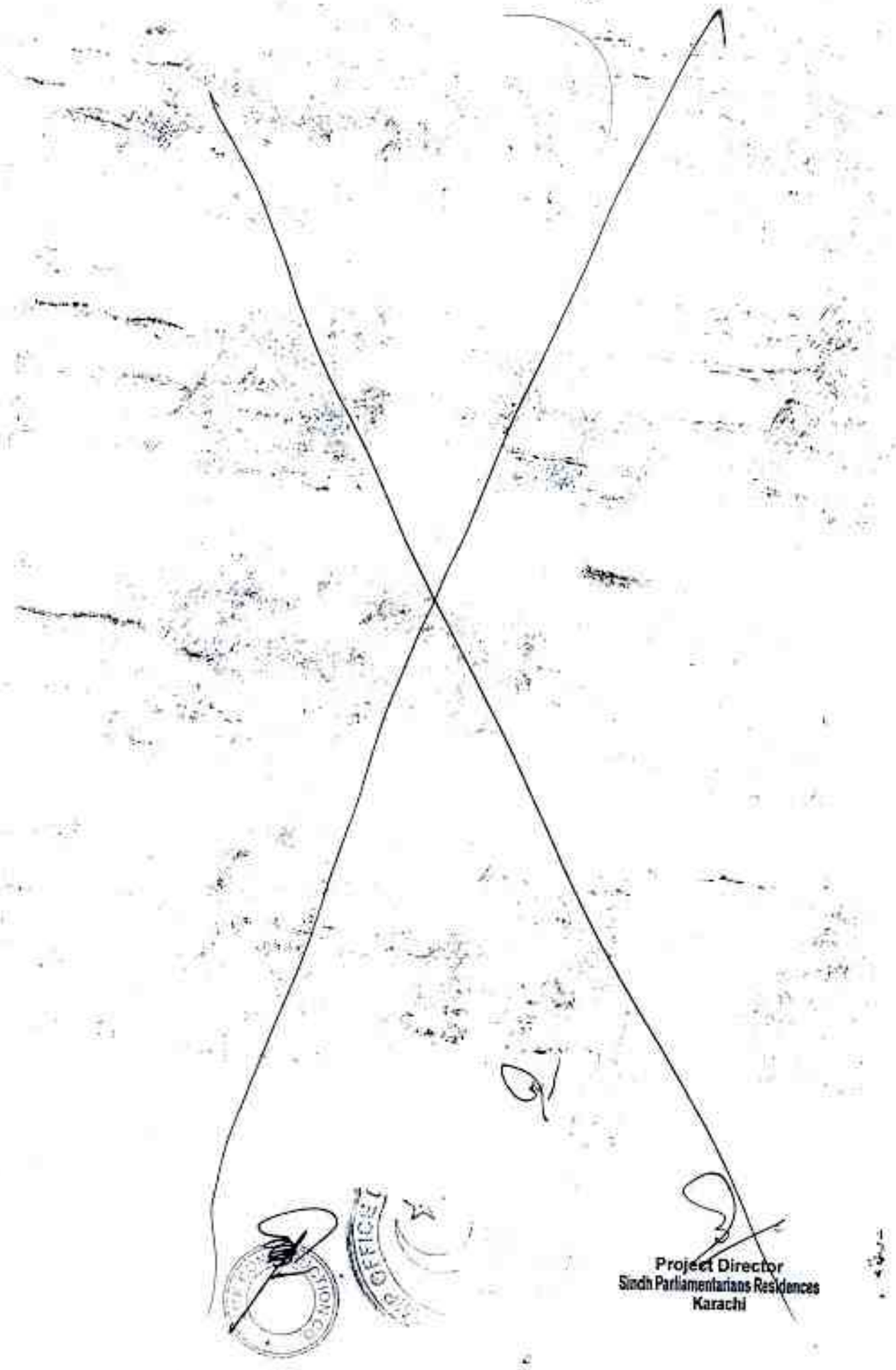

Project Director
Sindh Assembly Building
Karachi
Project Director
Sindh Parliamentarians Residences
Karachi

16-9-14

& Contractors, office at Flat No. 5 & 6, Plot # 76-E, 22nd Commercial Street

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
New Sindh Assembly Building
Karachi


Project Director
Sindh Parliamentarians Residences
Karachi

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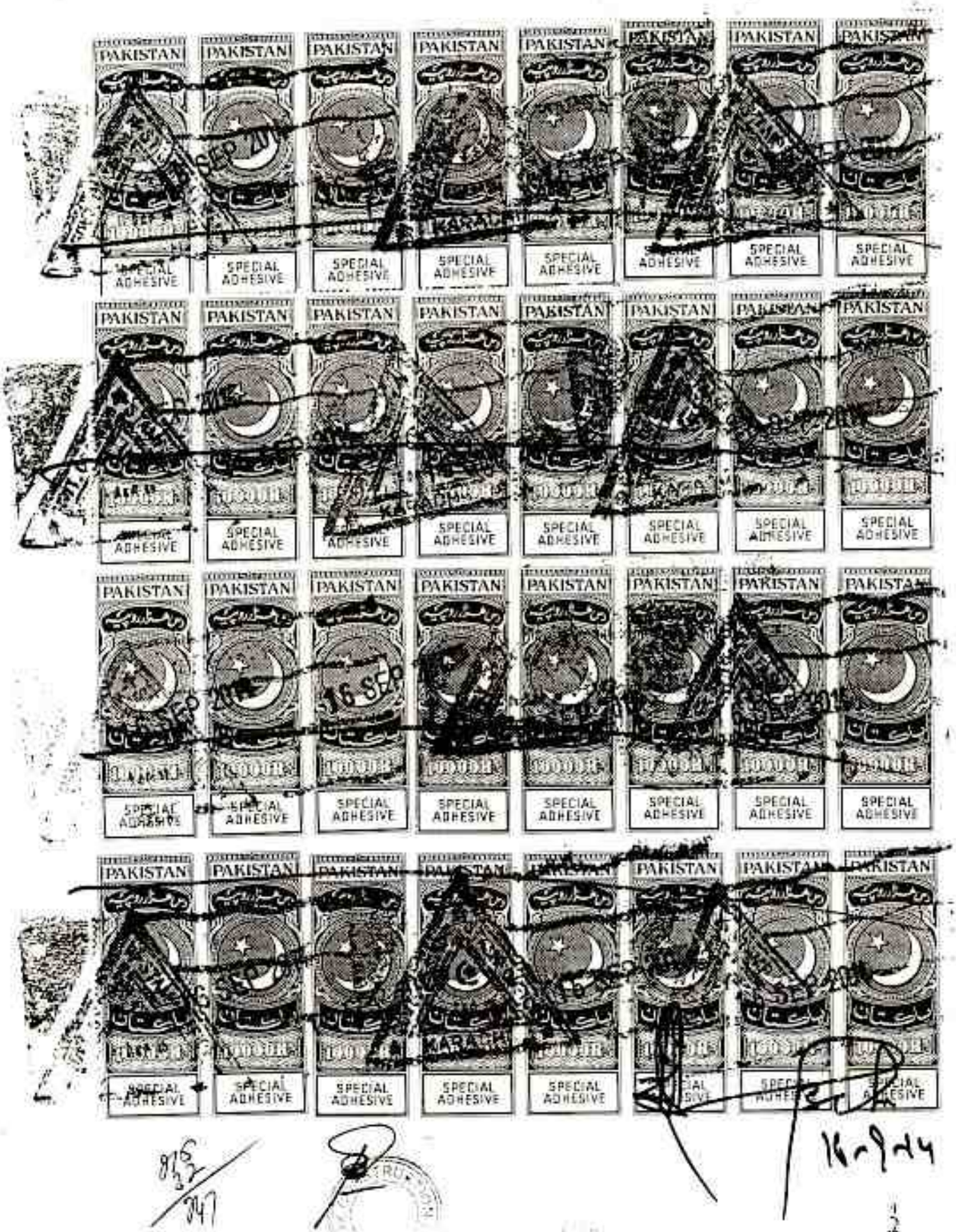

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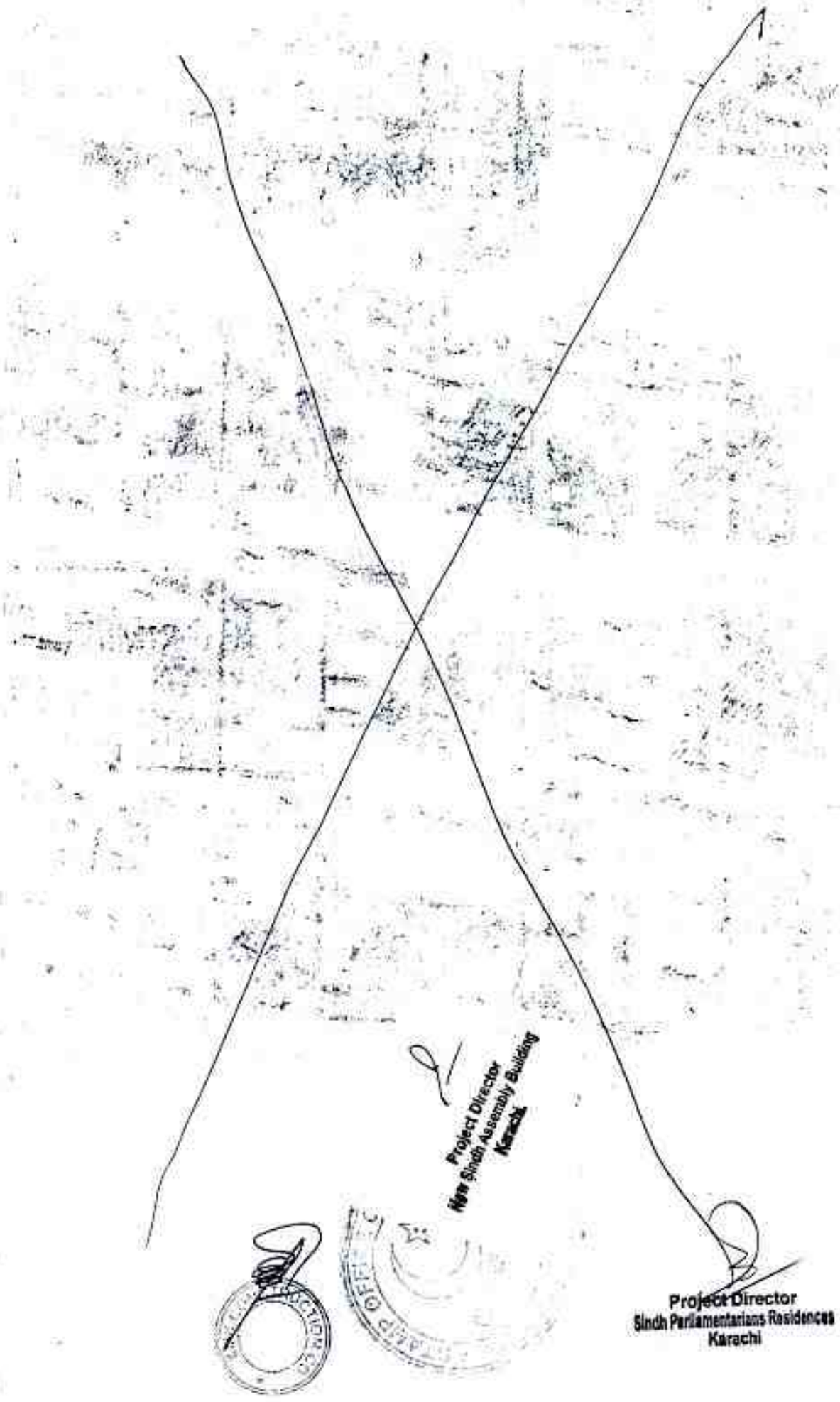
Phase – II, Ext D.H.A Karachi (hereinafter called the "Contractor") on the

Project Director
Sindh Parliamentarians Residences
Karachi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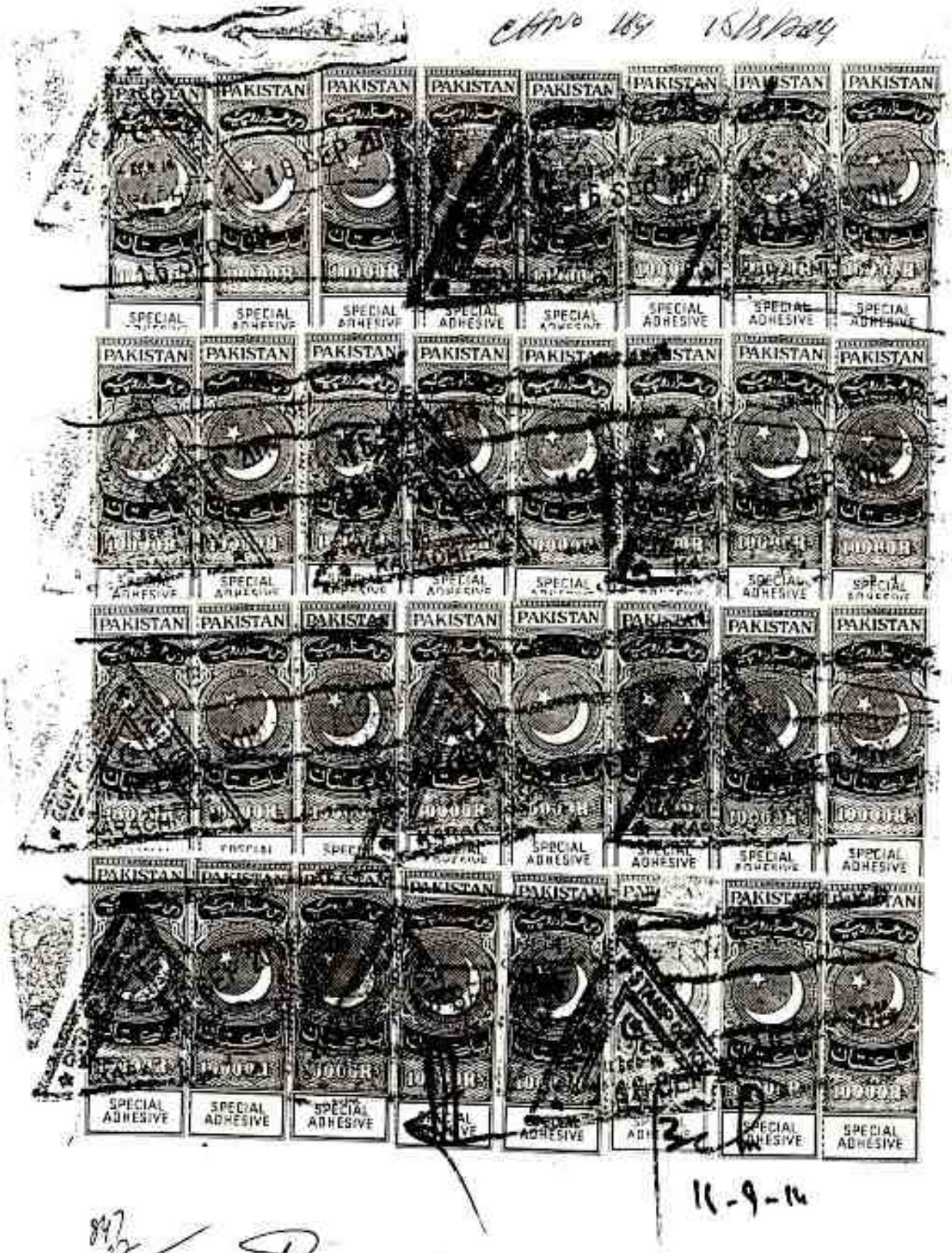
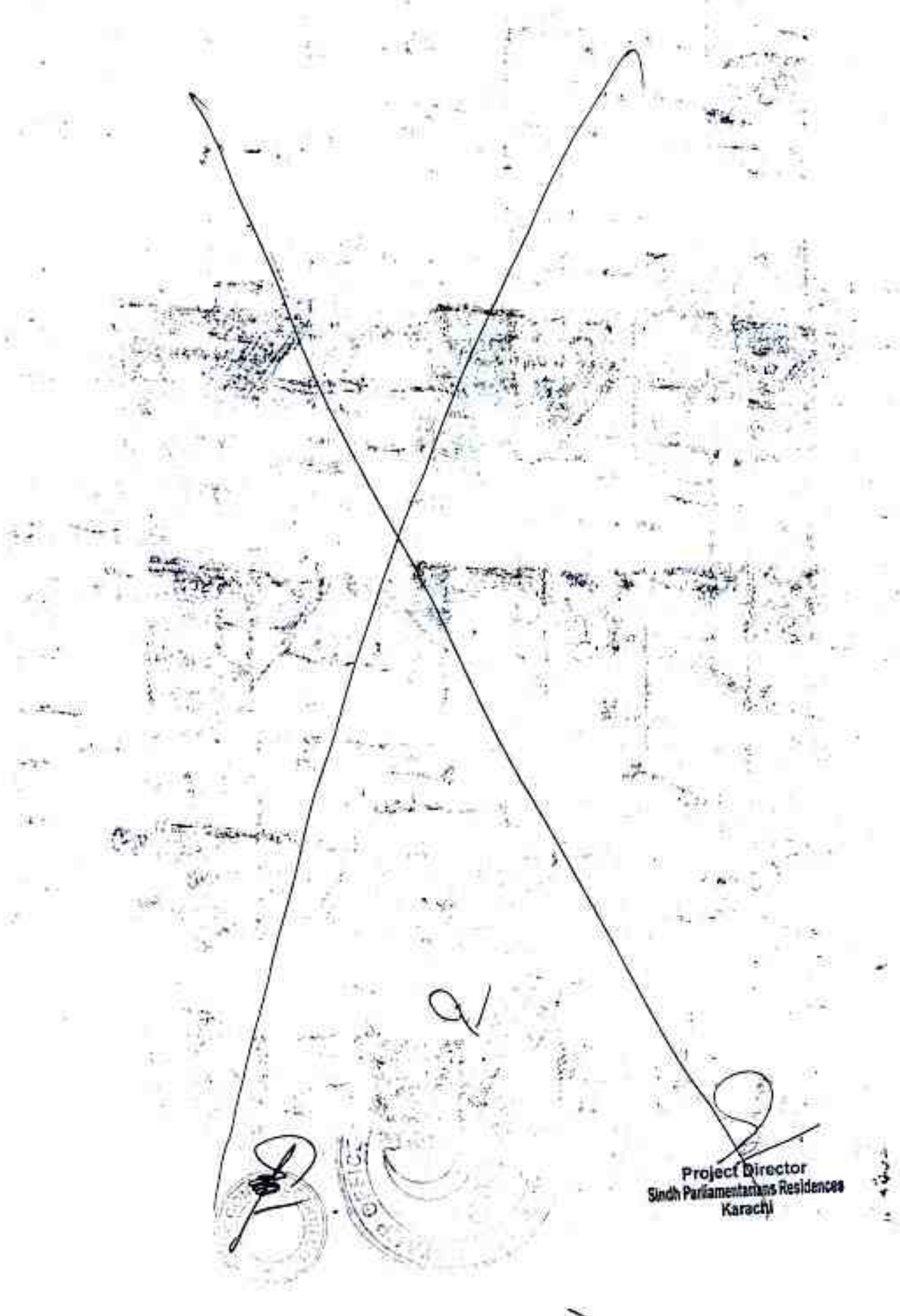
Project Director
Sindh Parliamentarians Residences
Karachi



other Part.

Project Director
Sindh Parliamentarians Residences
Karachi


Project Director
Sindh Parliamentarians Residences
Karachi

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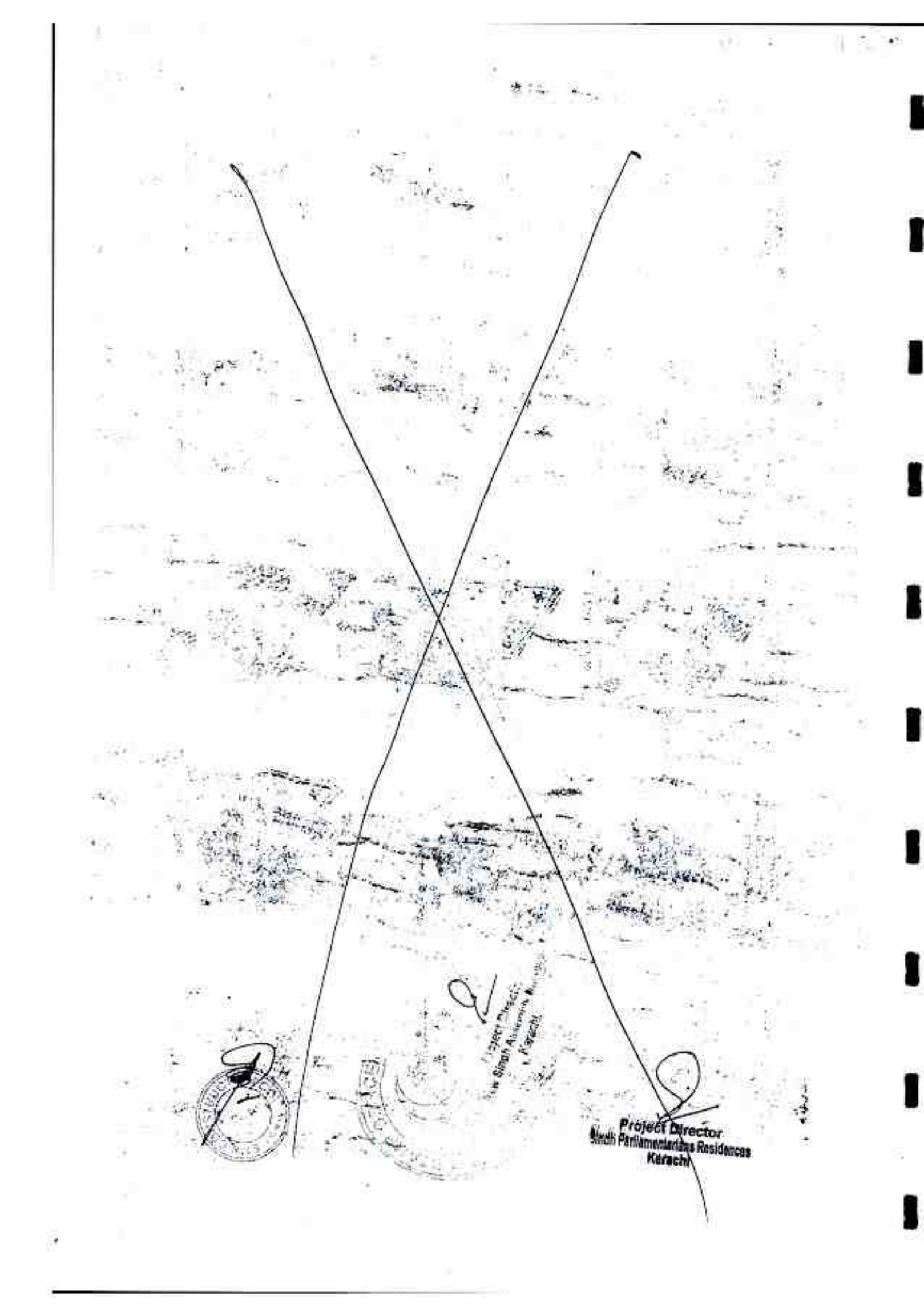
WHEREAS the Employer is desirous that certain Works, viz "Construction of .

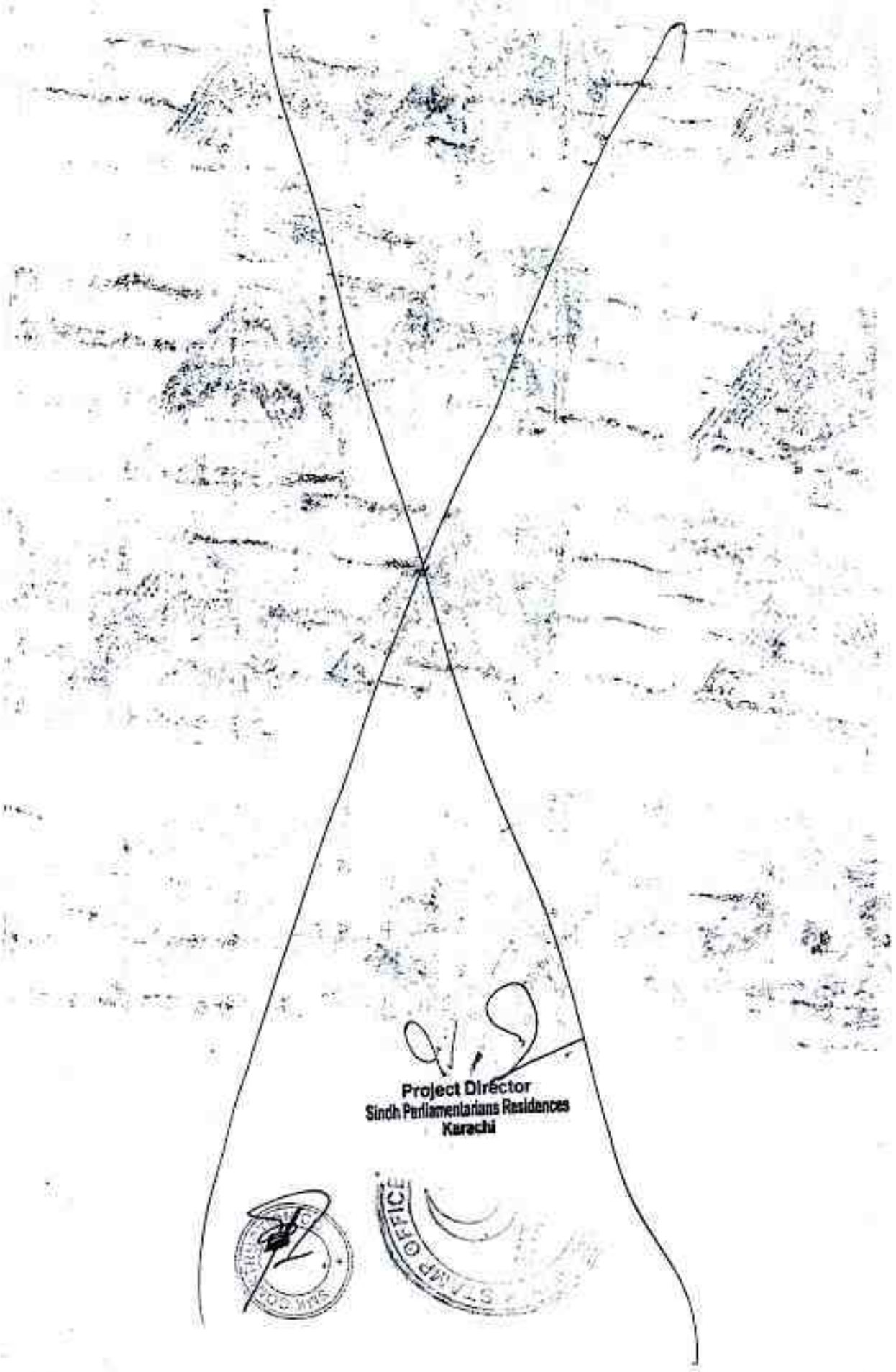
Project Director
Sindh Parliamentarians Residences
Karachi


Project Director
Sindh Parliamentarians Residences
Karachi

Sindh Parliamentarians Residences, Karachi" should be executed by the

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
New Sindh Assembly Building
Karachi.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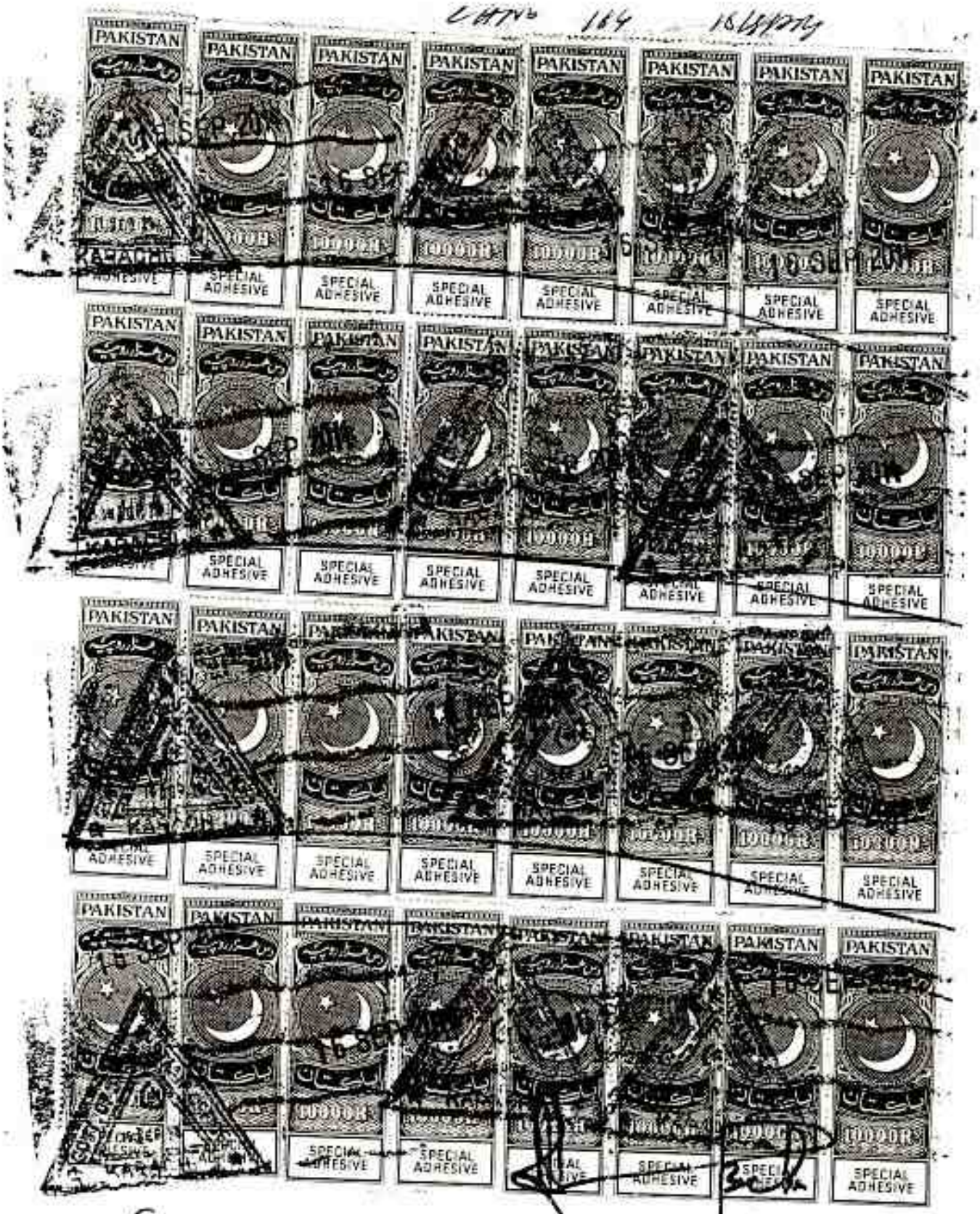
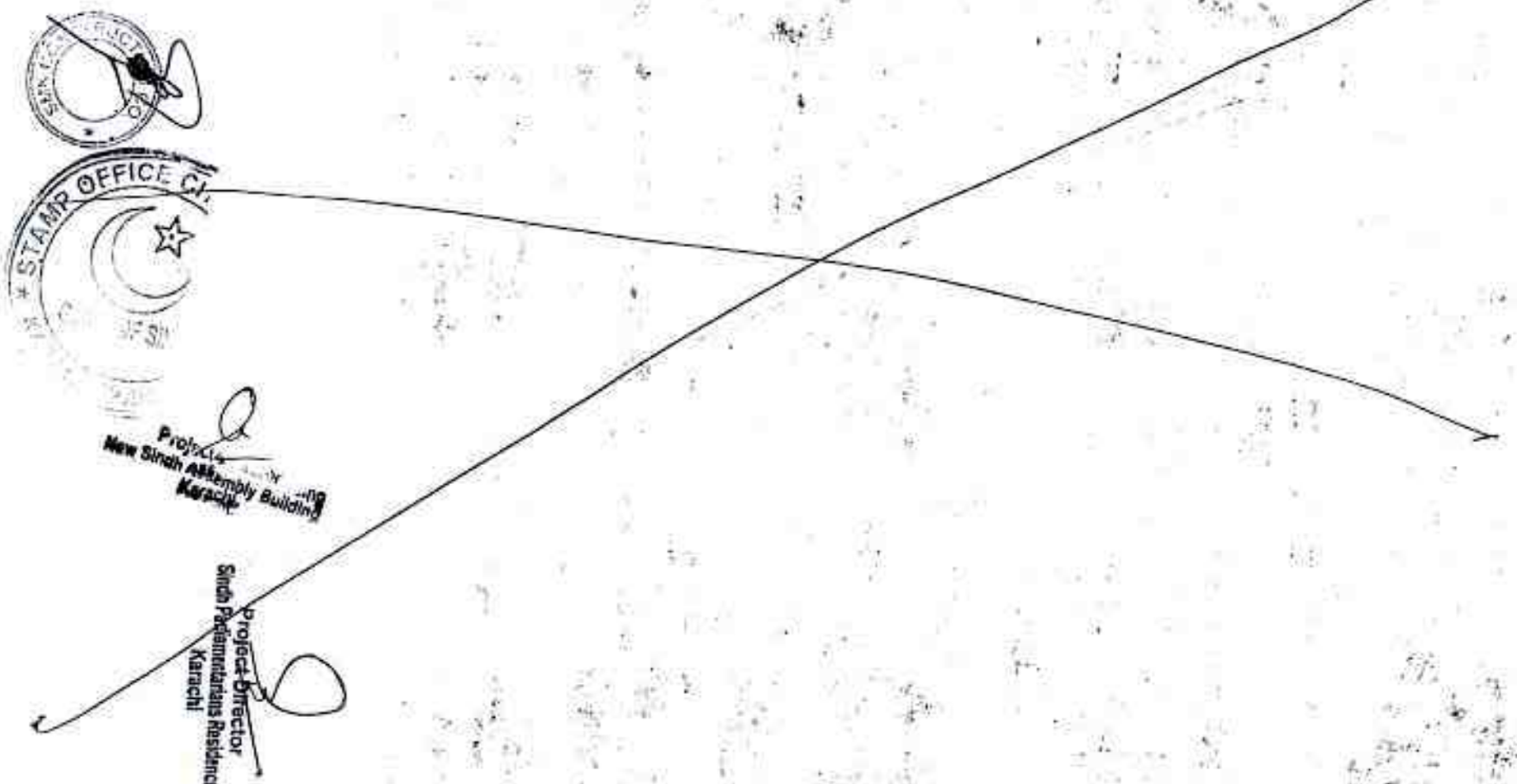
Sindh Parliamentarians Residences
Karachi



Contractor and has accepted a Bid amounting Rs. 4,964,728,092/- by the

Project Director
Sindh Parliamentarians Residences
Karachi

New Sindh Assembly Building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New Sindh Assembly Building
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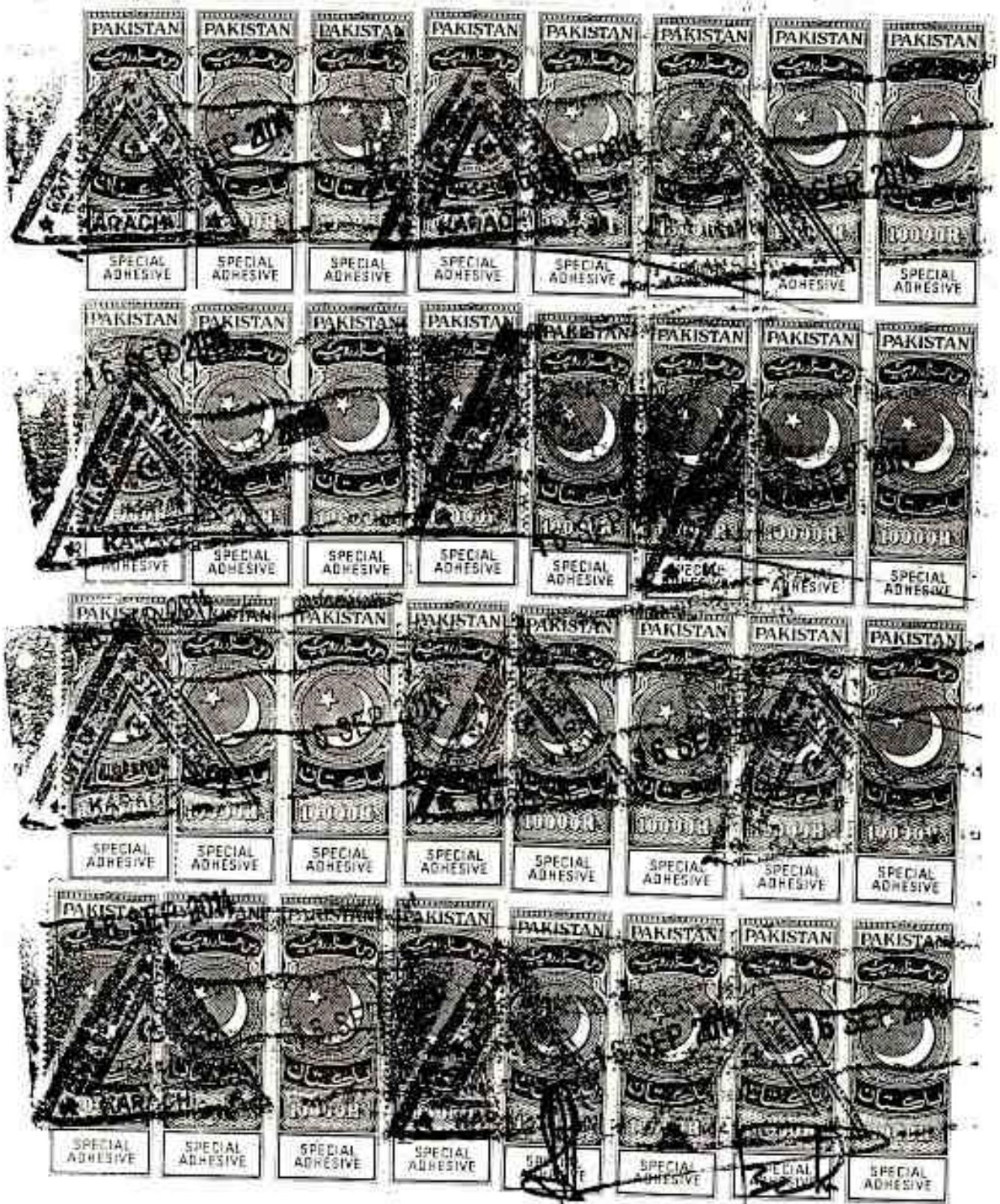
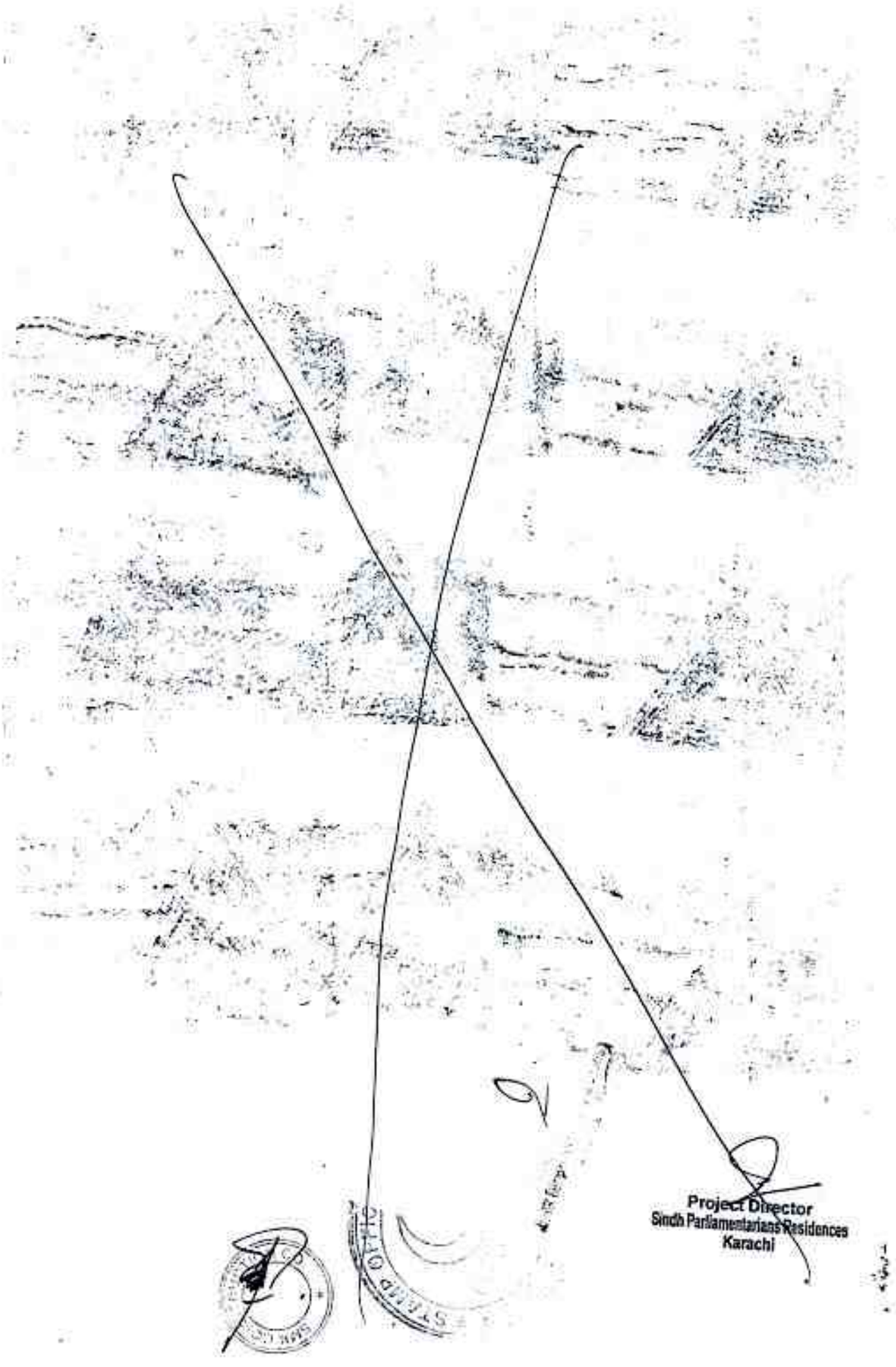
Sindh Parliamentarians Residences
Karachi



Contractor for the execution and completion of such Works and the

Project Director
Sindh Parliamentarians Residence
Karachi


Project Director
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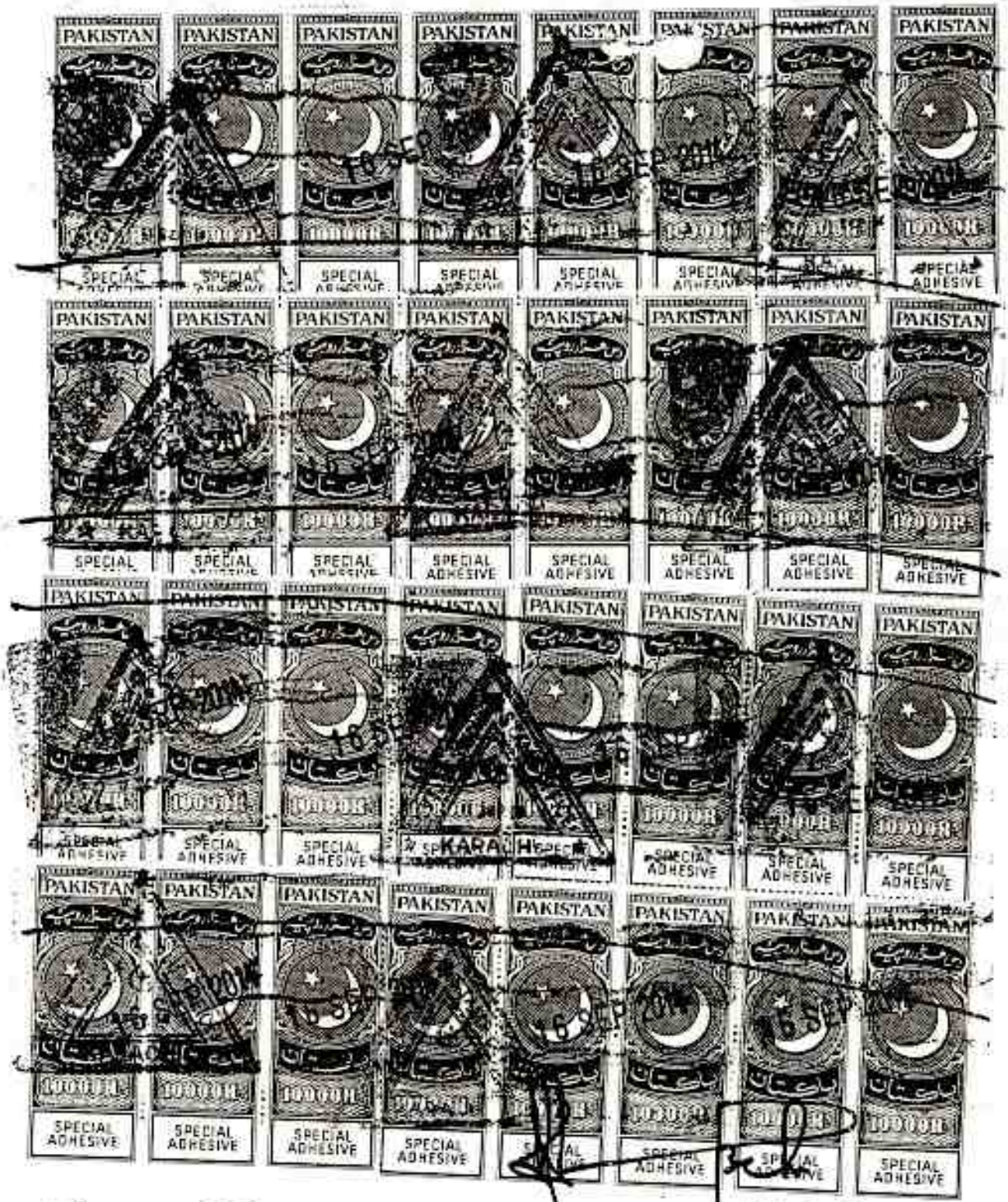
Karachi

Annexure 16A 16/8/2014



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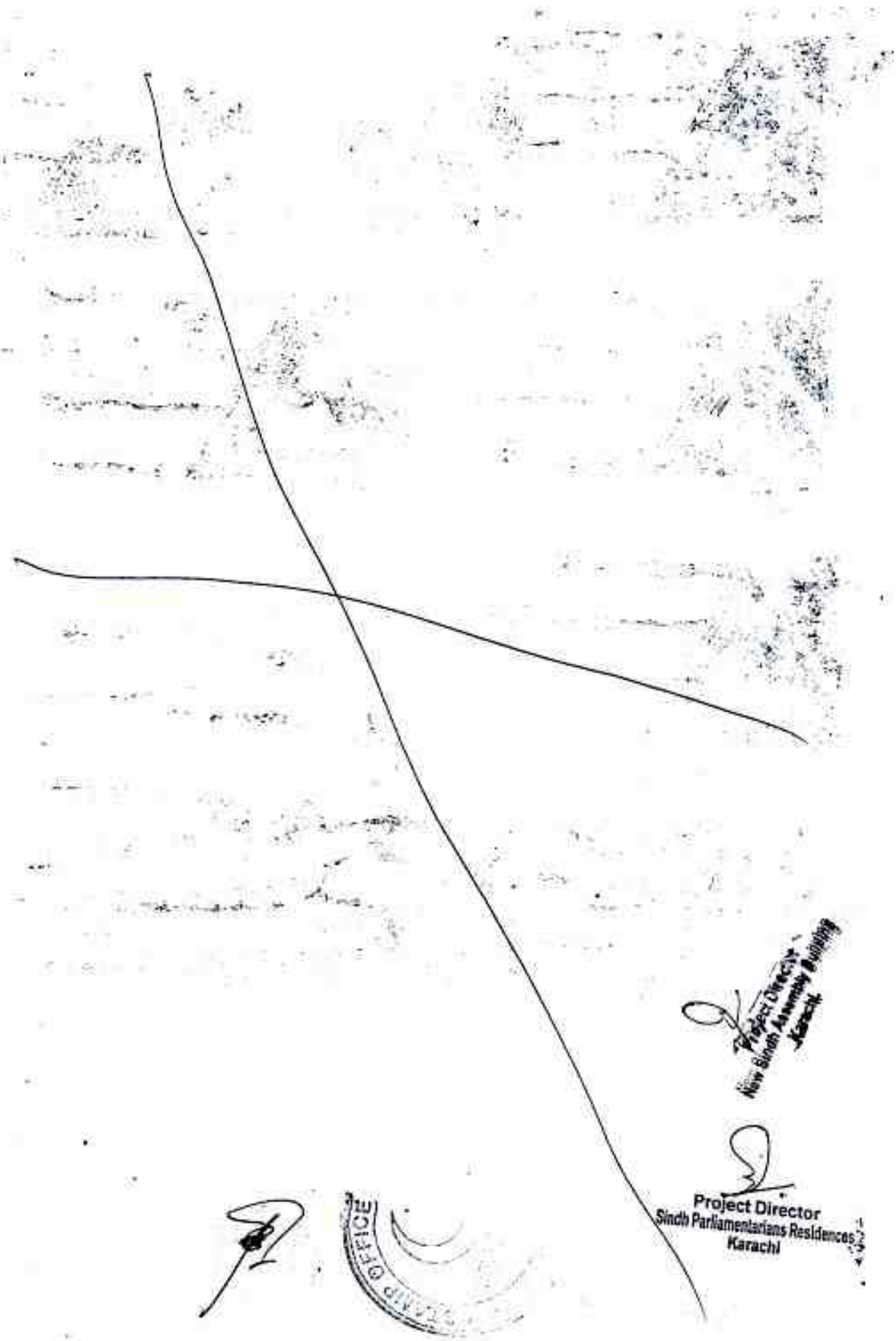
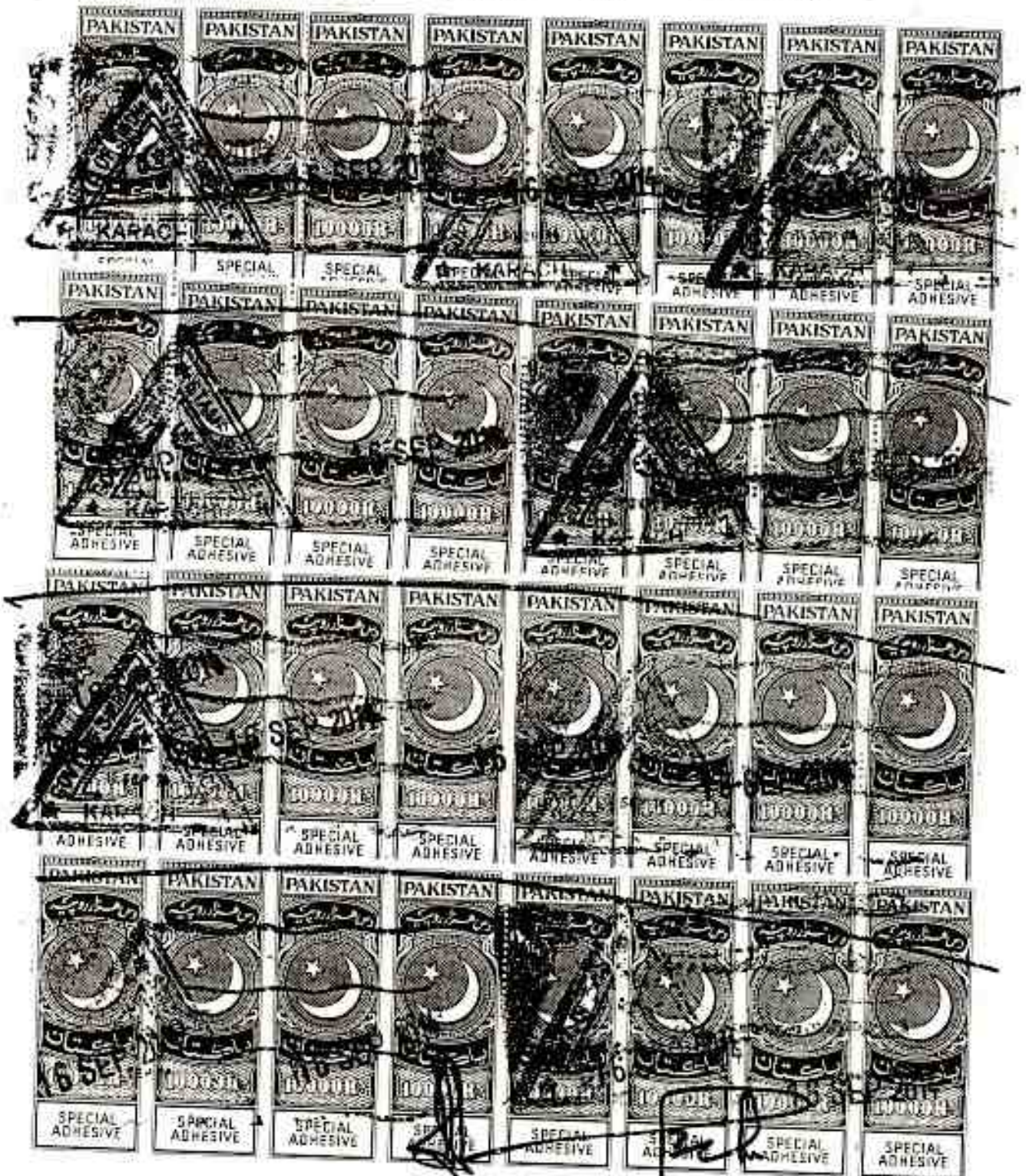
remedying of any defects therein.

Project Director
Sindh Parliamentarians Residences
Karachi


Project Director
New Sindh Assembly Building
Karachi
Project Director
Sindh Parliamentarians Residences
Karachi

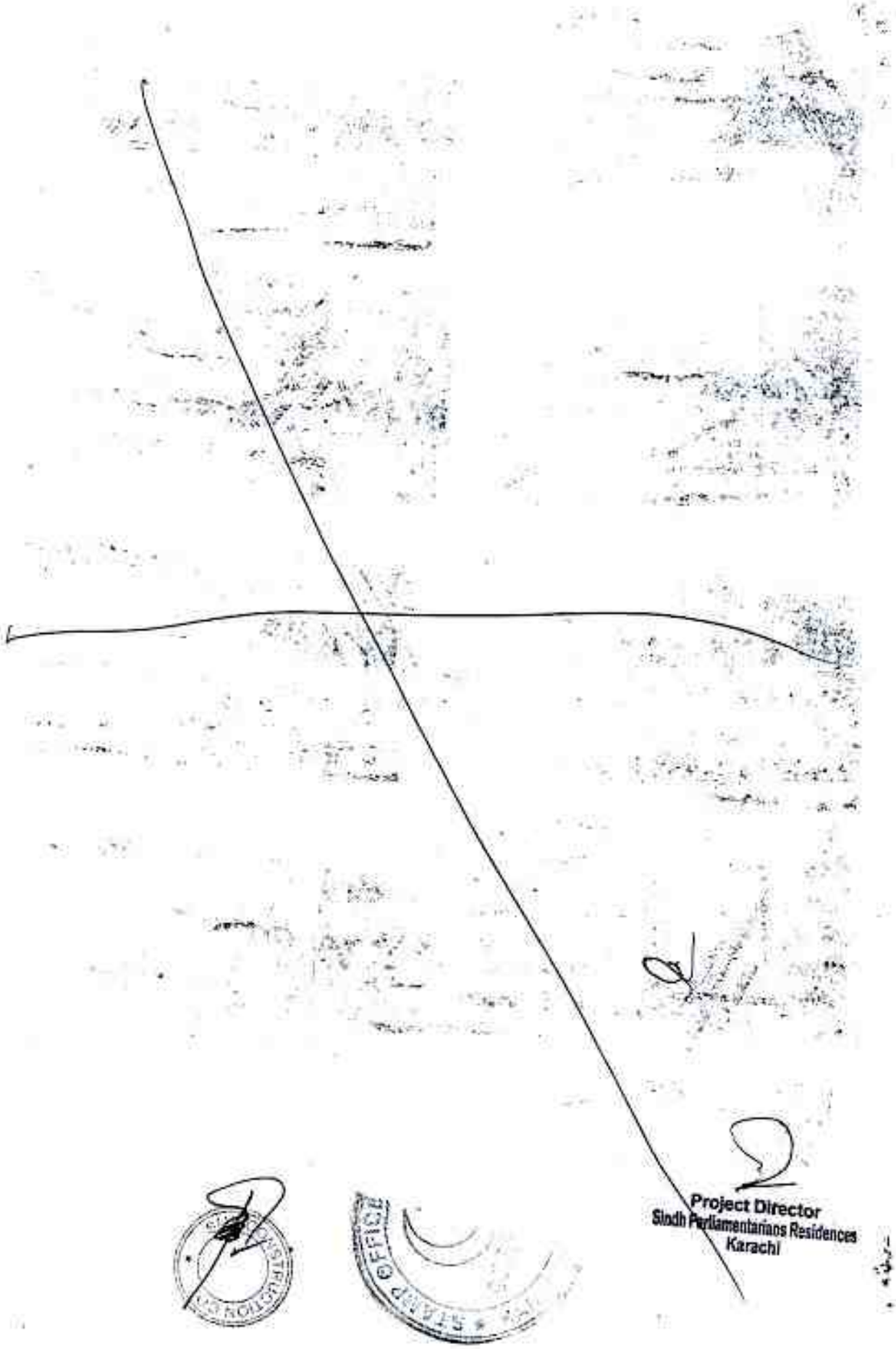
Cont No 164 15/11/2014



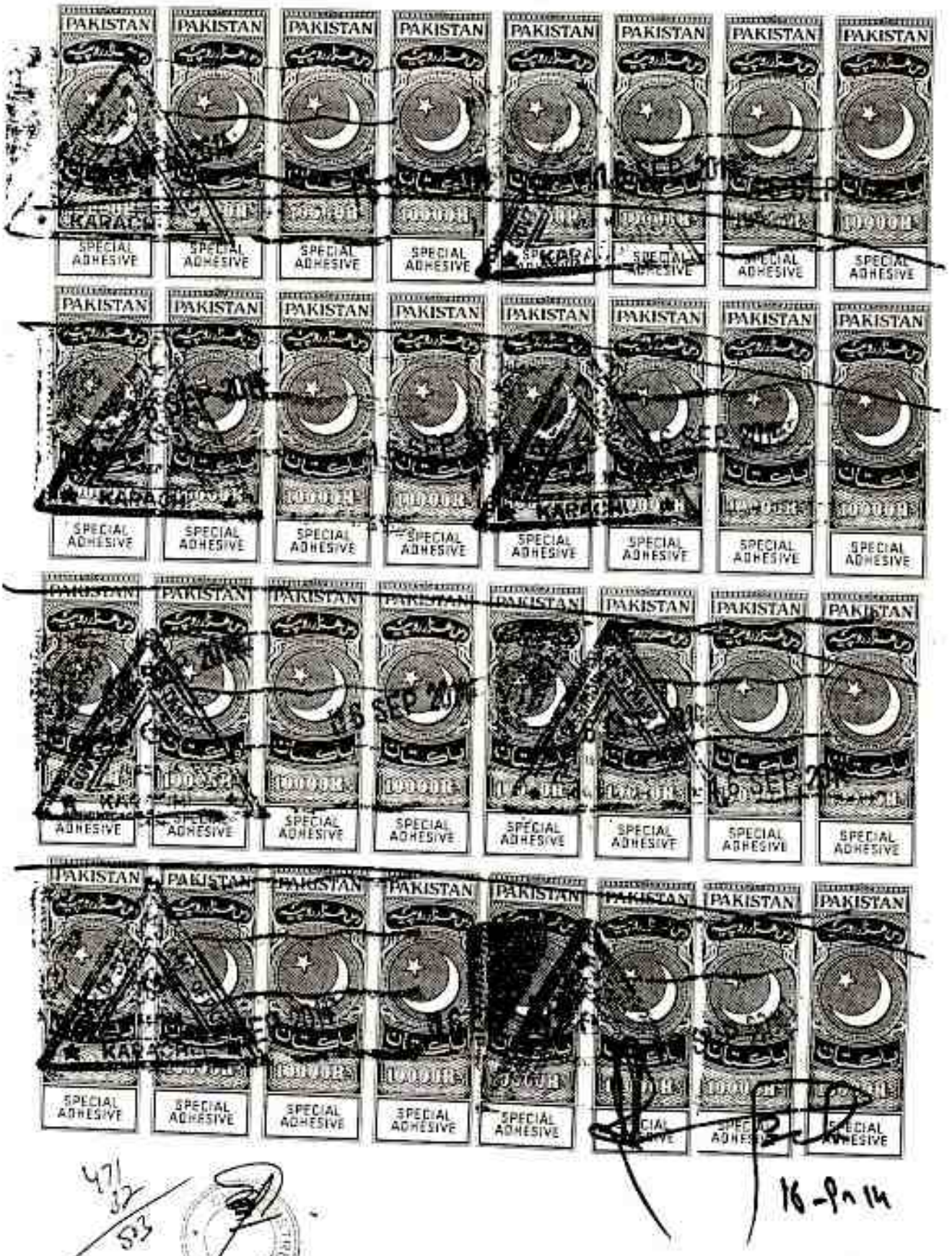
437/82
471

Now this Agreement witnesseth as follows:

Project Director
Sindh Parliamentarians Resou
Karachi

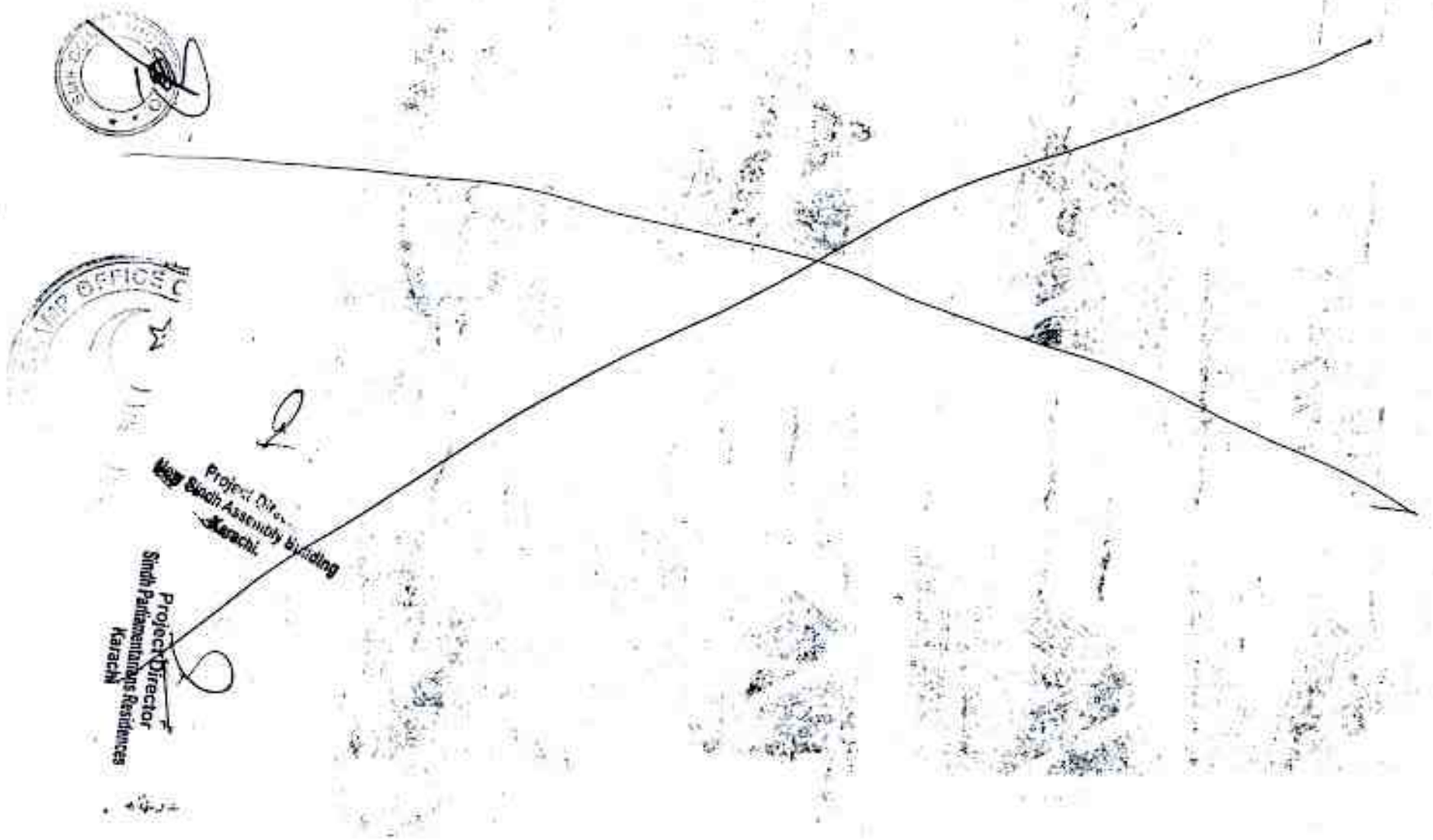


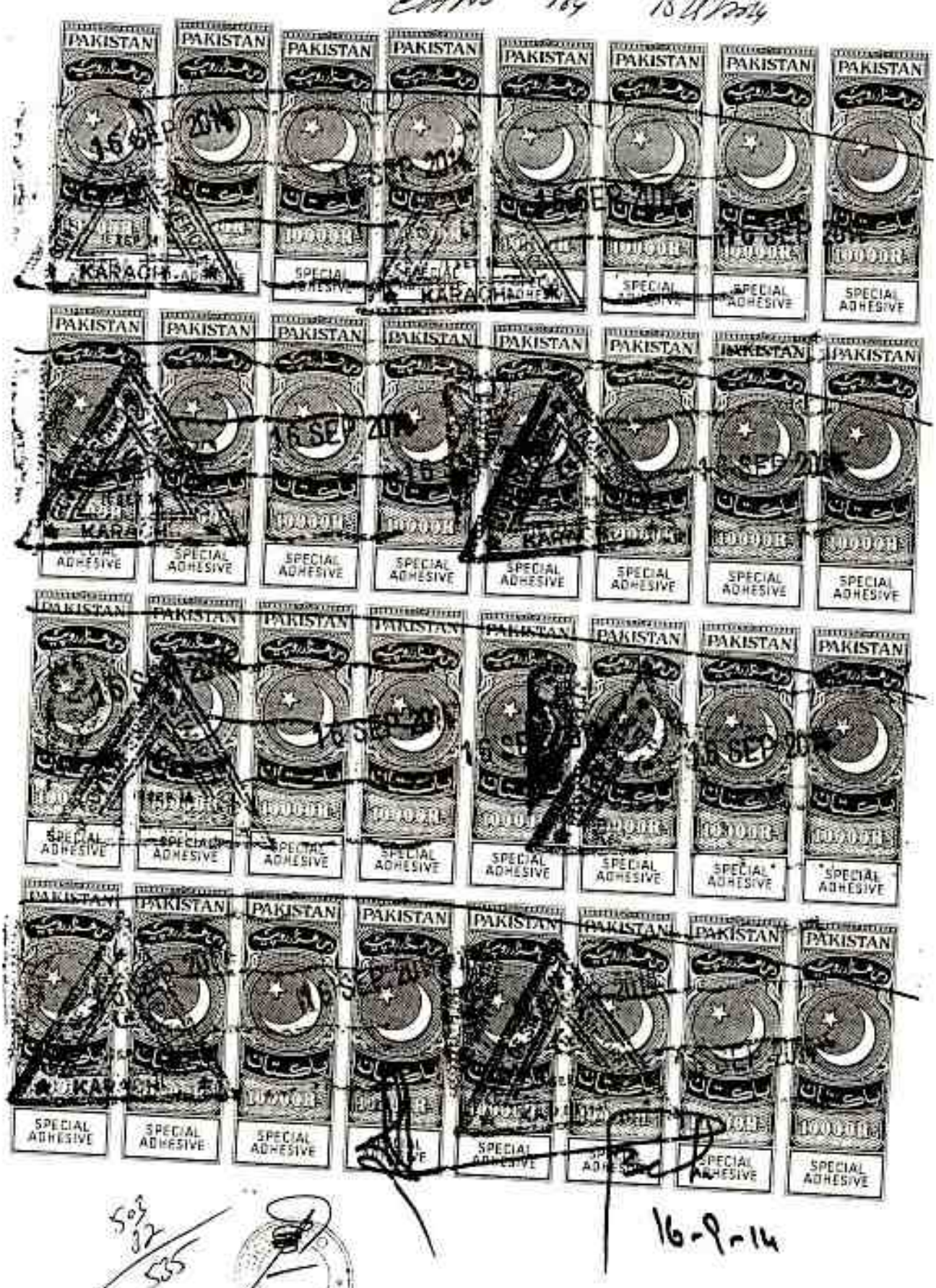
Project Director
Sindh Parliamentarians Residences
Karachi



1. In this Agreement words and expressions shall have the same meanings.

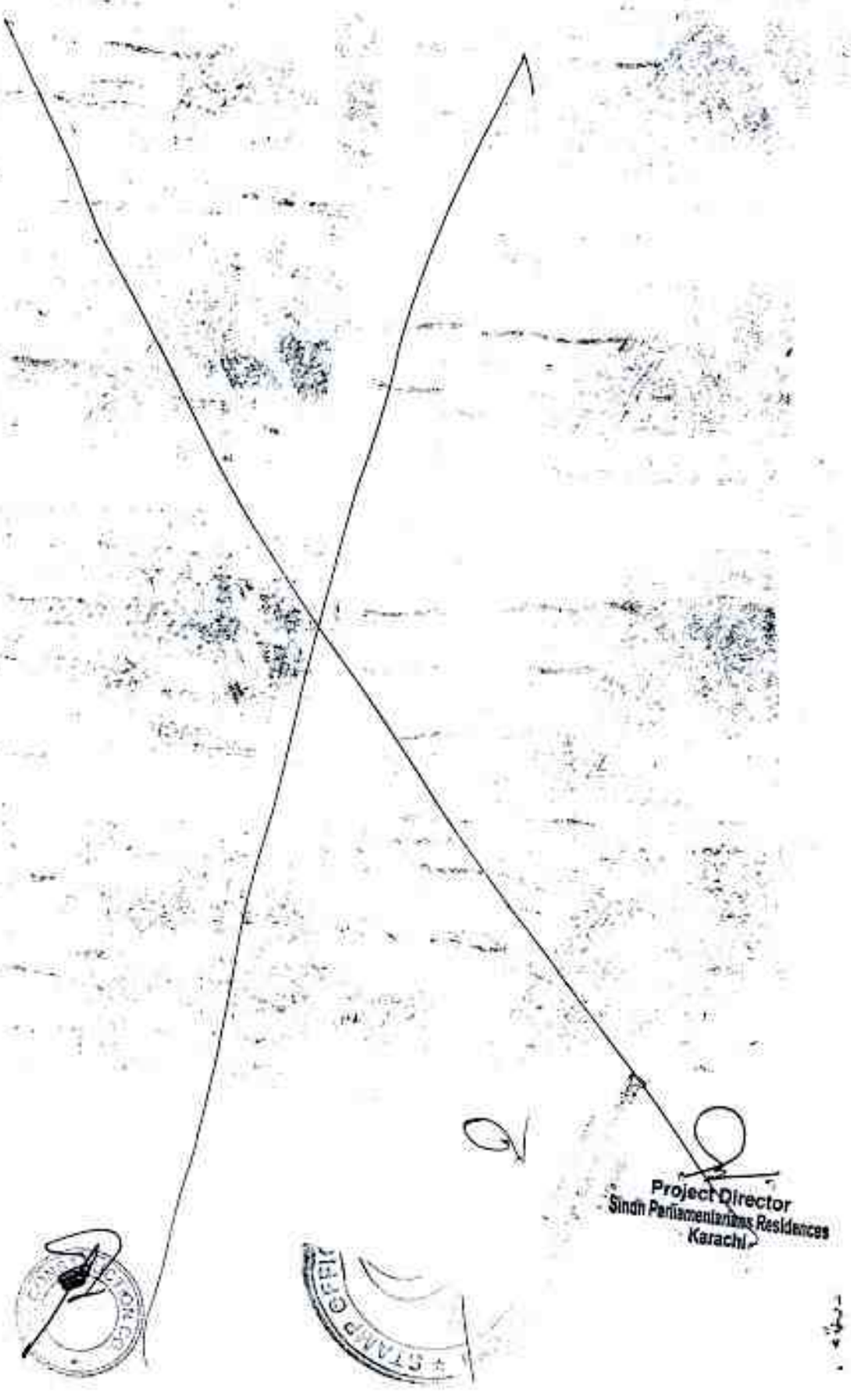
Project Director
Sindh Parliamentarians Residences
Karachi


Project Director
Sindh Assembly Building
Karachi.
Project Director
Sindh Parliamentarians Residences
Karachi

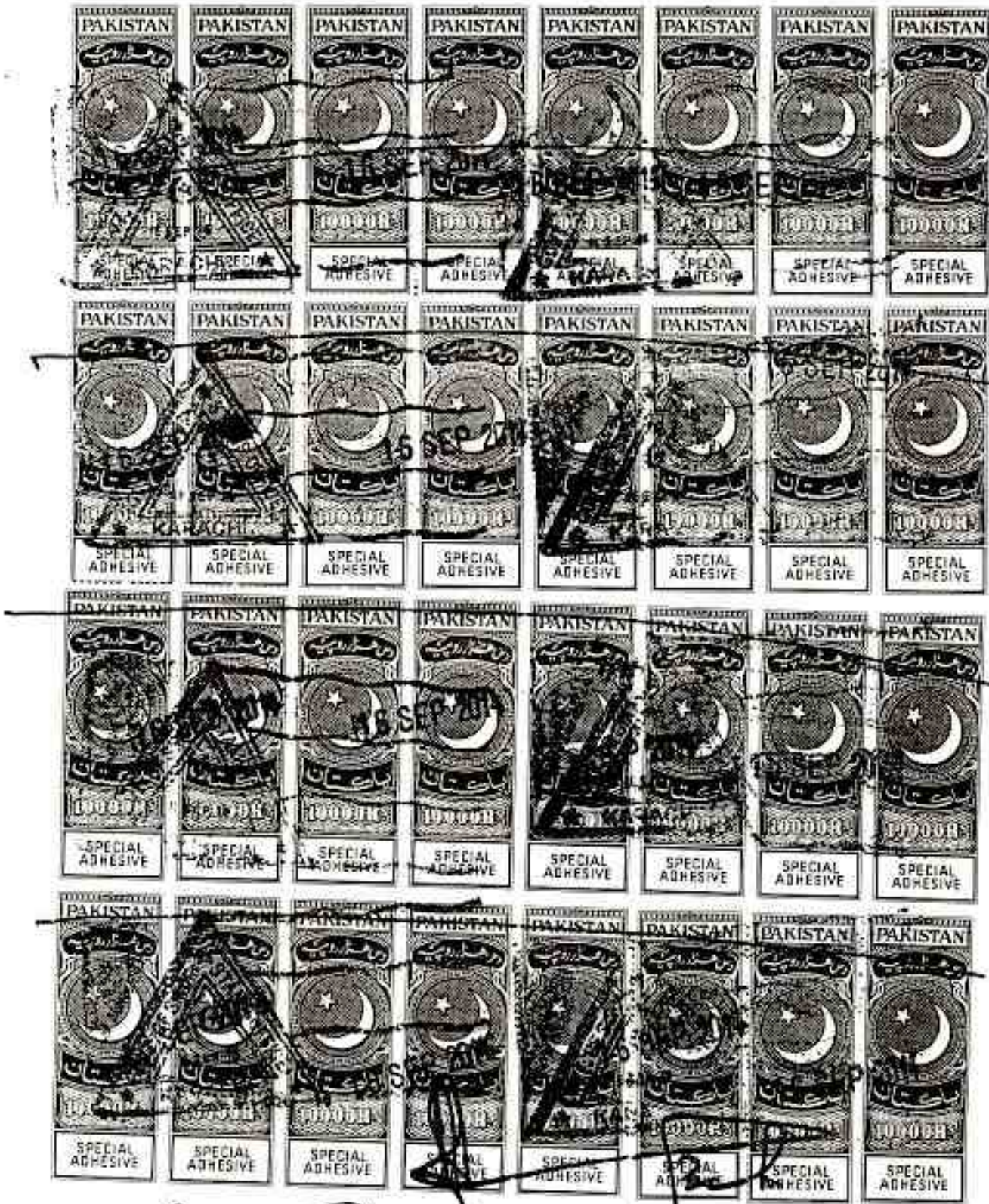


as are respectively assigned to them in the Conditions of Contract

Project Director
Sindh Parliamentarians Residences
Karachi


Project Director
Sindh Parliamentarians Residences
Karachi

Cl/No 164 18/9/2014



535
22
567

16-9-14

hereinafter referred to.

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
Sindh Assembly Building
Karachi.

Project Director
New Sindh Assembly Building
Karachi

Project Director
Sindh Parliamentarians Residences
Karachi

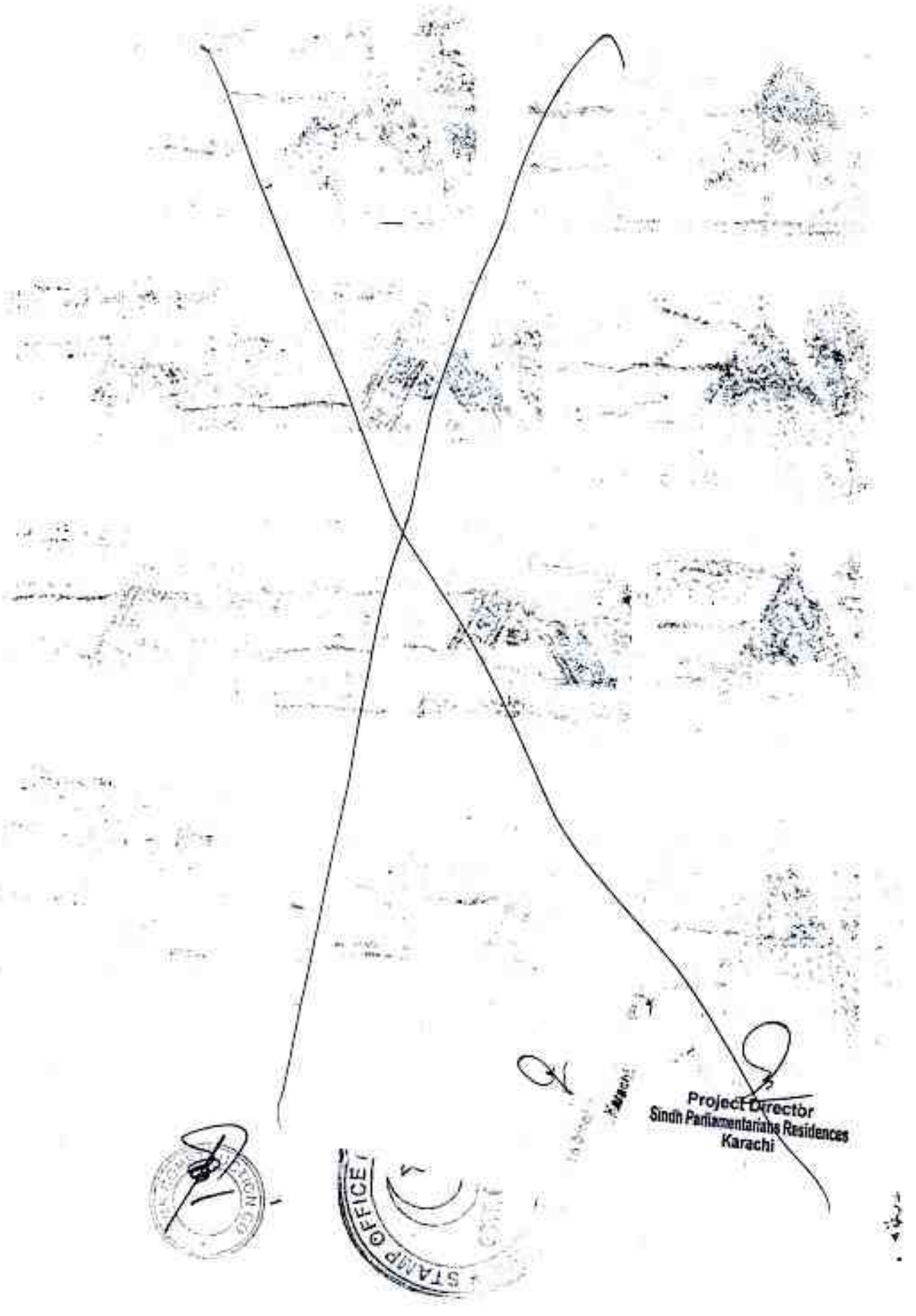
OFFICE

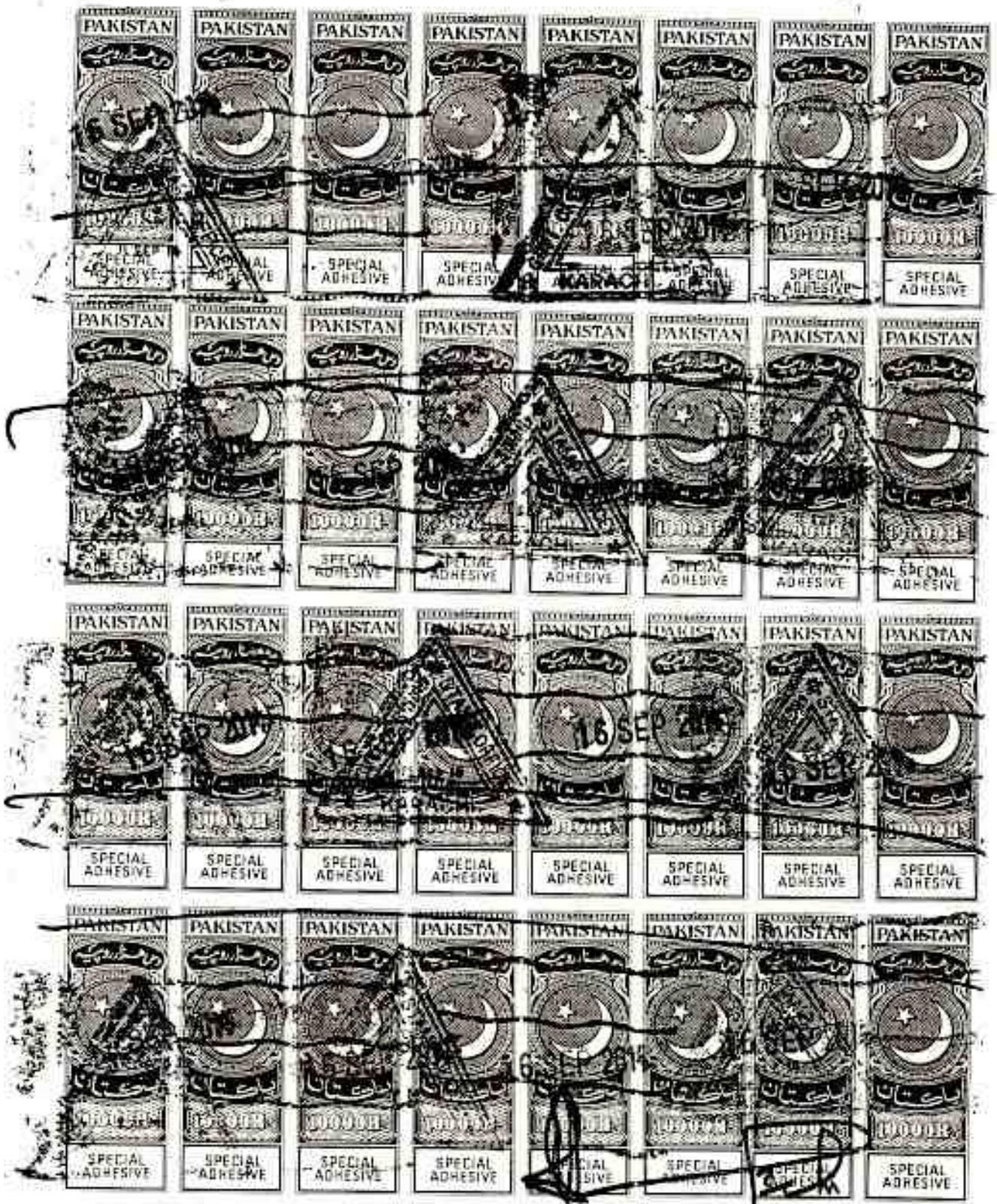
Corr. 164 16/9/2014

16-9-14

2. The following documents after incorporating addenda / Clarification as

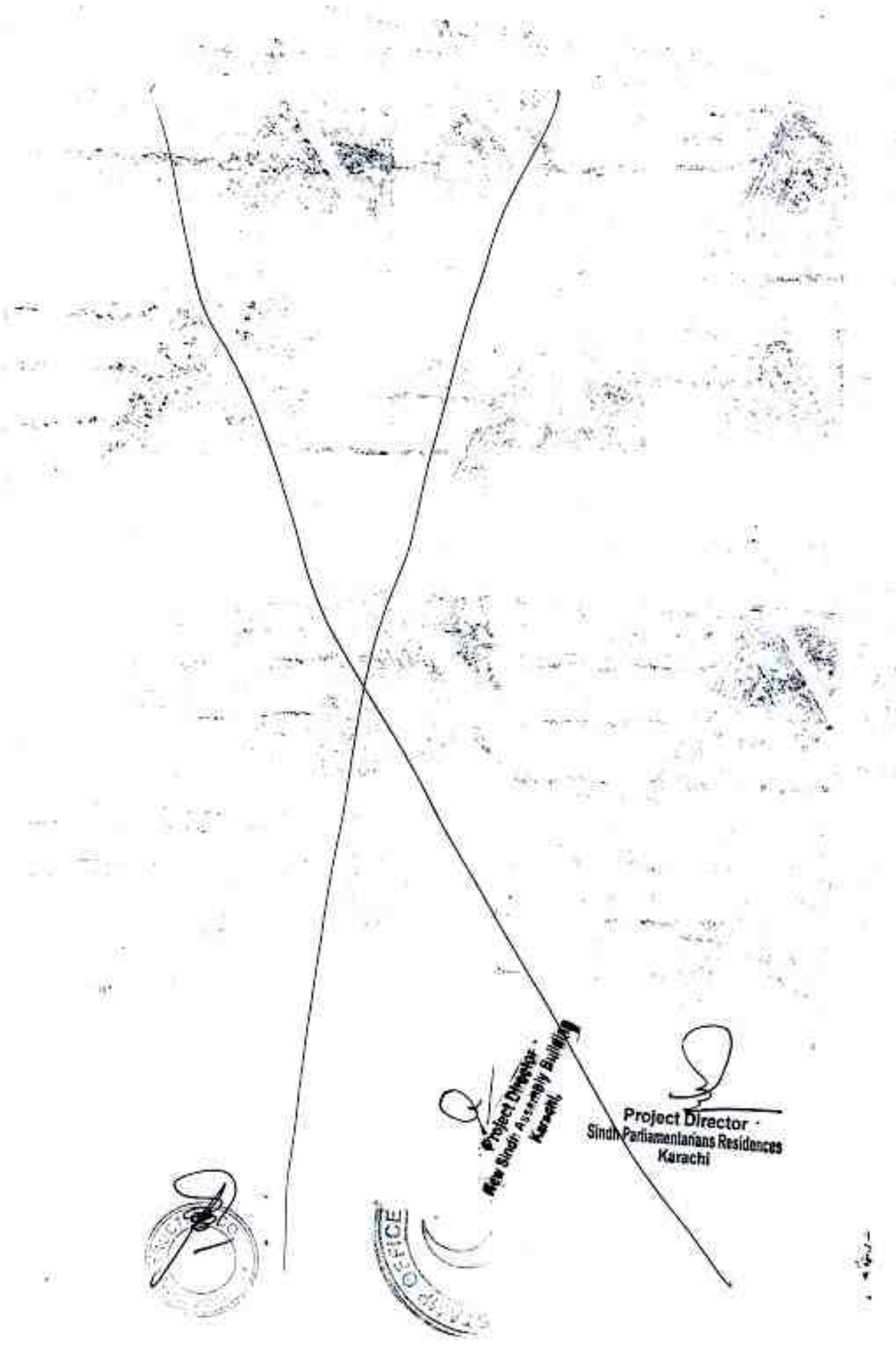
Project Director
Sindh Parliamentarians Residences
Karachi

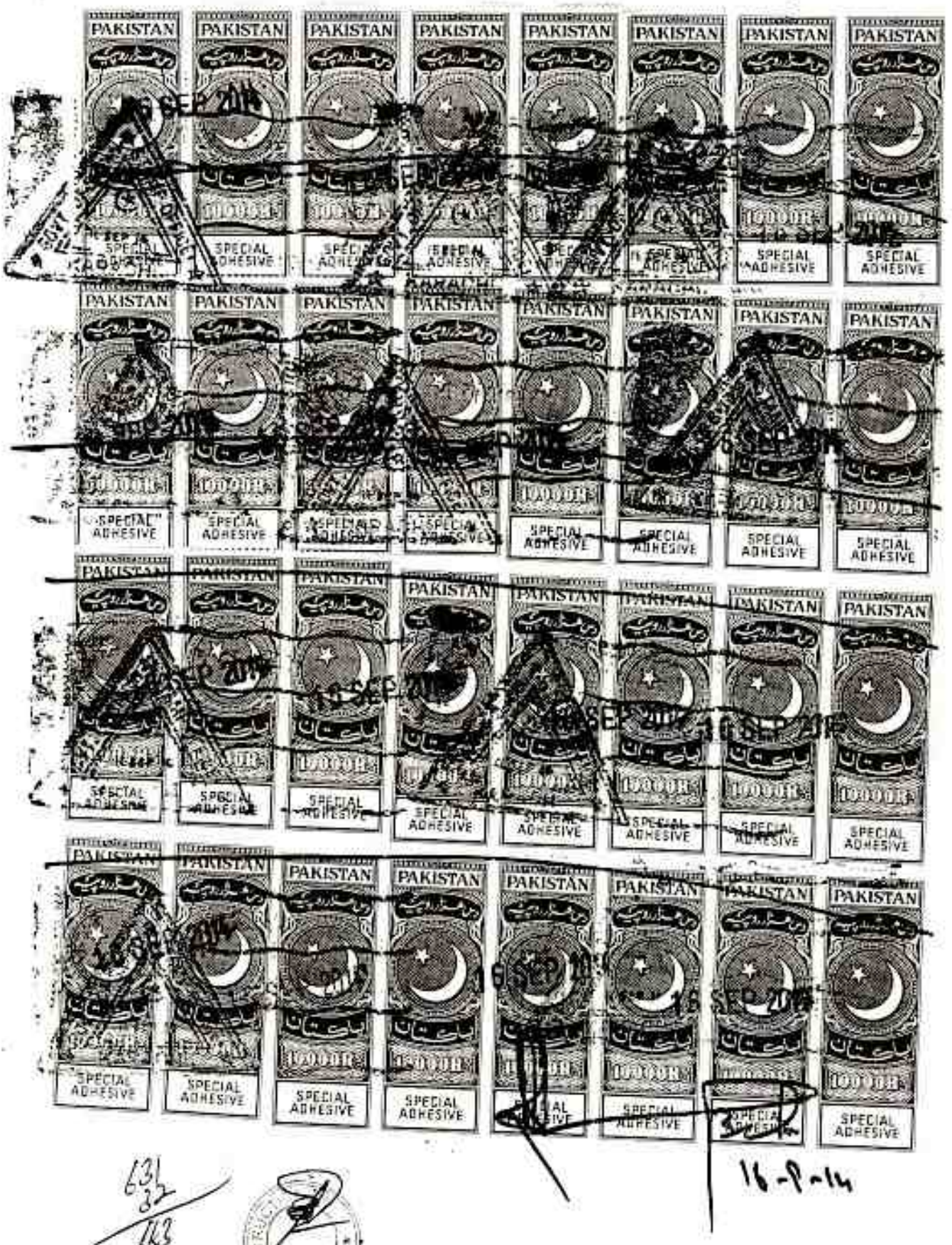

Project Director
Sindh Parliamentarians Residences
Karachi
STAMP OFFICE



agreed or otherwise, if any, except those parts relating to Instructions

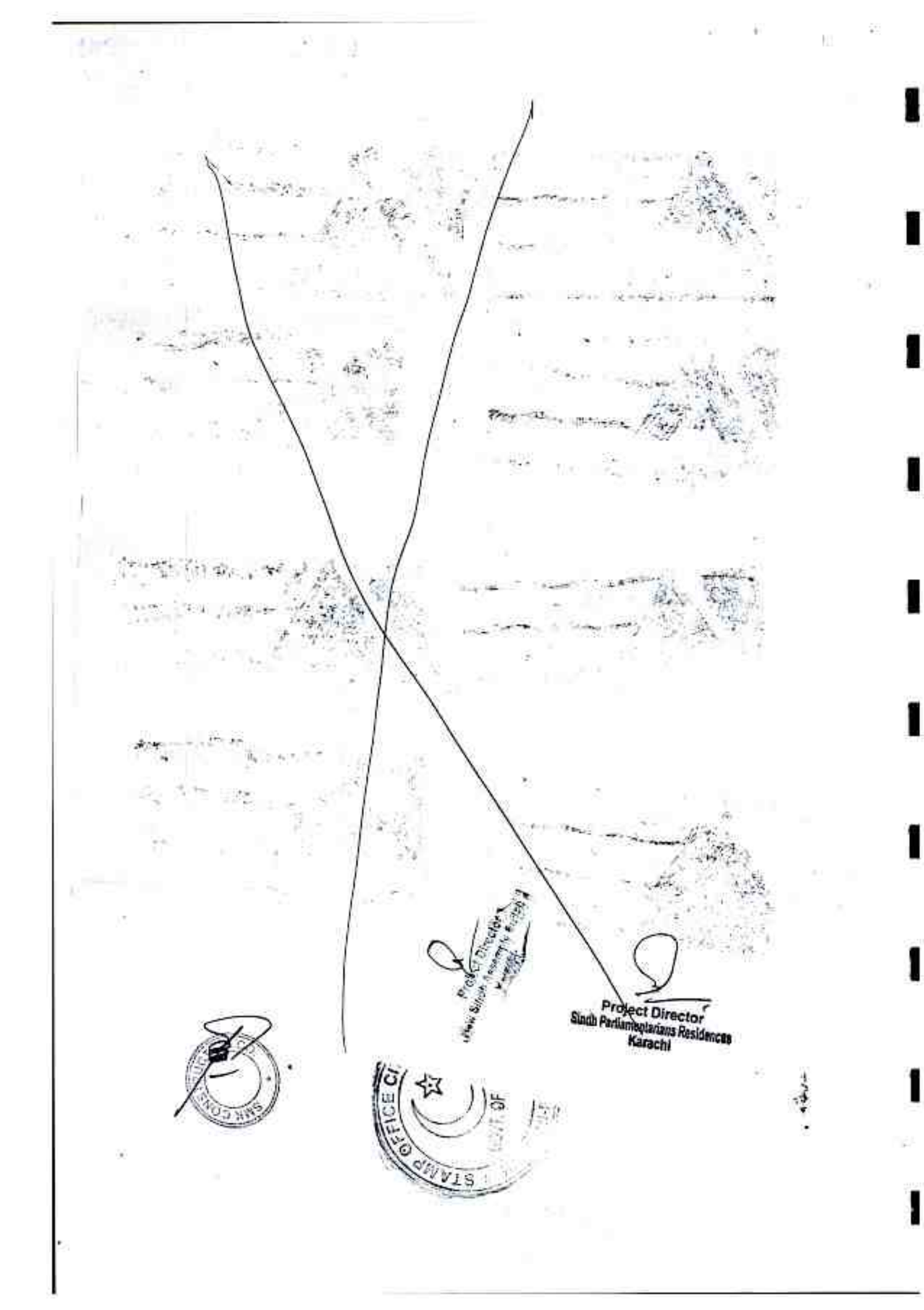
Project Director
Sindh Parliamentarians Residences
Karachi


Project Director
New Sindh Assembly Building
Karachi
Project Director
Sindh Parliamentarians Residences
Karachi

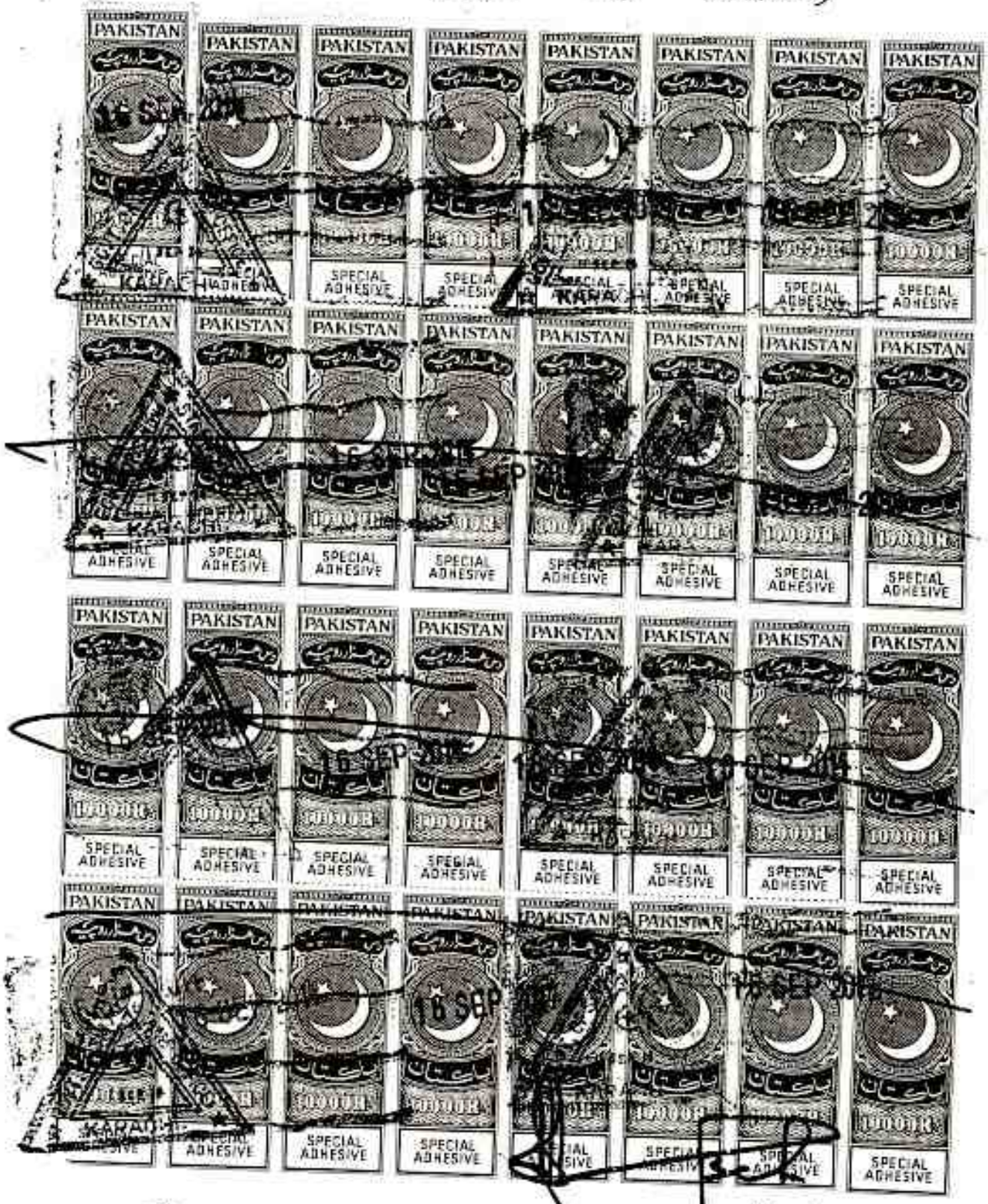


to Bidders shall be deemed to form and be read and construed as part

Project Director
Sindh Parliamentarians Residences
Karachi


Project Director
Sindh Parliamentarians Residences
Karachi

Office No. 164 16/9/2014



663
82
695

16-9-14

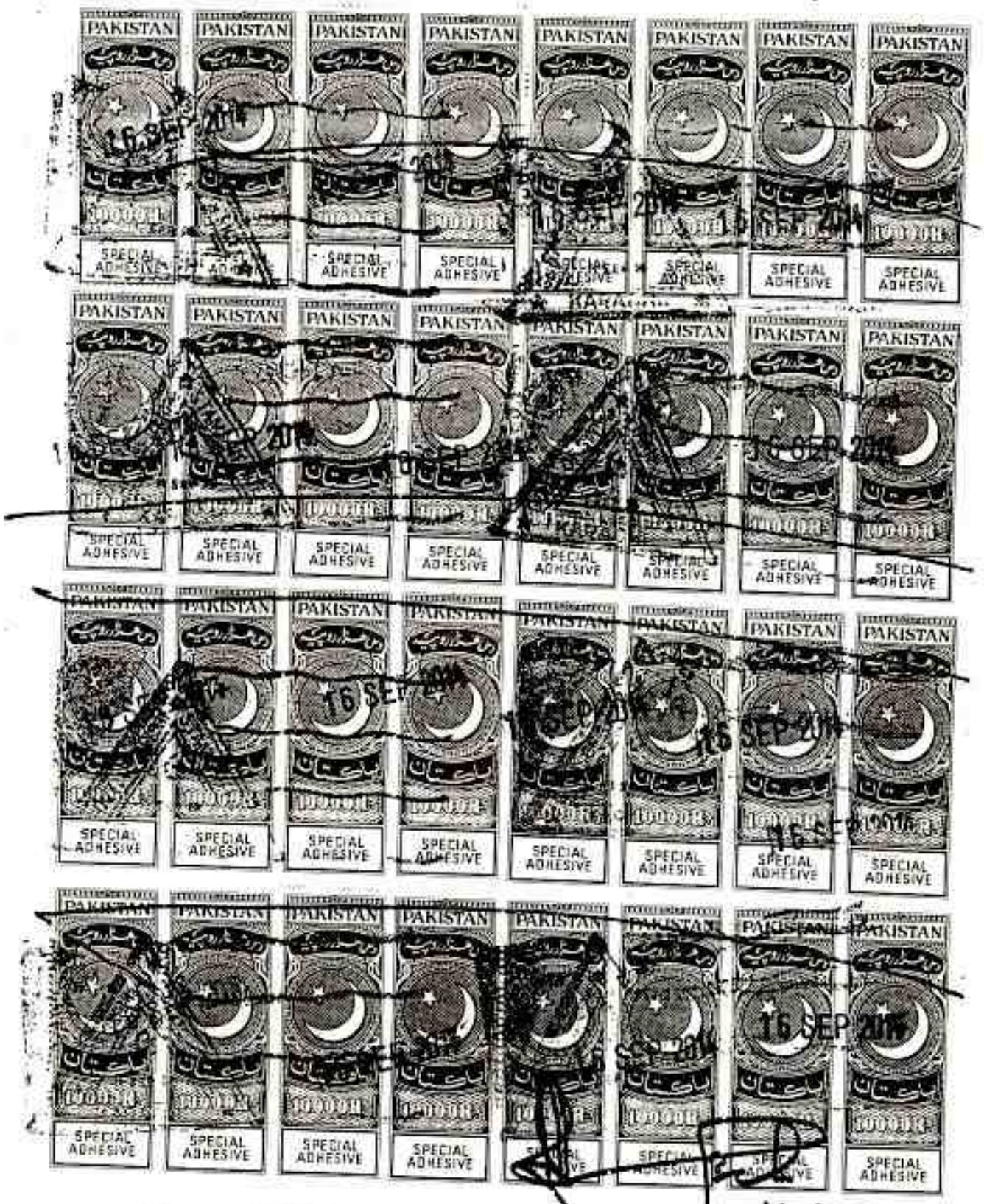
of this Contract, viz:-

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
New Sindh Assembly Building
Karachi

Project Director
Sindh Parliamentarians Residences
Karachi

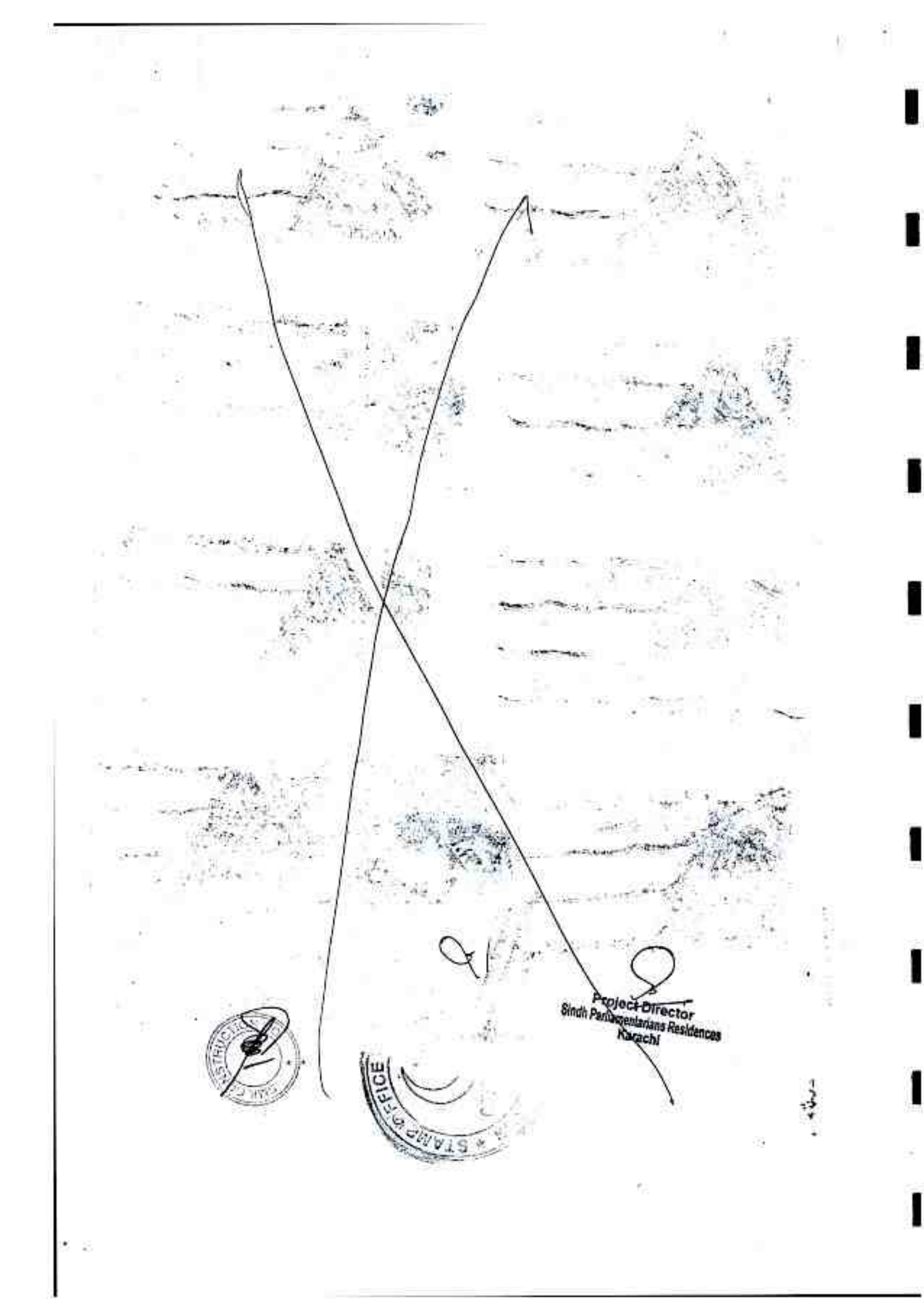
STAMP OFFICE

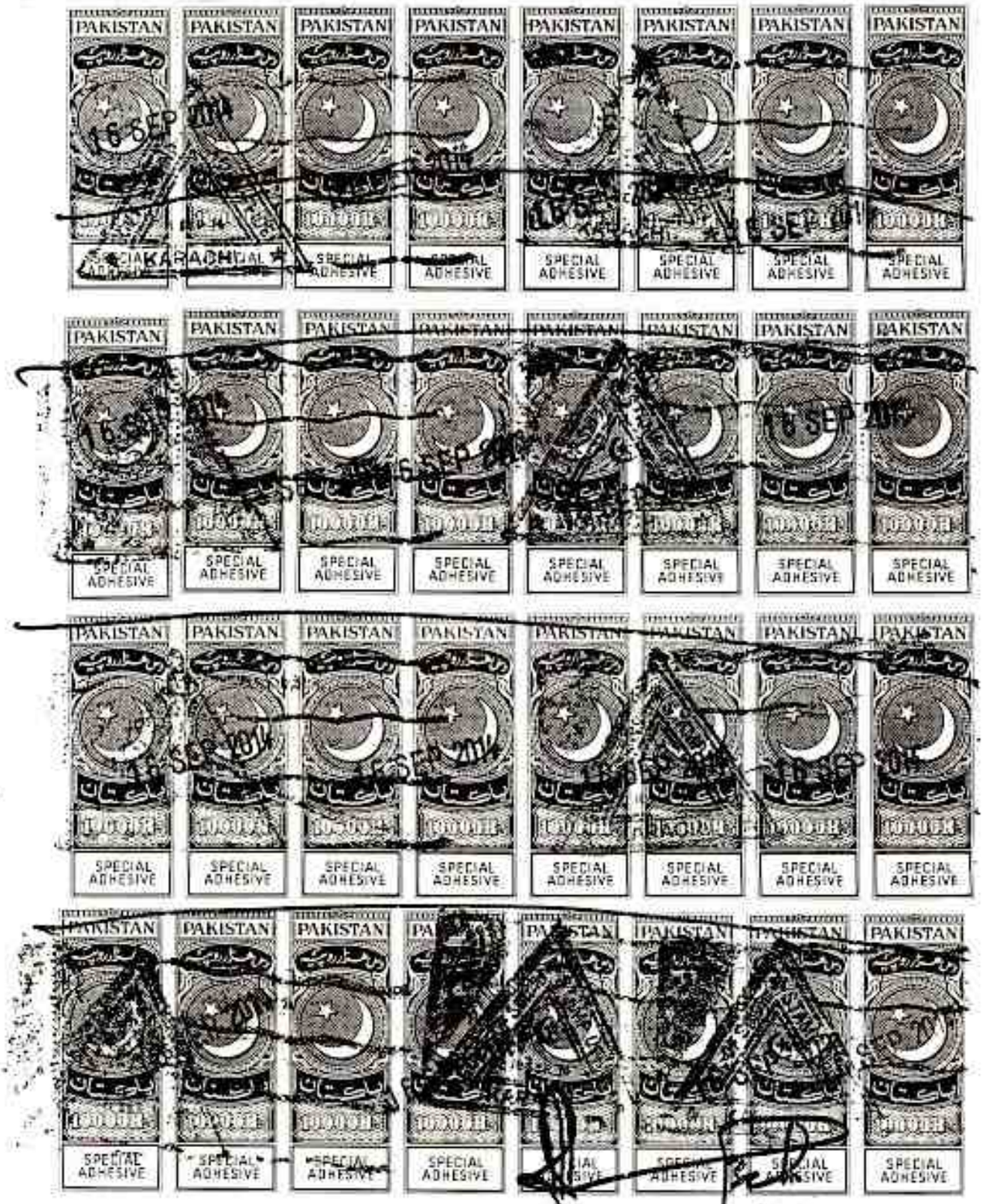


a) The Contract Agreement;

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
New Sindh Assembly Building
Karachi

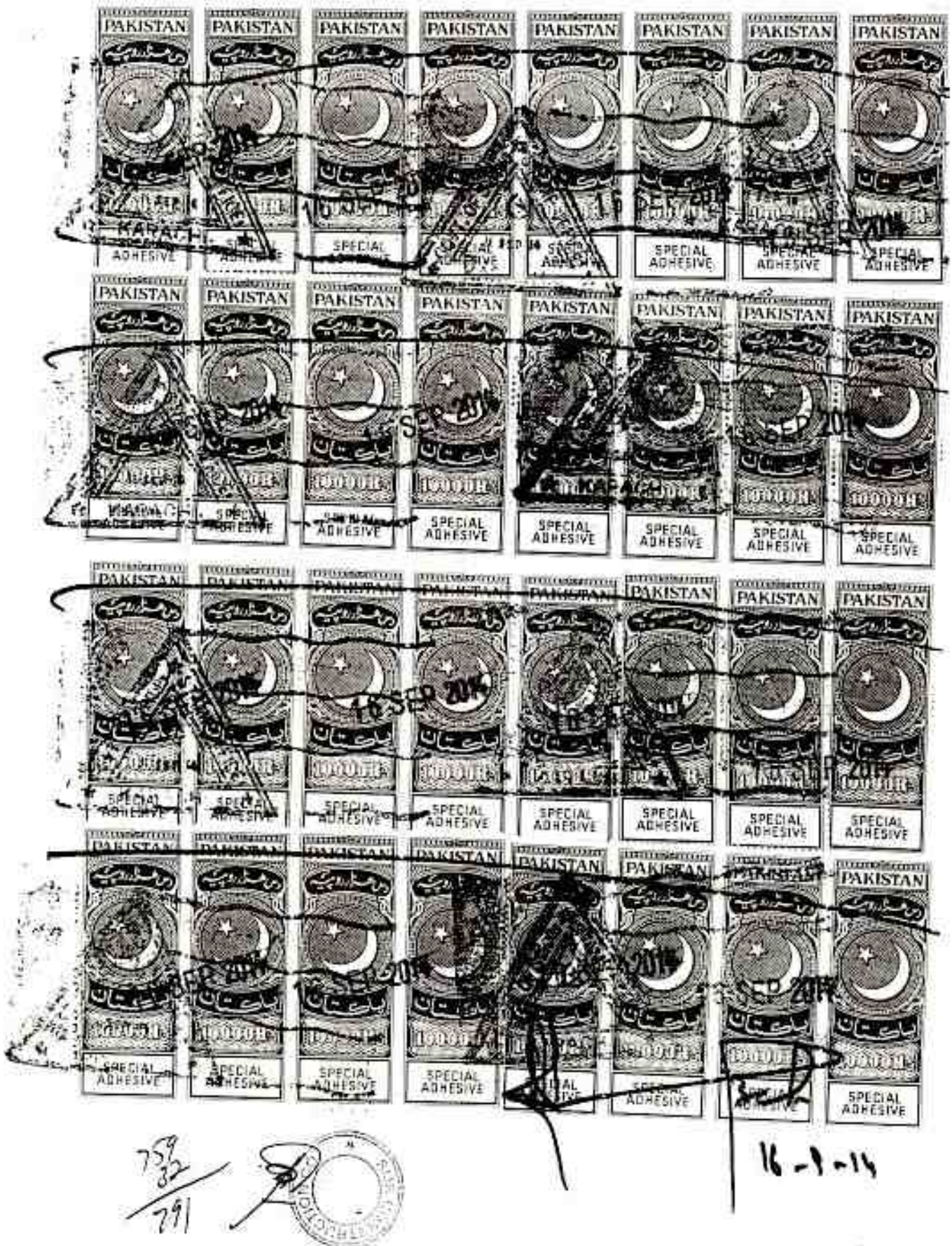

Project Director
Sindh Parliamentarians Residences
Karachi
STAMP OFFICE



b) The Letter of Acceptance;

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
Sindh Assembly Building
Karachi



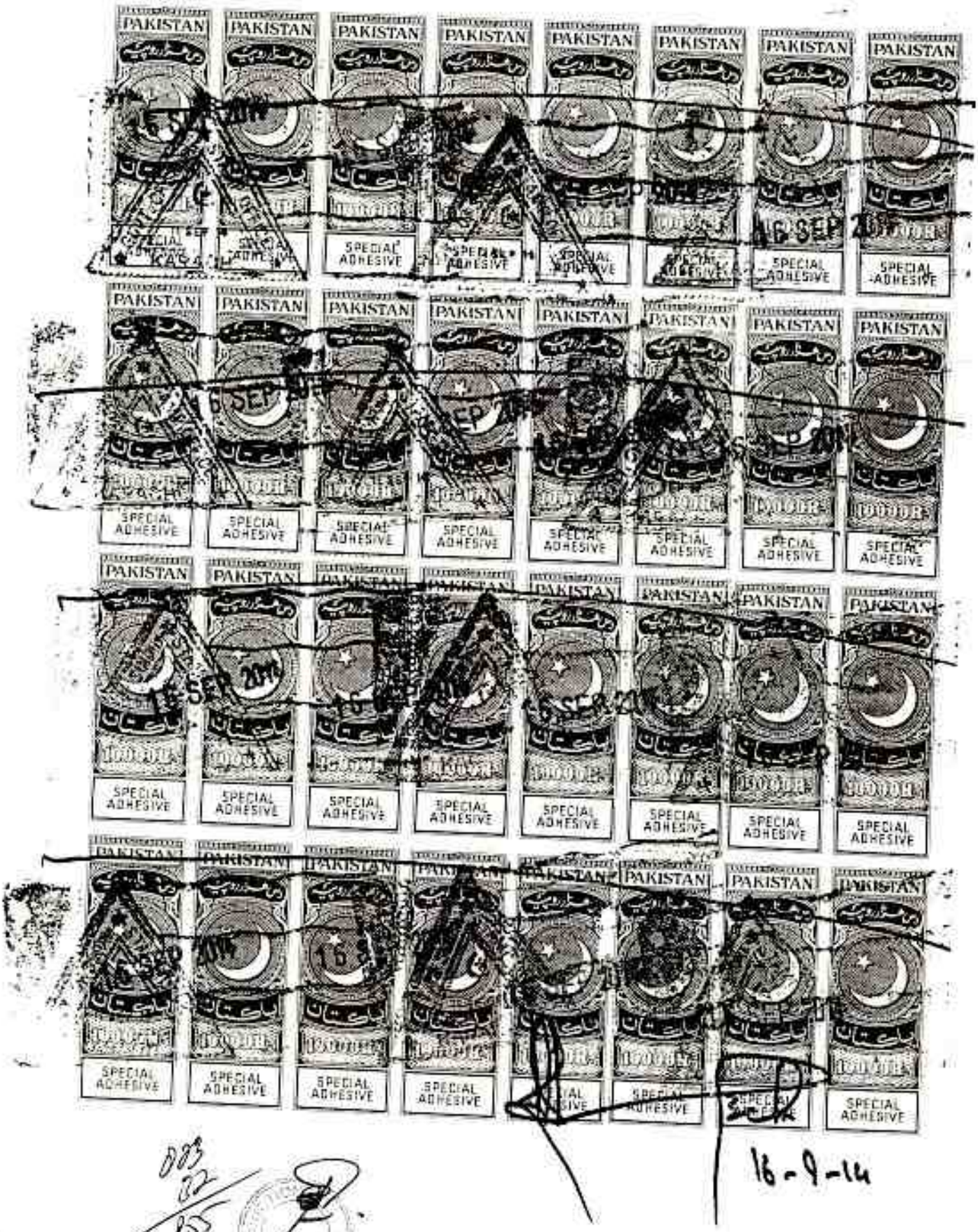
c) The completed form of Bid;

Project Director
Sindh Parliamentarians Residences
Karachi

d) Special Stipulations (Appendix-A to Bid);

Project Director
Sindh Parliamentarians Residences
Karachi

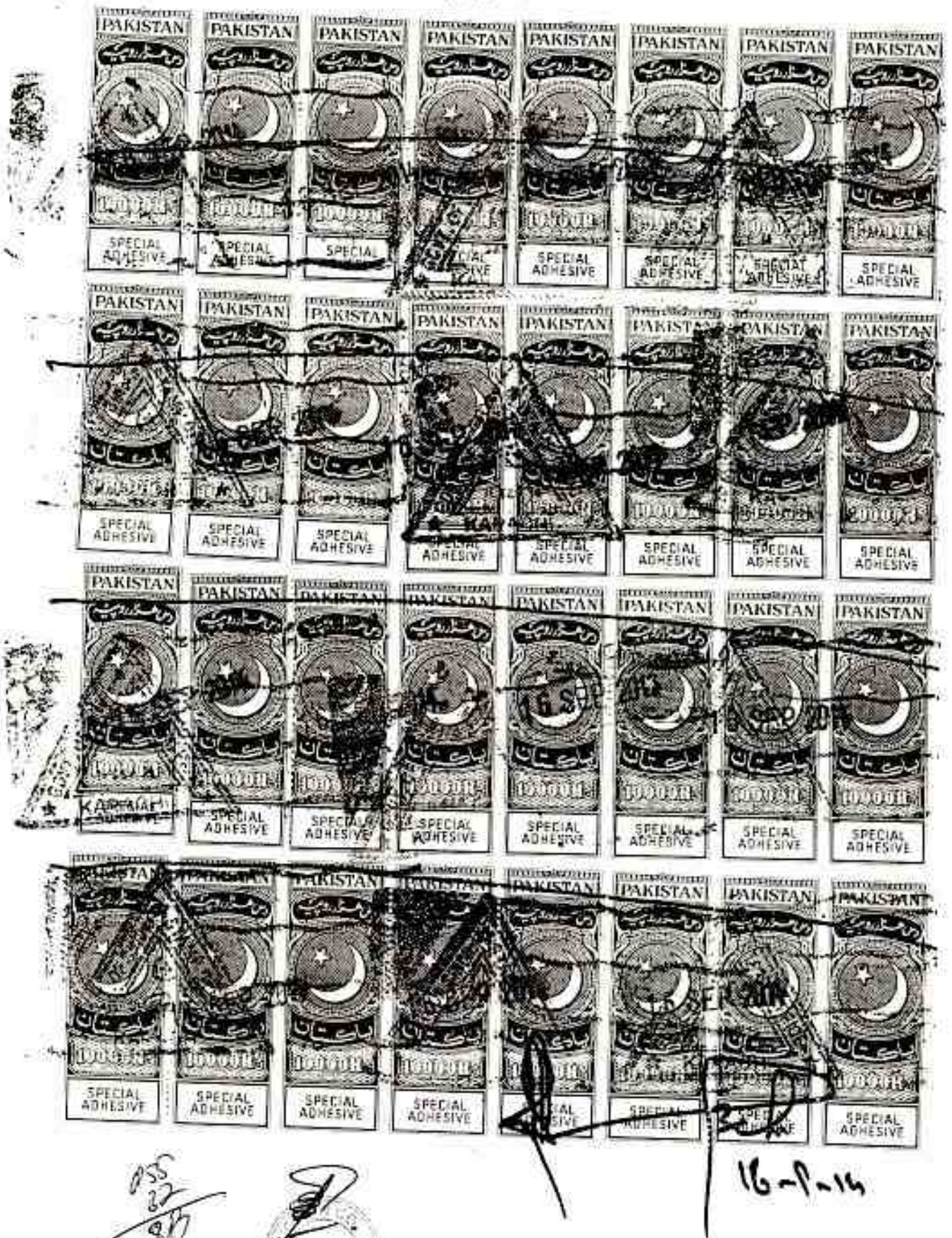
Project Director
Sindh Assembly
Karachi



e) Specification – Special Provision;

Project Director
Sindh Parliamentarians Residences
Karachi

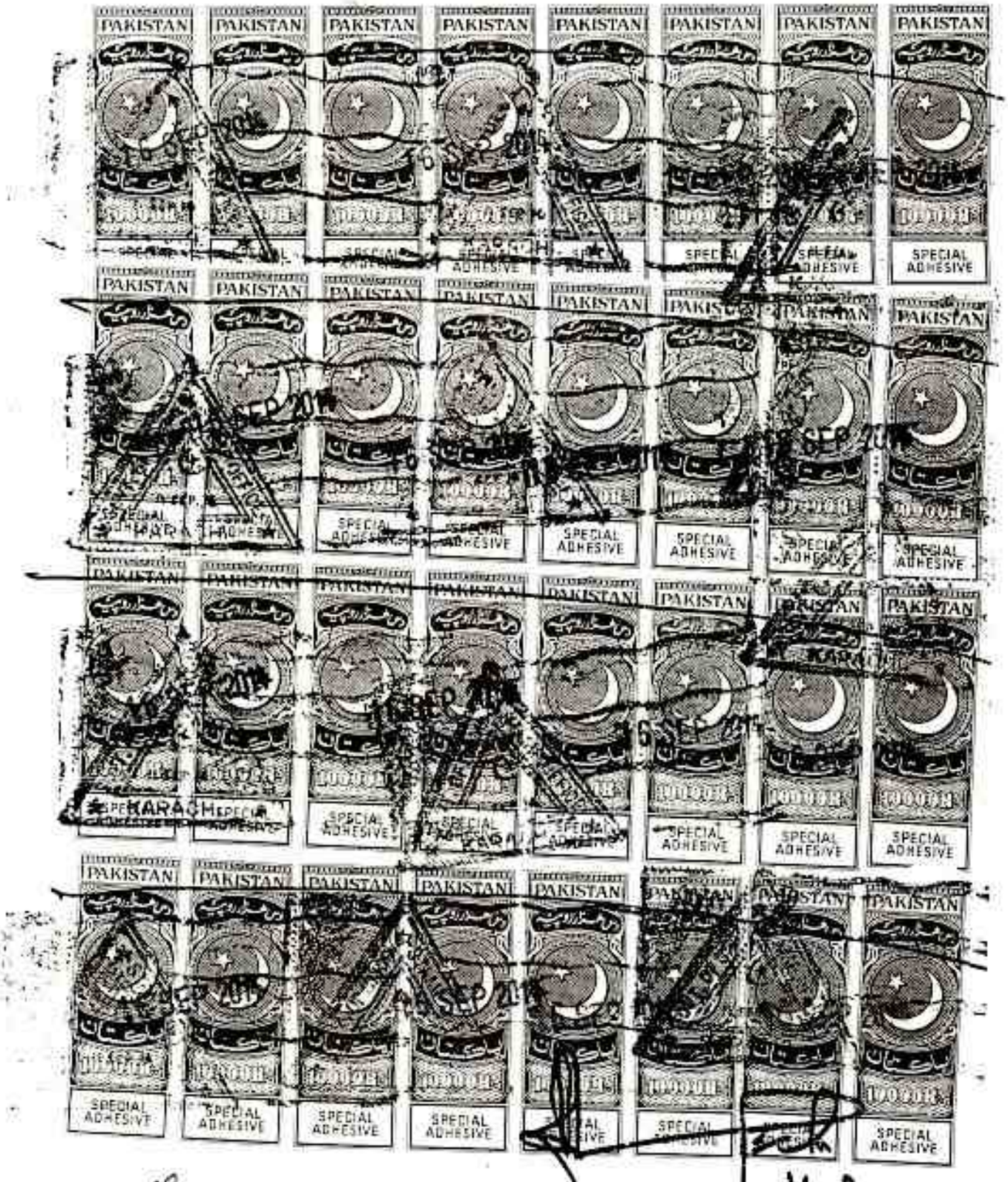
Project Director
New Sindh Assembly Building
Karachi



f) The Particular Conditions of Contract – Part II;

Project Director
Sindh Parliamentarians Residences
Karachi

CAN° 164 15/8/2014

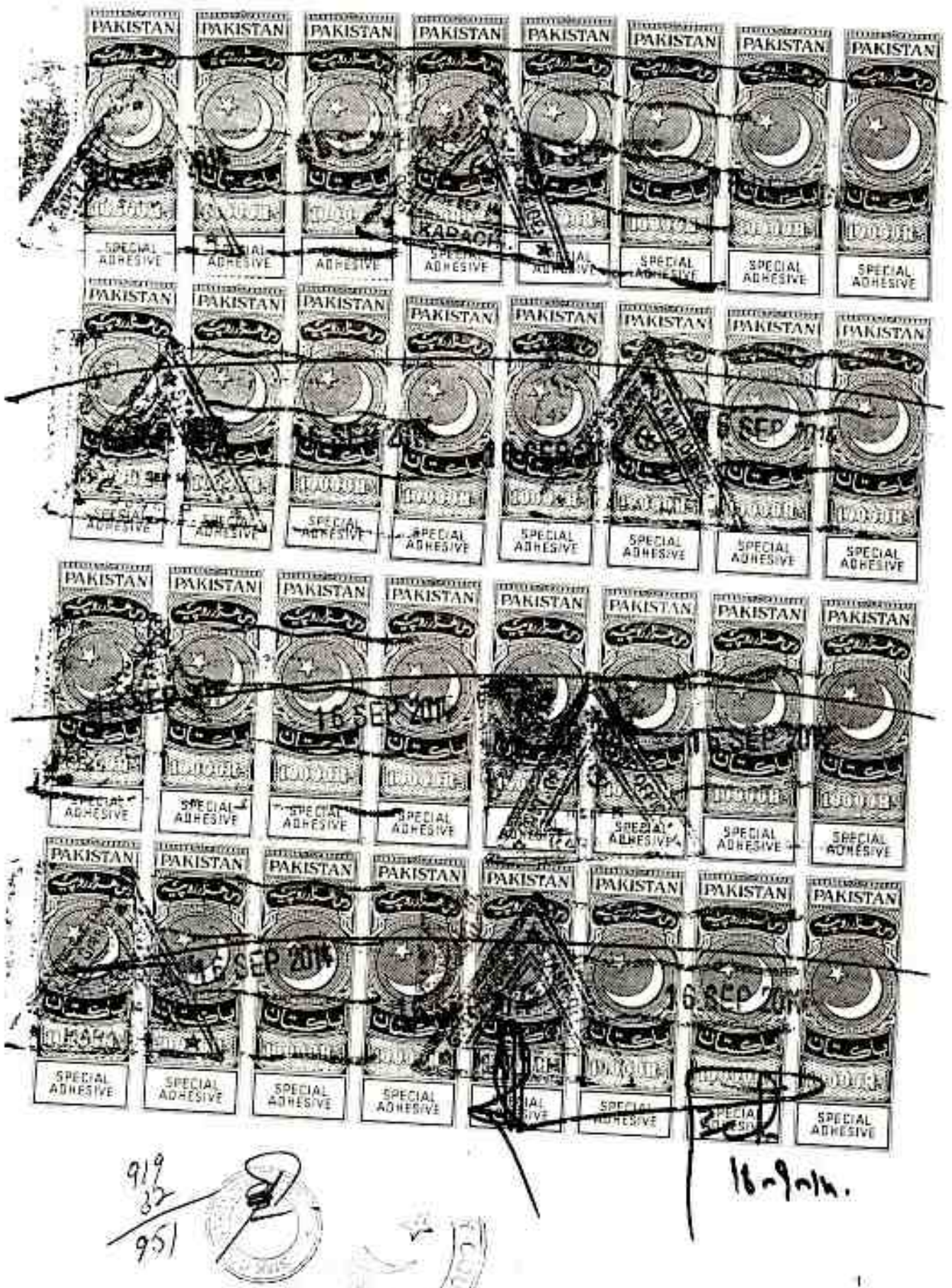


16-9-14

g) The General Conditions – Part I;

Project Director
Sindh Parliamentarians Residences
Karachi

CW No 164 15/9/2014

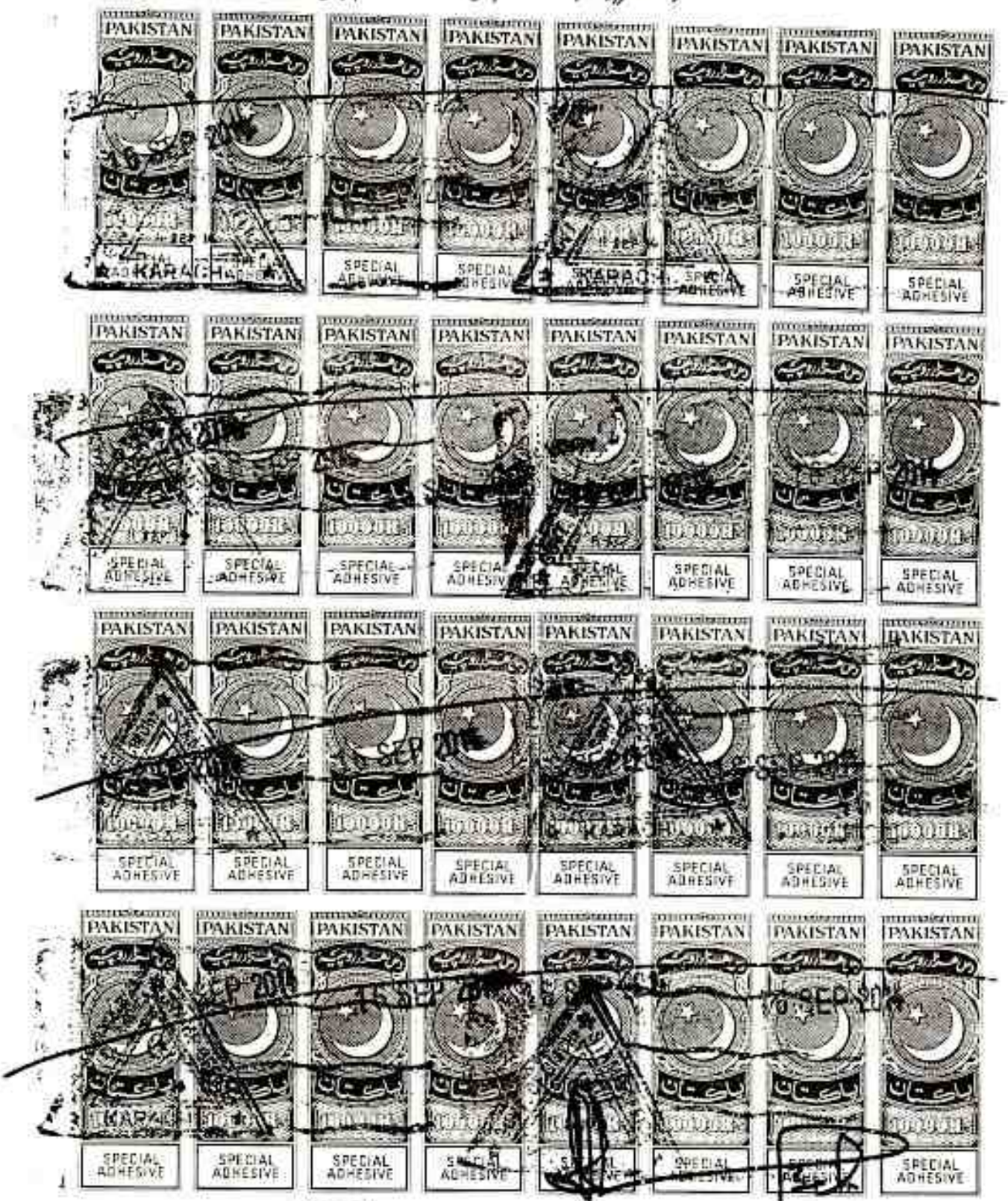


h) The Priced Bill of Quantities (Appendix-D to Bid);

Project Director
Sindh Parliamentarians Residences
Karachi

i) The completed Appendices to Bid (B, C, E to O);

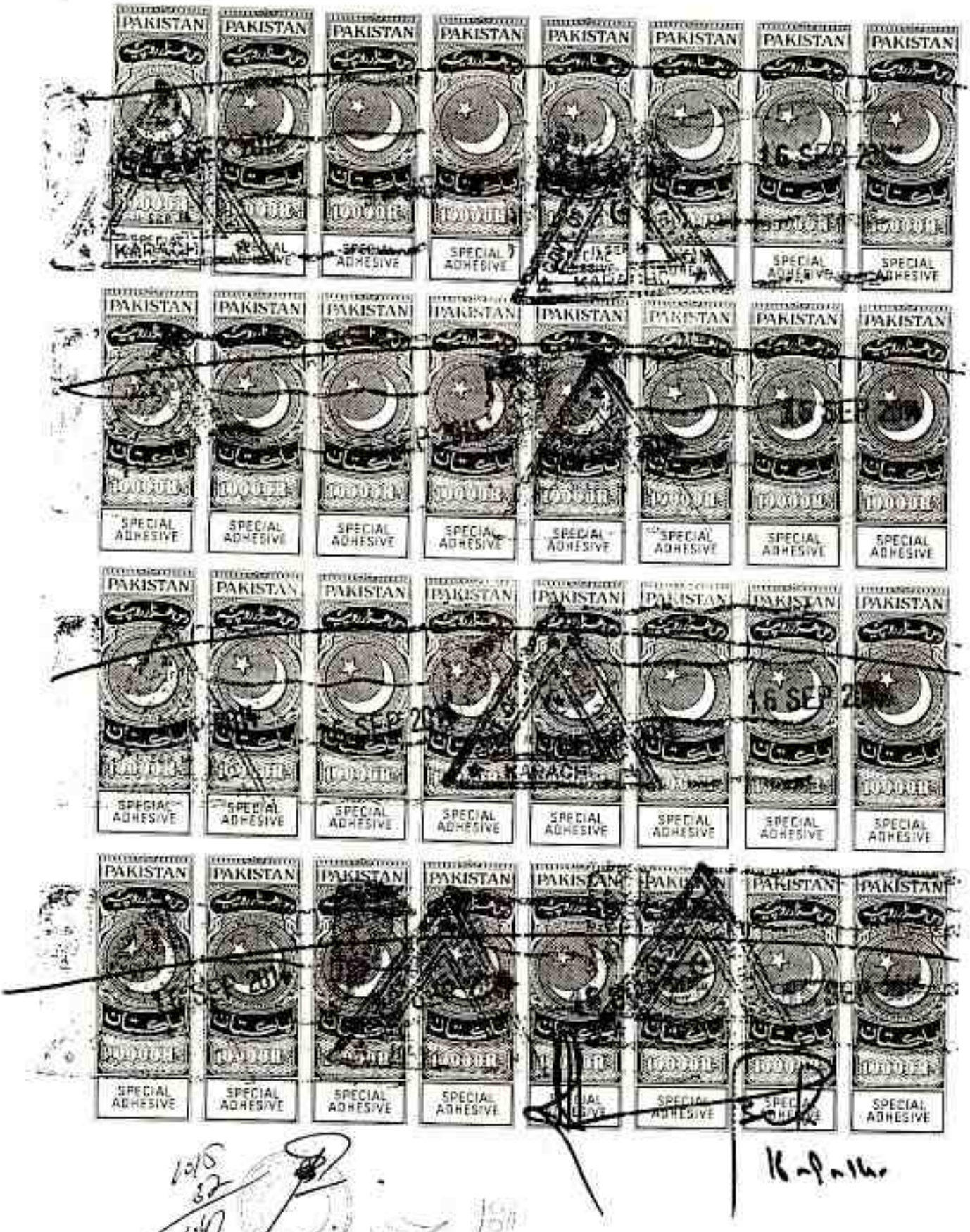
Project Director
Sindh Parliamentarians Residences
Karachi



j) The Drawings;

Project Director
New Sindh Assembly Building
Karachi.

Project Director
Sindh Parliamentarians Residences
Karachi

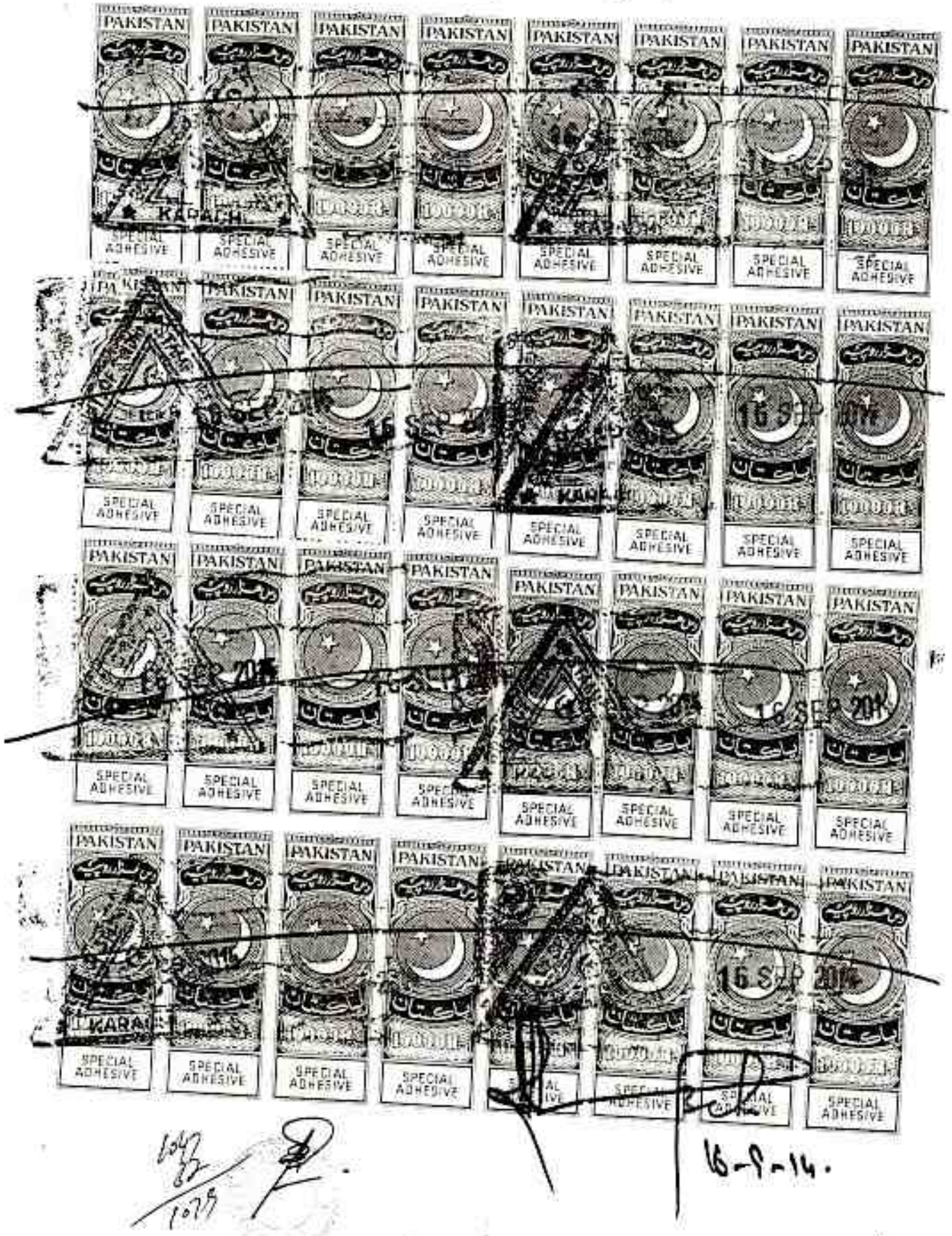


k) Specifications – Technical Provisions

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
Sindh Assembly Building

Ehw 16 16/9/2014



16-9-14.

I) ---------- N.A ---------- (any other)

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
Sindh Legislators Residences
New Sin... Karachi

3. In consideration of the payments to be made by the Employer to the

Project Director
Sindh Parliamentarians Residences
Karachi

Contractor as hereinafter mentioned, the Contractor hereby covenants-

Project Director
Sindh Parliamentarians Residences
Karachi

with the Employer to execute and complete the Works and remedy

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
New Sindh Assembly Building
Karachi

defects therein in conformity and in all respects with the provisions of

Project Director
Sindh Parliamentarians Residences
Karachi

the Contract.

Project Director
Sindh Parliamentarians Residences
Karachi

4. The Employer hereby covenants to pay the Contractor, In consideration

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
Sindh Assembly Members
Karachi

of the execution and completion of the Works as per provisions of the

Project Director
Sindh Parliamentarians Residences
Karachi

Contract, the Contract Price or such other sum as may become payable -

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
New Sindh Assembly Building
Karachi

Affix 164 Works

16-9-14.

under the provisions of the Contract at the times and in the manner

Project Director
Sindh Parliamentarians Residences
Karachi

Karachi

CAW 164 15/8/2014

1367
32
1879

16-9-14.

prescribed by the Contract.

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
New Sindh Assembly Building
Karachi.

Contd 154 15/9/2014

18-9-14.

In WITNESS WHEREOF the parties hereto have caused this Agreement

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
New Sindh Assembly Building
Karachi.

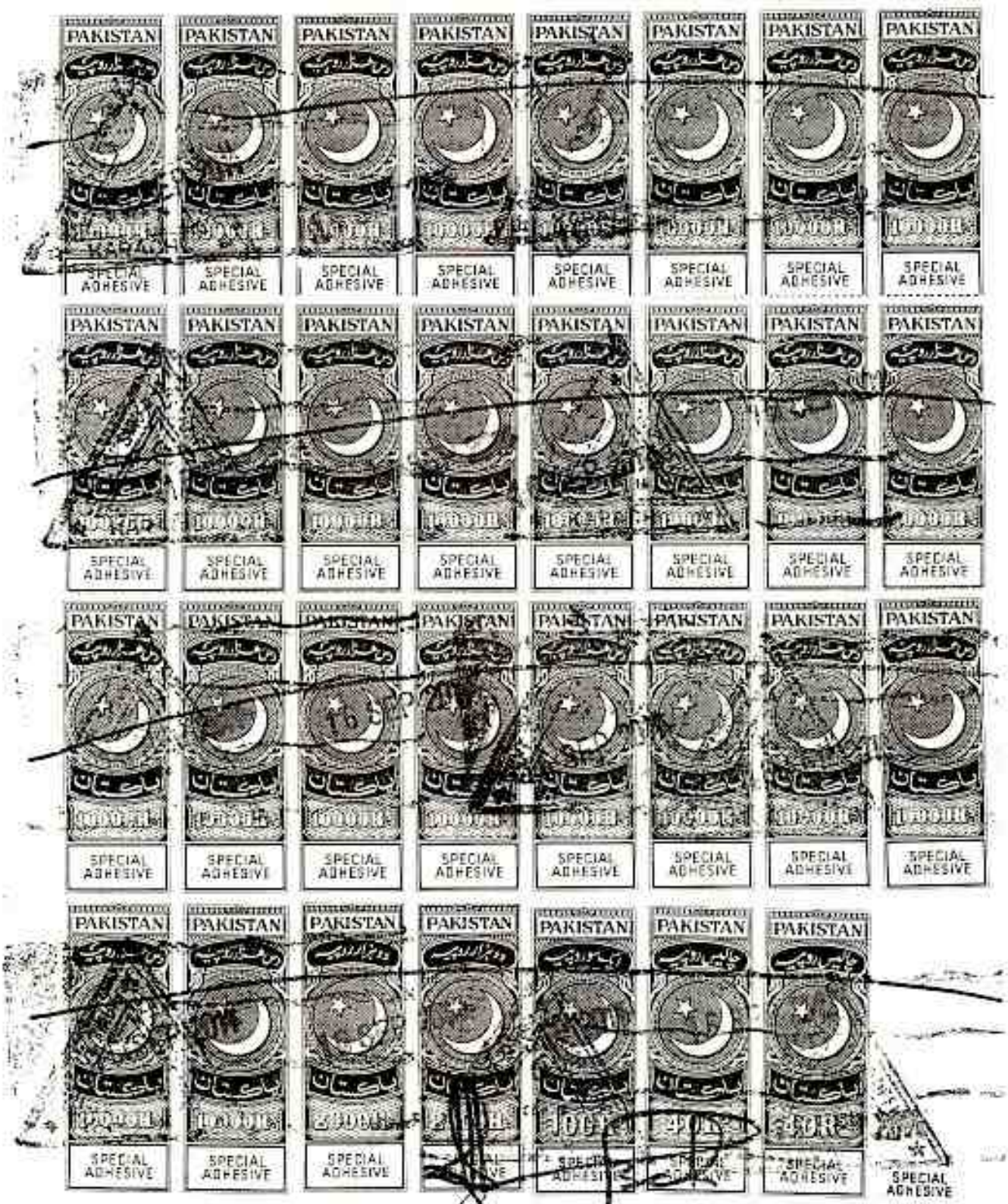
16-9-14.

to be executed on the ___ day of _____ month and year 2014 first .

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director
New Sindh Assembly Building
Karachi.

CNO 164 - Date 15/9/2014 Rs. 1489/-



OFFICE SUPERINTENDENT
Stamp Office, City Court
Karachi.

16-9-14.

1463
1489

15 SEP 2014

before written in accordance with their respective laws.

Project Director
Sindh Parliamentarians Residences
Karachi

Project Director

Signature of the Contractor

(Seal)

Signature of Employer

(Seal)

Project Director
Sindh Parliamentarians Residences
Karachi

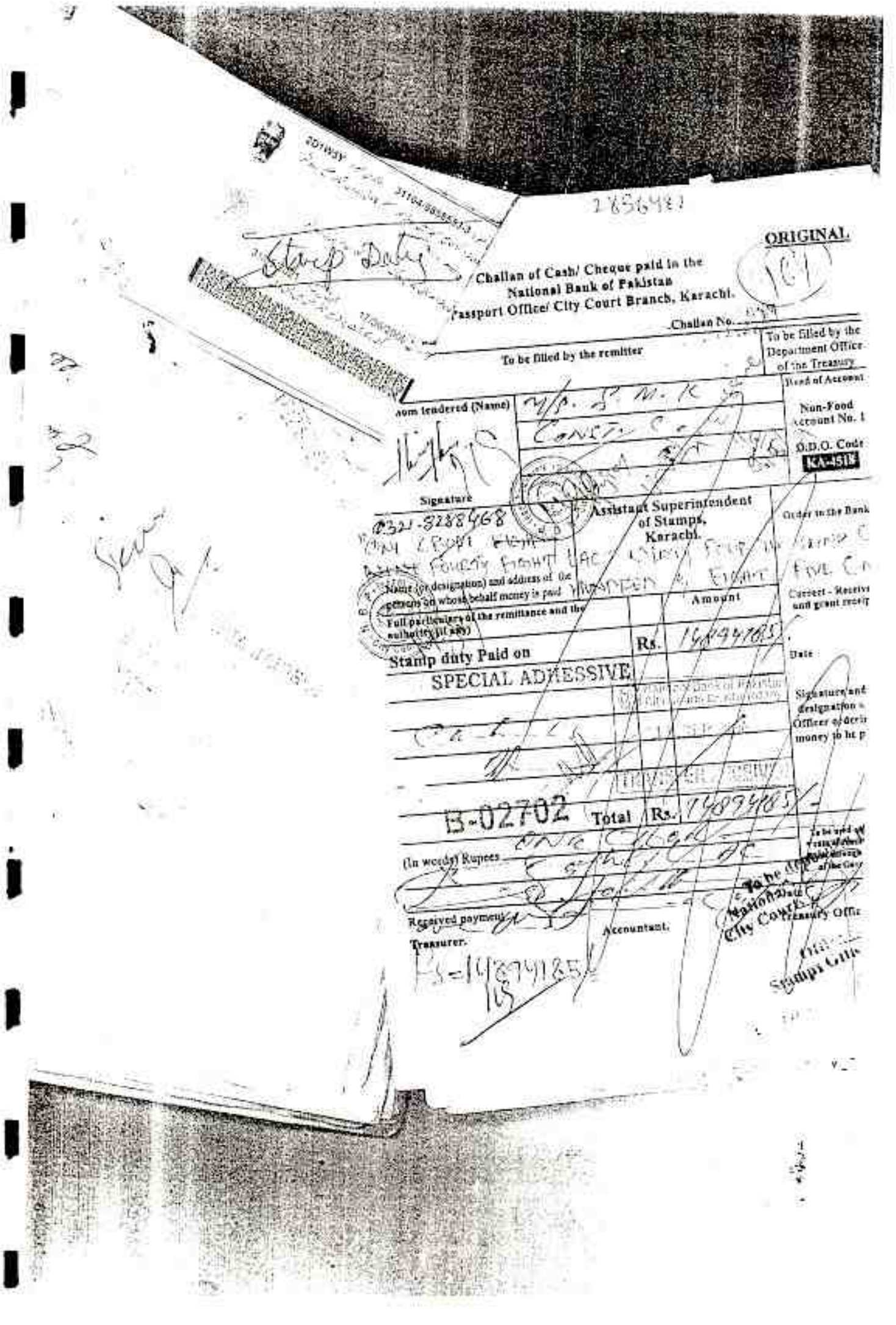
NOTE: SPECIAL ADHESIVE STAMPS OF APPROPRIATE FEE OF CONTRACT AGREEMENT AMOUNTING TO RS. 14,894,185/- ARE ATTACHED FROM SHEET 01 TO SHEET 46, WHICH IS DULY SIGNED & STAMPED BY THE PROJECT DIRECTOR SINDH PARLIAMENTARIANS RESIDENCES, KARACHI AND THE CONTRACTOR.

Signed sealed and delivered in the presence of:

Witness:

Project Engineer
Sindh Parliamentarians Residences
Karachi

Witness:



ORIGINAL

Challan of Cash/ Cheque paid in the
National Bank of Pakistan
Passport Office/ City Court Branch, Karachi.

Challan No.

To be filled by the remitter

To be filled by the Department Office of the Treasury

Head of Account

Non-Food Account No. I

D.D.O. Code

KA-451

Assistant Superintendent of Stamps, Karachi.

Name (or designation) and address of the persons on whose behalf money is paid

Full particulars of the remittance and the authority (if any)

Amount

Rs.

Stamp duty Paid on

SPECIAL ADHESIVE

B-02702 Total Rs.

(In words) Rupees

Received payment

Accountant.

Treasurer.

Order in the Bank

Cashier - Receiv and grant receip

Date

Signature and designation Officer of deriv money to be p

To be

Station Paid

City Court Treasury Offic

Stamps Offic

PH: 99212317

No.PD/Const/No. 99 /2014
OFFICE OF THE PROJECT DIRECTOR
SINDH PARLIAMENTARIANS RESIDENCES
KARACHI
Karachi, the 03rd July 2014

To,

The Director (CB),
SPPRA,
Karachi.

Sub: **PRE-QUALIFICATION OF CONTRACTORS FOR BUILDING NO:PD/CONST/NO.39/2013/5043 DATED 25-09-2013.**

Ref: Your office letter No.Dir(CB)/SPPRA/37-1(PD/MPA'sH)13-14-8086 dated 27th June 2014.

With reference to the above cited letter no, this office is enclosing herewith the required documents / notifications required vide above referred letter:-

i. Copy of notification of Procurement Committee issued with the approval of Head of Department as required under Rule-7 of SPP Rules, 2010.

ii. Copy of notification of Tender Evaluation Committee.

iii. Comparative statement showing the estimated cost alongwith the statement showing detailed examination of bids prepared by the consultants. The bids were checked arithmetically by the consultants, received vide their letter No.OCL/M-103/2014/0627/01 dated 27th June 2014.

The above mentioned comparative statement and detailed examination of bids may be hoisted on the authority's website.

This is for your kind information please.

Hafeezullah Shaikh
Project Director
Sindh Parliamentarians Residences
Karachi.

A Copy is forwarded for information to:

1. The Staff officer to Honourable Speaker, Provincial Assembly of Sindh.
2. The P.S to Secretary, Provincial Assembly of Sindh.
3. The Project Engineer, Sindh Parliamentarians Residences, Karachi.

SECRETARIAT OF THE
PROVINCIAL ASSEMBLY OF SINDH

Karachi, the 25/9/ 2013

ORDER

With the approval of Competent Authority, following Procurement Committee is hereby constituted to oversee all the matters regarding procurement process for Construction of Hostel for Male & Female Members of Provincial Assembly of Sindh:

1. Project Director, Construction of Hostel for Male & Female MPA's Sindh.	Chairman
2. Director Finance, Provincial Assembly of Sindh.	Member
3. Executive Engineer, Provincial Buildings Division No.III, Karachi.	Member
4. Executive Director, M/s. Osmani & Company (Pvt) Ltd. Karachi.	Ex-officio Member

G.M. UMAR FAROOQ
SECRETARY
PROVINCIAL ASSEMBLY OF SINDH

No.PAS/ DF(B)New Assembly/07/5044-A Karachi, the 25/9/ 2013

A Copy is forwarded for information and necessary action to:-

1. The Chairman and Members of the Procurement Committee.
2. The Staff Officer to Mr. Speaker, Provincial Assembly of Sindh.
3. The P.S to Secretary, Provincial Assembly of Sindh.

SECRETARIAT OF THE PROVINCIAL ASSEMBLY OF SINDH

Karachi, the 2nd June, 2014

NOTIFICATION

No. PAS/D.F/S.P.R/Karachi/2014:- The Hon'able Speaker, Provincial Assembly of Sindh has been pleased to constitute the Tender Evaluation Committee for the scheme "Construction of Sindh Parliamentarians Residences, Karachi" comprising upon the following Members:-

1.	Agha Siraj Khan Durrani Speaker, Provincial Assembly of Sindh	Chairman
2.	Dr. Sikandar Ali Mandhro Minister for Parliamentary Affairs, Government of Sindh	Member
3.	Dr. Lal Chand Ukrani Member, Provincial Assembly of Sindh	Member
4.	G. M Umer Farooq Secretary Provincial Assembly of Sindh.	Member
5.	Syed Muhammad Abbas Director Finance Provincial Assembly of Sindh	Member
6.	Syed Haider Abbas Zaidi Executive Director, M/s. Osmani & Company (Pvt.) Ltd.	Member
7.	Hafeezullah Shaikh Project Director Sindh Parliamentarians Residences.	Member / Secretary of the Committee

Terms of References:

i. The Committee shall open bids submitted by the contractors of the Scheme "Construction of Sindh Parliamentarians Residences Karachi".

ii. It will evaluate / approve technically as well as financial proposals submitted by the qualified firms.

iii. The Committee will finalize the selection of Contractors from whom Tenders are invited.

Cont...Page # 2

iv. The committee will monitor / coordinate the overall progress of the project and also decide if any deviation is brought in the notice of the Committee during execution.

AGHA SIRAJ KHAN DURRANI
Speaker
Provincial Assembly of Sindh

No. PAS/D.F/SPR/Karachi/2014/2551-A. Karachi the 2nd JUNE, 2014

A copy is forwarded for information:-

1. The Chairman / All Members of the Construction Committee of Provincial Assembly of Sindh
2. The Chief Secretary, Government of Sindh
3. The Senior Member, Board of Revenue, Government of Sindh
4. The Provincial Secretary to Governor Sindh, Karachi
5. The Principal Secretary to Chief Minister Sindh, Karachi
6. The Administrative Secretaries to Government of Sindh (All)
7. The Commissioner, Karachi
8. The Advocate General Sindh, Karachi
9. The Accountant General Sindh, Karachi
10. The Inspector General of Police, Sindh, Karachi
11. The Deputy Commissioners in Sindh (All)
12. The Staff Officer to Mr. Speaker, Provincial Assembly of Sindh
13. The Staff office to Deputy Speaker, Provincial Assembly of Sindh
14. The Private Secretary to Minister, Government of Sindh (All)
15. The Superintending Engineer, Provincial Buildings Circle Karachi
16. The Executive Engineer, Provincial Buildings Division No. III, Karachi
17. The Superintendent Sindh Government Press, Karachi with the request to please publish the said Notification in the Extra Ordinary Gazette and supply its 50 copies to this Secretariat
18. All Offices of Sindh Assembly Secretariat

(G.M UMAR FAROOQ)
Secretary
Provincial Assembly of Sindh

DETAILED EXAMINATION OF BIDS

a). Correction of Errors

The Consultants carried-out Detailed Arithmetical Check of the BOQs of all the bids. Following Table exhibits the status.

Sr. No.	Name of Bidder	Quoted Amount (As announced at Bid Opening) Rs.	Arithmetically Corrected Amount (Rs.)	Rank
1.	M/s. SMK Construction Co.	4,968,023,328	* 4,964,728,092	1st lowest
2.	M/s. Sultan Mehmood & Co.	5,563,185,887	* 5,560,221,227	2nd lowest
3.	M/s. Maqbool Ahmed & Co.	5,666,503,615	* 5,737,598,305	Highest / 3rd lowest

The methodology for correction of Arithmetical Errors is adopted as described in IB.27 of the Bidding Documents.

* Rs. 3 Million have been deducted from the quoted rates, as per note mentioned in Summary Page of BOQ that: *"Rs. 3 Million will be deducted from quoted rates on account of fixed items excluding AC's and Furniture which will be returned to Client if not replaced earlier".*

Syed Haider Abbas Zaidi
Executive Director
M/s. Osmani & Company (Pvt.) Ltd.,
Karachi

Asadullah Shaikh
Executive Engineer
Provincial Building Division - III
Karachi

Syed Muhammad Abbas
Director Finance
Provincial Assembly of Sindh
Karachi

Hafeezullah Shaikh
Project Director,
Sindh Parliamentarians Residences
Karachi