


SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS WORTH 50 MILLION (PKR) OR ABOVE

1) NAME OF THE ORGANIZATION / DEPTT.	<u>Karachi Water & Sewerage Board</u>
2) PROVINCIAL / LOCAL GOVT./ OTHER	<u>Local Government</u>
3) TITLE OF CONTRACT	<u>" Laying of 72" Inch Dia Mild Steel Pipe Rising Main from Gharo Pumping Station to High Point (Forebay)" under the Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi</u>
4) TENDER NUMBER	<u>Package No. 03</u>
5) BRIEF DESCRIPTION OF CONTRACT	<u>Laying of 72" Inch Dia Mild Steel Pipe Rising Main from New 65 MGD Pump House at Gharo to High Point (Forebay) for Supplying 65 MGD Additional Water.</u>
6) FORUM THAT APPROVED THE SCHEME	<u>PDWP (GOS)</u>
7) TENDER ESTIMATED VALUE	<u>2163 Million</u>
8) ENGINEER'S ESTIMATE (For civil works only)	<u>2163 Million</u>
9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT)	<u>18th Months</u>
10) TENDER OPENED ON (DATE & TIME)	<u>02:30 pm (dated: 24-04-2018)</u>
11) NUMBER OF TENDER DOCUMENTS SOLD (Attach list of buyers)	<u>M/s. Haji Sirajuddin Soomro. M/s. NLC Engineers. M/s. SMADB – Shahrukh (JV).</u>
12) NUMBER OF BIDS RECEIVED	<u>03</u>
13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS	<u>03</u>
14) BID EVALUATION REPORT (Enclose a copy)	<u>Yes, enclosed</u>
15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER	<u>M/s. Haji Sirajuddin Soomro. Plot No. X-22, Extension Area SITE, Kotri</u>
16) CONTRACT AWARD PRICE	<u>Rupees Rs. 25,28,894,237/- (Two Thousand Five Hundred Twenty Eight Million Eight Hundred Ninty Four Thousand Two Hundred Thirty Seven Only).</u>
17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (i.e. 1 st , 2 nd , 3 rd EVALUATION BID)	<u>M/s. Haji Sirajuddin Soomro. (1st) M/s. NLC Engineers. (2nd) M/s. SMADB – Shahrukh (JV). (3rd)</u>
18) METHOD OF PROCUREMENT USED : - (Tick one)	
a) SINGLE STAGE – ONE ENVELOPE PROCEDURE	<input checked="" type="checkbox"/>
b) SINGLE STAGE – TWO ENVELOPE PROCEDURE	<input type="checkbox"/>
c) TWO STAGE BIDDING PROCEDURE	<input type="checkbox"/>
d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE	<input type="checkbox"/>


IQBAL PATE
Executive Engineer
Addl. G5 Mgd. Project
KW&SB

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

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT

Managing Director, KW&SB

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

21) ADVERTISEMENT :

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

Yes	<input checked="" type="checkbox"/> 02-04-2018 SPPRA ID No.14456 (1763/2018)
No	<input type="checkbox"/>

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

Yes	<input type="checkbox"/>
No	<input checked="" type="checkbox"/> (Tender issued to the Prequalified Contractors)

22) NATURE OF CONTRACT

Domestic / Local	<input checked="" type="checkbox"/>	Intl.	<input type="checkbox"/>
------------------	-------------------------------------	-------	--------------------------

23) WHETHER QUALIFICATION CRITERIA

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

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
-----	--------------------------	----	-------------------------------------

24) WHETHER BID EVALUATION CRITERIA

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

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

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
-----	--------------------------	----	-------------------------------------

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

27) WHETHER THE SUCCESSFUL BID

WAS LOWEST EVALUATED BID / BEST EVALUATED BID
(in case of Consultancies)

Yes	<input checked="" type="checkbox"/> (N/A)	No	<input type="checkbox"/>
-----	---	----	--------------------------

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?

(Attach copy of the bid evaluation report)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
-----	--------------------------	----	-------------------------------------

IQBAL PAKISTAN
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

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

Yes	
No	✓

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

Yes	
No	✓

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

Yes	
No	✓

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

Yes	
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	✓ (Copy Attached)
No	

Signature & Official Stamp of
Authorized Officer


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB


KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Bid Evaluation Report

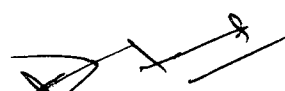
1. Name of Procuring Agency: Karachi Water and Sewerage Board
2. Tender Reference No: _____
3. Tender Description / Name of work / item: Package-3, "Laying of 72 inch dia Mild Steel
Pipe Rising Main from Gharo Pumping Station to High Point (Forebay)"
4. Method of Procurement: Single Stage One Envelop System National Competitive
Bidding (NCB)
5. Tender Published: Notice inviting Tender (NIT) issued to Prequalified Contracting
Firms / J.Vs on 02-04-2018
 - a. NIT Ref: No. KW&SB/PD/65 MGD/2018/70 dated 02-04-2017
 - b. Print & Electronic Media SPPRA Sr. No. _____
6. Total Bid Documents Sold: 03 (Three)
7. Total Bids Received: Three (03)
8. Bid Opening date: (if applicable) April 24, 2018
9. No. of Bids qualified (if applicable): 03 (three)
10. Bid(s) Rejected: NiL

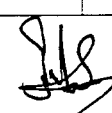



IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB


11. Bid Evaluation Report:

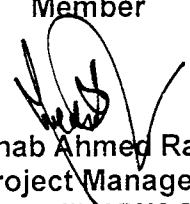
S No	Name of Firm of Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost	Reasons for acceptance / rejection	Remarks
1	2	3	4	5	6	
1	M/s. Haji Sirajuddin Soomro.	Rs. 2,518,894,237/-	1 st	16.98% above from Engineer's Estimate	Accepted being Responsive. Pay Order & required Documents are submitted by the bidder	Lowest Evaluated Bid
2	M/s. National Logistic Cell, Engineers	Rs. 2,894,766,831.30	2 nd	34.43% above from Engineer's Estimate	Accepted being Responsive. Pay Order & required Documents are submitted by the bidder	-
3	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with Shahrukh Engineers and Contractors.	Rs. 3,032,300,000/-	3 rd	40.82% above from Engineer's Estimate	Accepted being Responsive. Pay Order & required Documents are submitted by the bidder	-

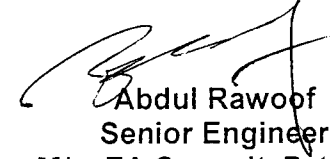

Saleem Ahmed
 Executive Engineer (D&E),
 KW&SB
 Member / Secretary

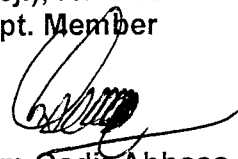

Iqbal Palijo
 Executive Engineer (65
 MGD Project), KW&SB
 Member



Maqsood Ahmed Shaikh
 Superintending Engineer (Civ)
 Karachi Metropolitan
 Corporation Member


Tariq Ansari
 Executive Engr. (E&M),
 Karachi Metropolitan
 Corporation Member


Intekhab Ahmed Rajput
 Project Manager
 (Dhabeji), KW&SB
 Co-Opt. Member


Abdul Rawoof
 Senior Engineer
 M/s. EA Consult. Pvt. Ltd
 Co-Opt. Member


Ghulam Qadir Abbass
 Chief Engineer (BT&D), KW&SB
 Convener


IQBAL PALEJO
 Executive Engineer
 Addl. to Mgd. Project
 KW&SB Page 2 of 2

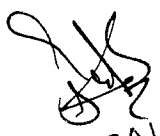
**KARACHI WATER AND SEWERAGE BOARD****Additional 65 MGD Water Supply Scheme from Haleji to
Pipri, Karachi****PACKAGE 03****Laying of 72 inch Dia Mild Steel Pipe Rising Main from Gharo
Pumping Station to High Point (Forebay) (Re-Invited)****TENDER EVALUATION REPORT****1.0 INTRODUCTION**

Karachi is facing enormous increase in the Commercial and Population growth of the city resulting in corresponding increase in the water demand for the city. However the KW&SB is not able to meet this water demand due to water shortage issues arising from non availability of bulk water on one hand and out dated water conveyance network on the other hand, thereby limiting the supply of required quantity of water to the city.

In order to deal with the above dilemma in a comprehensive manner, the Karachi Water & Sewerage Board (KW&SB) conceived a scheme that aims to utilize the balance 65 MGD water out of the approved water quota of 650 MGD from the Indus source. The Project will be constructed in the eastern part of Karachi Division and Thatta District. The Bulk Water will be brought through Haleji Lake to Pipri via an integrated system of Conduits, Pipelines, Rising Mains, Pumping Station and necessary associated works.

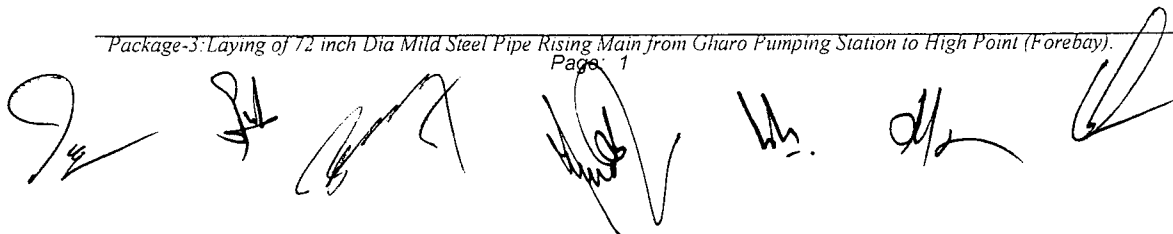
This Project is a Public Service Social Development Project and increase in water supply to the city through this Project will result in improvement of Environment, Hygiene, Public Health and minimize water shortages currently experienced by the city.

This Tender Evaluation Report pertains to PACKAGE 03" Laying of 72 inch Dia Mild Steel Pipe Rising Main from Gharo Pumping Station to High Point (Forebay)" (Re-Invited).


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

2.0 BIDDING PROCESS

The Bids were invited from three (03) Prequalified Contractors of Group – B Works under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi, on the basis of Lowest Evaluated Responsive Bid (LERB).





2.1 Number of firms to whom Tender documents were sold

Tenders documents were sold to the following three (03) tenderers as named below.

1. M/s. Haji Sirajuddin Soomro.
2. M/s. National Logistic Cell, Engineers.
3. M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd.
In association with
M/s. Shahrukh Engineers and Contractors.

3.0 BID SUBMISSION & OPENING

3.1 Bid Submission Deadline

The deadline for submission of Bids was fixed as 24-04-2018, and the tenders were opened on the same day by the Procurement Committee formulated for the purpose..

3.2 Bid Opening

Out of three issued Bid Documents, all three Bids were received and opened by the Procurement Committee on 24-04-2018 at 14:30 Hrs. in the presence of the representatives of the prospective bidders, the following firms submitted their bids.

1. M/s. Haji Sirajuddin Soomro.
2. M/s. National Logistic Cell, Engineers.
3. M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd.
In association with
M/s. Shahrukh Engineers and Contractors.


3.3 Bid Validity Period

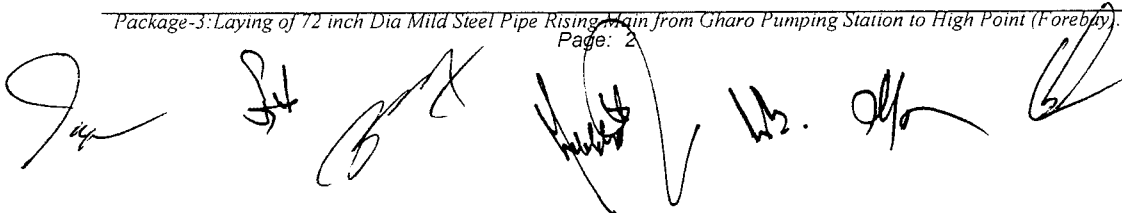
According to terms and conditions of the contract the validity period of bid was fixed as 90 days from the deadline for submission of bids.

Bid Prices Announced

The bid prices were announced in the presence of the representatives of the prospective bidders.

The Summary of announced price is given in table 4 and is also indicated herein:


IOBAL PALLEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB





S. No.	TENDER	AMOUNT
1	M/s. National Logistic Cell, Engineers.	Rs. 2,904,766,831.30
2	M/s. Haji Sirajuddin Soomro.	Rs. 2,835,083,225/=
		LESS Rebate @ 10.8% Rs. 306,188,988/=
		Total after Rebate Rs. 2,528,894,237/=
3	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with Shahrukh Engineers and Contractors.	Rs. 3,084,164,860/=
		LESS: Lump Sum Rebate Rs. 134,164,860/=
		Rs. 2,950,000,000/=

4.0 PRELIMINARY EXAMINATION OF TENDERS

The preliminary examination of bids was made to identify and reject the bids of that were incomplete, invalid or substantially non-responsive to the bidding documents. These following checks have been applied

a) Verification


1. Is the bid properly signed (IB-26.3)
2. If the bidders are a joint venture, agreement is submitted. (IB 11.2)
3. Documentary authority for signing the bid is enclosed (11.1 a)

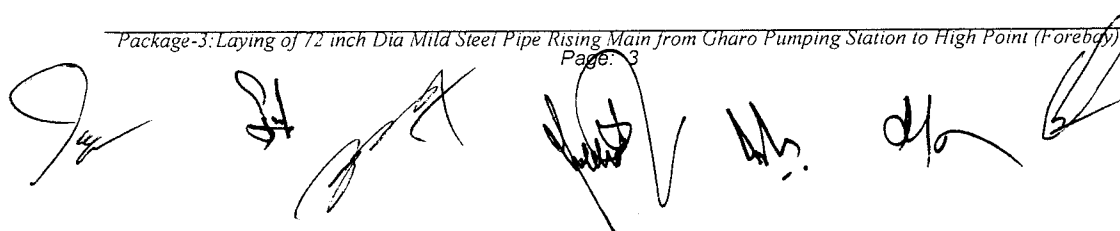
b) Eligibility

1. Is the bidder has been pre-qualified.
2. Is the bidder affiliated with a firm that has provided related consulting service.

Bid Security

1. Is the required bid security submitted?
2. Validity of Bid Security upto required period.


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



d) Substantial Responsiveness to Tender requirements

Are, the Bids substantially responsive to the requirements of the tender documents without material deviation or reservation. A material deviation is one (1) which effects in any substantial way the scope quality of performance work. (2) Which limits in any substantial way in consistent with the tender documents, the employers rights or the tenders obligation under the contract or (3) adoption whereof would effect unfairly the competitive positions of the other tenderers presenting substantially responsive tenders.

The results of this examination are presented in table-5 and are described and commented here-under about status of each bidder.

4.1 M/s. National Logistic Board and Cell**a) Verification**

1. The Bid is properly signed and stamped however the Form of Bid is not filled nor signed.
2. N.A
3. Documentary evidence of authority to sign the bid is attached.

b) Eligible

1. The Bidder has been prequalified and eligible to participate in the Tender.
2. No.


c) Bid Security

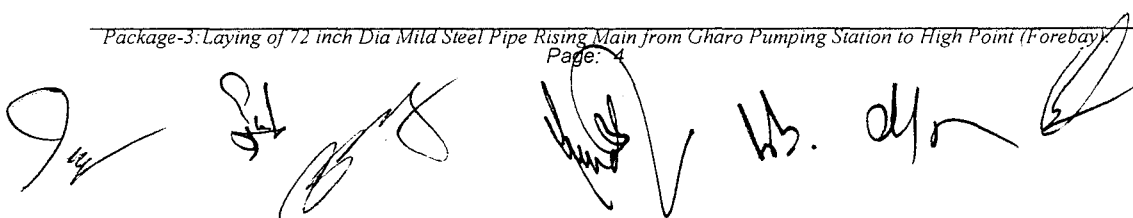
They have submitted Bid Security in shape of a Bank Guarantee from National Bank of Pakistan, Bank Road Branch, Saddar, Rawalpindi, amounting to Rs. 60,000,000/=, having date of issue 19-04-2018. The Bid Security is 2.07% of the announced Bid Price.

The authenticity of Subject Bank Guarantee may be verified by KW&SB.

Substantial Responsiveness to Tender Requirements

No material deviation or reservations were notified in the bid.


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



**4.2 M/s. Haji Sirajuddin Soomro.****a) Verification**

1. The Bid is properly signed and stamped alongwith properly signed and filled Form of Bid.
2. N.A
3. Documentary evidence of authority to sign the bid is attached.

b) Eligible

4. The Bidder has been prequalified and eligible to participate in the Tender.
5. No.

c) Bid Security

They have submitted Bid Security in shape of a Bank Guarantee from Bank Al Habib Limited, Main Branch, Saddar Hyderabad, amounting to Rs. 60,000,000/=, having date of issue 24-04-2018. The Bid Security is 2.38% of the announced Bid Price.

The authenticity of the Subject Bank Guarantee may be verified by KW&SB.

d) Substantial Responsiveness to Tender Requirements


No material deviation or reservations were notified in the bid.

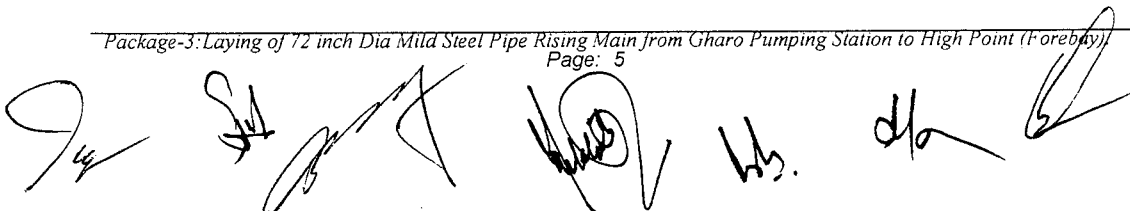
4.3 M/s. Sardar Mohammad Ashraf D. Baloch – M/s. Shahrukh Engineers and Contractors Pvt. Ltd. (J.V)**a) Verification**

1. The Bid is properly signed and stamped alongwith properly filled Form of Bid.
2. The Bidders are a Joint Venture and J.V Agreement is attached.
3. Documentary evidence of authority to sign the bid is attached.

b) Eligible

4. The Bidder has been prequalified and eligible to participate in the Tender.
5. No.


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB





c) **Bid Security**

They have submitted Bid Security in shape of a Bank Guarantee from the Sindh Bank Limited, I.I Chundrigar Road Branch, Karachi, amounting to Rs. 60,000,000/=, having date of issue 16-02-2018. The Bid Security is 2.04% of the announced Bid Price.

The authenticity of the Subject Bank Guarantee may be verified by KW&SB.

d) **Substantial Responsiveness to Tender Requirements**

No material deviation or reservations were notified in the bid.

5.0 **DETAILED EXAMINATION OF TENDER**

5.1 **Arithmetical Check**

The Bill of quantities of each substantially responsive bidder has been checked arithmetically and mistakes have been corrected and implemented accordingly.

5.2 **Review of Item Rate**

A detailed Comparative Statement of substantially responsive bids with Engineer's Estimate (excluding Provisional Sum) has been made and is presented in Annexure -1 of this report. A summary of Comparative study is reflected in Table 8.

It will be seen from this table that:

- ♦ M/s. Haji Sirajuddin Soomro has quoted a total price of **Rs. 2,528,894,237/=** which is **16.98%** above the Engineer's Estimate.

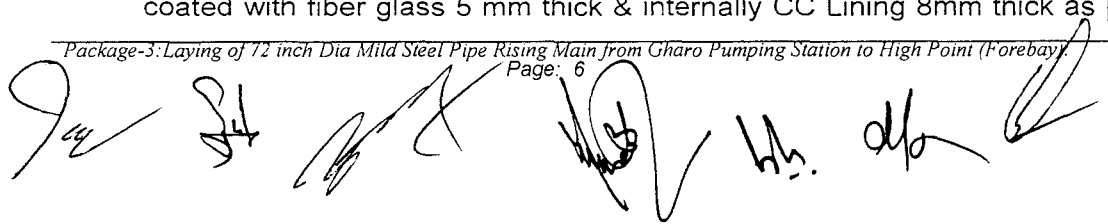
Since M/s. Haji Sirajuddin Soomro has secured the 1st lowest evaluated position at 16.98% above the Engineers Estimate, their quoted rates for the items of work, which make the significant financial impact, have been examined in detail:

- Bill No. 01 Serial No. 06 PIPE WORKS (M.S PIPE)

Item 6.1 (1800mm (72") I.D x 12 mm WT)


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

Manufacturing, supplying, laying, jointing, testing, disinfection & Commissioning of Black steel M.S Pipe made out of M.S sheet confirming to API 5L grade X 42 (Spirally Welded) with ERW & Externally asphalt coated with fiber glass 5 mm thick & internally CC Lining 8mm thick as per





American Water Works Association (AWWA) Specification i/c jointing with welding in trenches i/c cost of all fittings, bend, Equal tee, unequal tee of any degree & reducer (if required) and testing with water specified pressure for different dia of pipes as below. complete in all respect as per drawings, specifications and as directed by the Engineer/Incharge. The Bidder has quoted the rate which is on average 29.00% above the Engineer's estimate making a financial difference of (Rs. 490,733,200/=)

- Bill No. 01 Serial No. 08 BUTTERFLY VALVES

Item 8.2 (300 mm I.D (PN-16)

Providing, Fixing, testing & commissioning of Ductile Iron Body Butterfly Valve with Flange End as per Design Standard BS 5155 in compliance with DIN 3202/API 594 having Nominal Pressure PN-16 Class 150 S.S Disc Gear operated & Galvanized Steel Bolts & Nuts including cost of Rubber Gas Kit/ Rubber packing & Labour complete in all respect as per specifications & as directed by the Engineer/Incharge. The Bidder has quoted the rate which is on average 413.52% above the Engineer's estimate making a financial difference of (Rs. 21,742,200/=)

- Bill No. 01 Serial No. 10 WASHOUT VALVE


Item 10.1 (300 mm I.D (PN-16)

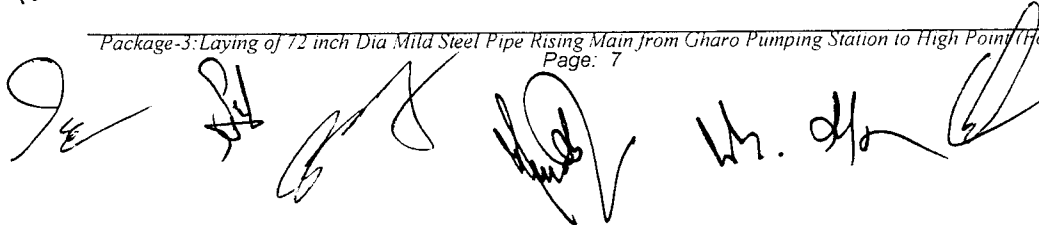
Providing, fixing, jointing and testing of Butterfly valve of approved quality, including nut, bolts, gasket and washers etc. Complete in all respect as per drawing and specifications and as directed by the Engineer. The Bidder has quoted the rate which is on average 291.99% above the Engineer's estimate making a financial difference of (Rs. 2,558,700/=)

- Bill No. 01 Serial No. 11 M.S FLANGE

Item 11.2 (300mm I.D PN-16).

Providing & Fixing M.S Flanges-EN 1092/BS4504 Raised face having Nominal Pressure PN-16 & Standard Thickness including the cost of fabrication, fixing, jointing, also including nuts, bolts, washers, rubber packing, etc complete in all respect as per specifications & all work to the entire satisfaction of the Engineer / Incharge. Item 11.2 (300mm I.D (PN-16). The Bidder has quoted the rate which is on average 488.50% above the Engineer's estimate making a financial difference of (Rs. 2,991,786/=)


IQBAL PALLEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB





- Bill No. 01 Serial No. 14 REINSTATEMENT OF ROAD

Item 14.1, (Provisional Quantity.)

Making, providing, laying, finishing and compacting, Reinstatements for works cross the road utilities of required depth, including disposal of excavated/boring stuff outside the construction area, reinstatement as per requirements and satisfaction of the client/engineer, etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. The Bidder has quoted the rate which is on average 1553.73% above the Engineer's estimate making a financial difference of (Rs. 3,583,370/=)

- Bill No. 02 Serial No. 10 PENSTOCK GATE

Item 10.1, Size (2300 mm x 2300 mm).

Providing, fixing and erection of Penstock Gate below given sizes etc. complete in all respect and all works to the entire satisfaction of the Engineer Incharge. The Bidder has quoted the rate which is on average 715.22% above the Engineer's estimate making a financial difference of (Rs. 5,234,000/=)

- Bill No. 03 PART-D Serial No. 4. MISCELLANEOUS WORKS,

Item 4.1, External Development

The Bidder has quoted the rate which is on average 674.39% above the Engineer's estimate making a financial difference of (Rs. 1,698,190/=)

Item 4.3, Karachi Bulk Water Supply Network Model from Keenjhar Lake to Karachi.

The Bidder has quoted the rate which is on average 900.00% above the Engineer's estimate making a financial difference of (Rs. 4,500,000/=)


Item 4.4 Multi Media System

The Bidder has quoted the rate which is on average 853.50% above the Engineer's estimate making a financial difference of (Rs. 4,267,500/=)


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

DETERMINATION OF AWARD

In view of the position as stated in this report, the lowest evaluated Bid of M/s.Haji Sirajuddin Soomro is submitted for further consideration as recommended below.



7.0 RECOMMENDATIONS

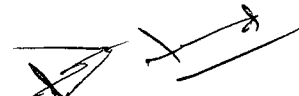
The Bid offered by M/s. Haji Sirajuddin Soomro can be considered for award of the Contract subject to the acceptance of the conditions by the bidders as set out below. The price quoted by **M/s. Haji Sirajuddin Soomro** is **2,528,894,237/=** which is **16.98%** above the Engineer's Estimate and being the lowest they may be awarded the Contract.

Before any final decision is taken in this regard, the following clarifications are required:

1. The Bidder shall submit the Rate Analysis / Quotation required for the items as detailed in 5.2 above.
2. The Bidder shall be asked the names & titles of his technical staff such as Project Manager, Site Engineer, Surveyor & Quantity Surveyor to be deployed on this particular project.
3. An assurance is also required that the bidder possesses the adequate Financial resources and should ensure that the progress of work will not suffer due to Financial constraints or non-availability of Material, Machinery and Equipments.

8. CONCLUSION

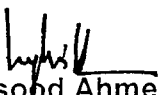
The recommendations made in this report are subject to furnishing the requisite documents as stated under Para 7(1,2, 3) above.



Saleem Ahmed
Executive Engineer (D&E), KW&SB
Member / Secretary



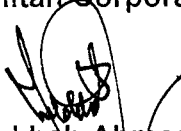
Iqbal Palejo
Executive Engineer (65 MGD Project),
KW&SB
Member



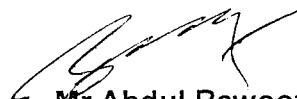
Maqsood Ahmed Shaikh
Superintending Engineer (Civ) Karachi
Metropolitan Corporation Member



Tariq Ansari
Executive Engr. (E&M), Karachi
Metropolitan Corporation Member



Intekhab Ahmed Rajput
Project Manager (Dhabeji), KW&SB
Co-Opt. Member



Mr. Abdul Rawoof
Co-Opt. Member





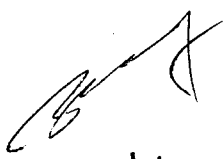



Ghulam Qadir
Chief Engineer (BT&D), KW&SB
Convener



IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

Table 1. IDENTIFICATION

1.1 Name of Project	Additional 65 MGD Water Supply Scheme from Haleji to Pipri Karachi
1.2 Employer (a) Name (b) Address	(a) Karachi Water & Sewerage Board (b) Block C, 9 th Mile Office, Shahra-e-Faisal, Karachi
1.3 Contract number (identifications)	Package – 3
1.4 Contract description	Laying of 72 inch Dia Mild Steel Pipe Rising Main from Gharo Pumping Station to High Point (Forebay)
1.5 Engineer's Cost Estimate(s)	Rs. 2,163,430,937.53
1.6 Method of procurement (check one)	ICB _____ LCB <input checked="" type="checkbox"/> Other _____
1.7 Fixed price contract	Yes _____ No <input checked="" type="checkbox"/>











IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

Table 2. Bidding Process

2.1 Prequalification, carried out (a) Number of firms prequalified	Three (03)
2.2 Procurement / Tender Notice (a) Name of national newspaper	In accordance with Clause 28 (1) (C) of SPPRA Rules 2010, NIT issued to Prequalified Contractors/J.V's.
(b) Issue date	2 nd April, 2018
(c) Number of individual firms notified	Three (03)
2.3 Standard Bidding Document	
(a) Title, publication date	2 nd April, 2018
(b) Date of issue to bidders	5 th April, 2018
2.4 Number of firms to whom document issued	Three (03)
2.5 Amendments to documents, if any (a) list all amendments	Nil
2.6 Date of Pre-bid conference, if any	13 th April, 2018
2.7 Date of minutes of conference sent to bidders	18 th April, 2018












IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

Contract Package-03
 Additional 65 MGD Project

Table 3. Bid Submission and Opening

3.1 Bid submission deadline	
(a) original date, time	24 th April, 2018, 2:00 PM.
(b) extensions, if any	Nil
3.2 Bid opening date, time (Actual)	24 th April, 2018, 2:30 PM.
3.3 Number of bids submitted	Three (03)
3.4 Bid validity period (days, weeks or months)	
(a) originally specified	90 Days from the date of Opening of Tender.
(b) extensions, if any	Nil.






IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

Table 4. Summary of Bid Prices (as Read Out)

S.No.	Bidder Identification	Read-out Bid Prices (Pak Rupees)		Modifications or Comments
	Bidder Identification	Amount Rs.	Rebate/premium if any	
	(a)	(b)	(c)	
1	M/s. Haji Sirajuddin Soomro.	Rs. 2,835,083,225/-	LESS: Rebate 10.8% Rs. 306,188,988/=	Rs.2,528,894,237/-
2	M/s. National Logistic Cell, Engineers	Rs. 2,904,766,831.30	Nil	Rs. 2,904,766,831.30
3	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. <i>In association with</i> M/s. Shahrukh Engineers and Contractors.	Rs. 3,084,164,860/=	LESS: Rebate (Lump Sum) Rs. 134,164,860/=	Rs. 2,950,000,000/-











IQBAL SALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

Table 5. Preliminary Examination

Bidder	Verification 1. Properly signed 2. Joint Venture Agreement submitted. 3. Evidence of Authority to Sign.	Eligibility 1. Prequalified 2. Affiliated with a consulting services firm	Bid Security (in the form of Pay Order/Bank Guarantee/Insurance Guarantee) Amount in Rupees	Substantial Responsiveness to Tender Requirements	Acceptance for Detailed Examination
(a)	(b)	(c)	(d)	(f)	(g)
M/s. Haji Sirajuddin Soomro.	1. Yes 2. N.A 3. Yes	1. Yes 2. No	Bank Guarantee for Rs. 60,000,000/=	Found No Material Deviation or Reservations.	Yes
M/s. National Logistic Board and Cell	1. Yes 2. N.A 3. Yes	1. Yes 2. No	Bank Guarantee for Rs. 60,000,000/=	Found No Material Deviation or Reservations.	Yes
M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with M/s. Shahrukh Engineers and Contractors.	1. Yes 2. Yes 3. Yes	1. Yes 2. No	Bank Guarantee for Rs. 60,000,000/=	Found No Material Deviation or Reservations.	Yes

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

Table 6. Corrections and Unconditional Discounts

Sr. No	Bidder	Read-out Bid Price(s)		
		Amount(s) Rs.	Discount/Premium if any	Amount after discount/premium Rs.
	(a)	(b)	(c)	(d)
1.	M/s. Haji Sirajuddin Soomro.	Rs. 2,835,083,225/=	LESS: Rebate 10.8% Rs. 306,188,988/=	Rs.2,528,894,237/=
2.	M/s. National Logistic Cell, Engineers	Rs. 2,904,766,831.30	Nil	Rs. 2,904,766,831.30
3.	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. <i>In association with</i> M/s. Shahrukh Engineers and Contractors.	Rs. 3,176,464,860/=	LESS: Rebate (Lump Sum) Rs. 134,164,860/=	Rs. 3,042,300,000/=

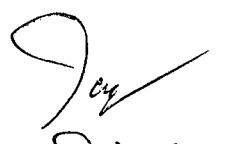

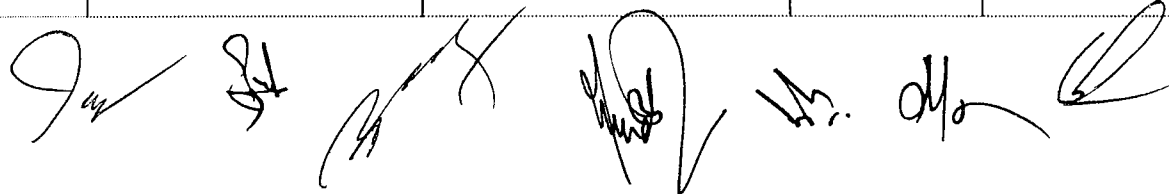


IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

Table 7. Additions, Adjustments, and Priced DeviationsSpecify Evaluation Currency: Pak Rupees

S. No	Bidder	Corrected/Discounted Bid Price Rs.	Additions	Adjustments	Priced Deviations	Total Price Rs.
	(a)	(b)	(c)	(d)	(e)	(f) = (b) + (c) + (d) + (e)
1.	M/s. Haji Sirajuddin Soomro.	Rs. 2,528,894,327/= (i/c Provisional Sum of Rs. 10,000,000/=)	Nil	Nil	Nil	Rs. 2,528,894,327/=
2.	M/s. National Logistic Cell, Engineers	Rs. 2,904,766,831.30 (i/c Provisional Sum of Rs. 10,000,000/=)	Nil	Nil	Nil	Rs. 2,904,766,831.30
3.	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with M/s. Shahrukh Engineers and Contractors.	Rs. 3,042,300,000/= (i/c Provisional Sum of Rs. 10,000,000/=)	Nil	Nil	Nil	Rs. 3,042,300,000/=




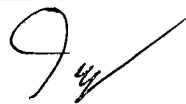





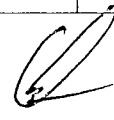
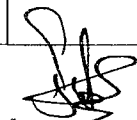

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

TABLE - 8 : SUMMARY OF COMPARATIVE COST

(Excluding Provisional Sum and Contingencies)

SR. NO.	NAME OF CONTRACTOR	COST AS PER ENGINEER'S ESTIMATE LESS PROVISIONAL SUM & CONTINGENCIES	QUOTED PRICE (Rs.) BY CONTRACTOR INCLUDING DISCOUNT/REBATE	QUOTED PRICE (Rs.) BY CONTRACTOR LESS REBATE (IF ANY), PROVISIONAL SUM & CONTINGENCIES	DIFFERENCE B/W ENGINEER'S ESTIMATE (Rs.)	
					AMOUNT (Rs.)	%
		A	b	C	d = c-a	e = (d/a)x100
1	M/s. Haji Sirajuddin Soomro.	Rs. 2,153,430,937.53	Rs. 2,835,083,225/=	Rs. 2,518,894,237/=	Rs. 365,463,299.47	16.98%
2	M/s. National Logistic Cell, Engineers	Rs. 2,153,430,937.53	Rs. 2,904,766,831.30	Rs. 2,894,766,831.30	Rs. 741,335,893.77	34.43%
3	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with M/s. Shahrukh Engineers and Contractors.	Rs. 2,153,430,937.53	Rs. 3,176,464,860/=	Rs. 3,032,300,000/=	Rs. 878,869,062.47	40.82%

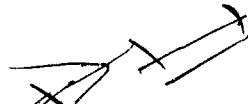









IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB


**ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA M.S PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)**

SUMMARY OF COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)


DESCRIPTION	AMOUNT (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
	ENGINEERING ESTIMATE	M/S HAJI SIRAJ UDDIN SOOMRO		S.M.A.D.B (PVT) LTD		NATIONAL LOGISTICS CELL	
PACKAGE - 3							
PIPE & CHAMBER WORKS	2,060,071,525.76	2,664,852,300.00	29.36	3,095,826,900.00	50.28	2,701,761,090.02	31.15
FOREBAY CHAMBER	23,315,541.77	39,383,337.10	68.91	34,057,960.00	46.07	51,055,841.28	118.98
OFFICE BLOCK AT KWSB	70,043,870.00	120,847,588.00	72.53	36,580,000.00	-47.78	141,949,900.00	102.66
TOTAL AMOUNT TO GRAND SUMMARY	2,153,430,937.53	2,825,083,225.10	31.19	3,166,464,860.00	47.04	2,894,766,831.30	34.43
PROVISIONAL SUM	10,000,000.00	10,000,000.00		10,000,000.00		10,000,000.00	
NET AMOUNT	2,163,430,937.53	2,835,083,225.10		3,176,464,860.00		2,904,766,831.30	
LESS REBATE	-	306,188,988.31		134,164,860.00		-	
GRAND TOTAL	2,163,430,937.53	2,528,894,237		3,042,300,000.00		2,904,766,831.30	
PERCENTAGE			16.98		40.82		34.43



Saleem Ahmed
Executive Engineer
(D&E), KW&SB
Member / Secretary



Iqbal Palejo
Executive Engineer (65
MGD Project), KW&SB
Member



Maqsood Ahmed Shaikh
Superintending Engineer
(Civ) Karachi Metropolitan
Corporation Member


Tariq Ansari
Executive Engr. (E&M),
Karachi Metropolitan
Corporation Member


Intekhab Ahmed Rajput
Project Manager
(Dhabeji), KW&SB
Co-Opt. Member


Mr. Abdul Rawoof
Senior Engineer
M/s. EA Consult. Pvt. Ltd
Co-Opt. Member


Ghulam Qadir Abbass
Chief Engineer (BT&D),
KW&SB
Convener


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

Package-03
Additional 65 MGD Project
Summary

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

PIPE LINE & CHAMBER WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	Rate (Rs)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD			M/S NATIONAL LOGISTICS CELL		
	All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.														
1	JUNGLE CLEARANCE Jungle clearance and removing etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer.														
1.1	For Pipe Works		46,515.00	Sq.m	23.47	1,091,707.05	90	4,186,350.00	283.47	150	6,977,250.00	539.11	265.00	12,326,475.00	1,029.10
2	EXCAVATION Excavation including dewatering from NGL/FRI, up to the required level for trenches, tanks (rectangular, square & circular) and where required etc for all kind of soil (soft, silty, clayey silt, sandy, gravel etc including shoring, dressing, leveling, compacting & back filling the excavated suitable earth including breaking clods, watering, consolidation by ramming in layers not exceeding 6 inches in depth. Excavated earth stacking at appropriate suitable place, carting away surplus earth to dispose off at locations approved by the local authorities/The Engineer etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer														
2.1	From ± 0.00 to 1.5m For Pipe Works		10,437.00	Cu.m	531.16	5,543,716.92	410.00	4,279,170.00	-22.81	1,200.00	12,524,400.00	125.92	328.60	3,429,598.20	(38.14)
2.2	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches and pits and other structure.														
2.2.1	From 1.5m to 3.0m		10,361.00	Cu.m	629.32	6,520,384.52	550.00	5,698,550.00	-12.60	1,300.00	13,469,300.00	106.57	577.70	5,985,549.70	(8.20)
2.2.2	From 3.0m to 4.5m		9,165.00	Cu.m	725.06	6,645,174.90	860.00	7,881,900.00	18.61	1,350.00	12,372,750.00	86.19	632.82	5,799,795.30	(12.72)
2.2.3	From 4.5m to 6.0m		4,294.00	Cu.m	916.54	3,935,622.76	950.00	4,079,300.00	3.65	1,400.00	6,011,600.00	52.75	1,017.60	4,369,574.40	11.03
2.2.4	From 6.0m to 7.5m		1,614.00	Cu.m	1,053.74	1,700,736.36	1,250.00	2,017,500.00	18.63	1,450.00	2,340,300.00	37.61	1,240.20	2,001,682.80	17.70

[Handwritten signatures and initials]

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

PIPE LINE & CHAMBER WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	Rate (Rs)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD			M/S NATIONAL LOGISTICS CELL		
2.2.5	From 7.5m to 9.0m		559.00	Cu.m	1,230.34	687,760.06	1,564.00	874,276.00	27.12	1,500.00	838,500.00	21.92	1,701.30	951,026.70	38.28
2.2.6	From 9.0m to 10.5m		166.00	Cu.m	1,406.94	233,552.04	1,706.00	283,196.00	21.26	1,550.00	257,300.00	10.17	1,844.40	306,170.40	31.09
2.2.7	From 10.5m to 12.0m		31.00	Cu.m	1,583.54	49,089.74	1,773.00	54,963.00	11.96	1,600.00	49,600.00	1.04	1,931.32	59,870.92	21.96
3	Excavation including dewatering from NGI/FRI. up to the required level for trenches, tanks (rectangular, square & circular) and where required etc for all kind of rock (hard, soft etc including shoring, dressing, leveling, compacting & back filling the excavated suitable earth including breaking clods, watering, consolidation by ramming in layers not exceeding 6 inches in depth. Excavated earth stacking at appropriate suitable place, carting away surplus earth to dispose off at locations approved by the local authorities/The Engineer etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer.														
3.1	From ± 0.00 to 1.5m For Pipe Works		41,748.00	Cu.m	722.64	30,168,774.72	950.00	39,660,600.00	31.46	1,500.00	62,622,000.00	107.57	943.40	39,385,063.20	30.55
3.2	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches and pits and other structure.														
3.3.1	From 1.5m to 3.0m		41,441.00	Cu.m	820.80	34,014,772.80	1,150.00	47,657,150.00	40.11	1,550.00	64,233,550.00	88.84	1,128.90	46,782,744.90	37.54
3.3.2	From 3.0m to 4.5m		36,659.00	Cu.m	916.54	33,599,439.86	1,650.00	60,487,350.00	80.02	1,600.00	58,654,400.00	74.57	1,770.20	64,893,761.80	93.14
3.3.3	From 4.5m to 6.0m		17,175.00	Cu.m	1,108.03	19,030,415.25	1,924.00	33,044,700.00	73.64	1,650.00	28,338,750.00	48.91	2,093.50	35,955,862.50	88.94
3.3.4	From 6.0m to 7.5m		6,454.00	Cu.m	1,245.22	8,036,649.88	2,116.00	13,656,664.00	69.93	1,700.00	10,971,800.00	36.52	2,305.50	14,879,697.00	85.15
3.3.5	From 7.5m to 9.0m		2,236.00	Cu.m	1,421.82	3,179,189.52	2,935.00	6,562,660.00	106.43	1,750.00	3,913,000.00	23.08	3,195.90	7,146,032.40	124.78
3.3.6	From 9.0m to 10.5m		663.00	Cu.m	1,598.42	1,059,752.46	3,261.00	2,162,043.00	104.01	1,800.00	1,193,400.00	12.61	3,551.00	2,354,313.00	122.16
3.3.7	From 10.5m to 12.0m		122.00	Cu.m	1,775.02	216,552.44	3,839.00	468,358.00	116.48	2,000.00	244,000.00	12.67	4,181.70	510,167.40	135.59

[Handwritten signatures and initials]

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

PIPE LINE & CHAMBER WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	Rate (Rs)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD			M/S NATIONAL LOGISTICS CELL		
4	BACKFILLING & SAND SURROUND PIPE Providing, spreading and compacting earth fill / engineered filling borrow material from approved outside sources including breaking clods, leveling, dressing, watering and consolidating in layers not exceeding 150mm or (6 inches) in depth. Complete including all lead & lifts as per instruction of the Engineer etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer														
4.1	For Pipe Works		54,430.00	Cu.m	1,079.71	58,768,615.30	1,144.00	62,267,920.00	5.95	500.00	27,215,000.00	(53.69)	1,246.56	67,850,260.80	15.45
5	CEMENT CONCRETE Providing and laying plain cement concrete using SR cement, 1 inch and down gauge crushed stone and screened sand, of approved quarry. Concrete having preliminary cylindrical crushing strength as per drawings including the cost of fixing & removing of form work, leveling, compacting and curing etc. complete in all respects as per drawing, standard, specifications and direction of the Engineer														
5.1	For Pipe Works (1500Psi)		500.00	Cu.m	7,425.01	3,712,505.00	10,527.00	5,263,500.00	41.78	14,000.00	7,000,000.00	88.55	11,469.20	5,734,600.00	54.47
	SUB TOTAL AMOUNT (PART -A)					218,194,411.58		300,586,150.00			319,226,900			320,722,246.42	

[Handwritten signatures and initials]

[Signature]
IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

PIPE LINE & CHAMBER WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	Rate (Rs)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD			M/S NATIONAL LOGISTICS CELL		
6	PIPE WORKS M.S PIPE Manufacturing, supplying, laying, jointing, testing, disinfection & commissioning of Black steel M.S Pipe made out of M.S sheet conforming to API 5L grade X 42 (Spirally Welded) with ERW & Externally asphalt coated with fiber glass 5 mm thick & internally CC Lining 8mm thick as per American Water Works Association (AWWA) Specification w/c jointing with welding in trenches w/c cost of all fittings, bend, Equal tee, unequal tee of any degree & reducer (if required) and testing with water specified pressure for different dia of pipes as below complete in all respect as per drawings, specifications and as directed by the Engineer/Incharge.														
6.1	1800mm (72") I.D x 12 mm WT		11,080.00	R.m	152,710.00	1,692,026,800.00	197,000.00	2,182,760,000.00	29.00	240,000.00	2,659,200,000.00	57.16	195,464.00	2,165,741,120.00	28.00
6.2	300mm (12") I.D x 8 mm WT		20.00	R.m	25,144.80	502,896.00	28,462.00	569,240.00	13.19	60,000.00	1,200,000.00	138.62	31,008.18	620,163.60	23.32
7	PUDDLE FLANGE (M.S) Providing and fixing M.s puddle flange of the following diameters, complete in all respect as per drawing and as directed by the engineer														
7.1	For Butterfly & Air Release Chamber (1800mm I.Dia)	21	2.00	No	756,000.00	31,752,000.00	543,495.00	22,826,790.00	-28.11	1,000,000.00	42,000,000.00	32.28	394,744.00	16,579,248.00	(47.79)
7.2	For Washout, Air Release Chamber (300mm I.Dia)	3	2.00	No	108,000.00	648,000.00	85,815.00	514,890.00	-20.54	400,000.00	2,400,000.00	270.37	93,492.00	560,952.00	(13.43)
8	BUTTERFLY VALVES Providing, Fixing, testing & commissioning of Ductile Iron Body Butterfly Valve with Flange End as per Design Standard BS 5155 in compliance with DIN 3202/API 594 having Nominal Pressure PN-16 Class 150 S.S Disc Gear operated & Galvanized Steel Bolts & Nuts including cost of Rubber Gas Kit/ Rubber packing & Labour complete in all respect as per specifications & as directed by the Engineer/Incharge														
8.1	1800 mm I.D (PN-16)	3	1.00	No	14,605,000.00	43,815,000.00	15,000,000.00	45,000,000.00	2.70	1,000,000.00	3,000,000.00	(93.15)	11,426,800.00	34,280,400.00	(21.76)
8.2	300 mm I.D (PN-16)	18	1.00	No	292,100.00	5,257,800.00	1,500,000.00	27,000,000.00	413.52	400,000.00	7,200,000.00	36.94	623,280.00	11,219,040.00	113.38

[Handwritten signatures and initials across the bottom of the table area]

[Signature]
IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

PIPE LINE & CHAMBER WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	Rate (Rs)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD			M/S NATIONAL LOGISTICS CELL		
9	AIR RELEASE VALVE Supplying, installing, jointing and fixing D1 Air Valve (Double acting) with SS ball heavy duty pattern of approved manufacturer's specification (test pressure) as per standard including 50mm dia isolating flanged gate valve etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.														
9.1	300 mm I.D (PN-16)	18	1.00	No	584,200.00	10,515,600.00	286,000.00	5,148,000.00	-51.04	400,000.00	7,200,000.00	(31.53)	311,640.00	5,609,520.00	(46.66)
10	WASHOUT VALVE Providing, fixing, jointing and testing of Butterfly valve of approved quality, including nut, bolts, gasket and washers etc. Complete in all respect as per drawing and specifications and as directed by the Engineer														
10.1	300 mm I.D (PN-16)	3	1.00	No	292,100.00	876,300.00	1,145,000.00	3,435,000.00	291.99	400,000.00	1,200,000.00	36.94	1,246,560.00	3,739,680.00	326.76
11	M.S FLANGE Providing & Fixing M S Flanges-EN 1092/BS4504 Raised face having Nominal Pressure PN-16 & Standard Thickness including the cost of fabrication, fixing, jointing, also including nuts, bolts, washers, rubber packing, etc complete in all respect as per specifications & all work to the entire satisfaction of the Engineer/Incharge														
11.1	1800 mm I.D (PN-16)	3	2.00	No	198,222.00	1,189,332.00	476,750.00	2,860,500.00	140.51	1,000,000.00	6,000,000.00	404.48	583,000.00	3,498,000.00	194.11
11.2	300 mm I.D (PN-16)	21	2.00	No	14,582.00	612,444.00	85,815.00	3,604,230.00	488.50	400,000.00	16,800,000.00	2,643.11	106,000.00	4,452,000.00	626.92
12	R.C.C VALVE CHAMBER Construction and making of RCC Valve chamber of inside dimensions as mentioned below and depth mentioned in drawings for wash out , Butterfly valve and air valve of approved design. all works comprising of (Excavation back filling and disposal of surplus earth with dewatering, Pcc concrete, RCC bottom & top slab, walls, c/c benching complete with curing and finishing, providing and fixing MS foot rest (rungs) as shown on drawings, Including cost of Reinforcement bars, Fair face Steel form work, Precast R.C.C Cover and Plank as shown in drawing and epoxy coating on outer surface up to substructure level, uPvc Sump Pipe, C.I Vent pipe, 300mm dia M.s Pipe , End Cap etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer														
12.1	For Washout Valve size of (1500 mm x 1500 mm)	3.00	1.00	No	774,246.98	2,322,740.94	572,000.00	1,716,000.00	-26.12	500,000.00	1,500,000.00	(35.42)	623,280.00	1,869,840.00	(19.50)
12.2	For Air Release Valve size of (4000 mm x 4000 mm)	18.00	1.00	No	1,293,801.98	23,288,435.64	667,500.00	12,015,000.00	-48.41	700,000.00	12,600,000.00	(45.90)	727,160.00	13,088,880.00	(43.80)
12.3	For Butterfly Valve size of (4000 mm x 4000 mm)	3.00	1.00	No	1,128,145.20	3,384,435.60	667,500.00	2,002,500.00	-40.83	700,000.00	2,100,000.00	(37.95)	1,060,000.00	3,180,000.00	(6.04)

[Handwritten signatures and initials]

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

PIPE LINE & CHAMBER WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	Rate (Rs)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD		M/S NATIONAL LOGISTICS CELL			
13	THRUST BORING Making, providing, applying and installing in position thrust Boring for pipe line across the roads / existing pipe line horizontally, vertically and inclined operated by manually/automatically at required depth complete arrangement for protection and supporting of pipe sleeves, damages and disposal of excavated/boring debris out side the construction limit area i/c sleeves etc. Proper arrangement for protection of existing utilities, complete in all respect as per drawing and specification and as directed by the Engineer														
13.1	1824 mm O.D	1	60.00	R.m	424,245.00	25,454,700.00	850,000.00	51,000,000.00	100.36	120,000.00	7,200,000.00	(71.71)	1,060,000.00	63,600,000.00	149.86
14	REINSTATEMENT OF ROAD Making, providing, laying, finishing and compacting, Reinstatements for works cross the road utilities of required depth, including disposal of excavated/boring stuff out side the construction area, reinstatement as per requirements and satisfaction of the client/engineer, etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.														
14.1	(Provisional)		1,000.00	Sqm	230.63	230,630.00	3,814.00	3,814,000.00	1,553.73	7,000.00	7,000,000.00	2,935.16	53,000.00	53,000,000.00	22,880.53
SUB TOTAL AMOUNT (PART -B)						1,841,877,114.18		2,364,266,150.00			2,776,600,000.00			2,381,038,843.60	
TOTAL AMOUNT (PART -A+B) CARRIED TO GRAND SUMMARY						2,060,071,525.76		2,664,852,300.00	29.36		3,095,826,900	50.28		2,701,761,090.02	31.15

[Handwritten signatures and initials across the bottom of the page]


IQBAL PALEJC
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

FOREBAY CHAMBER

COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

COMPARATIVE STATEMENT & EVALUATION (PACKAGE-05)															
S.No	DESCRIPTION	No	M/S HAJI SIRAJ UDDIN SOOMRO	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD			M/S NATIONAL LOGISTICS CELL		
	All Items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.														
1	EXCAVATION Excavation including dewatering from NGL/FRL up to the required level for trenches, tanks (rectangular, square & circular)and where required etc for all kind of soil (soft, silty, clayey silt, sandy, gravel etc including shoring, dressing, leveling, compacting & back filling the excavated suitable earth including breaking clods, watering, consolidation by ramming in layers not exceeding 6 inches in depth. Excavated earth stacking at appropriate suitable place, carting away surplus earth to dispose off at locations approved by the local authorities/The Engineer etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer														
1.1	From ± 0.00 to 1.5m														
1.1.1	For Forebay Chamber	85.70	Cu.m		531.16	45,520.41	381	32652	-28.27	1400	119,980.00	163.57	415.52	35610.064	-21.77
1.1.2	For Outlet Chamber	0.80	Cu.m		531.16	424.93	572	458	7.69	1400	1,120.00	163.57	623.28	498.624	17.34
1.1.3	For Stairs	1.40	Cu.m		531.16	743.62	477	668	-10.20	1400	1,960.00	163.57	519.40	727.16	-2.21
	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches and pits and other structures														
1.2	From 1.5m to 3.0m														
1.2.1	For Forebay Chamber	85.70	Cu.m		629.32	53,932.72	572	49020	-9.11	1500	128,550.00	138.35	623.28	53415.096	-0.96
1.2.2	For Outlet Chamber	0.80	Cu.m		629.32	503.46	858	686	36.34	1500	1,200.00	138.35	934.92	747.936	48.56
1.2.3	For Stairs	0.50	Cu.m		629.32	314.66	572	286	-9.11	1500	750.00	138.35	623.28	311.64	-0.96
1.3	From 3.0m to 4.5m														
1.3.1	For Forebay Chamber	85.70	Cu.m		725.06	62,137.64	763	65389	5.23	1600	137,120.00	120.67	831.04	71220.128	14.62
1.3.2	For Outlet Chamber	0.80	Cu.m		725.06	580.05	954	763	31.58	1600	1,280.00	120.67	1058.80	831.04	43.27
1.4	From 4.5m to 6.0m														
1.4.1	For Forebay Chamber	45.70	Cu.m		916.54	41,885.88	1144	52281	24.82	1700	77,690.00	85.48	1246.56	56967.792	36.01
1.4.2	For Outlet Chamber	0.30	Cu.m		916.54	274.96	1907	572	108.07	1700	510.00	85.48	2077.60	623.28	126.68


IQBAL PATEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

FOREBAY CHAMBER
COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	No	M/S HAJI SIRAJ UDDIN SOOMRO	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE			M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD			M/S NATIONAL LOGISTICS CELL	
2	Excavation including dewatering from NGI /FRL up to the required level for trenches, tanks (rectangular, square & circular)and where required etc for all kind of rock (hard, soft etc) including shoring, dressing, leveling, compacting & back filling the excavated suitable earth including breaking clods, watering, consolidation by ramming in layers not exceeding 6 inches in depth. Excavated earth stacking at appropriate suitable place, carting away surplus earth to dispose off at locations approved by the local authorities/The Engineer etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer														
2.1	From ± 0.00 to 1.5m														
2.1.1	For Forebay Chamber		772.00	Cu.m	772.64	557,878.08	572	441584.00	-20.85	1500	1,158,000.00	107.57	415.52	320781.44	-42.50
2.1.2	For Outlet Chamber		8.00	Cu.m	772.64	5,781.12	572	4576.00	-20.85	1500	12,000.00	107.57	623.28	4986.24	-13.75
2.1.3	For Stairs		13.00	Cu.m	772.64	9,394.32	477	6201.00	-33.99	1500	19,500.00	107.57	519.40	6752.2	-28.12
	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches and pits and other structures														
2.2	From 1.5m to 3.0m														
2.2.1	For Forebay Chamber		772.00	Cu.m	820.80	633,657.60	572	441584.00	-30.31	1600	1,235,200.00	94.93	623.28	481172.16	-24.06
2.2.2	For Outlet Chamber		8.00	Cu.m	820.80	6,566.40	858	6864.00	4.53	1600	12,800.00	94.93	934.92	7479.36	13.90
2.2.3	For Stairs		4.00	Cu.m	820.80	3,283.20	572	2288.00	-30.31	1600	6,400.00	94.93	623.28	2493.12	-24.06
2.3	From 3.0m to 4.5m														
2.3.1	For Forebay Chamber		772.00	Cu.m	916.54	707,568.88	763	589036.00	-16.73	1700	1,312,400.00	85.48	831.04	641562.88	-9.33
2.3.2	For Outlet Chamber		8.00	Cu.m	916.54	7,332.32	954	7632.00	4.09	1700	13,600.00	85.48	1038.80	8310.4	13.34
2.4	From 4.5m to 6.0m														
2.4.1	For Forebay Chamber		412.00	Cu.m	1,108.03	456,508.36	1144	471328.00	3.25	1800	741,600.00	62.45	1246.56	513582.72	12.50
2.4.2	For Outlet Chamber		3.00	Cu.m	1,108.03	3,324.09	1907	5721.00	72.11	1800	5,400.00	62.45	2077.60	6232.8	87.50

[Handwritten signatures and initials across the bottom of the page]

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

FOREBAY CHAMBER

COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	No	M/S HAJI SIRAJ UDDIN SOOMRO	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD			M/S NATIONAL LOGISTICS CELL		
3	CEMENT CONCRETE Providing and laying plain cement concrete using SR cement, 1 inch and down gauge crushed stone and screened sand of approved quarry. Concrete having preliminary cylindrical crushing strength as per drawings including the cost of fixing & removing of form work, leveling, compacting and curing etc. complete in all respects as per drawing, standard specifications and direction of the Engineer.														
3.1	Below foundation, plinth beam, over stone soling or where required (1500P/s)	119	Cu.m	6,584.89	783,601.91	10,527.00	1,252,713.00	59.87	15,000.00	1,785,000.00	127.79	12,720.00	1,513,680.00	93.17	
4	REINFORCED CEMENT CONCRETE Providing and laying RCC cement concrete with Betocrete G-2000 or approved equivalent (Super plasticizer concrete admixture / retarder mix, according to supplier instruction) where required using SR cement & approved quarry of crushed stone 1 inch (25 mm) and down gauge with approved quarry of sand having preliminary cylindrical crushing strength 4000 psi in all Rec members including water tight form work and its removal, mechanically vibrating, leveling, compacting, construction joints and curing etc. but excluding the cost of reinforcement etc. complete in all respects as per drawing, standard specifications and direction of the Engineer.														
4.1	Base Slab														
4.1.1	For Forebay Chamber	221	Cu.m	13,972.67	3,087,960.07	23,838.00	5,268,198.00	70.60	18,000.00	3,978,000.00	28.82	29,680.00	6,559,280.00	112.41	
4.1.2	For Outlet Chamber	3.00	Cu.m	13,972.67	41,918.01	23,838.00	71,514.00	70.60	18,000.00	54,000.00	28.82	29,680.00	89,040.00	112.41	
4.1.3	For Stairs	13.00	Cu.m	13,972.67	181,644.71	23,838.00	309,894.00	70.60	18,000.00	234,000.00	28.82	29,680.00	385,840.00	112.41	
4.2	Walls														
4.2.1	For Forebay Chamber	341.00	Cu.m	14,111.56	4,812,041.96	23,838.00	8,128,758.00	68.93	18,000.00	6,138,000.00	27.55	29,680.00	10,120,880.00	110.32	
4.2.2	For Outlet Chamber	16.00	Cu.m	14,111.56	225,784.96	23,838.00	381,408.00	68.93	18,000.00	288,000.00	27.55	29,680.00	474,880.00	110.32	
4.3	Top Slab														
4.3.1	For Outlet Chamber	2.00	Cu.m	14,823.37	29,646.74	23,838.00	47,676.00	60.81	18,000.00	36,000.00	21.43	29,680.00	59,360.00	100.22	

[Handwritten signatures and initials]

[Signature]
IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

FOREBAY CHAMBER

COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	No	M/S HAJI SIRAJ UDDIN SOOMRO	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD			M/S NATIONAL LOGISTICS CELL		
5	STEEL REINFORCEMENT Providing, supplying, straightening, cutting, bending, fabricating, placing and installing / binding in position etc. straight or curved deformed steel bar reinforcement having minimum yield strength 414 Mpa (60 ksi or 60,000 Psi), conforming to ASTM A615 including cost of G.I binding wire 18SWG, chairs, wastages, precast c/c spacers and welding where required to be followed ASTM A615 standard. Only those overlaps shall be paid which are according to the approved Bar Bending Schedule / shown on drawings or instructed by the Engineer, all kind of R.C.C work etc. complete in all respects as per drawing, standard specifications and direction of the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer)														
5.1	For Forebay Chamber	73.00	Ton	115,014.10	8,396,029.30	150,000.00	10,950,000.00	30.42	140,000.00	10,220,000.00	21.72	212,000.00	15,476,000.00	84.33	
5.2	For Outlet Chamber	4.00	Ton	115,014.10	460,056.40	150,000.00	600,000.00	30.42	110,000.00	560,000.00	21.72	212,000.00	848,000.00	84.33	
6	BITUMEN COATING Providing and applying industrial bitumen paint/coating (Coverage 7 Kg / 10 Sqm) mixed with water component 2 coats on all RCC / CC structural member surfaces contact with earth up to plinth level etc. complete in all respects as per drawing, standard specifications and as directed by the Engineer														
6.1	For Forebay Chamber	501.00	Sq.m	327.03	163,842.03	286.00	143,286.00	(12.55)	200.00	100,200.00	(38.84)	424.00	212,424.00	29.65	
6.2	For Outlet Chamber	26.00	Sq.m	327.03	8,502.78	286.00	7,436.00	(12.55)	200.00	5,200.00	(38.84)	424.00	11,024.00	29.65	
7	WATER STOPS Providing and fixing PVC ribbed water stops 12" inches wide x 1/2 inches thick centrally bubble type including cutting PVC welded jointing etc. all works to be carried out the satisfaction of the Engineer at any height in any floor etc. complete in all respects as per drawing, standard specifications and direction of the Engineer.														
7.1	For Forebay Chamber	466.00	R.m	2,459.88	1,146,304.08	5,721.00	2,665,986.00	132.57	1,500.00	699,000.00	(39.02)	6,890.00	3,210,740.00	180.09	
7.2	For Outlet Chamber	49.00	R.m	2,459.88	120,534.12	5,721.00	280,329.00	132.57	1,500.00	73,500.00	(39.02)	6,232.80	305,407.20	153.38	
	SUB TOTAL AMOUNT (PART -A)				22,055,479.77		32,286,787.10			29,157,960.00			41,480,861.28		

[Handwritten signatures and initials]

IQBAL PALEJ
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGHPOINT (FOREBAY)

FOREBAY CHAMBER

COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	No	M/S HAJI SIRAJ UDDIN SOOMRO	UNIT	RATES (Rs.)	AMOUNT (Rs.)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD		M/S NATIONAL LOGISTICS CELL			
8	MS RAILING FOR STAIRS Providing fabricating welding & fixing in position MS railing for staircase or where required comprising of 2" dia MS pipe hand rail, 1-1/2" dia balustrade & 1/2" dia as intermediate rail (Thickness of MS pipe not less than 16 avglas shown on drawing, including base plate & hold fast, 3/4" dia MS pipe for connecting 2" dia hand rail and all required hard wares etc, including providing & applying 2 coats of anti corrosion paint (Red Oxide) and 03 coats of approved color enamel paint (at any height in any floor) etc complete in all respect as per drawing standard specifications and directed by the Engineer estimations and directed by the Engineer.														
8.1	For Forebay Chamber		50.0	Rm	3,937.20	196,860.00	6675	333750.00	69.54	8000	400,000.00	103.19	7271.6	363580	84.69
9	FENCING AT WALLS Galvanized Wire Mesh Fence 1500 mm High i/c vertical angle iron post etc complete in all respect as per drawings, specifications and as directed by the Engineer/incharge														
9.1	For Forebay Chamber		100	Rm	3,272.02	327,202.00	7628	762800.00	133.13	10000	1,000,000.00	205.62	9010	901000	175.37
10	PENSTOCK GATE Providing, fixing and erection of Penstock Gate below given sizes etc, complete in all respect and all works to the entire satisfaction of the Engineer Incharge														
10.1	Size (2300 mm x 2300 mm)		1.00	No	736,000.00	736,000.00	6000000	6000000.00	715.22	3500000	3,500,000.00	375.34	8310400	8310400	1029.13
	SUB TOTAL AMOUNT (PART - B)					1,260,062.00		7,096,550.00			4,900,000.00			9,574,980.00	
	TOTAL AMOUNT (PART - A+B) CARRIED TO GRAND SUMMARY					23,315,541.77		39,383,337.10	68.91		34,057,960.00	46.07		51,055,841.28	118.98


[Handwritten signatures and initials across the bottom of the page]

[Signature]
IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

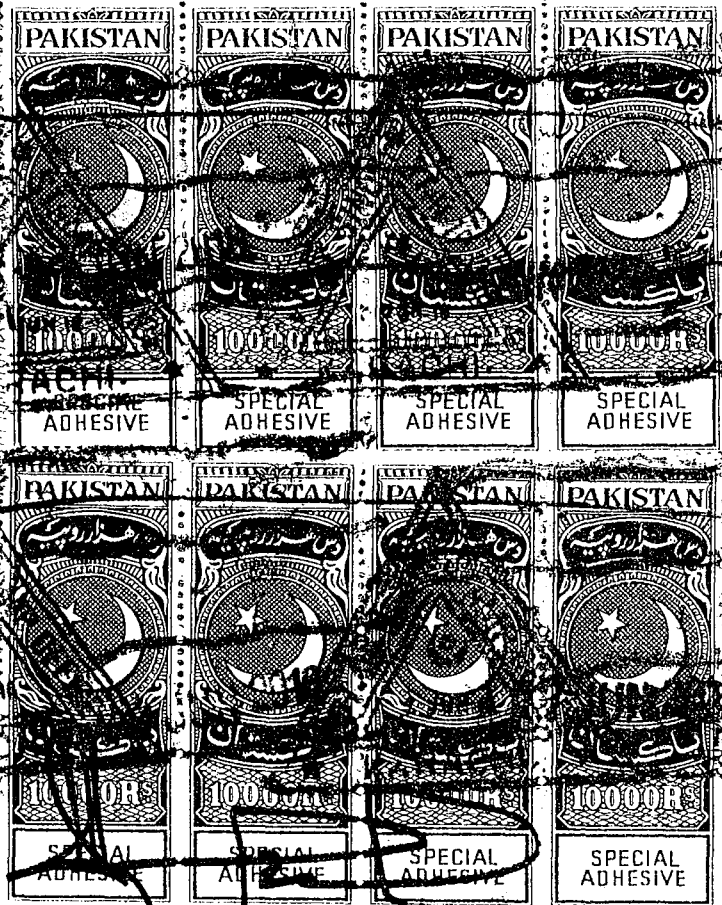
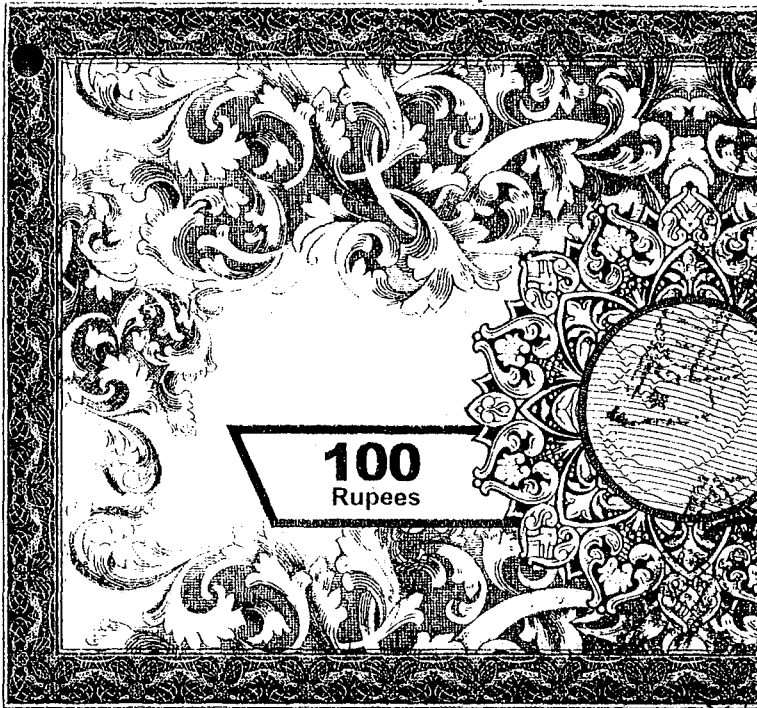
ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
CONSTRUCTION OF ENGINEER'S OFFICE BLOCK AT KW&SB, 9th. MILE, KARSAZ - KARACHI

COMPARATIVE STATEMENT & EVALUATION (PACKAGE-03)

S.No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)	RATES (Rs.)	AMOUNT (Rs.)	INCREASE / DECREASE (%)
				ENGINEERING ESTIMATE		M/S HAJI SIRAJ UDDIN SOOMRO			M/S S.M.A.D.B (PVT) LTD			M/S NATIONAL LOGISTICS CELL		
	Construction of Engineers office with "A" class finishing complete in all respect as per the approval and instruction of Engineer.													
PART-A														
1.00	CIVIL WORKS													
1.10	BOUNDARY WALL													
1.1.1	Construction of Block masonry Wall	110.00	R.m	14,765.00	1,624,150.00	19,070.00	2,097,700.00	29.16	10,000.00	1,100,000.00	(32.27)	26,500.00	2,915,000.00	79.48
1.20	BUILDING WORKS													
1.2.1	Construction Area of Building (Ground Floor)	558.00	Sq.m	59,180.00	33,022,440.00	85,815.00	47,884,770.00	45.01	10,000.00	5,580,000.00	(83.10)	95,400.00	53,233,200.00	61.20
1.2.2	Construction Area of Building(First Floor)	558.00	Sq.m	51,648.00	28,819,584.00	85,815.00	47,884,770.00	66.15	10,000.00	5,580,000.00	(80.64)	95,400.00	53,233,200.00	84.71
	SUB TOTAL AMOUNT (PART -A)				63,466,174.00		97,867,240.00			12,260,000.00			109,381,400.00	
PART-B														
2	ELECTRICAL WORKS, FIXTURES & FITTINGS													
2.1	Area of Building (Ground Floor)	558.00	Sq.m	2,690.00	1,501,020.00	3,814.00	2,128,212.00	41.78	8,000.00	4,464,000.00	197.40	5,300.00	2,957,400.00	97.03
2.2	Area of Building (First Floor)	558.00	Sq.m	2,367.00	1,320,786.00	3,814.00	2,128,212.00	61.13	8,000.00	4,464,000.00	237.98	5,300.00	2,957,400.00	123.91
	SUB TOTAL AMOUNT (PART -B)				2,821,806.00		4,256,424.00			8,928,000.00			5,914,800.00	
PART-C														
3	PLUMBING WORKS, FIXTURES & FITTINGS													
3.1	Area of Building (Ground Floor)	558.00	Sq.m	1,184.00	660,672.00	3,814.00	2,128,212.00	222.13	7,000.00	3,906,000.00	491.22	5,300.00	2,957,400.00	347.64
3.2	Area of Building (First Floor)	558.00	Sq.m	1,076.00	600,408.00	3,814.00	2,128,212.00	254.46	7,000.00	3,906,000.00	550.56	5,300.00	2,957,400.00	392.57
	SUB TOTAL AMOUNT (PART -C)				1,261,080.00		4,256,424.00			7,812,000.00			5,914,800.00	
PART-D														
4	MISCELLANEOUS WORKS													
4.1	External Development	130.00	Sq.m	1,937.00	251,810.00	15,000.00	1,950,000.00	674.39	6,000.00	780,000.00	209.76	26,500.00	3,445,000.00	1,768.09
4.2	Paved parking & Garraage	550.00	Sq.m	2,260.00	1,243,000.00	5,000.00	2,750,000.00	121.24	6,000.00	3,300,000.00	165.49	6,890.00	3,789,500.00	204.87
4.3	Karachi Bulk Water Supply Network Model from Keonjhar Lake to Karachi		L.S	500,000.00	500,000.00	5,000,000.00	5,000,000.00	900.00	2,000,000.00	2,000,000.00	300.00	8,310,400.00	8,310,400.00	1,562.08
4.4	Multi media System		L.S	500,000.00	500,000.00	4,767,500.00	4,767,500.00	853.50	1,500,000.00	1,500,000.00	200.00	5,194,000.00	5,194,000.00	938.80
	SUB TOTAL AMOUNT (PART -D)				2,494,810.00		14,467,500.00			7,580,000.00			20,738,900.00	
	TOTAL AMOUNT (PART - A+B+C+D) CARRIED TO GRAND SUMMARY				70,043,870.00		120,847,588.00	72.53		36,580,000.00	(47.78)		141,949,900.00	102.66



IQBAL PAI
 Executive Eng
 Addl. 65 Mgd. P
 KW&SB



KASHIF KAZA STAMP VENDOR
Licence No. 02 G-14, Spanish Homes

04 JUN 2018

Phase-1, D.H.A., Karachi.
S.no. 68416 Date 04/06/2018
Issued To With Address.....
Through With Address.....
Purpose.....
Value Rs. 100000 Attached.....
Stamp Vendor's Signature.....
(NOT USE FOR FREE WILL & DIVORCE PURPOSE)



Laying of 72" dia Mild Steel Pipe (Rising main) from Gharo Pumping Station to High Point (forebay) Package #03

CA-1

CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the Agreement) made on the 5th day of June 2018
between KARACHI WATER & SEWERAGE BOARD (hereinafter called the "Employer") of the one part, and
HAJESIRA MUDIN SOOMRO Plot No. X-22 Extension Area, SITE Kotri, (herein after called the "Contractor") of the other part.

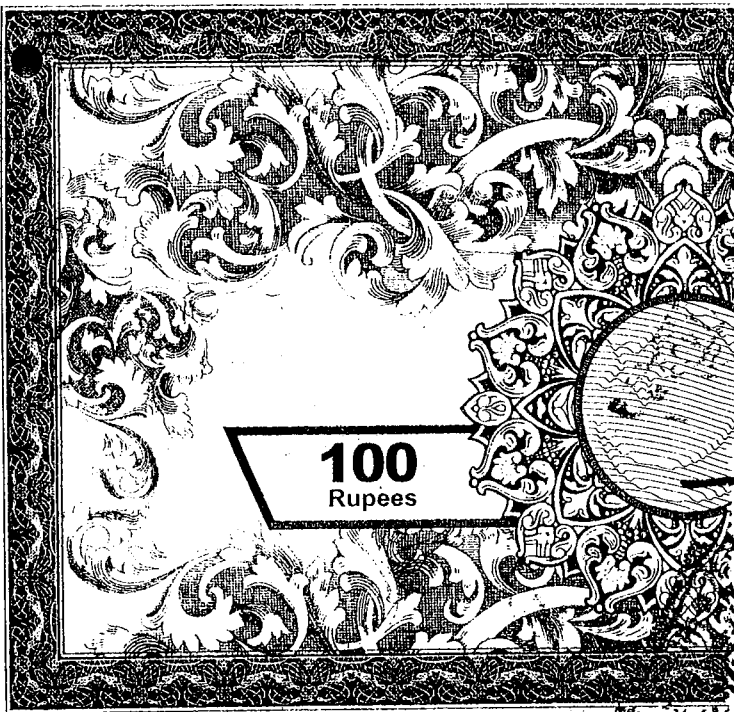
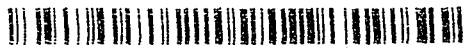
IQBAL PALEJO
Executive Engineer
Addl. 654441. Project
KW&SB

Handwritten signature and date: 25/6/2018

Handwritten signature and date: 10/06/2018

Handwritten signature and date: 4/6/2018





100
Rupees



KASHIF RAZA STAMP VENDOR

License No. 02 G-14, Spanish Homes

Phase-1, D.H.A., Karachi.

S.No. 68347 Date 04 JUN 2018

Issued To With Address.....

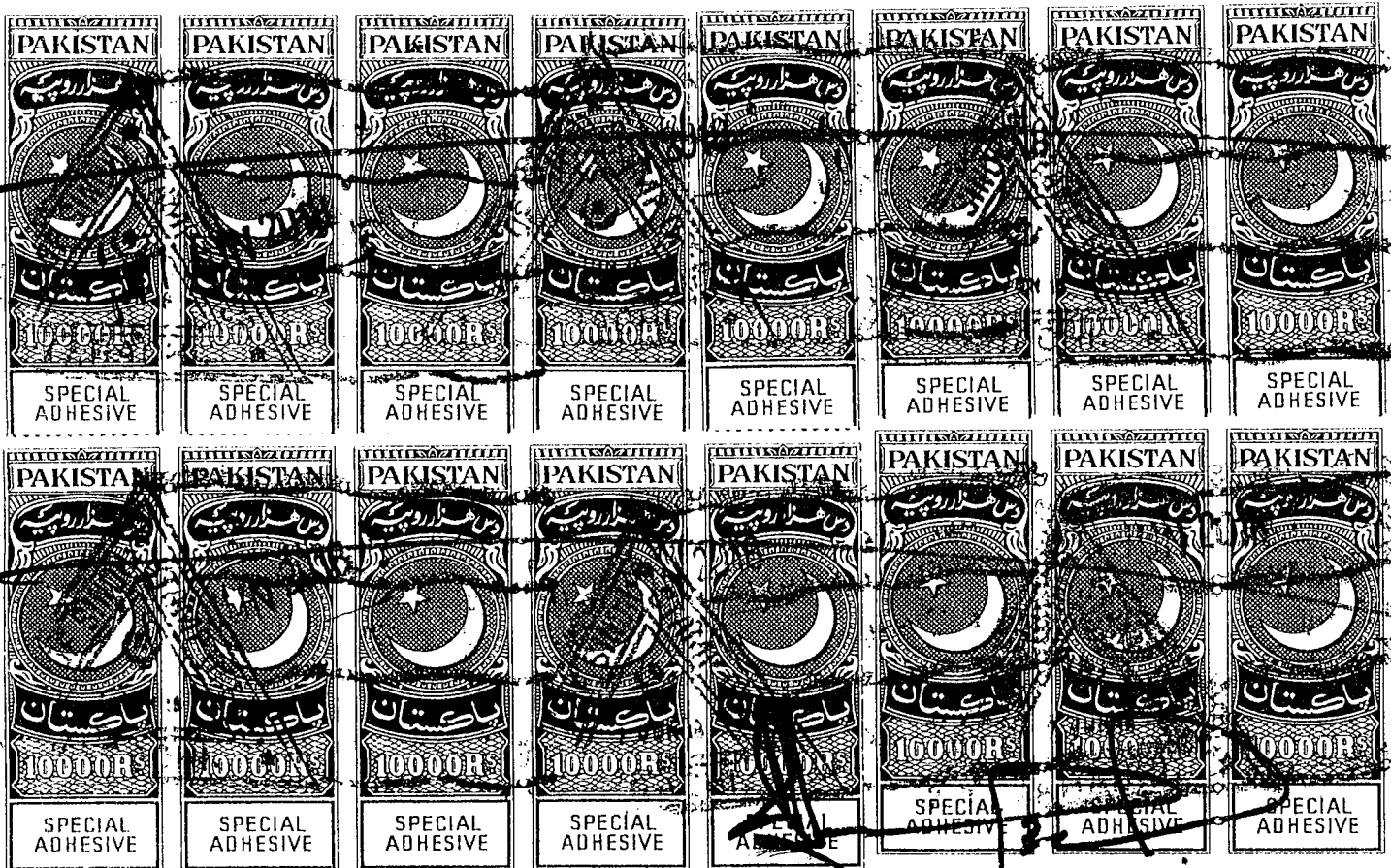
Through With Address.....

Purpose.....

Value Rs. 100000 Attached.....

Stamp Vendor's Signature.....

(NOT USE FOR FREE WILL & DIVORCE PURPOSE)



WHEREAS the Employer is desirous that certain works should be executed viz:

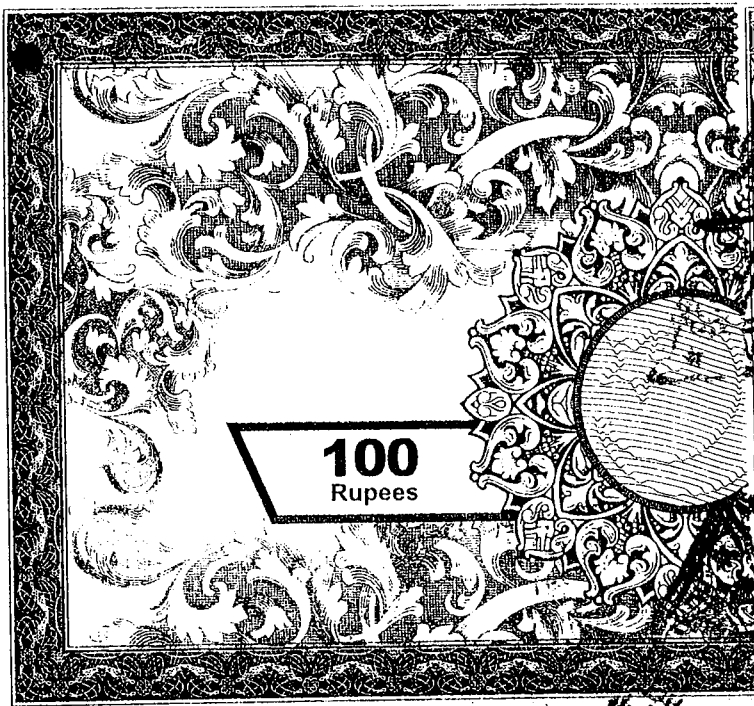
Bid Reference No. CONSTRUCTION OF ADDITIONAL 65 MGD WATER SUPPLY SCHEME, FROM HALEJI TO PIPRI, KARACHI.

Name of Contract : Laying of 72" dia Mild Steel Pipe (Rising Main) from Ghara Pumping Station to High Point (forebay) Package #03 (Hereinafter called the "Works") should be executed by the Contractor and has accepted by the contractor on the execution and completion of such works and remedying any defects therein.

OFFICE
HALEJI
EXECUTIVE ENGINEER
Addl. 65 Mgd. Project
KW&SB

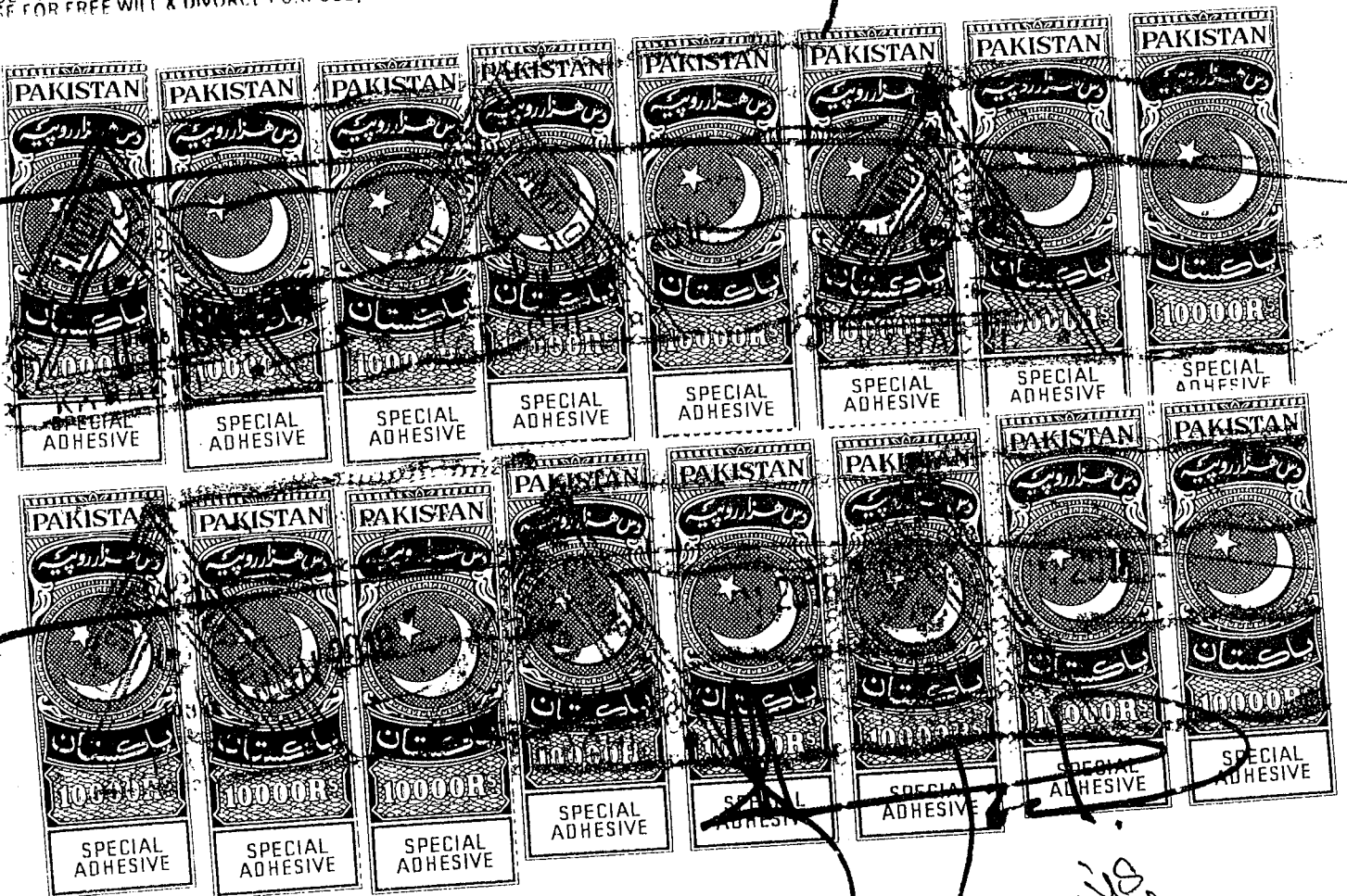
100000/- 24
9.8

7 CO



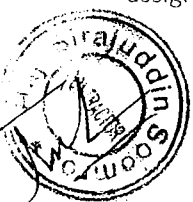
KASHIF HAZAR...
 License No. 42648, SHAHID RIVER
 Phase I, H.A. RAHAF
 S.No. 60348
 Issued to With Address...
 Through With Address...
 Purpose...
 Value Rs. 100000/- Attached...
 (NOT FOR FREE WILL & DIVORCE PURPOSE)
 Signature...

94 JUNE 2018



NOW this Agreement witness 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 herein after referred to.

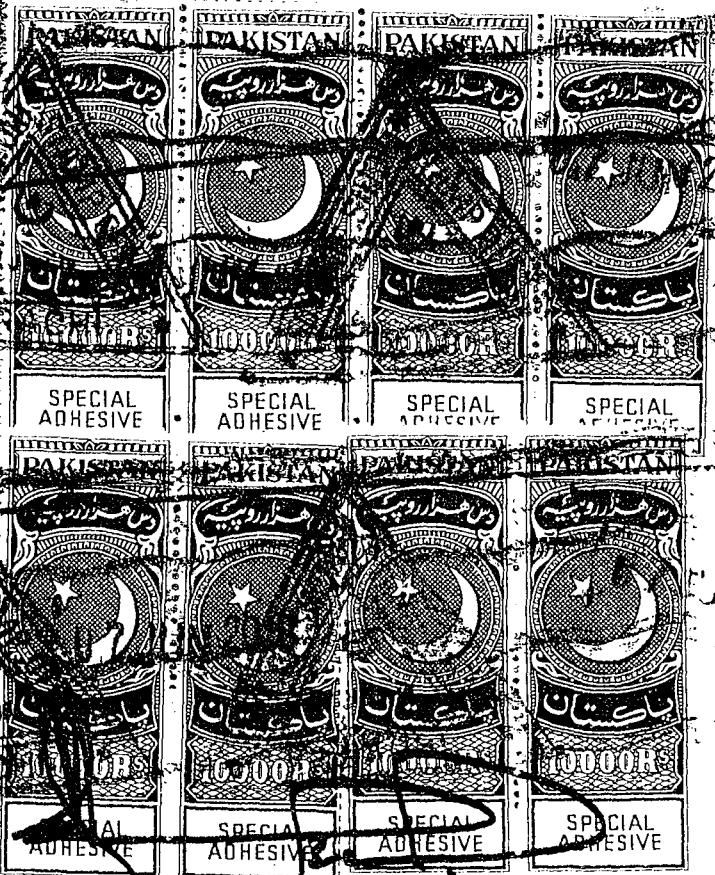
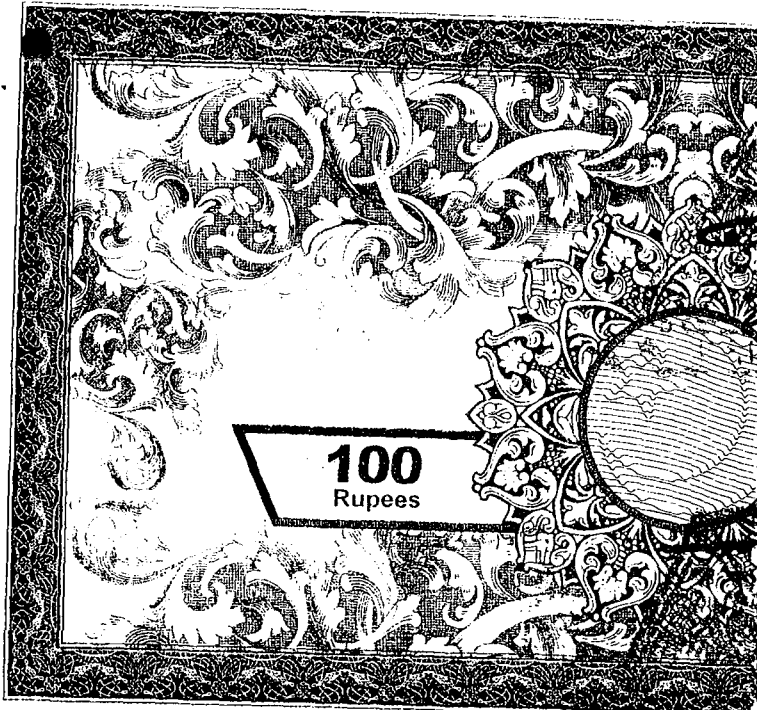
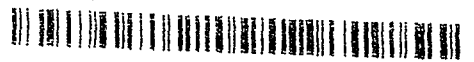


IQBAL PALEJO
 Executive Engineer
 Addl. Gd. Project
 KW&SB

GOVT. OF SINDH

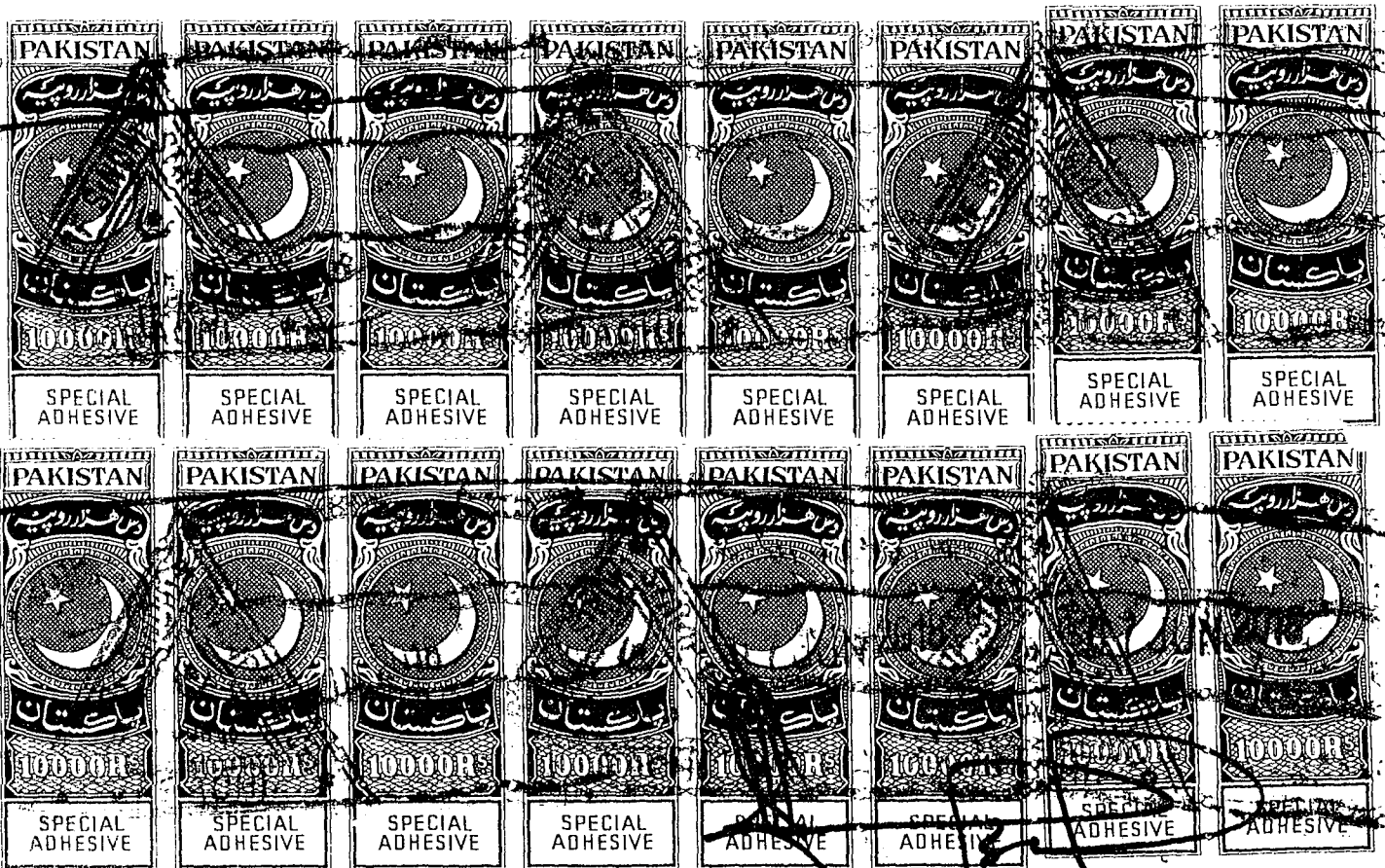
RACHI-PAKISTAN

100000/-
 11/6
 8/2
 5/2
 2/2
 2/2



License No. 026-14, 9th Floor, 1st Floor
 5th Floor, 1st Floor, 1st Floor
 S.No. 68349
 Issued to Mr. Address: MUHAMMAD SADIQ
 Through Mr. Address: MUHAMMAD SADIQ
 Purpose: ...
 Value Rs. 100/-
 Signature: ...
 (NOT USE FOR FREE WILL & INVOICE)

04 JUN 2018



[Handwritten signature]

A. G. W

100001.72
24
96

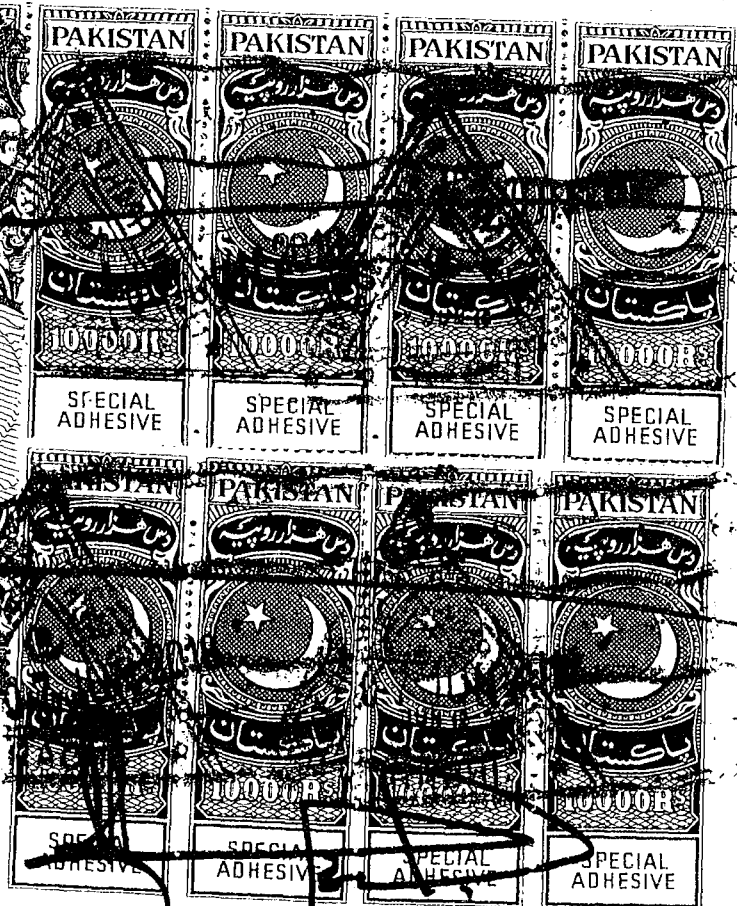
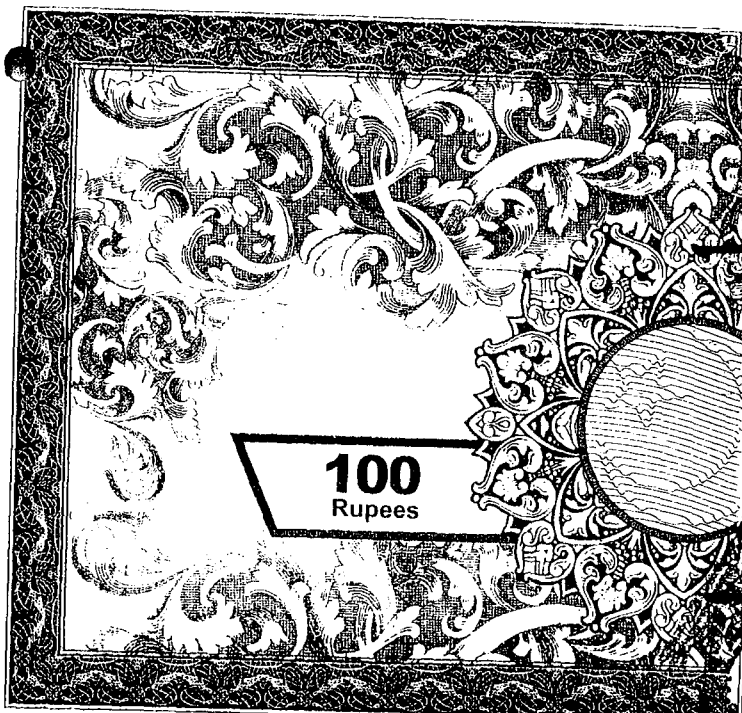
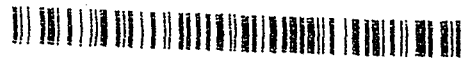
[Handwritten signature]



GOVT. OF SINDH

The following documents after incorporating amendments, if any, except those parts relating to
 Instructions to Bidders shall be deemed to form and be read and construed as part of this
 Agreement.
 Addl. 65 Mgd. Project
 KW&SB

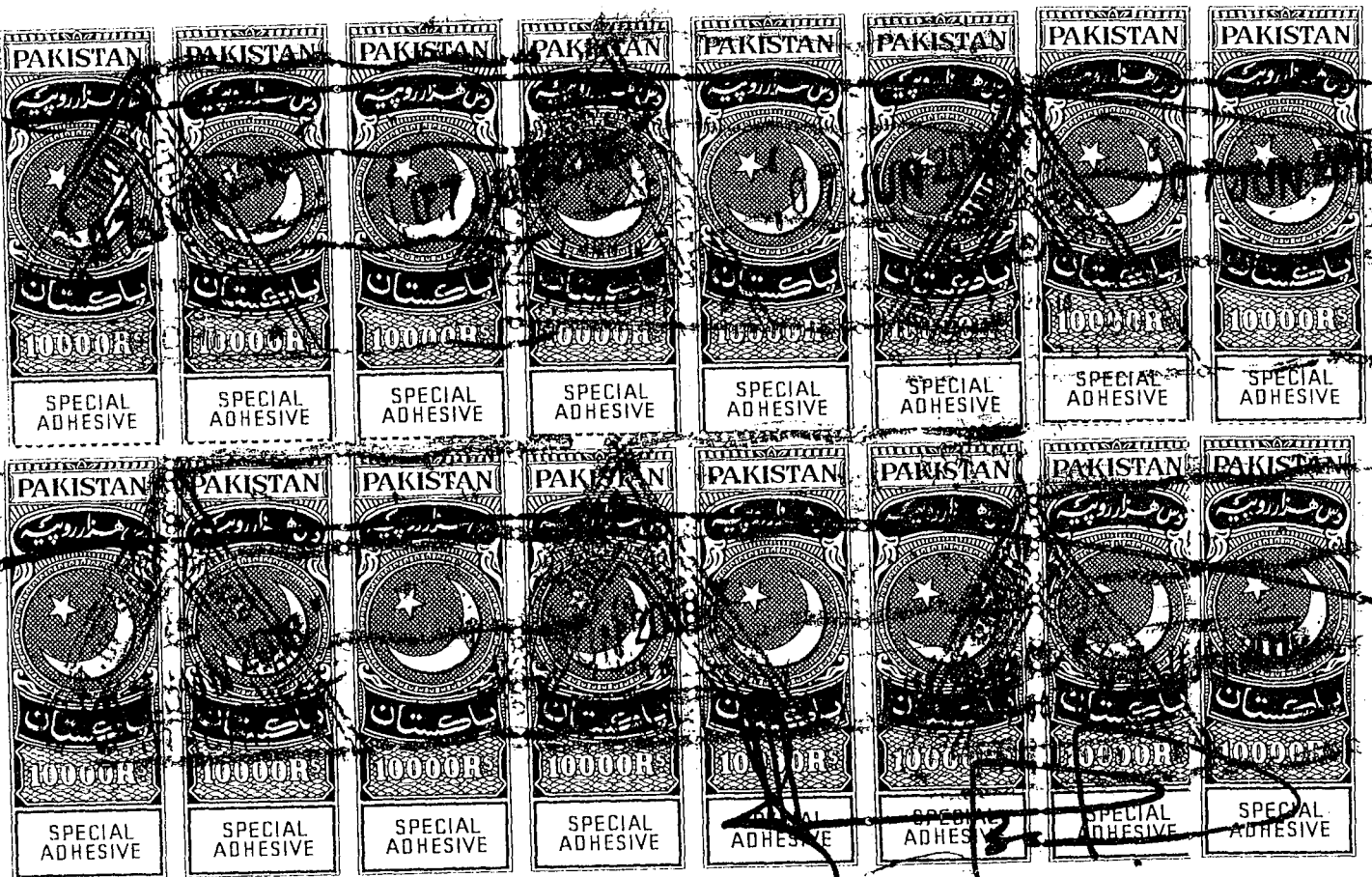
01/6/2018



KASHIF KAZA STAMP VENDOR
Licence No. 02 G-14, Spanish Hammes
Phase-1, D.H.A., Karachi.

04 JUN 2018

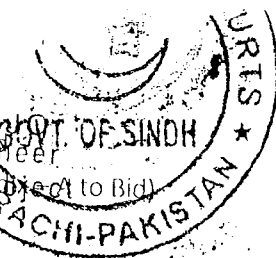
S.No. 60350 Date
Issued To With Address
Through With Address
Purpose
Value Rs. 10000 Attached
FOR FREE WILL & DIVORCE PURPOSE



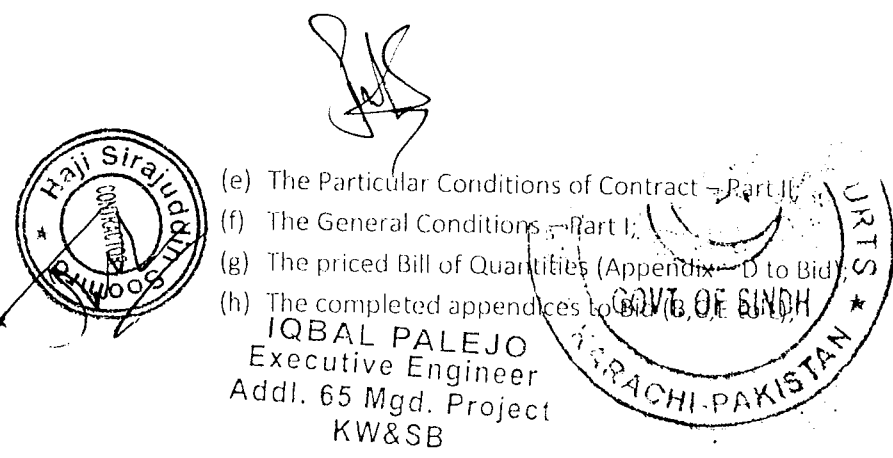
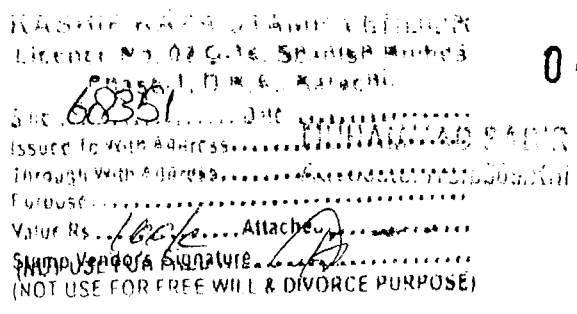
- (a) The Contract Agreement
- (b) The Letter of Acceptance
- (c) The copy of the Engineer
- (d) Special

GLOBAL PAKISTAN OF SINDH

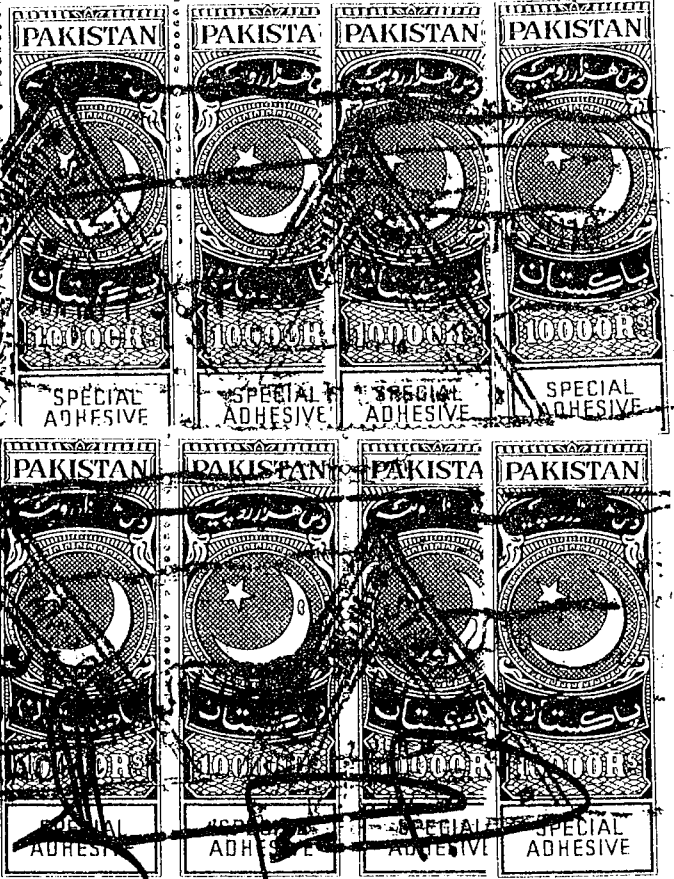
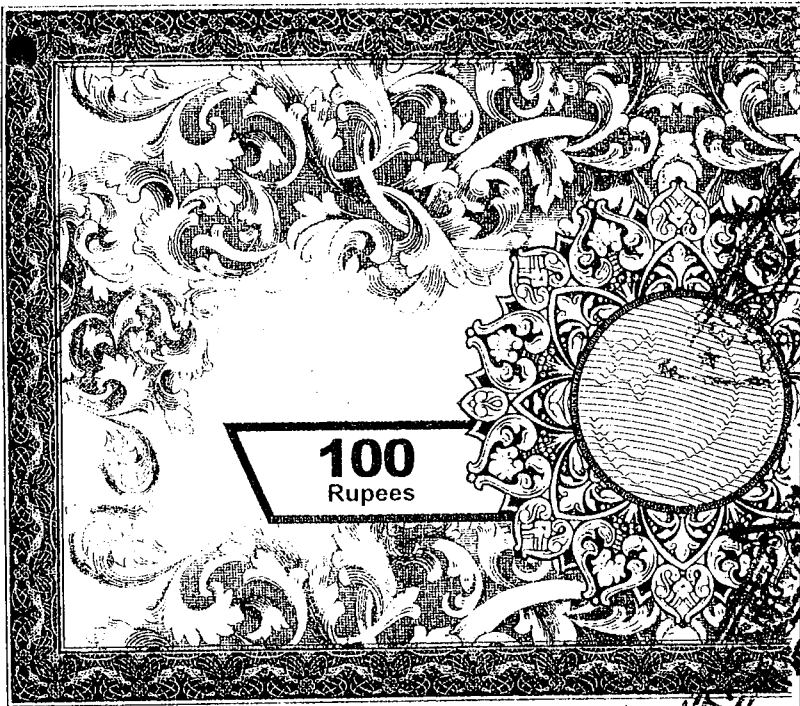
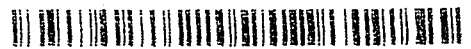
KW&SB



Handwritten calculations:
4/6/2017
10000.00
120
1200000



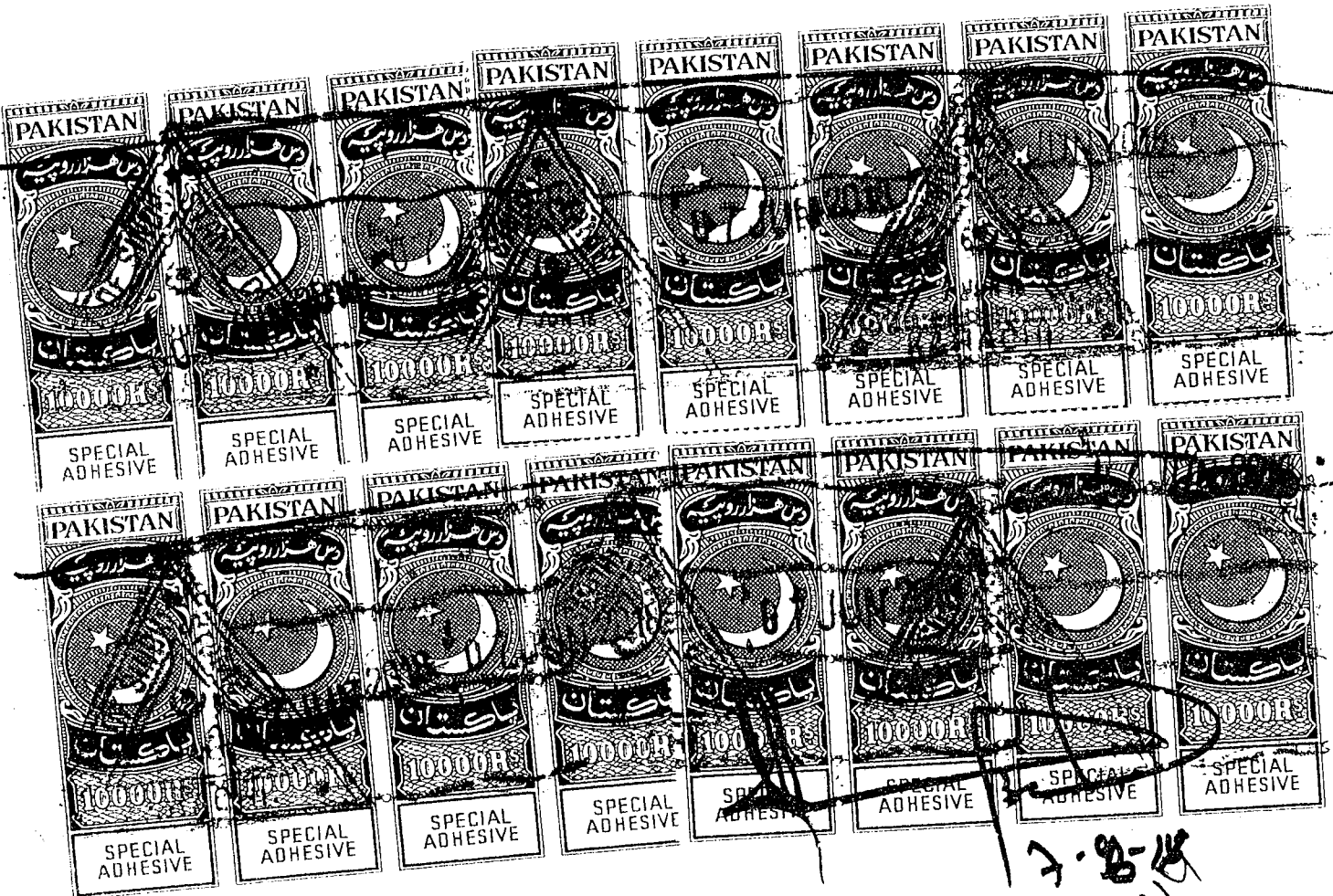
$\frac{10000}{120} = 83.33$
 $\frac{144}{120} = 1.2$



04 JUN 2018

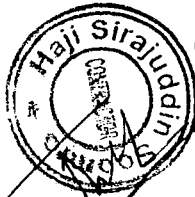
7.6.18

License No. 02516, Spanish Road
 Phase 1, H-6, Karachi
 Date
 Issued to With Address
 Through With Address
 Purpose
 Value Rs. 100000 Attached
 Stamp Vendor's Signature
 (NOT USE FOR FREE WILL & DIVORCE PURPOSE)



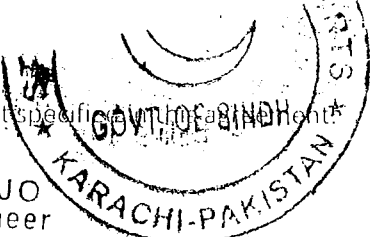
7.8.18

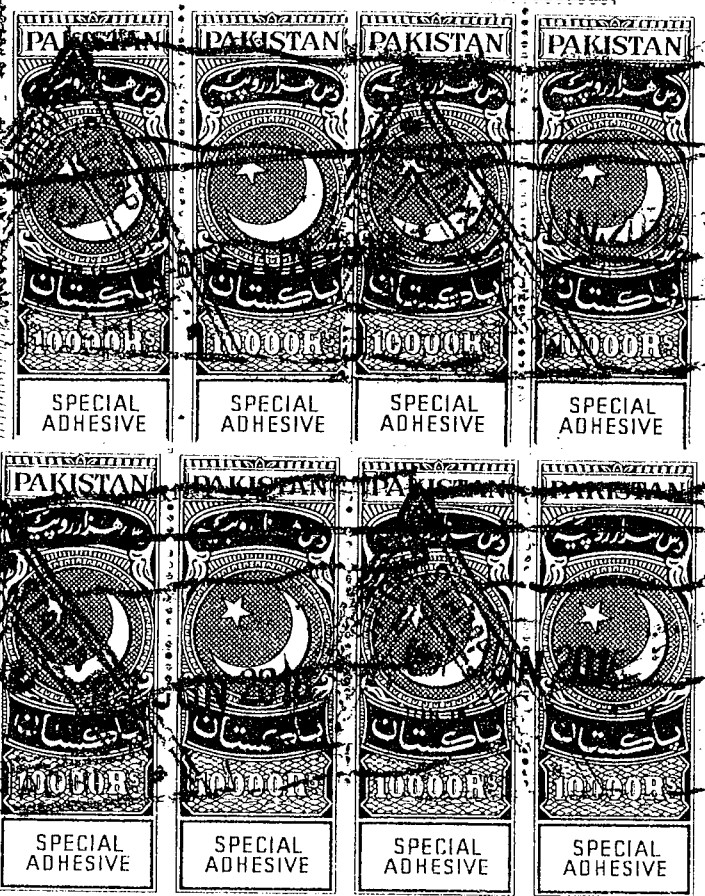
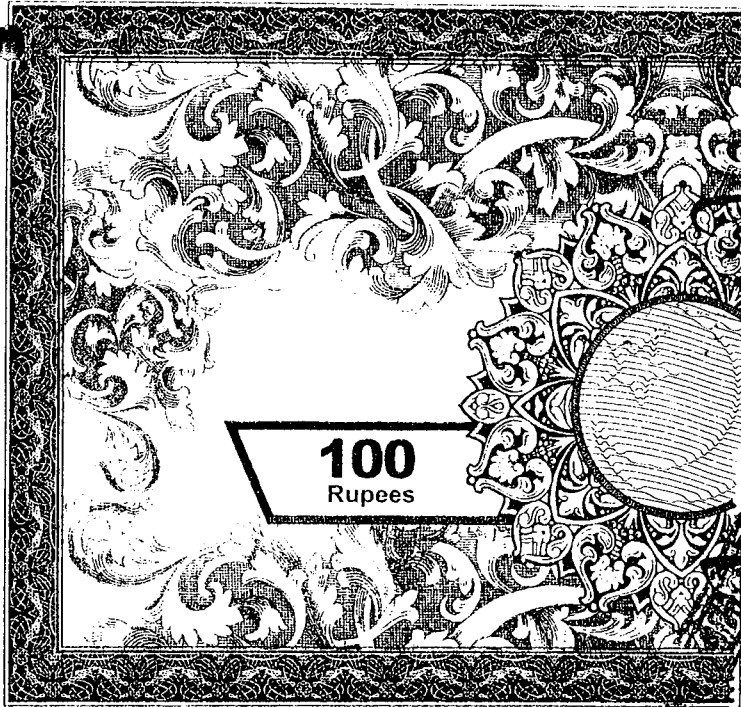
41612/100000/14
 24
 168
 210



- (i) The Drawings
- (j) The Specifications
- (k) Any other document specified in the contract

IQBAL PALEJO
 Executive Engineer
 Addl. Comm. Project
 KW&SB

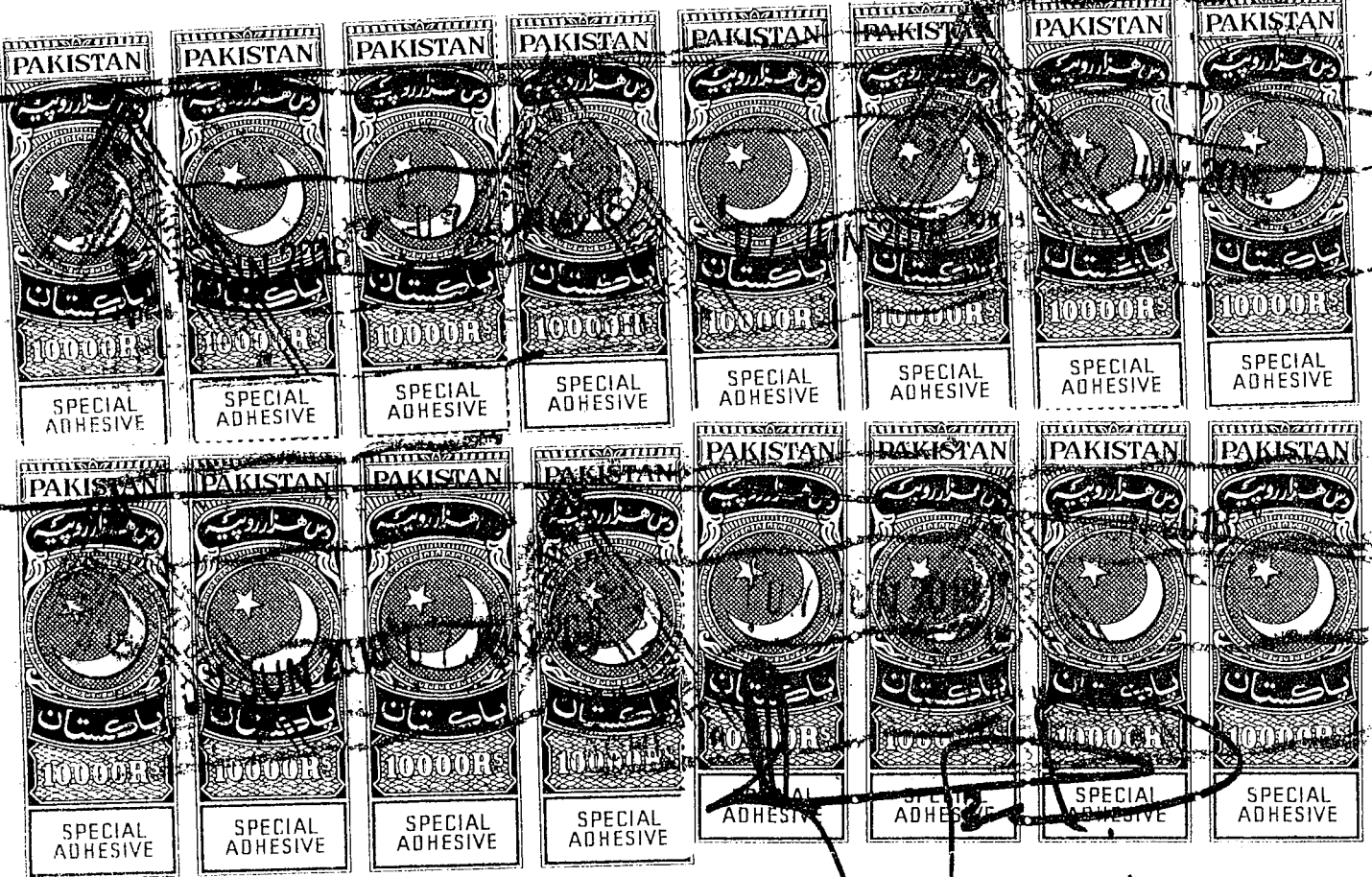




KASHIF RAZA STAMP VENDOR
Licence No. 02 G-14, Spanish Homes
Phase-1, D.H.A., Karachi.

04 JUN 2018

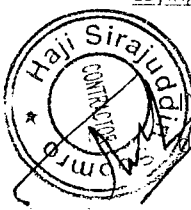
S.No. 10055 Date
Issued to With Address
Through With Address
Purpose
Value Rs. 100/- Attached
Stamp Vendor's Signature
NOT USE FOR FREE WILL & DIVORCE PURPOSE.



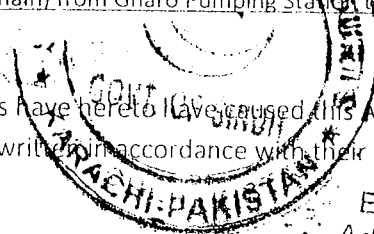
7-6-18

100000 / 24 / 192
CA-2

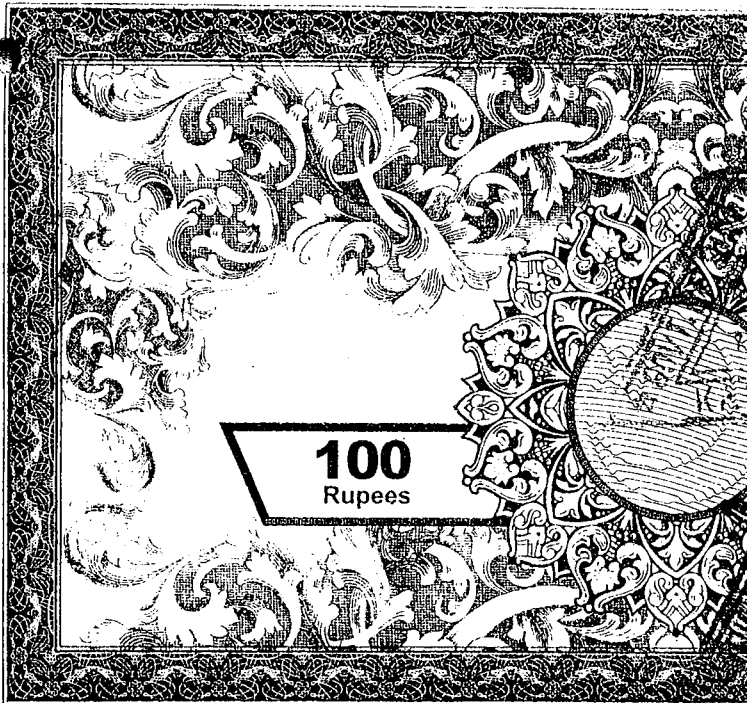
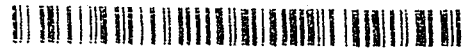
Laying of 72" dia Mild Steel Pipe (Rising main) from Ghara Pumping Station to High Point (forebay) Package #03



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



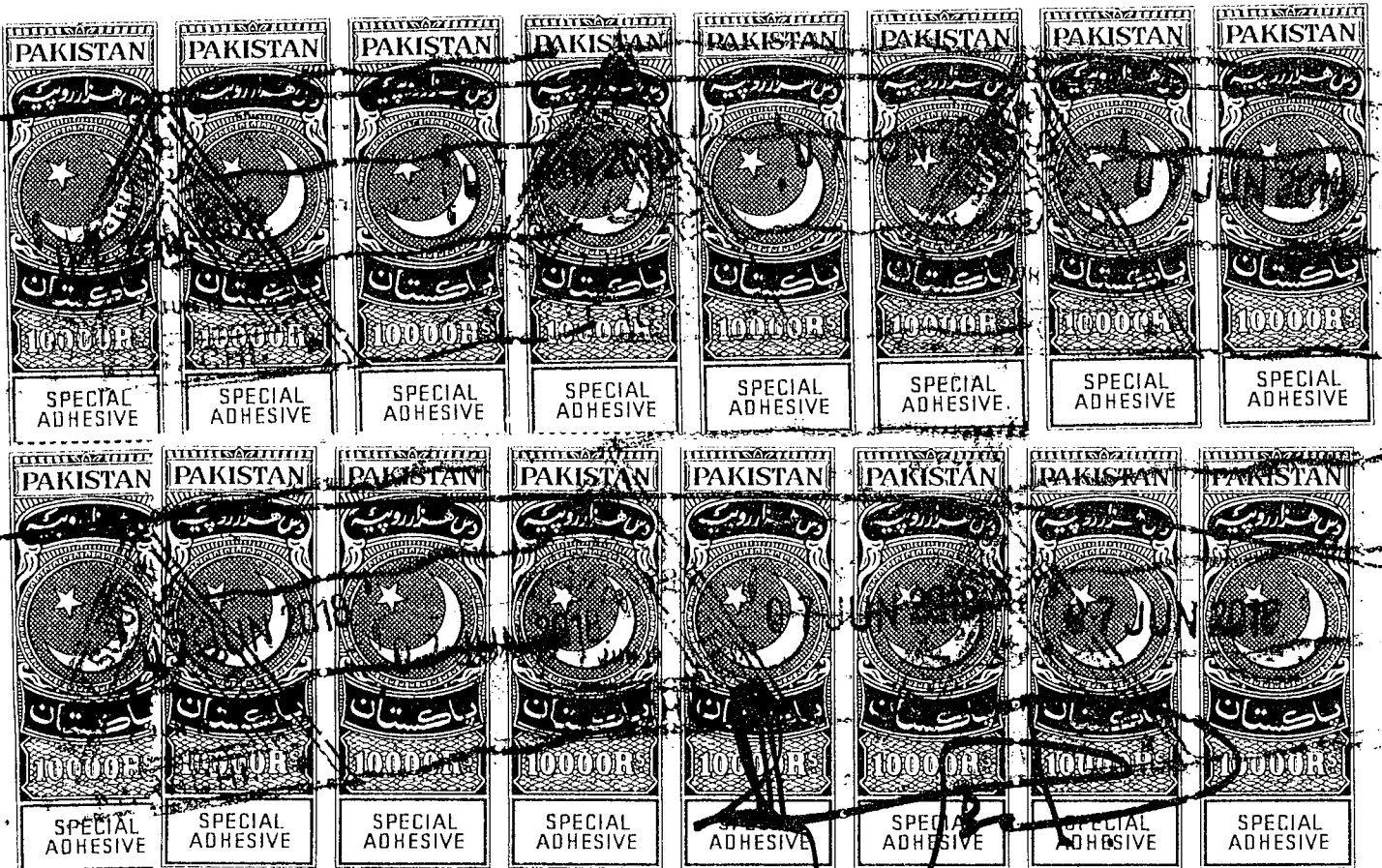
IQBAL PALEJO
Executive Engineer
Addl. 65 Mga Project
KW&SB



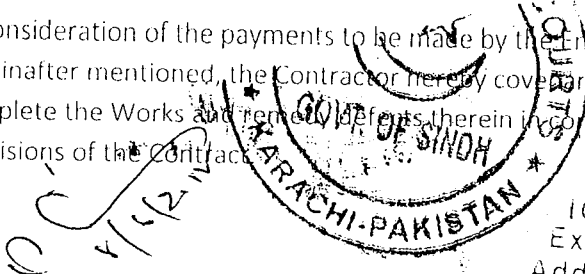
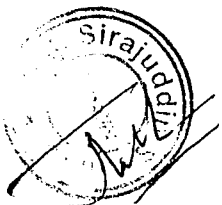
KARACHI, PAKISTAN
 Locality No. 02 G-14, Seahish Homes
 Phase I, D.M.A., KARACHI.

04 JUN 2018

S.P. 683593 Date
 Issued To With Address
 Through With Address
 Purpose
 Value Rs. 100000 Attached
 Stamp Vendor's Signature
 (NOT USE FOR FREE WILL & DIVORCE PURPOSE)



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 remove defects therein in conformity and in all respects with the provisions of the Contract.



IQBAL SALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

2.6.18
 100000/-
 192
 24
 210

1. NAME _____

2. ADDRESS _____

3. CITY _____

4. STATE _____

5. ZIP _____

6. PHONE _____

7. DATE _____

8. TIME _____

9. BY _____

10. REMARKS _____

11. INITIALS _____

12. SIGNATURE _____

13. DATE _____

14. TIME _____

15. BY _____

16. REMARKS _____

17. INITIALS _____

18. SIGNATURE _____

19. DATE _____

20. TIME _____

21. BY _____

22. REMARKS _____

23. INITIALS _____

24. SIGNATURE _____

25. DATE _____

26. TIME _____

27. BY _____

28. REMARKS _____

29. INITIALS _____

30. SIGNATURE _____

31. DATE _____

32. TIME _____

33. BY _____

34. REMARKS _____

35. INITIALS _____

36. SIGNATURE _____

37. DATE _____

38. TIME _____

39. BY _____

40. REMARKS _____

41. INITIALS _____

42. SIGNATURE _____

43. DATE _____

44. TIME _____

45. BY _____

46. REMARKS _____

47. INITIALS _____

48. SIGNATURE _____

49. DATE _____

50. TIME _____

51. BY _____

52. REMARKS _____

53. INITIALS _____

54. SIGNATURE _____

55. DATE _____

56. TIME _____

57. BY _____

58. REMARKS _____

59. INITIALS _____

60. SIGNATURE _____

61. DATE _____

62. TIME _____

63. BY _____

64. REMARKS _____

65. INITIALS _____

66. SIGNATURE _____

67. DATE _____

68. TIME _____

69. BY _____

70. REMARKS _____

71. INITIALS _____

72. SIGNATURE _____

73. DATE _____

74. TIME _____

75. BY _____

76. REMARKS _____

77. INITIALS _____

78. SIGNATURE _____

79. DATE _____

80. TIME _____

81. BY _____

82. REMARKS _____

83. INITIALS _____

84. SIGNATURE _____

85. DATE _____

86. TIME _____

87. BY _____

88. REMARKS _____

89. INITIALS _____

90. SIGNATURE _____

91. DATE _____

92. TIME _____

93. BY _____

94. REMARKS _____

95. INITIALS _____

96. SIGNATURE _____

97. DATE _____

98. TIME _____

99. BY _____

100. REMARKS _____

101. INITIALS _____

102. SIGNATURE _____

103. DATE _____

104. TIME _____

105. BY _____

106. REMARKS _____

107. INITIALS _____

108. SIGNATURE _____

109. DATE _____

110. TIME _____

111. BY _____

112. REMARKS _____

113. INITIALS _____

114. SIGNATURE _____

115. DATE _____

116. TIME _____

117. BY _____

118. REMARKS _____

119. INITIALS _____

120. SIGNATURE _____

121. DATE _____

122. TIME _____

123. BY _____

124. REMARKS _____

125. INITIALS _____

126. SIGNATURE _____

127. DATE _____

128. TIME _____

129. BY _____

130. REMARKS _____

131. INITIALS _____

132. SIGNATURE _____

133. DATE _____

134. TIME _____

135. BY _____

136. REMARKS _____

137. INITIALS _____

138. SIGNATURE _____

139. DATE _____

140. TIME _____

141. BY _____

142. REMARKS _____

143. INITIALS _____

144. SIGNATURE _____

145. DATE _____

146. TIME _____

147. BY _____

148. REMARKS _____

149. INITIALS _____

150. SIGNATURE _____

151. DATE _____

152. TIME _____

153. BY _____

154. REMARKS _____

155. INITIALS _____

156. SIGNATURE _____

157. DATE _____

158. TIME _____

159. BY _____

160. REMARKS _____

161. INITIALS _____

162. SIGNATURE _____

163. DATE _____

164. TIME _____

165. BY _____

166. REMARKS _____

167. INITIALS _____

168. SIGNATURE _____

169. DATE _____

170. TIME _____

171. BY _____

172. REMARKS _____

173. INITIALS _____

174. SIGNATURE _____

175. DATE _____

176. TIME _____

177. BY _____

178. REMARKS _____

179. INITIALS _____

180. SIGNATURE _____

181. DATE _____

182. TIME _____

183. BY _____

184. REMARKS _____

185. INITIALS _____

186. SIGNATURE _____

187. DATE _____

188. TIME _____

189. BY _____

190. REMARKS _____

191. INITIALS _____

192. SIGNATURE _____

193. DATE _____

194. TIME _____

195. BY _____

196. REMARKS _____

197. INITIALS _____

198. SIGNATURE _____

199. DATE _____

200. TIME _____

201. BY _____

202. REMARKS _____

203. INITIALS _____

204. SIGNATURE _____

205. DATE _____

206. TIME _____

207. BY _____

208. REMARKS _____

209. INITIALS _____

210. SIGNATURE _____

211. DATE _____

212. TIME _____

213. BY _____

214. REMARKS _____

215. INITIALS _____

216. SIGNATURE _____

217. DATE _____

218. TIME _____

219. BY _____

220. REMARKS _____

221. INITIALS _____

222. SIGNATURE _____

223. DATE _____

224. TIME _____

225. BY _____

226. REMARKS _____

227. INITIALS _____

228. SIGNATURE _____

229. DATE _____

230. TIME _____

231. BY _____

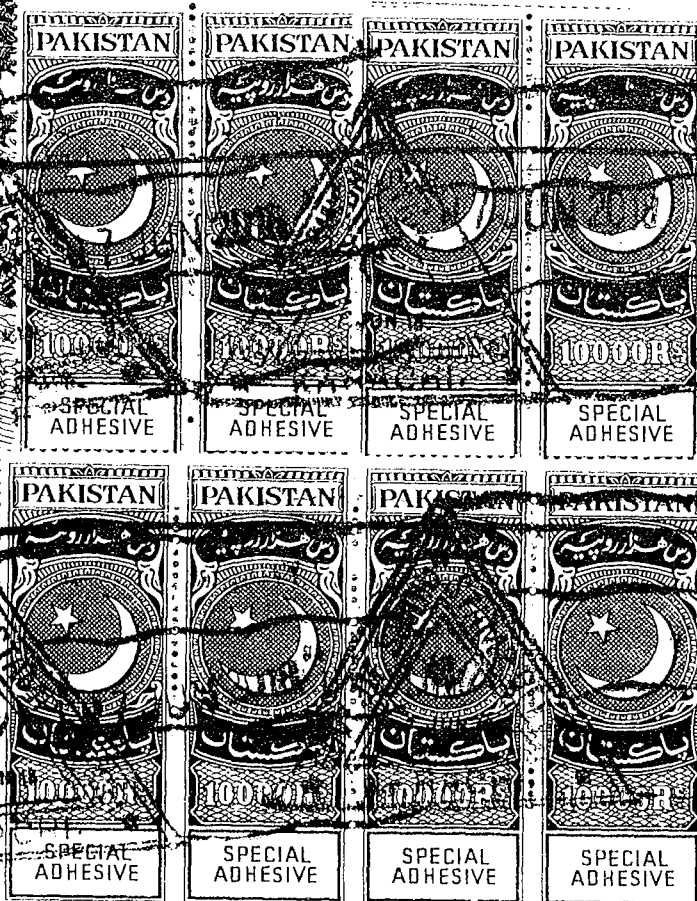
232. REMARKS _____

233. INITIALS _____

234. SIGNATURE _____

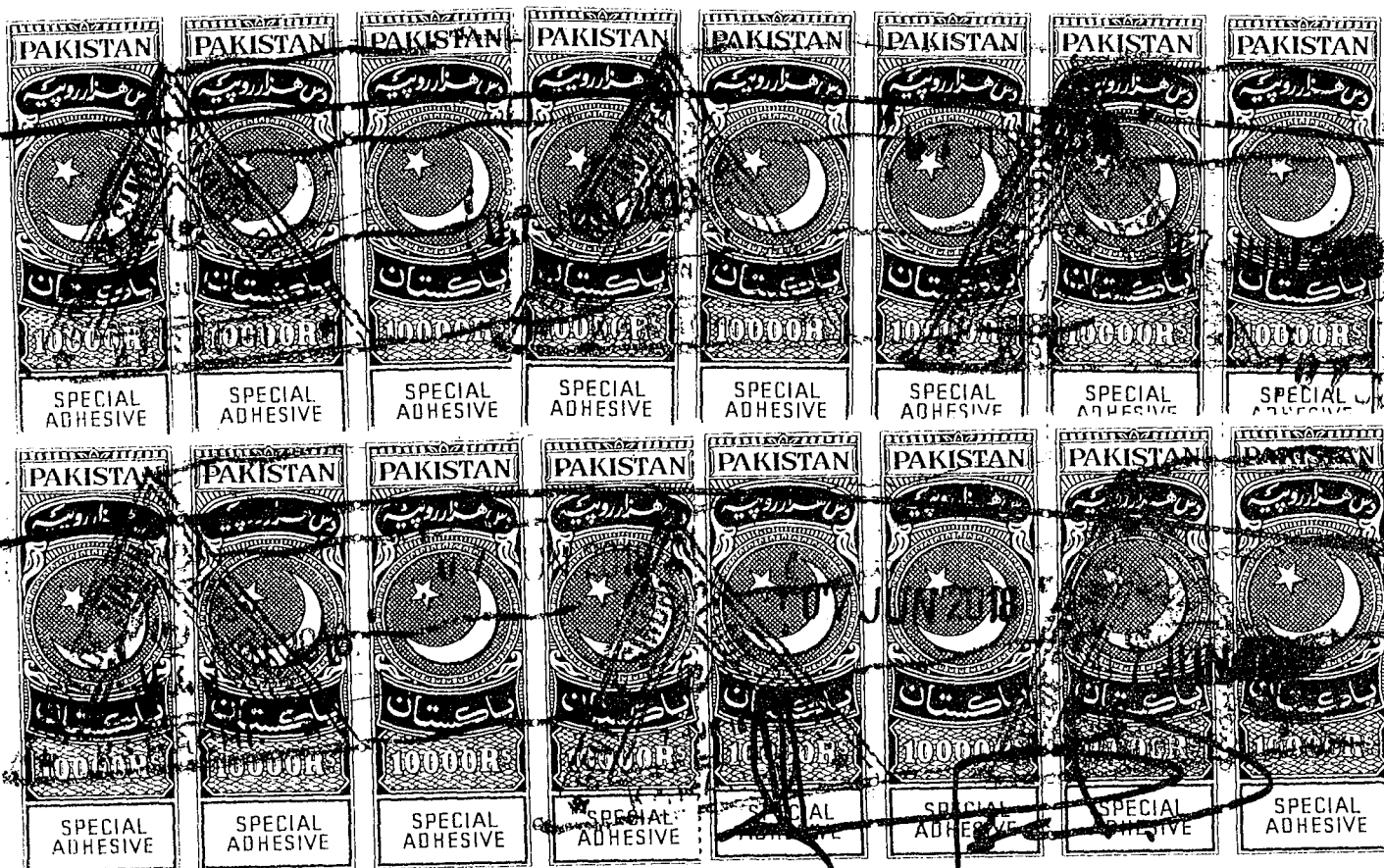
235. DATE _____

236. TIME _____



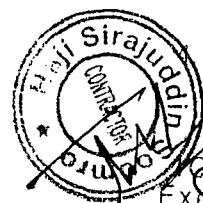
Stamp randoms signature
 (NOT USE FOR FREE WILL & DIVORCE PURPOSE)

04 JUN 2018



7-6-18

10000.210
240



The Employer hereby undertakes 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.

GLOBAL PALEJO
Executive Engineer
Addl. S&Mgd. Project
K&SB



10000/- 240
40
280
40

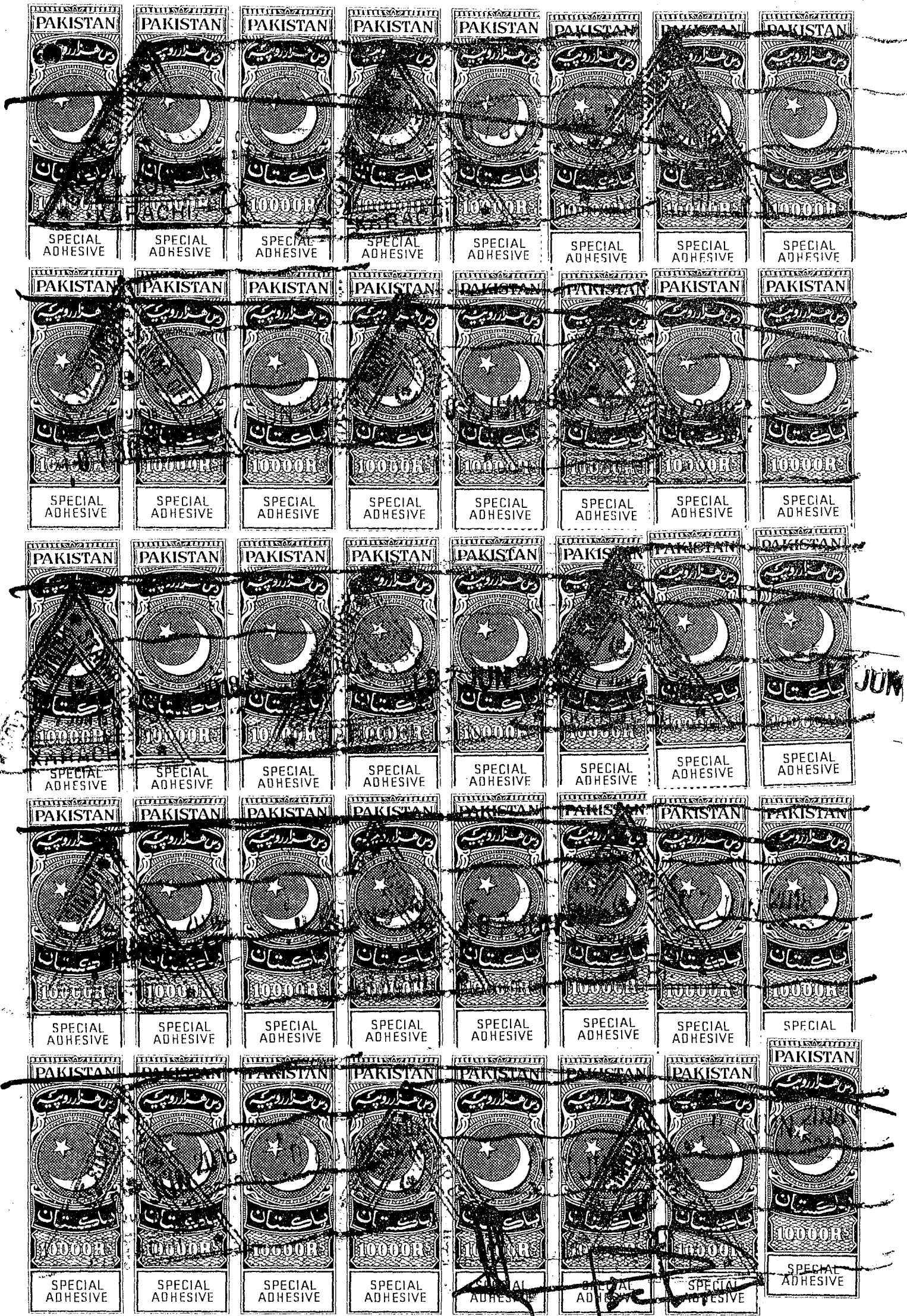
2.6.18

Laying of 12" dia Mild steel pipe from Ghara Pumping station to high point (forebay) package 03

GOVT. OF SINDH
KARACHI-PAKISTAN
GLOBAL PALEJO
Executive Engineer
Adm. & S. Mgd. Project
KW&SB



4/6/2018



Laying of 20" dia Mild steel pipe (rising main) from Gharo Pumping station to high point (forebay) package # 03

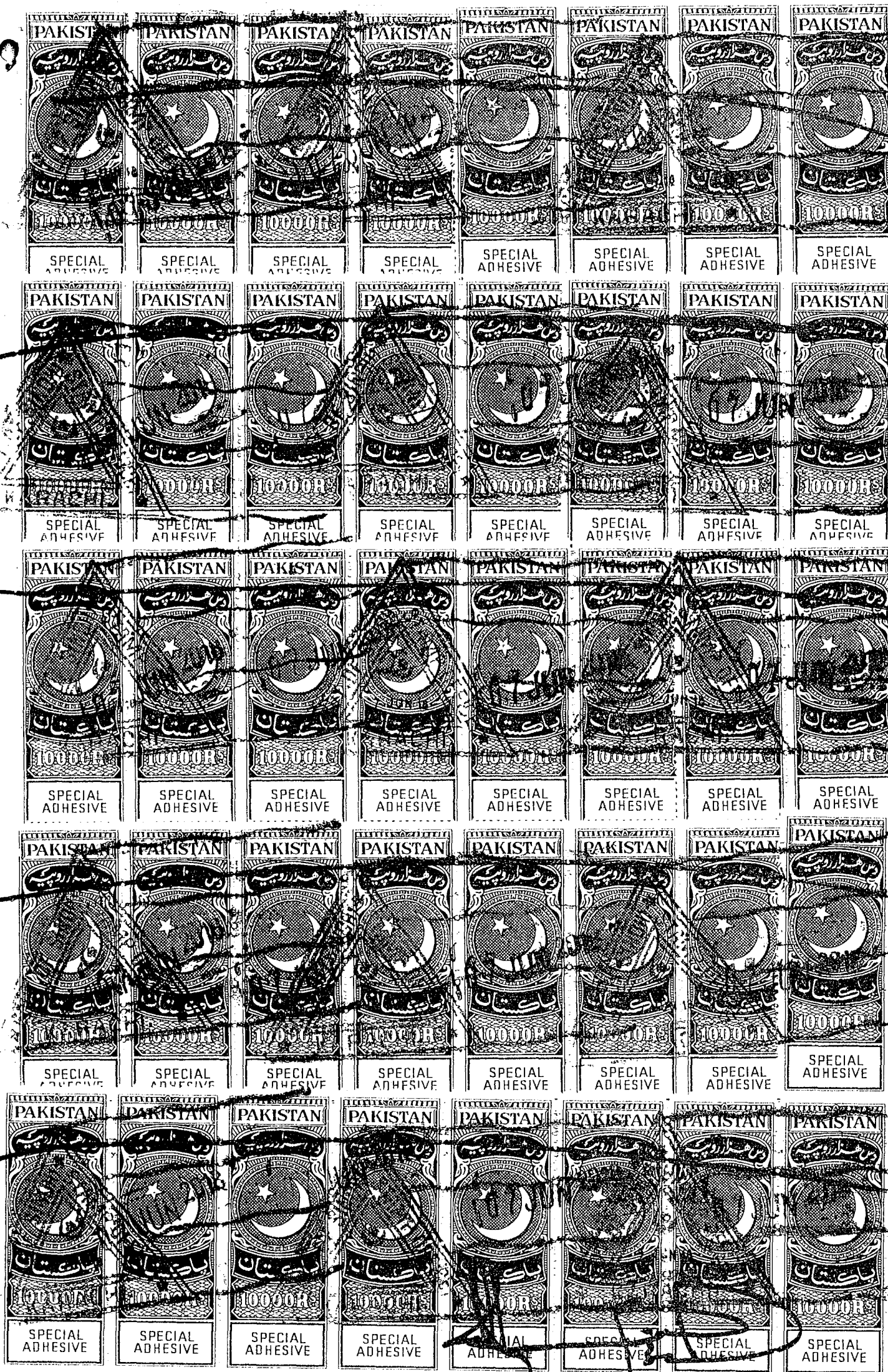
10000-280
410
320



10000-280
Executive Engineer
Addl. Gd. Project
KW&SB



4/6/12

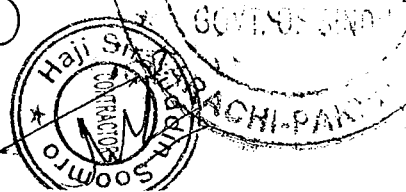


2.0.10

Laying of 72" dia Mild steel pipe (rising main) from Ghara Pumping station to High point (fore Bay) package # 03

10000-360
400

all

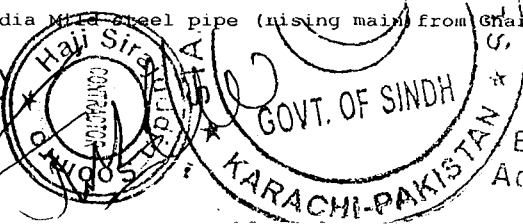


IQBAL REJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



Laying of 72" dia Mild steel pipe (rising main) from Ghara Pumping station to High point (forebay) package # 03

100000-400
440



IQBAL RAJEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

4/6/2012



7.6.18

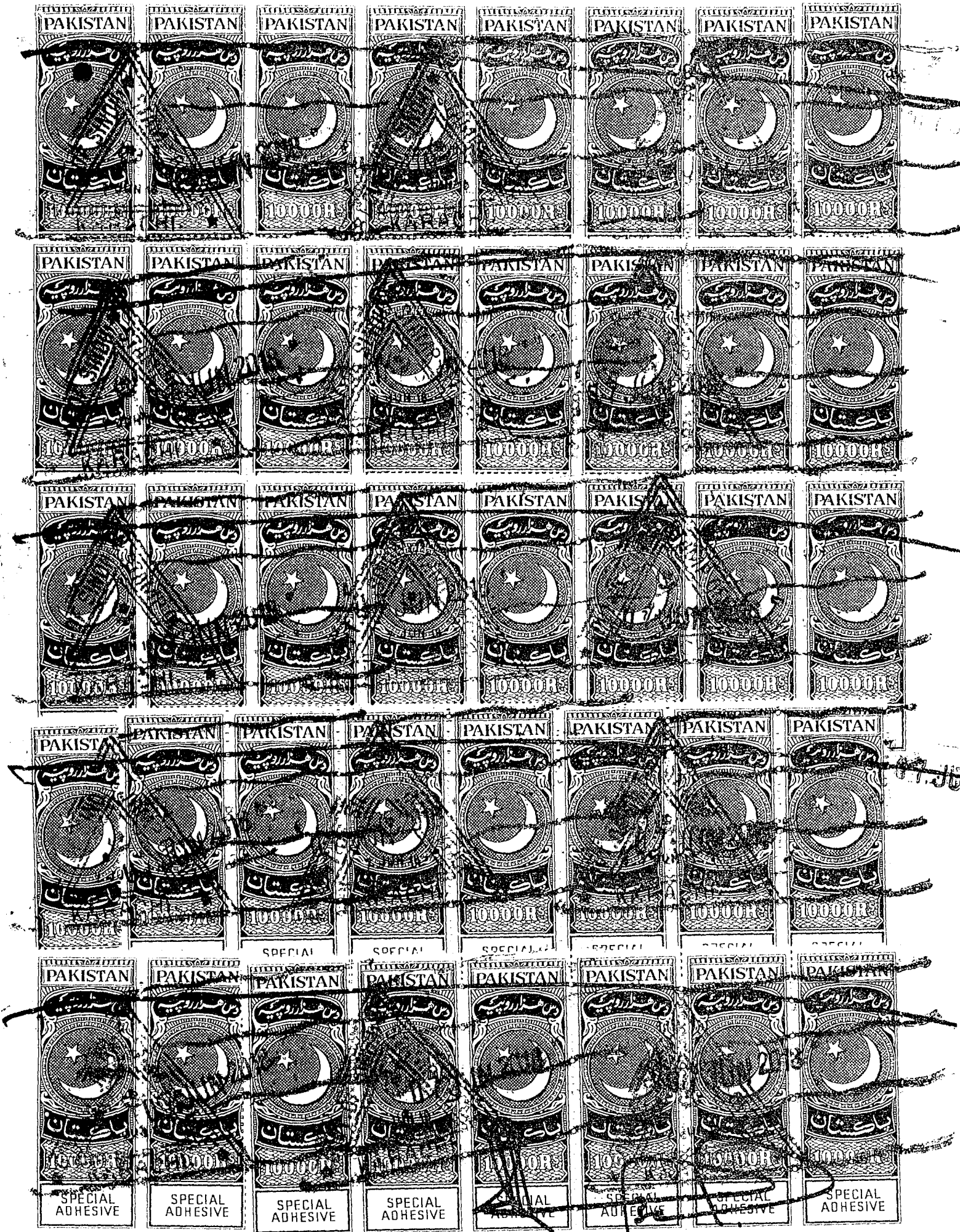
1440
110

Wahid S. Khan

GOVT. OF SINDH

11/6/2018

8



10000/- 480
40
520

000

7.6.10



Laying of 72" dia Mild steel pipe (rising main) from Charo Pumping station to High point (forebay) package



GOVT. OF

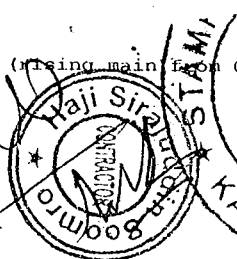
KARACHI

2.6.18

GLOBAL P&E JO
Executive Engineer
Mgd. Project
K&W&SB



Laying of 72" dia Mild steel pipe (rising main) from Ghara Pumping station to High point (fore Bay) package # 03



GOVT. OF SINDH
IQBAL RAHEEM
Executive Engineer
Addl. 65 M. Project
KW&SB

7.6.18

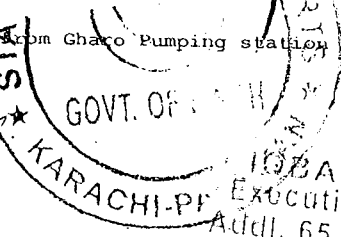
4/6/2018



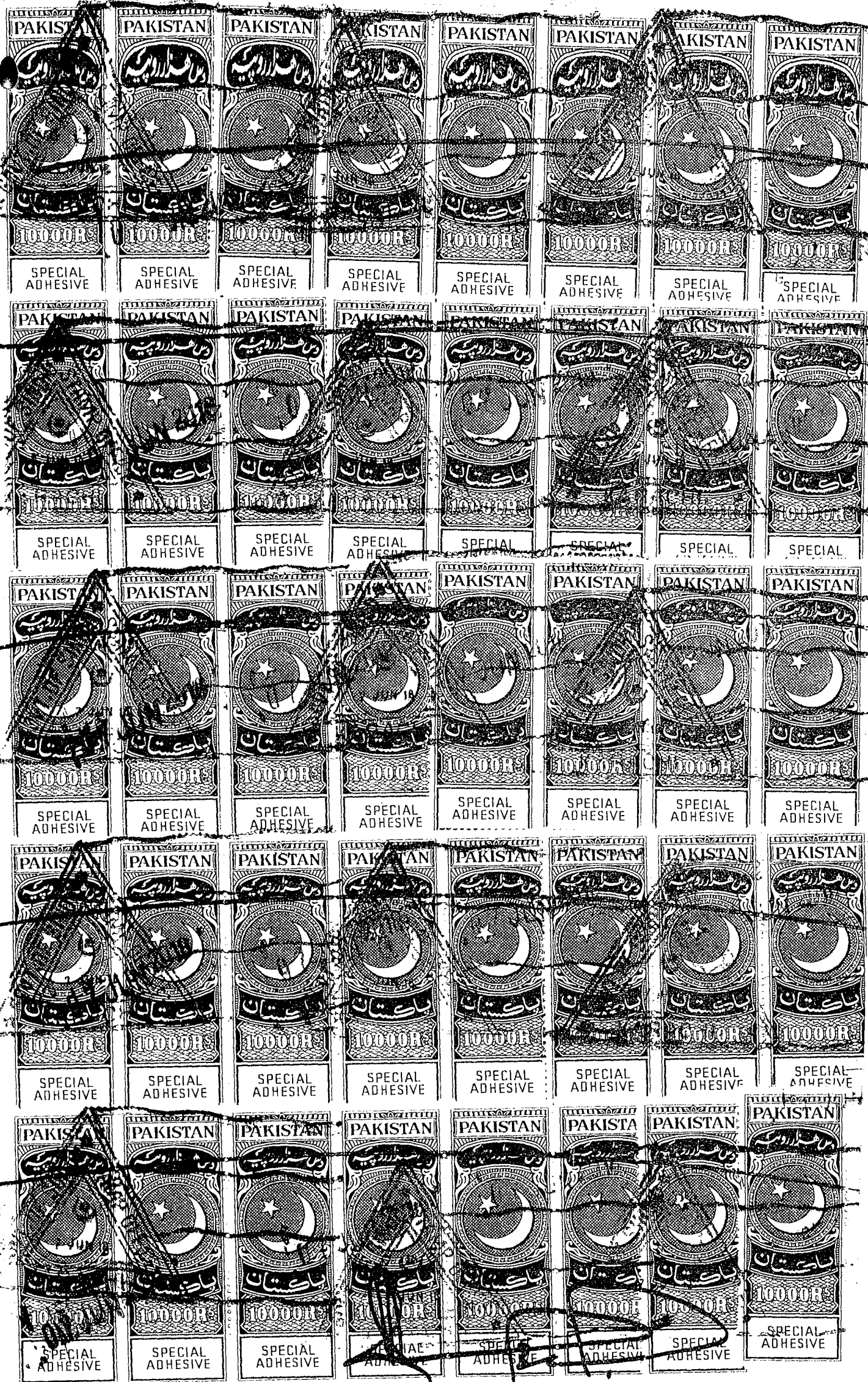
2.6.10

Laying of 12" dia Mild steel pipe (rising main) from Ghara Pumping station to High point (forebay) package # 03

10000-600
40
640



Executive Engineer
Addl. 65 Mgd. Project
KW&SB



Laying of 72" dia Mild steel pipe (rising main from station to High point (Fore Bay) package # 03

6000
640
40
600

GOVT. OF SINDH
KARACHI-PAKISTAN
SPECIAL ADHESIVE
Addl. 65 Mgd. Project
KW&SB

2.6.18

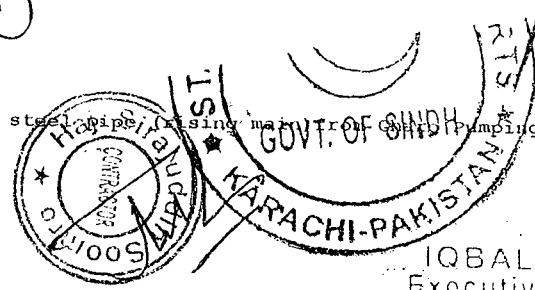
2/6/18



10000 / 6000
720
W

7.6.18

Laying of 72" dia Mild steel pipe, using material from the pumping station to High point (forebay) package # 03



IOBAL RAO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

✓ 1/6/20



10000 / 720
760

7-6-10

5/6/2011

Laying of 72" dia Mild steel pipe (rising main) from Charo Pumping station to High point (foreBay) package # 03



GOVT. OF SINDH

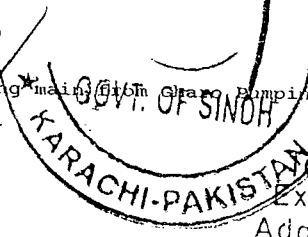
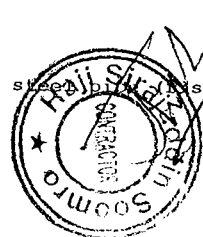
KARACHI-PAKISTAN

QBAL SAEJO
Executive Engineer
di. 65 Mgd. Project
KW&SB



3.6.18

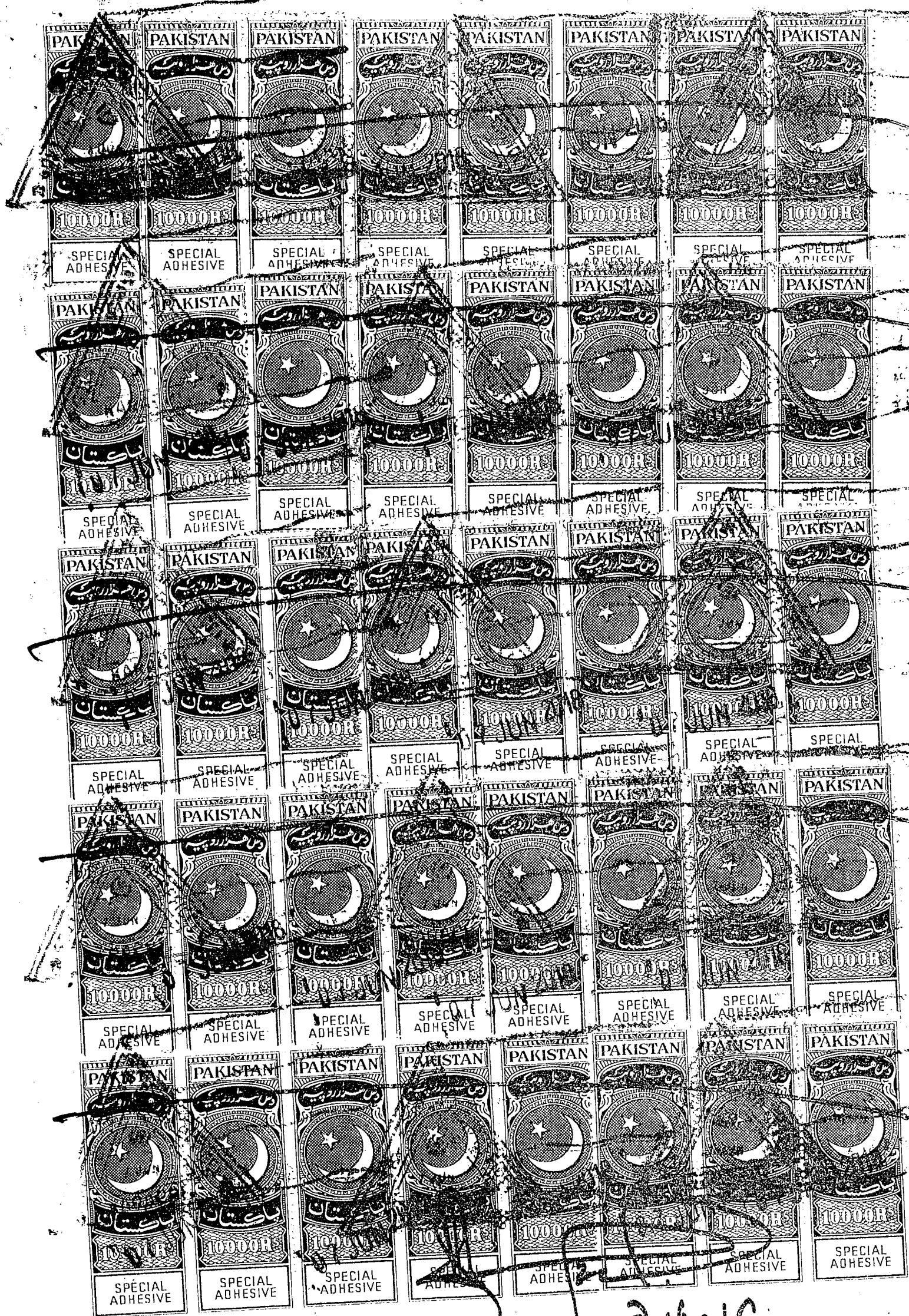
10000/760
800/



BALEJO
Executive Engineer
Addl. 65 Mgs Project
KW&SB

167204

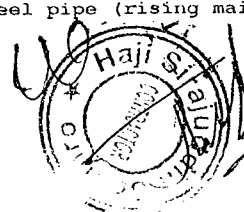
Laying of 72" dia Mild steel pipe, rising main from Ganga Pumping station to High point (forebay) package # 03



2.6.17

Laying of 72" dia Mild steel pipe (rising main) from Charo Pumping station to High point (fore Bay) package # 03

10000/-
800
840



GOVT. OF SINDH
KARACHI-PAKISTAN
LOCAL PALEO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

4/6/2017



10000/ 840
32
875

2.6.18

[Handwritten signature]

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

Laying of 72" dia Mild steel pipe (rising main) from Charo Pumping station to High point (Fore Bay) package # 03



✓ 12/2/18

1. NAME _____
2. DATE _____
3. TIME _____
4. LOCATION _____
5. REASON _____
6. WITNESSES _____
7. SIGNATURE _____
8. DATE _____
9. TIME _____
10. LOCATION _____
11. REASON _____
12. WITNESSES _____
13. SIGNATURE _____
14. DATE _____
15. TIME _____
16. LOCATION _____
17. REASON _____
18. WITNESSES _____
19. SIGNATURE _____
20. DATE _____
21. TIME _____
22. LOCATION _____
23. REASON _____
24. WITNESSES _____
25. SIGNATURE _____
26. DATE _____
27. TIME _____
28. LOCATION _____
29. REASON _____
30. WITNESSES _____
31. SIGNATURE _____
32. DATE _____
33. TIME _____
34. LOCATION _____
35. REASON _____
36. WITNESSES _____
37. SIGNATURE _____
38. DATE _____
39. TIME _____
40. LOCATION _____
41. REASON _____
42. WITNESSES _____
43. SIGNATURE _____
44. DATE _____
45. TIME _____
46. LOCATION _____
47. REASON _____
48. WITNESSES _____
49. SIGNATURE _____
50. DATE _____
51. TIME _____
52. LOCATION _____
53. REASON _____
54. WITNESSES _____
55. SIGNATURE _____
56. DATE _____
57. TIME _____
58. LOCATION _____
59. REASON _____
60. WITNESSES _____
61. SIGNATURE _____
62. DATE _____
63. TIME _____
64. LOCATION _____
65. REASON _____
66. WITNESSES _____
67. SIGNATURE _____
68. DATE _____
69. TIME _____
70. LOCATION _____
71. REASON _____
72. WITNESSES _____
73. SIGNATURE _____
74. DATE _____
75. TIME _____
76. LOCATION _____
77. REASON _____
78. WITNESSES _____
79. SIGNATURE _____
80. DATE _____
81. TIME _____
82. LOCATION _____
83. REASON _____
84. WITNESSES _____
85. SIGNATURE _____
86. DATE _____
87. TIME _____
88. LOCATION _____
89. REASON _____
90. WITNESSES _____
91. SIGNATURE _____
92. DATE _____
93. TIME _____
94. LOCATION _____
95. REASON _____
96. WITNESSES _____
97. SIGNATURE _____
98. DATE _____
99. TIME _____
100. LOCATION _____
101. REASON _____
102. WITNESSES _____
103. SIGNATURE _____
104. DATE _____
105. TIME _____
106. LOCATION _____
107. REASON _____
108. WITNESSES _____
109. SIGNATURE _____
110. DATE _____
111. TIME _____
112. LOCATION _____
113. REASON _____
114. WITNESSES _____
115. SIGNATURE _____
116. DATE _____
117. TIME _____
118. LOCATION _____
119. REASON _____
120. WITNESSES _____
121. SIGNATURE _____
122. DATE _____
123. TIME _____
124. LOCATION _____
125. REASON _____
126. WITNESSES _____
127. SIGNATURE _____
128. DATE _____
129. TIME _____
130. LOCATION _____
131. REASON _____
132. WITNESSES _____
133. SIGNATURE _____
134. DATE _____
135. TIME _____
136. LOCATION _____
137. REASON _____
138. WITNESSES _____
139. SIGNATURE _____
140. DATE _____
141. TIME _____
142. LOCATION _____
143. REASON _____
144. WITNESSES _____
145. SIGNATURE _____
146. DATE _____
147. TIME _____
148. LOCATION _____
149. REASON _____
150. WITNESSES _____
151. SIGNATURE _____
152. DATE _____
153. TIME _____
154. LOCATION _____
155. REASON _____
156. WITNESSES _____
157. SIGNATURE _____
158. DATE _____
159. TIME _____
160. LOCATION _____
161. REASON _____
162. WITNESSES _____
163. SIGNATURE _____
164. DATE _____
165. TIME _____
166. LOCATION _____
167. REASON _____
168. WITNESSES _____
169. SIGNATURE _____
170. DATE _____
171. TIME _____
172. LOCATION _____
173. REASON _____
174. WITNESSES _____
175. SIGNATURE _____
176. DATE _____
177. TIME _____
178. LOCATION _____
179. REASON _____
180. WITNESSES _____
181. SIGNATURE _____
182. DATE _____
183. TIME _____
184. LOCATION _____
185. REASON _____
186. WITNESSES _____
187. SIGNATURE _____
188. DATE _____
189. TIME _____
190. LOCATION _____
191. REASON _____
192. WITNESSES _____
193. SIGNATURE _____
194. DATE _____
195. TIME _____
196. LOCATION _____
197. REASON _____
198. WITNESSES _____
199. SIGNATURE _____
200. DATE _____
201. TIME _____
202. LOCATION _____
203. REASON _____
204. WITNESSES _____
205. SIGNATURE _____
206. DATE _____
207. TIME _____
208. LOCATION _____
209. REASON _____
210. WITNESSES _____
211. SIGNATURE _____
212. DATE _____
213. TIME _____
214. LOCATION _____
215. REASON _____
216. WITNESSES _____
217. SIGNATURE _____
218. DATE _____
219. TIME _____
220. LOCATION _____
221. REASON _____
222. WITNESSES _____
223. SIGNATURE _____
224. DATE _____
225. TIME _____
226. LOCATION _____
227. REASON _____
228. WITNESSES _____
229. SIGNATURE _____
230. DATE _____
231. TIME _____
232. LOCATION _____
233. REASON _____
234. WITNESSES _____
235. SIGNATURE _____
236. DATE _____
237. TIME _____
238. LOCATION _____
239. REASON _____
240. WITNESSES _____
241. SIGNATURE _____
242. DATE _____
243. TIME _____
244. LOCATION _____
245. REASON _____
246. WITNESSES _____
247. SIGNATURE _____
248. DATE _____
249. TIME _____
250. LOCATION _____
251. REASON _____
252. WITNESSES _____
253. SIGNATURE _____
254. DATE _____
255. TIME _____
256. LOCATION _____
257. REASON _____
258. WITNESSES _____
259. SIGNATURE _____
260. DATE _____
261. TIME _____
262. LOCATION _____
263. REASON _____
264. WITNESSES _____
265. SIGNATURE _____
266.



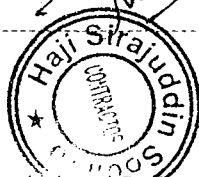
* KASHEE RAZA SHAMJI VEDHAR
 Licence No. 72 G-14 SHAMJI DAMES
 1955-1956
 S.No. 68356 Date
 Issued to your Address
 Through your Address
 Purpose
 Value Rs. 100/- Attached
 Stamp Vendors Signature
 (NOT USE FOR FREE WILL & DIVORCE PURPOSE)

OFFICE SUPERINTENDENT
Stamp Office, Court
Xanthopoulos

07 JUN 2018

$$\begin{array}{r} 10000 \cdot 872 \\ 13 \\ \hline 885 \end{array}$$

(Seal)



Witness:

Atchamuz

Misra, Jme. Hassan P.D.
Soomro House, 152-G Block-2
P.E.C.H.S. Karachi



Signature of Employer

(Sw) [illegible] Director
[illegible] KW&SB

Witness:

Witness: M. J. R. 8/6/2018

(Name, Title and Address)

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

No. EA/009/21/410/2018

June 08, 2018.

M/s Haji Sirajuddin Soomro.
Plot No X-22, Extension Area, SITE, KOTRI.
Pakistan.
Tel. # +92-223870614 FAX +92-223870606



EA Consulting Pvt Ltd

Project: Addl. 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi.
Subject: Package - 03 "Laying of 72" dia. Mild Steel Pipe Rising Main from Gharo Pumping Station to High Point (Forebay)" Under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Engineer's Written Order to Commence The Works.

Dear Sir;


This in continuation to Client letter of acceptance # KW&SB/PD/65MGD/2018/79 dated May 24, 2018 and signing of the "Contract Agreement" on June 05, 2018, you are hereby given the "Engineers Written Order to Commence of Works" on site under sub-clause 8.1 (Particular Conditions of Contract): which will come in force as mentioned below:

Date of commencement of Contract	June 09, 2018
Laying of 72" dia. Mild Steel Pipe Rising Main from Gharo Pumping Station to High Point (Forebay)" Under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi	18 months from the Date of Commencement of Contract.
Defect Notice Period	365 days (12 months)
Special Provisions - item 2 Engineering Facilities	All facilities shall be made available complete in all respect and ready for use within 15 (fifteen) days following the Order to Commence the works.
Contract Price	Rs.2,528,894,237.00 (Pak Rupees Two Thousand Five Hundred twenty Eight Million, Eight Hundred Ninty Four Thousand Two hundred Thirty seven Only) excluding Provisional Sum of an amount Rs. 10,000,000.00
The Employer	Project Director, (65 MGD Project), Karachi Water & Sewerage Board First Floor, Chairman Secretariat 9th Mile, Karsaz, , Shahr-e-Faisal, Karachi.
The Engineer	M/s EA Consulting (Pvt.) Ltd. Al-9, 15th Lane, Khayaban-e-Hilal, Phase-VII, DHA, Karachi.



Yours Truly,

For EA Consulting (Pvt.) Ltd.


SYED NAVEED SAFDAR
Chief Resident Engineer,
(Director, Public Health Engg. Deptt.)




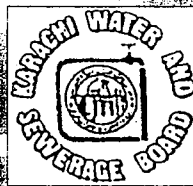
CC. The Project Director, (65MGD Project), KW&SB.
The Project Manager, (65MGD Project), KW&SB
The Deputy Project Manager, (65MGD Project), KW&SB
The Executive Engineer, (65MGD Project), KW&SB

✓ ISO 9001:2015
✓ ISO 14001:2015
✓ OHSAS 18001:2007

ARCHITECTURE
ENGINEERING
PROJECT MANAGEMENT

KARACHI
ISLAMABAD
LAHORE
DUBAI
ABU DHABI
CANADA


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. P. H. Deptt.
KW&SB
Al-9, 15th Lane, Khayaban-e-Hilal, Phase-VII, DHA, Karachi, Pakistan
T: +92 21 111 111 584
F: +92 21 3584 1825
info@eaworld.com
www.eaworld.com



1/3

Original

KARAM WATER & SEWERAGE BOARD

BIDDING DOCUMENTS

FOR

THE

LAYING OF 15" DIA. (15" RISE) RISING MAIN
FROM CHAKO PUMP STATION TO HIGH POINT
(FOREBAY).

Volume-III Bill of Quantities

APRIL 2018

CONSULTANT:



EA Consulting (Pvt.) Limited

(Formerly Engineering Associates)

CONSULTING ENGINEERS, ARCHITECTS, ECONOMISTS & PLANNING EXPERTS

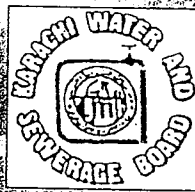
IN ASSOCIATION WITH:



Jers Engineering Consultants

IOBAL PALEJO
Executive Engineer
Addl. 65 Mgd Project
KW&SB





KARACHI WATER & SEWERAGE BOARD

BIDDING DOCUMENTS

FOR

PACKAGE-3

**LAYING OF 72" DIA MILD STEEL PIPE (RISING MAIN)
FROM GHARO PUMPING STATION TO HIGH POINT
(FOREBAY).**

**Volume-III
Bill of Quantities**

APRIL 2018

CONSULTANT:



EA Consulting (Pvt.) Limited

(Formerly Engineering Associates)

CONSULTING ENGINEERS, ARCHITECTS, ECONOMISTS & PLANNING EXPERTS

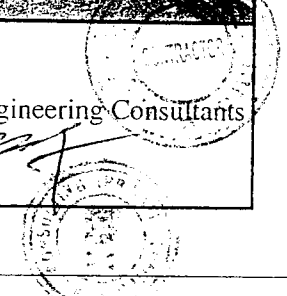
IN ASSOCIATION WITH:



Jers Engineering Consultants

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

Handwritten signature and date: 24/4/18



VENDOR ISSUED
O.M.S. Haji Sirajuddin Soomro
ASSOCIATION / JOINT VENTURE
M/S
PAY ORDER NO. 04732893
DATE 04/04/2018
AMOUNT Rs. 5000/-
Bank Al-Fahibilia
Korangi Road
Signature of Issuing Authority. B. T. Achy

BILL OF QUANTITIES

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

HAJI SIRAJUDDIN SOOMRO

The Project Director (65 MGD),
Karachi Water & Sewerage Board (KW&SB)
First Floor , Chairman Secretariat
9th Mile Karsaz, Shahrah-e- Faisal,
Karachi 74400.

Dated: April 24, 2018

1/3

Project: Additional 65MGD Water Supply Scheme from Haleji to Pipri, Karachi (Package#03). Laying of 72" Dia MS Pipe (Rising Main) From Gharo to Pumping Station to High Point (Forebay)

Subject: Letter of Discount


Dear Sir,


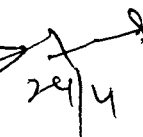
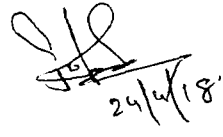



We are pleased to offer a discount of 10.8% on our original bid value. After deduction of 10.8% amount from our original bid value, the amount of bid value is Rs. 2,528,894,237 (Rupees Two Billion Five Hundred Twenty Eight Million Eight Hundred Ninety Four Thousand Two Hundred Thirty Seven Only).


Assuring our best services at all time.

Thanking You,

For & On Behalf of
Haji Sirajuddin Soomro.


(Mirza Ibne Hassan)
Director Projects



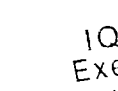


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI,
KARACHI

LAYING OF 72" DIA M.S PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)

GRAND SUMMARY

Bill No.	DESCRIPTION	AMOUNT	AMOUNT
		(Rs)	IN WORDS
	PACKAGE - 3		
1	PIPE & CHAMBER WORKS	2,664,852,300.00	Two Billion Six Hundred Sixty Four Million Eight Hundred Fifty Two Thousand Three Hundred only
2	FOREBAY CHAMBER	39,383,337.00	Thirty Nine Million Three Hundred Eighty Three Thousand Three Hundred Thirtyseven only.
3	ENGINEER'S OFFICE BLOCK AT KWSB	120,847,588.00	One Hundred Twenty Million Eight Hundred Forty Seven Thousand Five Hundred Eighty Eight only
	SUB TOTAL AMOUNT	2,825,083,225.00	Two Billion Eight Hundred Twenty Five Million Eighty Three Thousand Two Hundred and Twenty five only
4	PROVISIONAL SUM	10,000,000.00	
	GRAND TOTAL AMOUNT	2,835,083,225.00	Two Billion Eight Hundred Thirty Five Million Eighty Three Thousand Two Hundred and Twenty five only.

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI								
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)								
PIPE LINE & CHAMBER WORKS								
BILL OF QUANTITIES								
S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
	All items under this head to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.							
1	JUNGLE CLEARANCE Jungle clearance and removing etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer.							Four Million one Hundred Eighty Six Thousand Three Hundred Fifty only
1.1	For Pipe Works		46,515.00	Sq.m	90.00	Ninety only	4,186,350.00	
2	EXCAVATION Excavation including dewatering from NGU/FRL up to the required level for trenches, tanks (rectangular, square & circular) and where required etc for all kind of soil (soft, silty, clayey silt, sandy, gravel etc including shoring, dressing, leveling, compacting & back filling the excavated suitable earth including breaking clods, watering, consolidation by ramming in layers not exceeding 6 inches in depth. Excavated earth stacking at appropriate suitable place, carting away surplus earth to dispose off at locations approved by the local authorities/The Engineer etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer.							Four Million Two Hundred and seventy Nine Thousand one Hundred and seventy only
2.1	From ± 0.00 to 1.5m		10,437.00	Cu.m	410.00	Four Hundred Ten only	4,279,170.00	
	For Pipe Works							
2.2	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches and pits and other structure.							Five Million Six Hundred and Ninety Eight Thousand Four Hundred and Fifty only
2.2.1	From 1.5m to 3.0m		10,361.00	Cu.m	550.00	Five Hundred Fifty only	5,698,550.00	
2.2.2	From 3.0m to 4.5m		9,165.00	Cu.m	860.00	Eight Hundred Sixty only	7,881,900.00	
2.2.3	From 4.5m to 6.0m		4,294.00	Cu.m	950.00	Nine Hundred Fifty only	4,079,300.00	
2.2.4	From 6.0m to 7.5m		1,614.00	Cu.m	1250.00	Twelve Hundred Fifty only	2,017,500.00	
2.2.5	From 7.5m to 9.0m		559.00	Cu.m	1564.00	Fifteen Hundred Sixty four only	874,276.00	
2.2.6	From 9.0m to 10.5m		166.00	Cu.m	1766.00	Seventeen Hundred Sixty six only	293,196.00	
2.2.7	From 10.5m to 12.0m		31.00	Cu.m	1773.00	Seventeen Hundred Seventy three only	54,963.00	

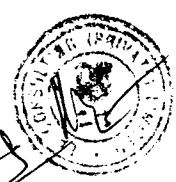
24/4/18

24,355,205.00

IOBAY PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

Page No 1 of 6

IOBAY PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

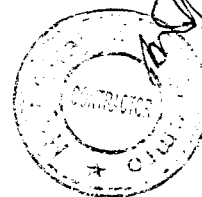


ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI								
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)								
PIPE LINE & CHAMBER WORKS								
BILL OF QUANTITIES								
S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
3	Excavation including dewatering from NGU/FRL up to the required level for trenches, tanks (rectangular, square & circular) and where required etc for all kind of rock (hard, soft etc including shoring, dressing, leveling, compacting & back filling the excavated suitable earth including breaking clods, watering, consolidation by ramming in layers not exceeding 6 inches in depth. Excavated earth stacking at appropriate suitable place, carting away surplus earth to dispose off at locations approved by the local authorities/The Engineer etc, complete in all respects as per drawing, standard specifications and direction of the Engineer.							Thirty Nine Million Six Hundred Sixty Thousand Six Hundred Only
3.1	From ± 0.00 to 1.5m For Pipe Works		41,748.00	Cu.m	950.00	Nine Hundred Fifty Only	39,660,600/-	
3.2	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches and pits and other structure.					One Thousand One Hundred Fifty Only		Forty seven Million Six Hundred Forty seven Thousand One Hundred Fifty Only
3.3.1	From 1.5m to 3.0m		41,441.00	Cu.m	1,150.00	One Thousand One Hundred Fifty Only	47,657,150/-	
3.3.2	From 3.0m to 4.5m		36,659.00	Cu.m	1,650.00	Sixteen Hundred Fifty Only	60,487,350/-	Sixty Million Four hundred Eighty seven Thousand Three Hundred Fifty Only
3.3.3	From 4.5m to 6.0m		17,175.00	Cu.m	1,924.00	Nineteen Hundred Twenty Four Only	33,044,700/-	Thirty Three Million Four hundred Forty four Thousand Seven Hundred Only
3.3.4	From 6.0m to 7.5m		6,454.00	Cu.m	2,116.00	Two Thousand One Hundred Sixteen Only	13,656,664/-	Thirteen Million Six hundred Fifty six Thousand Six hundred Sixty Four Only
3.3.5	From 7.5m to 9.0m		2,236.00	Cu.m	2,935.00	Twenty Nine Hundred Thirty Five Only	6,562,660/-	Six Million Five hundred Sixty two Thousand Six hundred Sixty Only
3.3.6	From 9.0m to 10.5m		663.00	Cu.m	3,261.00	Thirty Two Hundred Sixty One Only	2,162,043/-	Two Million One hundred Sixty two Thousand Four Hundred Three Only
3.3.7	From 10.5m to 12.0m		122.00	Cu.m	3,837.00	Thirty Eight Hundred Thirty Seven Only	468,353/-	Four Hundred Sixty Eight Thousand Three Hundred Fifty Three Only

IBBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



IBBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



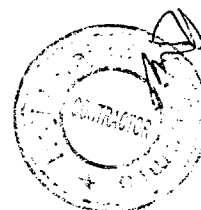
220,054,735.00

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI								
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)								
PIPE LINE & CHAMBER WORKS								
BILL OF QUANTITIES								
S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
4	BACKFILLING & SAND SURROUND PIPE Providing, spreading and compacting earth fill / engineered filling borrow material from approved outside sources including breaking clods, leveling, dressing, watering and consolidating in layers not exceeding 150mm or (6 inches) in depth. Complete including all lead & lifts as per instruction of the Engineer etc., complete in all respects as per drawing, standard, specifications and as directed by the Engineer.							
4.1	For Pipe Works		54,430.00	Cu.m	1,144.00	one thousand one hundred forty four only	62,267,920/=	Sixty Two Million Two Hundred Sixty seven thousand nine hundred twenty only
5	CEMENT CONCRETE Providing and laying plain cement concrete using SR cement, 1 inch and down gauge crushed stone and screened sand, of approved quarry. Concrete having preliminary cylindrical crushing strength as per drawings including the cost of fixing & removing of form work, leveling, compacting and curing etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer.							
5.1	For Pipe Works (1500Psi)		500.00	Cu.m	10,527.00	Ten thousand five hundred twenty seven only	5,263,500/=	Five Million Two Hundred Sixty three thousand five hundred only
SUB TOTAL AMOUNT (PART -A)							300,586,150/=	Three hundred million five hundred eighty six thousand one hundred fifty only

IBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



IBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI

LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)

PIPE LINE & CHAMBER WORKS

BILL OF QUANTITIES

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
6	PIPE WORKS M.S PIPE Manufacturing, supplying, laying, jointing, testing, disinfection & commissioning of Black steel M.S Pipe made out of M.S sheet confirming to API 5L grade X 42 (Spirally Welded) with ERW & Externally asphalt coated with fiber glass 5 mm thick & internally CC Lining 8mm thick as per American Water Works Association (AWWA) Specification i/c jointing with welding in trenches i/c cost of all fittings, bend, Equal tee, unequal tee of any degree & reducer (if required) and testing with water specified pressure for different dia of pipes as below. complete in all respect as per drawings, specifications and as directed by the Engineer/Incharge.					one Hundred Ninety seven Thousand only Twenty Eight Thousand Four hundred Sixty Two only		Two Billion one Hundred Eighty Two Million seven Hundred Sixty Thousand only Five Hundred Sixty Nine Thousand Two Hundred Forty only
6.1	1824mm (72") O.D x 12 mm WT		11,080.00	R.m	197,000/=		2,182,760,000/=	Twenty Two Million
6.2	316mm (12") O.D x 8 mm WT		20.00	R.m	28,462/=		569,240/=	Eight Hundred Forty Two Thousand only
7	PUDDLE FLANGE (M.S) Providing and fixing M.s puddle flange of the following diameters, complete in all respect as per drawing and as directed by the engineer.					Five Hundred Forty Three Thousand Four hundred Ninety Four only		Five Hundred Forty Three Thousand Four hundred Ninety Four only
7.1	For Butterfly & Air Release Chamber (1824mm O.D Dia)	21	2.00	No	543,495/=	Eighty Four Thousand Eight Hundred Ninety Four only	22,826,790/=	Eighty Four Thousand Eight Hundred Ninety Four only
7.2	For Washout, Air Release Chamber (316mm O.D Dia)	3	2.00	No	85,815/=	Eight Thousand Five Hundred Eighty Five only	514,890/=	Eight Thousand Five Hundred Eighty Five only
8	BUTTERFLY VALVES Providing, Fixing, testing & commissioning of Ductile Iron Body Butterfly Valve with Flange End as per Design Standard BS 5155 in compliance with DIN 3202/API 594 having Nominal Pressure PN-16 Class 150 S.S Disc Gear operated & Galvanized Steel Bolts & Nuts including cost of Rubber Gas Kit/ Rubber packing & Labour complete in all respect as per specifications & as directed by the Engineer/Incharge.					Fifteen Million only one Million Seven Hundred Thousand only		Forty Five Million only Twenty seven Million only
8.1	1824 mm O.D (PN-16)	3	1.00	No	15,000,000/=		45,000,000/=	
8.2	316 mm O.D (PN-16)	18	1.00	No	1,500,000/=		27,000,000/=	
9	AIR RELEASE VALVE Supplying, installing, jointing and fixing D.I Air Valve (Double acting) with SS ball heavy duty pattern of approved manufacturer's specification (test pressure) as per standard including 50mm dia isolating flanged gate valve etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.					Two hundred Eighty Six Thousand only		Five Million one Hundred Forty Eight Thousand only
9.1	300 mm (PN-16)	18	1.00	No	286,000/=		5,148,000/=	

22/11/18

Signature

Signature

Signature



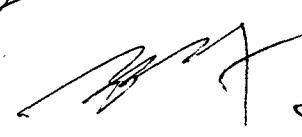


GLOBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



Page No 006
GLOBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI								
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)								
PIPE LINE & CHAMBER WORKS								
BILL OF QUANTITIES								
S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
10	WASHOUT VALVE Providing, fixing, jointing and testing of Butterfly valve of approved quality, including nut, bolts, gasket and washers etc. Complete in all respect as per drawing and specifications and as directed by the Engineer.					one Million one Hundred Forty Five Thousand Only		Three Million Four Hundred Thirty Five Thousand Only
10.1	300 mm (PN-16)	3	1.00	No	1,145,000/-		3,435,000/-	
11	M.S FLANGE Providing & Fixing M.S Flanges-EN 1092/BS4504 Raised face having Nominal Pressure PN-16 & Standard Thickness including the cost of fabrication, fixing, jointing, also including nuts, bolts, washers, rubber packing, etc complete in all respect as per specifications & all work to the entire satisfaction of the Engineer/Incharge.					Four hundred Seventy Seven Thousand Seven Hundred Fifty Only		Two Million Eight Hundred Twenty Thousand Five Hundred Only
11.1	1824 mm I.D (PN-16)	3	2.00	No	476,750/-		2,860,500/-	Three Million Six Hundred Forty Thousand Five Hundred Only
11.2	316 mm I.D (PN-16)	21	2.00	No	85,815/-		3,604,230/-	Three Million Six Hundred Forty Thousand Five Hundred Only
12	R.C.C VALVE CHAMBER Construction and making of RCC Valve chamber of inside dimensions as mentioned below and depth mentioned in drawings for wash out, Butterfly valve and air valve of approved design, all works comprising of (Excavation back filling and disposal of surplus earth with dewatering, Pcc concrete, RCC bottom & top slab, walls, c.c benching complete with curing and finishing, providing and fixing MS foot rest (rungs) as shown on drawings, Including cost of Reinforcement bars, Fair face Steel form work, Precast R.C.C Cover and Plank as shown in drawing and epoxy coating on outer surface up to substructure level, uPvc Sump Pipe, C.I Vent pipe, 300mm dia M.s Pipe, End Cap etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.					Five hundred Seventy Two Thousand Only Six hundred Sixty Seven Thousand Five Hundred Only Six hundred Sixty Seven Thousand Five Hundred Only		One Million seven Hundred Sixteen Thousand Only Twelve Million Fourteen Thousand Only Two Million Two Thousand Five Hundred Only
12.1	For Washout Valve size of (1500 mm x 1500 mm)	3.00	1.00	No	572,000/-		1,716,000/-	
12.2	For Air Release Valve size of (4000 mm x 4000 mm)	18.00	1.00	No	667,500/-		12,015,000/-	
12.3	For Butterfly Valve size of (4000 mm x 4000 mm)	3.00	1.00	No	667,500/-		2,002,500/-	









IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

24/11/18

Page No 5

IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI								
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)								
PIPE LINE & CHAMBER WORKS								
BILL OF QUANTITIES								
S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
13	THRUST BORING Making, providing, applying and installing in position thrust Boring for pipe line across the roads / existing pipe line horizontally, vertically and inclined operated by manually/automatically at required depth complete arrangement for protection and supporting of pipe sleeves, damages and disposal of excavated/boring debris out side the construction limit area i/c sleeves etc. Proper arrangement for protection of existing utilities, complete in all respect as per drawing and specification and as directed by the Engineer.							
13.1	1824 mm O.D	1	60.00	R.m	850000/-	Eight Hundred Fifty Thousand Only	51,000,000/-	Fifty one Million Only
14	REINSTATEMENT OF ROAD Making, providing, laying, finishing and compacting, Reinstatements for works cross the road utilities of required depth, including disposal of excavated/boring stuff out side the construction area, reinstatement as per requirements and satisfaction of the client/engineer, etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. (Provisional)							
14.1			1,000.00	Sqm	3814/-	Three Thousand Eight hundred Fourteen Only	3,814,000/-	Three Million Eight Hundred Fourteen Thousand Only
SUB TOTAL AMOUNT (PART -B)							2,364,266,150/-	Two Billion Three Hundred Fourty Four Million Two Hundred Sixty Six Thousand One Hundred Fifty Only
TOTAL AMOUNT (PART -A+B) CARRIED TO GRAND SUMMARY							2,664,852,300/-	Two Billion Six Hundred Sixty Four Million Eight Hundred Fifty Two Thousand Three Hundred Only

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI								
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)								
FOREBAY CHAMBER								
BILL OF QUANTITIES								
S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
	All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.							
1	EXCAVATION Excavation including dewatering from NGL/FRL up to the required level for trenches, tanks (rectangular, square & circular) and where required etc for all kind of soil (soft, silty, clayey silt, sandy, gravel etc including shoring, dressing, leveling, compacting & back filling the excavated suitable earth including breaking clods, watering, consolidation by ramming in layers not exceeding 6 inches in depth. Excavated earth stacking at appropriate suitable place, carting away surplus earth to dispose off at locations approved by the local authorities/The Engineer etc, complete in all respects as per drawing, standard specifications and direction of the Engineer.							
1.1	From ± 0.00 to 1.5m							
1.1.1	For Forebay Chamber		85.70	Cu.m	381/=	Threethousand Eighty one only	32,652/=	Thirty Two Thousand Six hundred Fifty two only
1.1.2	For Outlet Chamber		0.80	Cu.m	572/=	Five hundred seventy two	458/=	Four Hundred Fifty eight only
1.1.3	For Stairs		1.40	Cu.m	477/=	Four hundred seventy seven	668/=	Six hundred sixty eight only
	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches and pits and other structures.						11,902.44	
1.2	From 1.5m to 3.0m							
1.2.1	For Forebay Chamber		85.70	Cu.m	572/=	Five hundred seventy two	49,020/=	Forty Nine Thousand Twenty only
1.2.2	For Outlet Chamber		0.80	Cu.m	858/=	Eight hundred fifty eight	686/=	Six Hundred Eighty six
1.2.3	For Stairs		0.50	Cu.m	572/=	Five hundred seventy two	286/=	Two Hundred Eighty six
1.3	From 3.0m to 4.5m							
1.3.1	For Forebay Chamber		85.70	Cu.m	763/=	Seven hundred sixty three	65,389/=	Sixty Five Thousand Three hundred eighty nine
1.3.2	For Outlet Chamber		0.80	Cu.m	954/=	Nine hundred fifty four	763/=	Seven Hundred sixty three
1.4	From 4.5m to 6.0m							
1.4.1	For Forebay Chamber		45.70	Cu.m	1,144/=	Eleven hundred forty four	52,281/=	Fifty Two Thousand Two hundred eighty one
1.4.2	For Outlet Chamber		0.30	Cu.m	1907/=	Nineteen hundred seven	572/=	Five Hundred seventy two only

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI								
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)								
FOREBAY CHAMBER								
BILL OF QUANTITIES								
S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
2	Excavation including dewatering from NGL/FRL up to the required level for trenches, tanks (rectangular, square & circular) and where required etc for all kind of rock (hard, soft)etc including shoring, dressing, leveling, compacting & back filling the excavated suitable earth including breaking clods, watering, consolidation by ramming in layers not exceeding 6 inches in depth. Excavated earth stacking at appropriate suitable place, carting away surplus earth to dispose off at locations approved by the local authorities/The Engineer etc, complete in all respects as per drawing, standard specifications and direction of the Engineer.							
2.1	From ± 0.00 to 1.5m					Five hundred Seventy Two		Four hundred Forty one Thousand Seven Hundred Eighty Four only
2.1.1	For Forebay Chamber		772.00	Cu.m	572/=	Five hundred Seventy Two	441,584/=	Four hundred Forty one Thousand Seven Hundred Eighty Four only
2.1.2	For Outlet Chamber		8.00	Cu.m	572/=	Four hundred Seventy Seven	4576/=	Four thousand Five hundred Seventy Six only
2.1.3	For Stairs		13.00	Cu.m	477/=		6201/=	Six Thousand Two hundred One only
	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches and pits and other structures.							
2.2	From 1.5m to 3.0m					Five hundred Seventy Two		Four hundred Forty one Thousand Seven Hundred Eighty Four only
2.2.1	For Forebay Chamber		772.00	Cu.m	572/=	Eight Hundred Forty Eight	441,584/=	Four hundred Forty one Thousand Seven Hundred Eighty Four only
2.2.2	For Outlet Chamber		8.00	Cu.m	353/=	Two hundred Eighty Two	6864/=	Six thousand Eight hundred Sixty Four only
2.2.3	For Stairs		4.00	Cu.m	572/=	Two hundred Eighty Two	2,288/=	Two thousand Two hundred Eighty Eight only
2.3	From 3.0m to 4.5m					Five hundred Seventy Two		Four hundred Forty one Thousand Seven Hundred Eighty Four only
2.3.1	For Forebay Chamber		772.00	Cu.m	763/=	Five hundred Seventy Two	589,036/=	Five hundred Eighty nine Thousand Three hundred Sixty Six only
2.3.2	For Outlet Chamber		8.00	Cu.m	954/=	Five hundred Seventy Two	7,632/=	Seven thousand Six hundred Thirty Two only
2.4	From 4.5m to 6.0m					Five hundred Seventy Two		Four hundred Forty one Thousand Seven Hundred Eighty Four only
2.4.1	For Forebay Chamber		412.00	Cu.m	1144/=	Four hundred Seventy Two	471,328/=	Four hundred Seventy one Thousand Three hundred Twenty Eight only
2.4.2	For Outlet Chamber		3.00	Cu.m	1907/=	Nine hundred Seventy Seven	5721/=	Five thousand Seven hundred Twenty One only

IOBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



IOBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

1,976,814.00

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI								
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)								
FOREBAY CHAMBER								
BILL OF QUANTITIES								
S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
3	CEMENT CONCRETE Providing and laying plain cement concrete using SR cement, 1 inch and down gauge crushed stone and screened sand, of approved quarry. Concrete having preliminary cylindrical crushing strength as per drawings including the cost of fixing & removing of form work, leveling, compacting and curing etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer.							one million Two Hundred Fifty Two Thousand Seven Hundred Thirteen only
3.1	Below foundation, plinth beam, over stone soling or where required (1500Psi)		119	Cu.m	10,527/-	Ten Thousand Five hundred Twenty seven only	1,252,713.00	
4	REINFORCED CEMENT CONCRETE Providing and laying RCC cement concrete with Betocrete G-2000 or approved equivalent (Super plasticizer concrete admixture / retarder mix according to supplier instruction) where required using SR cement & approved quarry of crushed stone 1 inch (25 mm) and down gauge with approved quarry of sand having preliminary cylindrical crushing strength 4000 psi in all Rcc members including water tight form work and its removal, mechanically vibrating, leveling, compacting, construction joints and curing etc, but excluding the cost of reinforcement etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer.							
4.1	Base Slab							Five million Two hundred thirty Eight Thousand one hundred Twenty eight only
4.1.1	For Forebay Chamber		221	Cu.m	23,838/-	Twenty Three Thousand Eight Hundred Thirty eight only	5,268,198/-	
4.1.2	For Outlet Chamber		3	Cu.m	23,838/-	Eight Hundred Twenty three only	71,514/-	
4.1.3	For Stairs		13	Cu.m	23,838/-	Thirteen Thousand Eight Hundred Thirty eight only	309,894/-	
4.2	Walls							Eight million One hundred thirty Eight Thousand one hundred Twenty eight only
4.2.1	For Forebay Chamber		341	Cu.m	23,838/-	Three Hundred Forty one Thousand Eight Hundred Thirty eight only	8,128,758/-	
4.2.2	For Outlet Chamber		16	Cu.m	23,838/-	Sixteen Thousand Eight Hundred Thirty eight only	381,408/-	
4.3	Top Slab							Forty seven Thousand one hundred Twenty eight only
4.3.1	For Outlet Chamber		2	Cu.m	23,838/-	Two Thousand Three Hundred Eighty three only	47,676/-	

IBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

IBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI								
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)								
FOREBAY CHAMBER								
BILL OF QUANTITIES								
S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
5	STEEL REINFORCEMENT Providing, supplying, straightening, cutting, bending, fabricating, placing and installing / binding in position etc., straight or curved deformed steel bar reinforcement having minimum yield strength 414 Mpa (60 ksi or 60,000 Psi), conforming to ASTM A615 including cost of G.I. binding wire 18SWG, chairs, wastages, precast c.c. spacers and welding where required to be followed ASTM A615 standard. Only those overlaps shall be paid which are according to the approved Bar Bending Schedule / shown on drawings or instructed by the Engineer, all kind of R.C.C. work etc. complete in all respects as per drawing, standard specifications and direction of the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).							Ten Million Nine Hundred Fifty Thousand only Six Hundred Thousand only
5.1	For Forebay Chamber		73.00	Ton	150,000/-	one hundred Fifty Thousand only	10,950,000/-	
5.2	For Outlet Chamber		4.00	Ton	150,000/-	one hundred Fifty Thousand only	600,000/-	
6	BITUMEN COATING Providing and applying industrial bitumen paint/coating (Coverage 7 Kg / 10 Sqm) mixed with water component 2 coats on all RCC / CC structural member surfaces contact with earth up to plinth level etc., complete in all respects as per drawing, standard specifications and as directed by the Engineer.							One Hundred Forty Three Thousand Two Hundred Eighty Seven Thousand Four Hundred Thirty Six only
6.1	For Forebay Chamber		501	Sq.m	286/-	Two hundred Eighty Six only	143,286/-	
6.2	For Outlet Chamber		26	Sq.m	286/-	Two hundred Eighty Six only	7,436/-	
7	WATER STOPS Providing and fixing PVC ribbed water stops 12" inches wide x 1/2 inches thick centrally bubble type including cutting, PVC welded jointing etc, all works to be carried out the satisfaction of the Engineer at any height in any floor etc, complete in all respects as per drawing, standard specifications and direction of the Engineer.							Two Million Seven Hundred Eighty Nine Thousand Five Hundred Eighty Three only
7.1	For Forebay Chamber		466	R.m	5721/-	Five Thousand Seven hundred Twenty One only	2,665,986/-	
7.2	For Outlet Chamber		49	R.m	5721/-	Twenty One only	280,329/-	
SUB TOTAL AMOUNT (PART -A)								

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

136/ A: 32,286,777.00

11,607,037.00

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI								
LAYING OF 72" DIA MILD STEEL PIPE RISING MAIN FROM GHARO PUMPING STATION TO HIGH POINT (FOREBAY)								
FOREBAY CHAMBER								
BILL OF QUANTITIES								
S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
8	M.S RAILING FOR STAIRS Providing, fabricating, welding & fixing in position MS railing for staircase or where required comprising of 2" dia MS pipe hand rail, 1-1/2" dia balustrade & 1/2" dia as intermediate rail (Thickness of MS pipe not less than 16 swg) as shown on drawing, including base plate & hold fast, 3/4" dia MS pipe for connecting 2" dia hand rail and all required hard wares etc., including providing & applying 2 coats of anti corrosion paint (Red Oxide) and 03 coats of approved color enamel paint (at any height in any floor) etc. complete in all respect as per drawing, standard, specifications and directed by the Engineer, cifications and directed by the Engineer.							
8.1	For Forebay Chamber		50.0	Rm	6675/=	Six Thousand Six hundred Seventy Five Only	333,750/=	Three Hundred Thirty Three Thousand Seven Hundred Fifty Only
9	FENCING AT WALLS Galvanized Wire Mesh Fence 1500 mm High i/c vertical angle iron post etc. complete in all respect as per drawings, specifications and as directed by the Engineer/Incharge.							
9.1	For Forebay Chamber		100	Rm	7628/=	Seven Thousand Six hundred Twenty Eight Only	762,800/=	Seven Hundred Sixty Two Thousand Eight Hundred Only
10	PENSTOCK GATE Providing, fixing and erection of Penstock Gate below given sizes etc. complete in all respect and all works to the entire satisfaction of the Engineer Incharge.							
10.1	Size (2300 mm x 2300 mm)		1.00	No	6,000,000/-	Six Million Only	6,000,000/-	Six Million Only
SUB TOTAL AMOUNT (PART -B)							7,096,550	
TOTAL AMOUNT (PART -A+B) CARRIED TO GRAND SUMMARY								

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

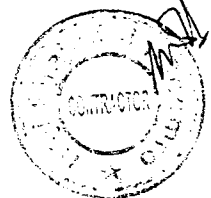


7,096,550.00

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI							
CONSTRUCTION OF ENGINEER'S OFFICE BLOCK AT KW&SB, 9th. MILE, KARSAZ - KARACHI							
BILL OF QUANTITIES							
S.No	DESCRIPTION	QTY	UNIT	RATES (Rs.)	RATE IN WORDS	AMOUNT	AMOUNT (IN WORDS)
	Construction of Engineers office with "A" class finishing complete in all respect as per the approval and instruction of Engineer.						
PART-A							
1	CIVIL WORKS				Nineteen Thousand seven hundred only		Two Million Ninety seven thousand seven hundred only
1.1	BOUNDARY WALL						
1.1.1	Construction of Block masonry Wall	110	R.m	19,070/=		2,097,700/=	
1.2	BUILDING WORKS				Eighty Five thousand Eight hundred and fifteen only		Forty seven million Eight hundred Eighty four thousand seven hundred only
1.2.1	Construction Area of Building (Ground Floor)	558	Sq.m	85,815/=		47,884,770/=	
1.2.2	Construction Area of Building (First Floor)	558	Sq.m	85,815/=		47,884,770/=	
SUB TOTAL AMOUNT (PART - A)						97,867,240/=	Ninety seven million Eight hundred Eighty four thousand seven hundred only
PART-B							
2	ELECTRICAL WORKS, FIXTURES & FITTINGS				Three Thousand Eight hundred and fourteen only		Two Million one hundred Twenty Eight thousand two hundred only
2.1	Area of Building (Ground Floor)	558.00	Sq.m	3814/=		2,128,212/=	
2.2	Area of Building (First Floor)	558.00	Sq.m	3814/=		2,128,212/=	
SUB TOTAL AMOUNT (PART - B)						4,256,424/=	Four million two hundred Twenty eight thousand two hundred only
PART-C							
3	PLUMBING WORKS, FIXTURES & FITTINGS				Three Thousand Eight hundred and fourteen only		Two Million one hundred Twenty Eight thousand two hundred only
3.1	Area of Building (Ground Floor)	558.00	Sq.m	3814/=		2,128,212/=	
3.2	Area of Building (First Floor)	558.00	Sq.m	3814/=		2,128,212/=	
SUB TOTAL AMOUNT (PART - C)						4,256,424/=	Four million two hundred Twenty eight thousand two hundred only
PART-D							
4	MISCELLANEOUS WORKS				Fifty thousand only		One Million Ninety thousand five hundred only
4.1	External Development	130.00	Sq.m	15,000/=		1,950,000/=	
4.2	Paved parking & Garage	550.00	Sq.m	5000/=		2,750,000/=	
4.3	Karachi Bulk Water Supply Network Model from Keenjhar Lake to Karachi		L.S	5,000,000/=		5,000,000/=	
4.4	Multi media System (Hitachi) CP-WU55C0 with screen or Equivalent		L.S	4,767,500/=		4,767,500/=	
SUB TOTAL AMOUNT (PART - D)						14,467,500/=	Fourteen million four hundred Sixty seven thousand five hundred only
TOTAL AMOUNT (PART - A+B+C+D) CARRIED TO GRAND SUMMARY						120,847,588/=	One hundred Twenty million Eight hundred Fourty seven thousand five hundred only

IOBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

IOBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



(B) Minor Deviations

Bids that offer deviations acceptable to the Procuring Agency and which can be assigned a monetary value may be considered substantially responsive at least as to the issue of fairness. This value would however be added as an adjustment for evaluation purposes only during the detailed evaluation process.

- 26.5 If a bid is not substantially responsive, it will be rejected by the procuring agency, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

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.

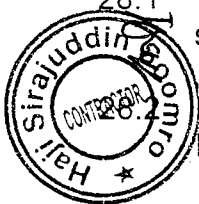
- 27.2 The amount stated in the Form of Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected Bid Price, his Bid will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


IB.28 Financial 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.

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 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.

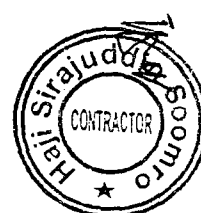



IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project

- 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 procure agency 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.
- 28.5 Bidders may be excluded if involved in "**Corrupt and Fraudulent Practices**" means either one or any combination of the practices given below SPP Rule2 (q);
- (i) "**Coercive Practice**" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
 - (ii) "**Collusive Practice**" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, non competitive levels for any wrongful gain;
 - (iii) "**Corrupt Practice**" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
 - (iv) "**Fraudulent Practice**" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
 - (v) "**Obstructive Practice**" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB




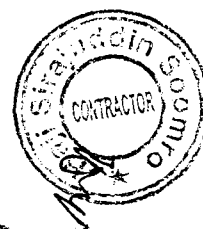


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB


TABLE OF CONTENTS

SPECIAL /PARTICULAR CONDITIONS OF CONTRACT – PART B

Clause	Title
1.1	Definitions
3.1	Engineer's Duties and Authority
4.3	Contractor's Representative
6.10	Records of Contractor's Personnel and equipment
7.9	Use of Pakistani Materials and Services
8.1	Commencement of Works
8.11	Prolonged Suspension
8.3	Programme
13.1	Right to vary
13.3	Variation procedure
13.8	Adjustment for changes in cost
14.1	Contract Price
14.2	Advance Payment
14.5	Plants and Materials intended for Works
14.8	Delayed Payments
15.2	Termination by Employer/Procuring Agency
15.6	Corrupt and fraudulent Practices (Integrity Pact).
16.4	Payment on Termination
17.3	Employer's/Procuring Agency's Risks
18.1	General Requirements for Insurance
19.6	Optional Termination, Payment and release by the Employer
20.1	Contractor's Claims
20.2	Appointment of the Dispute Board / Notification of the Committee
20.3	Failure to agree on the composition of the Dispute Board.
20.4	Obtaining Dispute Board's Decision
20.5	Amicable Settlement.
20.6	Arbitration
20.7	Failure to comply with Dispute Board's Decision
20.8	Expiry of Dispute Board's Appointment




Executive Engineer
Addl. 65 Mgd. Project
KW&SB


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

PART B - SPECIAL /PARTICULAR CONDITIONS OF CONTRACT

1.1	Definitions
1.1.1.4	"Form of Bid" is synonymous with "Letter of Tender".
1.1.1.5	"Bid" is synonymous with "Tender".
1.1.1.8	"The word 'Tender' is synonymous with 'Bid', and the words 'Bidding' with 'Tendering' and the words 'Appendix to Tender' with 'Appendix to Bid' and words 'Tender Documents' with 'Bid Documents'".
1.1.1.11	Insert this Sub Clause "Programme" means the programme to be submitted by the contractor in accordance with Sub-Clause 8.3 and any approved revisions thereto.
1.1.2.2	"Employer" is synonymous with "Procuring Agency" The Employer is: Project Director (Addl 65MGD Project) Karachi Water & Sewerage Board (KW&SB) First floor Chairman Secretariat , 9 th Mile Karsaz, Shahrah-e-Faisal, Karachi. 74400. Tel 021-99245132 Employer's Representative, Project Director (Addl 65MGD Project)
1.1.2.4	The Engineer is: EA Consulting (Pvt) Limited Al-9, 15 th Lane, Khayaban-e-Hilal, Phase VII, DHA Karachi.
1.1.2.9	"DB" is synonymous with "Committee"
1.1.3.7	"Defects Notification Period is synonymous with Defects Liability Period"
Sub-Clause 1.5 Priority of Documents	<i>Replace sequence of priority of documents with the following:</i> (a) the Contract Agreement (if completed), (b) the Letter of Acceptance, (c) the Addenda to Specification, Special Provisions (d) the Tender including Letter of Bid, Appendix to Bid, Annexure, and tables excluding Appendix D Bill of Quantities", (e) the Particular Conditions – Part A, (Appendix A) (f) the Particular Conditions – Part B

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

EA Consulting (Pvt.) Ltd.

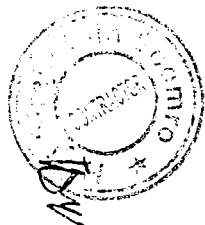
IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

	(g) th (h) th (i) th (j) th (k) Th Ca	Conditions s, tions D, Bill of Quantities and es and any other documents forming part of the
Sub-Clause 1.6 Contract Agreement	Replace	"Employer" with "Contractor" in last line
Sub-Clause 1.15 Inspections and Audit by the Bank	This Sub-Clause is deleted entirely.	
Sub-Clause 2.4 Employer's Financial Arrangements	This Sub-Clause is deleted entirely.	
Sub-Clause 3.1 Engineer's Duties and Authority	<p><i>The following paragraph is added after duties:</i></p> <p>Procuring agency shall ensure that the Engineer's Representative/Staff is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976)</p> <p><i>Replace part of Clause after the sentence "The following provisions shall apply" with following:</i></p> <p>The Engineer shall obtain the specific approval of the Employer before taking action under the following Sub Clauses of these conditions:</p> <ul style="list-style-type: none"> a) Sub-Clauses 1.9, 2.1, 4.7, 4.12, 4.24, 7.4, 8.4, 8.5, 8.9, 10.3, 13.7, and 19.4: Agreeing or determining an extension of time and / or additional cost. b) Approving subletting of any part of the Works under Clause 4.4. c) Sub-Clause 8.8: Instructing suspension of Works; d) Sub-Clause 10.1: Issuing Taking Over Certificate e) Sub-Clause 10.2: Issuing Taking Over Certificates f) Sub-Clause 11.9: Issuing Performance Certificate(s) g) Sub Clause 13.1: Instructing a Variation, except; <ul style="list-style-type: none"> i) in an emergency situation as determined by the Engineer, or ii) if such Variation would increase the Accepted Contract Amount not more than 1% cumulatively of such Amount h) Sub-Clause 13.3: Approving a proposal for Variation submitted by the Contractor in accordance with Sub-Clause 13.1 or 13.2. i) Sub Clause 13.4: Specifying the amount payable in each of the applicable currencies j) Sub-Clause 13.7: Before Adjustment for Changes in Legislation k) Sub-Clause 13.8: Before Adjustment for Changes in Cost 	

Signature
IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB



	<p>1) Sub-Clause 20.1: Approving Claims of the Contractor (Time / Financial) under Clause 20.1 and accepting principles of the Claims</p> <p>Notwithstanding the obligation, as set out above, to obtain approval, if, in the opinion of the Engineer, an emergency occurs affecting the safety of life or of Works or adjoining property, he may, without relieving the Contractor of any of his duties and responsibility 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, despite the absence of approval of the Employer, 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 13 and shall notify the Contractor accordingly, with a copy to the Employer.</p>
Sub-Clause 3.6 Management Meetings	<p><i>Insert this Sub Clause at the end of Clause 3</i></p> <p>"The Engineer or the Contractor's Representative may require the other to attend a management meeting in order to review the progress with reference to the agreed program and arrangements for future works. The Engineer shall record the business of management meetings and supply copies of the record to those attending the meeting and to the Employer. In the record, responsibilities for any actions to be taken shall be in accordance with the Contract".</p>
Sub-Clause 4.1. Contractor's General Obligation	<p><i>Add following at the end of Sub-Clause 4.1:</i></p> <p>The Contractor shall prepare and submit one complete set of "As-Built" Documents on one master CD and two complete sets of print copies of "As-Built" Documents together with the back-up of the quantity calculation to the Engineer within 28 days after the date of taking over by Employer. These "As-Built" Documents shall indicate all approved changes made during construction, superimposed on the original plans / "As-Staked Documents".</p> <p>The final measured quantities for all pay items shall be included on all "As-Built" Documents. These "As-Built" Documents shall be prepared continuously as execution of the Works progresses and shall be submitted to the Engineer for review as sections or parts of the Project are completed. No Taking-Over Certificate for a Sector or the whole of Works shall be issued to the Contractor by the Engineer without the approved "As-Built" Documents. The preparation of the "As-Built" Documents shall be at the expense of the Contractor, payment for which is subsidiary to the pay items of the Contract.</p> <p>The review and approval by the Engineer or by the Employer of the "As-Built" Documents does not relieved the Contractor of any responsibility for and/or liabilities arising out of inaccurate, false or otherwise incorrect "As-Built" Documents prepared and submitted by the Contractor. The approved "As-Built</p>



IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project

KW&SB

EA Consulting (Pvt.) Ltd.

Part-B Page 4 of 21

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

Documents" shall be reproduced by the Contractor in four (4) hard copies and one (1) soft copies and return the same to the Employer.

Shop Drawings. The Contractor shall furnish to the Engineer all Contractor's, and Subcontractor's Shop Drawings. Shop Drawings shall be deemed to include design drawings, fabrication drawings, catalogue cuts, brochures, illustrations, material lists, design calculations, reference standards and performance data which may be required by the specification necessary for the proper execution of the Work, or as otherwise required by the Engineer for assurance that there is intent to meet the requirements of the specifications. All Shop Drawings shall be in English.

The Contractor shall submit all Shop Drawings to the Engineer in the manner hereinafter described, in sufficient time to prevent delays in the delivery of materials or in the progress or completion of the work. Regardless of the source of Shop Drawings, all submissions shall be deemed to be submissions by the Contractor under the Contract.

All Subcontractors' Shop Drawings shall first be sent directly to the Contractor. The Contractor shall thoroughly check all such Shop Drawings for measurements, sizes of members, materials and all other details, to assure him that the Shop Drawings conform to the intent of the Drawings and Specifications.

The Contractor shall return to the Subcontractors for correction, such Shop Drawings that are found inaccurate or otherwise in error. After the Contractor has checked and approved such Shop Drawings he shall place thereon the date of such approval and the legible signature of the checker, and shall then submit them to the Engineer for review. The Engineer may refuse to check or review any Shop Drawings that are not submitted in compliance with the foregoing requirements.

The Contractor shall submit five (5) copies of Shop Drawings plus the number that the Contractor wishes to return for his own and his Subcontractor's use.

For all Equipment, Shop Drawings shall be completed in all respects and shall show clear compliance with the Specifications. Where applicable, performance figures of equipment, finishes and reference to other relevant drawings must be noted on the Shop Drawings. Details of ancillary items being supplied with the particular equipment must be submitted. Piecemeal submissions will not be considered.

Descriptive brochures that are applicable shall be included for information. Any notation on the Shop Drawings which is on the prints and not on the original from which the prints were made



Signature

IQ
Ex
Add

JO
eer
ject



shall be in GREEN INK.

The Engineer will review submitted Shop Drawings within a reasonable time and will return them stamped with "NO COMMENT", "SEE COMMENTS" or "RESUBMIT".

The Engineer may, at his discretion, require an immediate re-submission of Shop Drawings noted "SEE COMMENTS" so that he can make a further review or amendments. Drawings requiring re-submission shall be either amended and re-submitted or shall be superseded by another Shop Drawings. Comments on Shop Drawings are not orders for Extra Work.

Shop Drawings re-submitted for further review will be reviewed for response to previous notations only and the Contractor, by such re-submission shall be held to have represented that such Shop Drawings contain no other alterations, additions or deletions, unless the Contractor (in writing) directs the Engineer specific attention to the same.

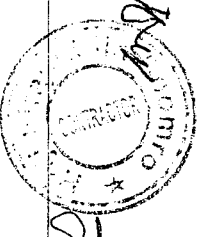
Should the Contractor question, or dissent, from such notations or comments, he shall direct the Engineer's attention to the same for further clarification before re-submitting.

By reviewing Shop Drawings, the Engineer does not assume responsibility for errors or omissions and non-compliance with the Contract requirements. Such errors and omissions must be made good by the Contractor, irrespective, of the receipt, checking, or review of the Shop Drawings by the Engineer and even though the Work is done in accordance with such Shop Drawings.

As-Staked Drawings. "As-Staked" Drawings shall be prepared for the entire project. These drawing shall be submitted to the Employer for review and approval regardless of the nature of the changes in the original design, if there is increase/decrease of more than five percent (5%) in quantities of major items of work and more than ten percent (10%) for minor items of work. Variation Order shall be prepared in accordance with Sub-Clause 13.1.

The preparation of the "As-Staked" drawings and the corresponding back-up calculations must be completed within a reasonable period from the commencement of the project. The plans shall indicate major modifications (i.e. change in road alignment, change in type or main components of structures, introduction of new work items), superimposed on the original plans.

The approved "As-Staked" drawings shall be reproduced (white print) by the Contractor in five (5) copies. The preparation of the "As-Staked" drawings and reproduction cost shall be at the expense of the Contractor, payment for which is subsidiary to the


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



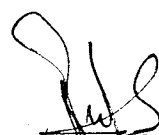
	<p>pay items of the contract.</p> <p>All data pertaining to As-Staked survey shall be jointly signed by the Contractor's and Engineer's representatives.</p> <p>Quality of Plans ("As-Built", "As Staked" and other Drawings for Variation). All sheets of the "As-Built", "As-Staked" and other drawings for Variations should be of uniform size and one (1) standard size (A1) using Mylar or other quality tracing paper. The sheets must be neat and clean and without any crossed-out or voided portion. The title block should be made an integral part of the sheet plans and not merely patched-up.</p> <p>Supplementary Drawings and Instructions. The Engineer shall have the authority to issue to the Contractor from time to time such supplementary drawings and instructions to the proper and adequate execution of the Works and the remedying of any defects therein. The Contractor shall carry out and be bound by the same.</p> <p>The Contractor shall designate an additional set of drawings as "Record Drawings" and keep them to the site.</p> <p>The Contractor shall clearly and neatly mark the Record Drawing in ink to indicate all authorized changes in the work, and also as actually constructed. These additional plans will not change the work of the Contract but will elucidate or explain it.</p>
<p>Sub-Clause 4.2 Performance Security</p>	<p><i>Delete the Clause in entirety and replace with following</i></p> <p>The Contractor shall provide Performance Security to the Procuring agency in the prescribed form. The said Security shall be furnished or caused to be furnished by the contractor within 28 days after the receipt of the Letter of Acceptance. The performance Security shall be of an amount equal to 5% of the Contract Price stated in the letter of Acceptance. Such security shall, at the option of the bidder, be in the form of either (a) Bank guarantee from any Schedule Bank in Pakistan or (b) Bank guarantee from a bank located outside Pakistan duly counter-guaranteed by a Schedule Bank in Pakistan.</p>
<p>Sub-Clause 4.3 Contractor's Representative</p> <p><i>Signature of Iqbal Pallejo</i> Iqbal Pallejo Executive Engineer Addl. 65 Mgd. Project KW&SB</p>	<p><i>Insert additional paragraph at the end of Sub-Clause 4.3</i></p> <p>The Contractor's authorized representative and his other professional engineers working at site shall register themselves with the Pakistan Engineering Council.</p> <p>The Contractor Representative appointed shall be a graduate Engineer with 20 years of relevant experience.</p> <p>If the appointed person fails to act as Contractor's Representative, the contractor shall replace the person with equivalent or better experienced person as replacement.</p> <p><i>Stamp: CONTRACTOR</i></p>




Sub-Clause 4.4 Subcontractors	<p><i>Replace first line with the following</i></p> <p>The Contractor may subcontract the Works for the maximum value equal to 30% of the Accepted Contract Amount.</p>
Sub-Clause 4.8 Safety Procedures	<p><i>Insert additional paragraph at the end of Sub-Clause 4.8</i></p> <p>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.</p>
Sub-Clause 4.18 Protection of the Environment	<p><i>Final paragraph to be added to after second paragraph</i></p> <p>The Contractor shall exercise care to protect the natural landscape and shall conduct his construction operation so as to prevent any unnecessary destruction, scarring or defacing of the natural surroundings in the vicinity of the Works, except where clearing is required for permanent works, approved temporary works and for excavation operations. All trees and native vegetation shall be preserved and shall be protected from damage, which may be caused, by the Contractor's construction operations and equipment. On completion of the Works, all work areas shall be smoothed and graded in a manner to scarring damage or defacing may occur as a result of the Contractor's operations, it shall be repaired, replanted or otherwise corrected as directed by the Engineer at Contractor's expense.</p> <p>Borrow areas shall be located and operated so as not to detract from the future usefulness or value of the sites. Upon completion of operations, borrow areas shall be left in a safe and sightly conditions. No borrow areas shall be located within 500 meter from the right of way.</p> <p>During the performance of the work required under the Contract, the Contractor shall carryout proper and efficient measures as often as necessary to reduce the dust nuisance, and to prevent dust originating from his operations. For waste water disposal, the provision of septic tank alone for worker's camp etc. will not be sufficient and may have to be supplemented with secondary treatment in form of gravel drains / constructed wetland depending on the laboratory results of effluent from the septic tank.</p> <p>The Contractor shall take all necessary measures to prevent water from the Site causing a nuisance on or, in any neighbouring land or property either by causing flooding or by depositing sediment on the surface of the ground or in drains or watercourses. Wherever necessary to prevent this, the Contractor shall construct temporary drainage channels, layer sumps and traps (in addition to those shown on the Contract) discharging into existing drain, ditches or watercourses. The Contractor shall remove over all</p>

GLOBAL PALEJO
Executive Engineer
Addl. G5 Mgd. Project
KW&SB

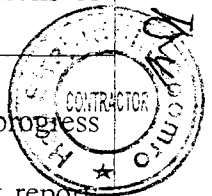


	<p>sediment, which may accumulate on any land or in any drains, ditches or watercourses or in any other property as a result of his operations.</p> <p>All works including those below sub-soil standing water level shall be carried out in the dry unless specified otherwise. The Contractor's arrangements for controlling the inflow of water into the parts of the excavation being worked and during the placing of concrete and other works therein and for the collection and disposal of water shall be to the Engineer's Approval. Such arrangements may include interalia temporary cofferdams, well-point systems, pumps; drains trenches, flumes and other recognized means. All Costs and charges in dealing with water in any way whatsoever and the effects thereof will be deemed to be included in the Contract Price and in the unit rates or prices of the Contractor for excavations.</p> <p>Water flowing into excavations shall be carried by trenches, drainage layers or open jointed drains to sumps from which it shall be pumped. Such trenches drains or sands shall generally be clear of the Permanent Works unless approved otherwise by the Engineer. If, with the said Approval of the Engineer trenches drains or sumps are excavated under or immediately adjacent the Permanent Works, these shall comprise open-jointed pipes with gravel mounds. When no longer required and when approved by the Engineer they shall be filled with a cement /sand grout injected under pressure so as to fill the pipe and all voids completely.</p> <p>The Contractor shall keep all surfaces upon or against which concrete is to be deposited free from running water and no concrete shall be placed until such surfaces are properly drained. Suitable precautions shall be taken to prevent running water from washing out cement or concrete while it is setting or from injuring the Works in any other way.</p> <p>Notwithstanding the Approval by the Engineer of the Contractor's methods of dealing with water, the Contractor shall be responsible for and accept all the risks and liabilities of dealing with water from whatever source and of all effects thereof.</p> <p>The Contractor shall throughout the execution and completion of the Works and the remedying of any defects therein, comply with all applicable Environment Protection Laws and Regulations of the Country.</p>
<p>Sub-Clause 4.21 Progress Reports</p> <p></p>	<p><i>Add following paragraphs after paragraph (h)</i></p> <p>(i) An updated construction schedule indicating the progress in percentage; and</p> <p>(j) Description of all works carried out since the last report, and</p> <p>(k) An updated Progress Curve/Projected Cash flow indicating the planned and actual progress; and</p>

ICB Consulting (Pvt.) Ltd.
Executive Engineer
Addl. 65 Mgd. Project
KW&SB


Executive Engineer
Addl. 65 Mgd. Project

Part-B Page 9 of 7





	<p>(l) An updated Critical Resource Usage Chart showing comparison of planned and actual values; and</p> <p>(m) An updated material procurement plan showing comparison of planned and actual values; and</p> <p>(n) An updated schedule of shop drawings comparison of planned and actual values; and</p> <p>(o) Description of the Works planned for the next 28 days sufficiently detailed to enable the Engineer to determine his programme of inspection and testing; and</p> <p>(p) Summary of all submission; and</p> <p>(q) Information about problems and areas of concern and proposal to overcome the same.</p>
Sub-Clause 6.5 Working Hours	<p><i>Add the following paragraph at the end of Sub-Clause 6.5:</i></p> <p>The Contractor shall pay overtime payment to the Engineer's Support Staff/Personnel who were required by the Contractor to perform their respective work assignment beyond the normal working hours stated in Part A – Particular Conditions (appendix A).</p>
Sub-Clause 6.10 Records of Contractor's Personnel and Equipment	<p><i>The following paragraphs added:</i></p> <p>The Contractor shall, upon request by the Engineer at any time in relation to any time 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.</p>
Sub-Clause 6.23 Epidemics	<p><i>Insert sub-clauses after Sub-Clause 6.22:</i></p> <p>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 the purpose of dealing with and overcoming the same.</p>
Sub-Clause 6.24 Workers' Organizations	<p><i>Insert additional sub-clauses after Sub-Clause 6.23</i></p> <p>In countries where national law recognizes workers' rights to form and to join workers' organizations of their choosing without interference and to bargain collectively, the Contractor shall comply with national law. The Contractor shall not discriminate or retaliate against Contractor's Personnel who participate, or seek to participate, in such organizations. Where national law restricts workers' organizations, the Contractor shall ensure that Contractor's Personnel have alternative means to express their grievances and defend their rights regarding working conditions and terms of employment, such as worker committees or forums to facilitate dialogue between workers' representatives and the employer. Where national is silent on this issue, the Contractor shall not discriminate or retaliate against Contractor's Personnel</p>

EA Consulting (Pvt.) Ltd.
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

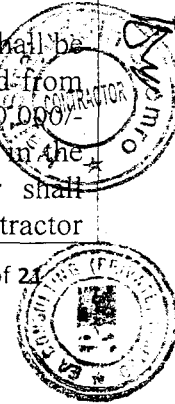
Executive Engineer
Addl. 65 Mgd. Project

	who participate, or seek to participate, in organizations and forums designed to promote good working conditions and favourable terms of employment, consistent with the Contract.
Sub-Clause 6.25 Non-Discrimination and Equal Opportunity	<i>Insert additional sub-clauses after Sub-Clause 6.24</i> The Contractor shall not make employment decisions on the basis of personal characteristics unrelated to inherent job requirements. The Contractor shall base the employment relationship on the principle of equal opportunity and fair treatment, and will not discriminate with respect to aspects of the employment relationship, including recruitment and hiring, compensation (including wages and benefits), working conditions and terms of employment, access to training, promotion, termination of employment or retirement, and discipline. In countries where national law provides for non-discrimination in employment, the Contractor shall comply with national law. When national laws are silent on non-discrimination in employment, the Contractor shall meet this Sub-Clause's requirements. Special measures of protection or assistance to remedy past discrimination or selection for a particular job based on inherent requirements of the job will not be deemed discrimination.
Sub-Clause 7.9 Use of Pakistani Materials and Services	<i>Insert additional sub-clauses after Sub-Clause 7.8</i> 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.
Sub-Clause 8.1 Commencement of Works	<i>Delete paragraph (b) entirely and substituted with the following.</i> 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
Sub-Clause 8.3 Programme	<i>Insert following additional paragraphs at the end of Sub Clause 8.3;</i> The program shall be submitted in the form of CPM charts. The Contractor will also have a licensed copy of the software from a reputed firm which shall be accessible to the Engineer as well as his assistants. Contractor shall organize a training program for his and Engineer's staff so that the program can be updated regularly as required. The revised programme, in accordance with the Contract, shall be submitted within fourteen (14) days of the request received from the Engineer. The Contractor shall pay a penalty of Rs.100,000/- (Rupees Hundred Thousands only) for each day of delay in the submission of said revised programme. The Employer shall recover such amount from any payment due to the Contractor


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project

Part-B Page 11 of 21



under the Contract, on the Engineer's recommendations.


Notwithstanding General Conditions of the Contract Sub Clause 8.3, the program to be submitted for the execution of the works shall, in addition to the program of pure construction activities, include an alleviation program for site staff and labour and their families (if allowed to stay at camp) in respect of Sexually Transmitted Infections (STI), Sexually Transmitted Diseases (STD) including HIV/AIDS. The STID and HIV/AIDS alleviation program shall indicate when, how and at what cost the Contractor plans to satisfy the requirements of Sub Clause 6.7 herein and the related Specifications.

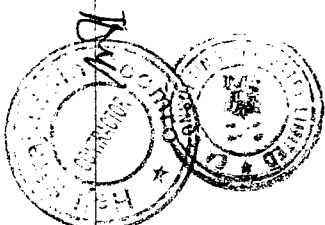
The Contractor shall submit the Programme of Works on Primavera Project Planner P-5 or the latest (both hard and soft copy) for the consent of the Engineer. All items of works and activities including mobilization should be included in the Programme of Works. The programme shall identify and highlight those activities, which are on the Critical Path. The programme shall be revised monthly and should include a chart of principal activities of the work forecast for monthly execution and an updated schedule of the payment to be made by the Employer to the Contractor. This programme of works as scheduled shall form basis of Delay Damages pursuant to Sub-Clauses 8.7.

In addition, cash flow estimates shall be supported with inputs of over drafts organized with financial institutions at various stages of the projects to meet the funding requirements of the project. The Contractor shall supply and maintain at his site office for his and Engineer's use a licensed copy of the project management computer software package namely Primavera for programming and to monitor the progress. It shall be supplied complete with manuals and technical training and support for the duration of the Contract as per requirements assessed by the Engineer.

In order to assist the Engineer's Project Management Team, the Contractor shall be required to submit at 2 weeks intervals data to the Engineer on the cost and quantities and other data relevant to the monitoring of progress according to a particular format suitable for computer processing.

The programme should be computerized and drawn up on the CPM with all details as illustrated in this Clause, identifying all items of work including temporary work. Progress reporting by the Contractor should be supported on a monthly basis with an up-to-date analysis of the progress including a statement on items, which are or are about to become critical to the progress of the work along with the proposals on how the Contractor intends to alleviate the situation.


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB





General Requirements:

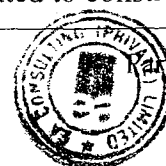
- a. Programme should be submitted (both hard and soft copy) strictly following the guidelines and format specified in this Clause.
- b. The Engineer at any time during the execution of the Works; direct the Contractor to change/modify the Programme / Schedule based on the Priority of Works.
- c. No payment shall be released to the Contractor prior to approval of the Base Line Programme by the Engineer.
- d. Submittal of Programme consists of:
 1. Construction Schedule (CPM);
 2. Progress Curve/Project Cash Flow;
 3. Critical Resources Usage Chart;
 4. Detailed Method Statement;
 5. Material Procurement Plan;
 6. Schedule of Submittals and Shop-Drawings;
 7. Any other details as required by the Engineer;

Construction Schedule:F

- a. Construction Schedule shall be developed on the basis of Work Breakdown Structure provided or approved by the Engineer.
- b. Construction Schedule shall be detailed up to level 4 or as required by the Engineer.
- c. Durations of construction activity should be calculated practically in relation to quantity of work done and allocated resources. Any activity that demands duration greater than seven (07) calendar days should be split into number of activities to monitor the same accordingly.
- d. Construction activities of the schedule should be logically linked with preceding and succeeding activities and showed in submitted construction schedule.
- e. Critical Activities and Critical Path of the project should be highlighted with red colour in bar chart and precedence diagram. Total Float for non-critical activities should also be shown in the schedule.
- f. Appropriate quantity of direct resources (material, labour, equipment and non-consumable material) should be allocated to all activities and showed in submitted construction schedule. Labour resource should be divided according to related trades (e.g. Mason, Operator, helper etc.) Contractor should make sure that no resource is being over allocated. Indirect resources should be allocated to supervision / summary activity.
- g. BOQ amount should be loaded to reach construction activity. Accrual basis should be indicated to construction activity.


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project (Pvt.) Ltd.
KW&SB


IQBAL PALEJO
Executive Engineer
65 Mgd. Project



- h. Construction Schedule should show Activity ID, Activity Description, BOQ Quantity, Duration, Start Date, Finish Date, Total Float, Predecessors, Resource names with quantity, BOQ Amount and timescale where the bars show start and finish dates.

Progress Curve / Projected Cash Flow:

- a. Progress Curve / Projected Cash Flow should be developed and presented on Project Management Software – Primavera Project Planner.
- b. S-Curve should be plotted between time (in weeks) and progress of work done (in % of work). The progress should be shown in cumulative percent of work done. Percent of work done should be calculated with the BOQ amount and payment terms.

Critical Resources Usage Chart:

- a. Critical Usage Chart should be developed.
- b. List of Critical Resources included Labourers, equipments, consumable/non-consumable materials and/or identified by the Engineer.
- c. Resource usage chart should show Resource Name and weekly utilization (numbers) of resources on each activity.

Detailed Method Statement:

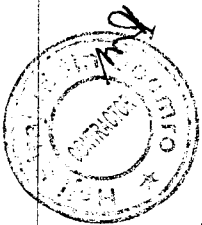
- a. Detailed method statement should be presented in descriptive format explaining the method of carrying out works, logistics, site layout, flow of work, quality and safety measures for each activity and any other details as required by the Engineer.

Material Procurement Plan:

- a. Material Procurement Plan for major items of purchase should be presented in a Tabular Format to be submitted to the Engineer for pre-approval. The Plan must as a minimum show the list of local & imported materials to be used, their specification reference, and planned dates for submittal to Consultant, approval process, placing of order, vendor contact, required delivery on site, status of Line of Credit (LOC) if applicable, and usage of material.

Schedule of Shop Drawings and Submittals:

Schedule of Shop Drawings and other Submittals should be presented in a Tabular Format to be submitted to the Engineer for pre-approval. Plan must as a minimum show the list of shop drawings required and their specification reference, planned dates for submittal to consultant, approval process, and usage of shop drawing.





EA Consulting (Pvt.) Ltd.

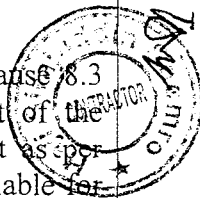
IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

IQBAL PALEJO
Executive Engineer
Part-B Page 14 of 21
Addl. 65 Mgd. Project
KW&SB

	<p>Cash Flow Estimates: The Contractor shall, within 28 days from the receipt 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.</p> <p>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 8.3, 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.</p>
Sub-Clause 8.7 Delay Damages	<p><i>Insert following additional paragraphs at the end of Sub-Clause 8.7</i></p> <p>Notwithstanding the provision of above stated conditions following shall prevail: The rate of Delay Damages shall be 0.5% per day of the Contract Price for every day of delay in which whole or part of the work(s) remained unfurnished subject to a maximum of 10% of the Final Contract Price.</p> <p>In addition to the Delay Damages, the Contractor shall borne all the cost/expenses related to the supervision of the works by the Engineer and his staff covering salaries of the Engineer and all of his Site Supervision staff including all the benefits, providing, running and maintenance of all the Engineer's Facilities up to the issuance of the Taking Over Certificate by the Employer. All the above cost/expanses will not be reimbursed / paid to the Contractor beyond the approved completion period of the works.</p> <p>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 delay 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 delay damages and shall not affect the limit thereof.</p> <p>Interim Delay Damages</p> <p>Contractor's works programme submitted under Sub-Clause 8.3 of the Conditions of Contract shall be considered part of the Contract Agreement. If the Contractor's progress is not as per approved programme of works, the Contractor shall be liable for Interim Delay Damages at the rate of 0.05% of the Contract Price for each day of delay, which shall be refunded if the progress</p>

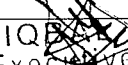

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Consulting (Pvt.) Ltd.
KW&SB



IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project



	<p>again matches the approved programme of works during the currency of works.</p> <p>The amount of interim delay damages deducted by the Employer from the payment of the Contractor and refunded shall be taken into consideration while determining the delay damages for the whole of the Works.</p> <p>If the progress of works is observed to be behind approved programme of works against three consecutive months then the Employer may invoke Sub-Clause 15.2 of the Conditions of Contract.</p>
Sub-Clause 8.11 Prolonged Suspension	Replace 84 days by 120 days.
Sub-Clause 10.1 Taking Over of the Works and Sections	<p><i>Insert following as 3rd paragraph after 2nd paragraph</i></p> <p>Within 14 days of the date of receipt of Contractor's notice for issuance of Taking Over Certificate the Employer shall on the written request of the Engineer constitute a committee comprising of Engineer/Engineer's Representative, Employer's and Contractor's Representatives. The Committee shall conduct a detailed inspection of the works completed by the Contractor to ascertain the completion or the extent of completion to decide about the issuance of Taking Over Certificate.</p> <p>The Engineer shall take further action on the Contractor's application in pursuance to the recommendations of the committee.</p>
Sub-Clause 11.9 Performance Certificate	<p><i>Insert following as 2nd paragraph after 1st paragraph</i></p> <p>At the completion of the Defects Notification Period the Employer shall constitute a committee comprising of Engineer / Engineer's Representative, Employer's and Contractor's Representatives. The Committee shall conduct a detailed inspection of the works to ascertain the issuance of Performance Certificate or otherwise.</p>
Sub-Clause 13.1 Right to Vary	In the last line of Para, after the word "Variation", the word "in writing" is added.
Sub-Clause 13.3 Variation Procedure	In the tenth line, after the words "as soon as practicable" following is added: "and within a period not exceeding one-eighth of the completion time"
Sub-Clause 13.8 Adjustment for Changes in cost	<p><i>Delete the Clause in entirety and replace with following:</i></p> <p>The amounts payable to the Contractor, pursuant to Sub-Clause 14.6, shall be adjusted in respect of the rise or fall in the cost of materials only, and will be paid to the contractor on those items mentioned in the Appendix -C (B). Similarly reduction in the cost of these materials will also be recovered from the contractor accordingly</p>




IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB


IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

**Sub-Clause 14.1
The Contract Price**

Renumber subparagraphs (c) and (d) as (f) and (g) and delete subparagraph (e).

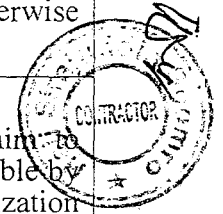
Insert following paragraphs (c), (d) and (e):

- (c) The Contract Price shall include all taxes, duties and other charges imposed outside the Country on the production, manufacture, sale and transport of the Contractor's Equipment, Plant, Materials and supplies to be used on or furnished under the Contract, and on the services to be performed under the Contract.
- (d) The Contractor's staff and labour will be liable to pay personal income taxes in the Country in respect of such of their salaries and wages as are chargeable under the Laws for the time being in force, and the Contractor shall perform such duties in regard to such deductions thereof as may be imposed on him by such laws.
- (e) Notwithstanding the provisions of subparagraph (b), Contractor's Equipment, including essential spare parts therefore, imported by the Contractor for the sole purpose of executing the Contract shall be temporarily exempt from the payment of import duties and taxes upon initial importation, provided the Contractor shall post with the customs authorities at the port of entry an approved export bond or bank guarantee, valid until the Time for Completion plus six months, in an amount equal to the full import duties and taxes which would be payable on the assessed imported value of such Contractor's Equipment and spare parts, and callable in the event the Contractor's Equipment is not exported from the Country on completion of the Contract. A copy of the bond or bank guarantee endorsed by the customs authorities shall be provided by the Contractor to the Employer upon the importation of individual items of Contractor's Equipment and spare parts. Upon export of individual items of Contractor's Equipment or spare parts, or upon the completion of the Contract, the Contractor shall prepare, for approval by the customs authorities, an assessment of the residual value of the Contractor's Equipment and spare part to be exported, based on the depreciation scale(s) and other criteria used by the customs authorities for such purposes under the provisions of the applicable Laws. Import duties and taxes shall be due and payable to the customs authorities by the Contractor on (a) the difference between the initial imported value and the residual value of the Contractor's Equipment and spare parts to be exported; and (b) on the initial imported value of Contractor's Equipment and spare parts remaining in the Country after completion of the Contract. Upon payment of such dues within 28 days of being invoiced, the bond or bank guarantee shall be reduced or released accordingly; otherwise the security shall be called in the full amount remaining.

**Sub-Clause 14.2
Advance Payment**

Delete the Clause in entirety and replace with following

Financial Assistance is given to Contractor to enable him to overcome financial encumbrances and shall be made available by adopting anyone of the following methods (Mobilization



IQBAL PALEJO
Executive Engineer

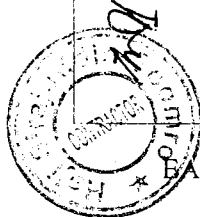
Addl. 65 Mgd. Project
KW&SB

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



	<p>Advance or Secured advance on Material).</p> <p>Mobilization Advance:</p> <p>Mobilization shall be available interest free upto 10% of the Contract Price stated in the Letter of Acceptance and shall be paid by the Procuring Agency to the Contractor in two equal parts upon submission by the Contractor of a Mobilization Advance Guarantee / Bond for the full amount of the Advance in the specified form from a Schedule Bank in Pakistan acceptable to the Procuring Agency.</p> <ol style="list-style-type: none"> (1) First part within 14 days after signing of 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. <p>(b) This Advance shall be recovered in five equal instalments from the five (05) R.A.Bills, and incase the number of bills is less than 5, then 1/5 of the Advance shall be recovered from each bill and the balance from the final bill. It may be ensured that there is sufficient amount in final bill to enable recovery of the Mobilization Advance.</p>
<p>Sub-Clause 14.5 Plant and Materials intended for the Works</p>	<p><i>Delete the Clause in entirety and replace with following</i></p> <p>Secured Advance on Material</p> <p>(a) The Contractor shall be entitled to receive from the Procuring agency Secured Advance against an indemnity bond acceptable to the procuring agency of such sum as the Engineer may consider proper in respect of non-perishable material brought at site but not yet incorporated in the Permanent Works provide that:</p> <ol style="list-style-type: none"> 1. The materials are in accordance with the Specifications for the Permanent Works: 2. Such Materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction of the Engineer but at the risk and cost of the Contractor. 3. The Contractor's records of the requirements, orders, receipts and use of the materials are kept in a form approved by the Engineer and such records shall be available for inspection by the Engineer. 4. The Contractor shall submit with his monthly statement the estimated value of the materials on site together with such documents as may be required by the Engineer for the purpose of valuation of the materials and providing evidence


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB




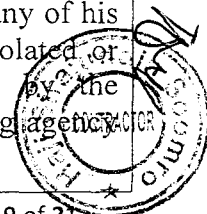
BA Consulting (Pvt.) Ltd.

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

	<p>of ownership and payment there of.</p> <p>5. Ownership of such materials shall be deemed to vest in the Procuring agency and these materials shall not be removed from the site or otherwise disposed of without written permission of the Procuring agency: and</p> <p>6. The sum payable for such materials shall not exceed 75% of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of other materials.</p> <p>(b) The recovery of Secured Advance paid to the contractor under the above provision shall be effected from the monthly payment on actual consumption basis.</p>
<p>Sub-Clause 14.8 Delayed Payment</p>	<p><i>Second Para is replaced with following text:</i></p> <p>In the event of the failure of the Procuring Agency to make the payment within the time stated, the procuring agency shall pay to the contractor in case of ICB contracts only, the compensation at rate of KIBOR+2% per annum in local currency and Libor+1% for foreign currency, upon all sums to be paid from the date of which the same would have been paid (i.e. for NCB, no compensation is admissible).</p>
<p>Sub-Clause 14.15 Currencies of Payment</p>	<p>Currency of Payment is Pakistan Rupee (PKR).</p>
<p>Sub-Clause 15.2 Termination by Employer</p>	<p><i>Insert following as paragraph (g) after paragraph (f)</i></p> <p>(g) If the progress of works with respect to the Programme of Works is observed to be behind the approved program of works pursuant to Sub Clause 8.7 for three consecutive months.</p> <p><i>The following Para is added at the end of the sub-clause:</i></p> <p>Provided further, that in addition to the action taken by the procuring agency against the Contractor under this Clause, the procuring agency 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.</p>
<p>Sub-Clause 15.6 Corrupt and Fraudulent Practices</p>	<p><i>The following text is to be added as 3rd paragraph:</i></p> <p><i>Successful Contractor has to provide Integrity Pact (for contracts worth Rs.10.0 million and above). 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 procuring agency shall be entitled to:</i></p>



IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB


IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project




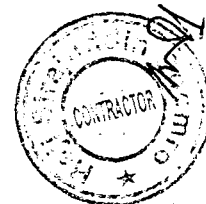
	<p>a. recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Subcontractors, agents or servants;</p> <p>b. terminate the Contract; and</p> <p>c. recover from the Contractor any loss or damage to the procuring agency as a result of such termination or of any other corrupt business practices of the Contractor or any of his Subcontractors, agents or servants.</p> <p>The termination under sub-para (b) of this Sub-Clause shall proceed in the manner prescribed under sub-clauses 15.2 & 15.5 and the payment under Sub-Clause 15.4 shall be made after having deducted the amounts due to the procuring agency under Sub-Para (a) and (c) of this Sub-Clause.</p>
Sub-Clause 16.1 Contractor's	<i>Delete words "... Sub-Clause 2.4 [Employer's Financial Arrangements] or ..." from first paragraph</i>
Entitlement to Suspend Work	Delete paragraph 2 in entirety (i.e. from words "Notwithstanding" to "notification from the bank".
Sub-Clause 16.2 Termination by Contractor	<i>Delete paragraph (a) in entirety.</i>
Sub-Clause 17.3 Employer's Risks	Delete paragraph (a) in entirety.
Sub-Clause 18.1 General Requirements for Insurance	<p>Add following text</p> <p>The contractor shall be obliged to place all insurances relating to the contract (including, but not limited to, the insurances referred to in Clauses 18.1,18.2,18.3,18.4) with either National Insurance Company of Pakistan or any other Insurance Company having at least AA rating status from PACRA/JCR in favour of the Employer valid for a period 28 days after the expiry of Defects Liability Period.</p> <p>Costs of such insurances shall be borne by the contractor.</p>
Sub-Clause 19.6 Optional Termination, Payment and release by the Employer	Delete paragraph (c), (d) and (e) in entirety.
Sub-Clause 20.1 Contractor's Claims	<p><i>Insert following at the end of Sub-Clause 20.1</i></p> <p>The Contractor shall not be entitled for any extension of Time for Completion and/or additional payment in respect of the claim(s) if the Contractor fails to comply with the requirements or any of the requirement of Sub-Clause 20.1 within the time period stipulated there in the Clause above mentioned and or fails in keeping and producing necessary records whenever demanded by</p>

	the Engineer.
Sub-Clause 20.6 Arbitration	<p><i>Delete the Clause in entirety and replace with following</i></p> <p><i>Any dispute in respect of which:</i></p> <ol style="list-style-type: none"> <i>the decision, of the Dispute Board has not become final and binding pursuant to sub-clause 20.2, and</i> <i>amicable settlement has not been reached within the period stated in sub-clause 20.5, 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.</i> <p>The place of arbitration shall be Karachi, in Sindh Province.</p> <p>The arbitrators shall have full power to open up, review and revise any certificate, determination, instruction, opinion or valuation of the Engineer, and any decision of the DB, relevant to the dispute. Nothing shall disqualify representatives of the Parties and the Engineer from being called as a witness and giving evidence before the arbitrators on any matter whatsoever relevant to the dispute.</p> <p>Neither Party shall be limited in the proceedings before the arbitrators to the evidence or arguments previously put before the DB to obtain its decision, or to the reasons for dissatisfaction given in its notice of dissatisfaction. Any decision of the DB shall be admissible in evidence in the arbitration.</p> <p>Arbitration shall be commenced after completion of the Works. The obligations of the Parties, the Engineer and the DB shall not be altered by reason of any arbitration.</p>


IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

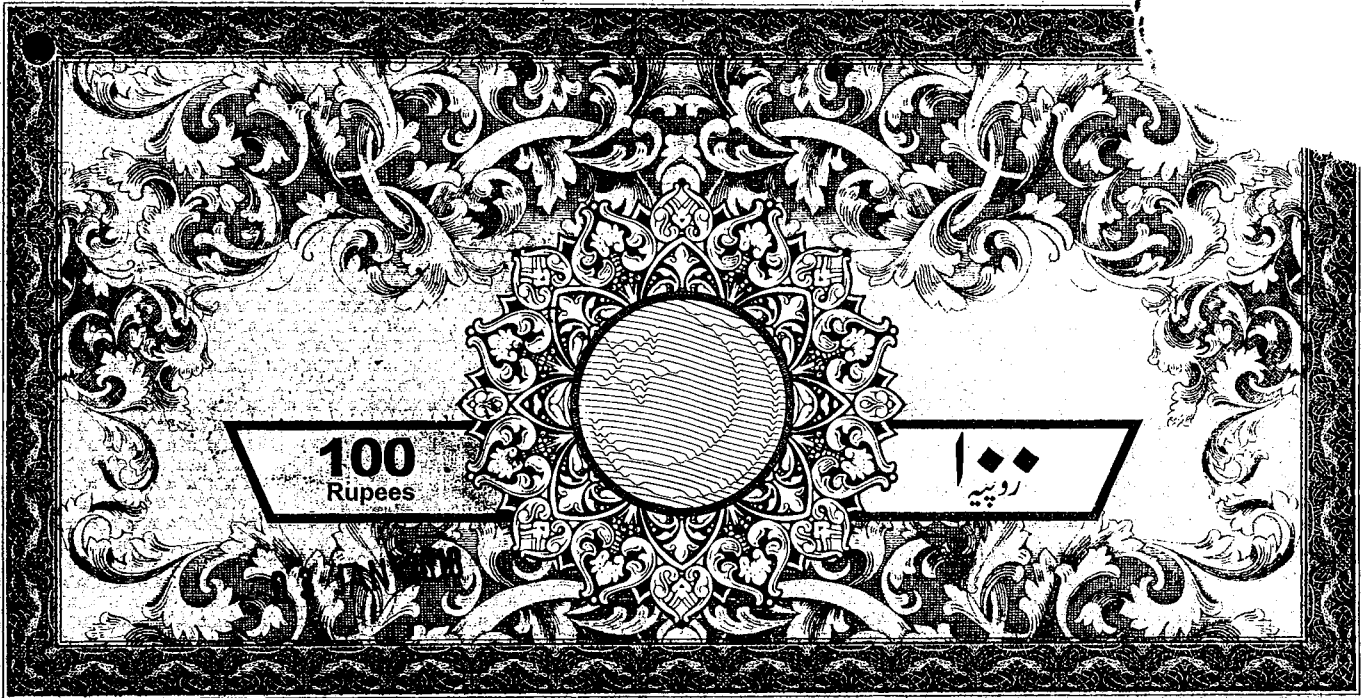



IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB



L189694

111 111 111 111 111 111 111 111



03 JAN 2018

AM ALAM STAMP VENDER Licence No. 59
G-7, Spanish Homes, Phase-1, D.H.A. Karachi

053338 Date.....
ed To With.....
ugh With Address.....
ose.....
e Rs.....
Vendor Signature.....
VALID FOR DIVORCE & FREE WILL

Signature
IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

(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. Package # 03 Dated April 24, 2018

Contract Value: Rs. 2,835,083,225/-

Contract Title: Additional 65MGD Water Supply From Haleji to Pipri, Karachi. Laying of 72" Dia Mild Steel Pipe Rising Main From Ghara Pumping Station to High Point (Forebay)

M/s Haji Sirajuddin Soomro hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from KW&SB / Govt. of Sindh or any administrative subdivision or agency thereof or any other entity owned or controlled by KW&SB / Govt. of Sindh through any corrupt business practice.

Without limiting the generality of the foregoing, M/s Haji Sirajuddin Soomro 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 KW&SB / Govt. of Sindh, except that which has been expressly declared pursuant hereto.

M/s Haji Sirajuddin Soomro 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 KW&SB / Govt. of Sindh and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

M/s Haji Sirajuddin Soomro 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 KW&SB / Govt. of Sindh under any law, contract or other instrument, be voidable at the option of KW&SB / Govt. of Sindh.

Notwithstanding any rights and remedies exercised by KW&SB/Govt. of Sindh in this regard, M/s Haji Sirajuddin Soomro agrees to indemnify KW&SB/Govt. of Sindh for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to KW&SB/ Govt. of Sindh in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kick back given by M/s Haji Sirajuddin Soomro 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 KW&SB/Govt. of Sindh.

Name of Buyer -----

Name of Seller/Supplier M/S Haji Sirajuddin Soomro

Signature -----

Signature ----- *Mr. Shumra*

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB



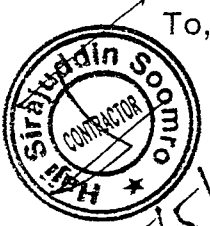
KARACHI WATER & SEWERAGE BOARD

Office of the Project Director (65 MGD Project)

9th Mile Karsaz, Shahrah-e-Faisal, Karachi

1st Floor, Chairman Secretariat, KW&SB Tel No. +92-21-99245132

No. KW&SB/PD/65MGD/2018/ 79
Dated: 24/5/2018



To,
M/s. Haji Sirajuddin Soomro
Plot No. X-22, Extension Area, SITE, Kotri.

PACKAGE # 03

"LAYING OF 72 INCH DIA MILD STEEL PIPE RISING MAIN FROM GHARO
PUMPING STATION TO HIGH POINT (FOREBAY)" UNDER ADDITIONAL 65 MGD
WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI.

LETTER OF ACCEPTANCE

This is to notify that your bid dated: 24th April 2018, for the work of Package # 03 - "Laying of 72 Inch Dia Mild Steel Pipe Rising Main from Gharo Pumping Station to High Point (Forebay)" under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi, on Evaluated Price basis, for the arithmetically corrected amount of Pak. Rs. 2,528,894,237/=, (Pak Rupees Two Thousand Five Hundred Twenty Eight Million, Eight Hundred Ninty Four Thousand Two Hundred Thirty Seven Only), including Provisional Sum for an amount of Rs. 10,000,000/- is hereby accepted with corrections / modifications as proposed here below:-

1. That the acceptance of the bid shall not prejudice the Engineer's power under the contract in respect of approval or otherwise of all matters including but not limited to:-
 - i) Proposed construction schedule
 - ii) Method of performing work
 - iii) Adequacy of construction resources including equipment & materials
 - iv) Contractor's supervisory staff

2. Information Submitted with Tender :

That the appendices and enclosures submitted by you with your tender shall be deemed to illustrate your capability to undertake the works and the inputs desired to be committed by you for completion of works and shall be subject to review and approval or otherwise by the Employer / Engineer. However, if these enclosures, submissions, statements, etc. made by you in your Tender are contrary to the basic provisions of the Contract and/or explicitly / and / or implicitly construe additional payments and or / deviation from the Terms of the Contract and or / qualification which may lead to claim by you for additional payment and or / extension in time shall have no contractual standing whatsoever.

3. Pursuant to Clause IB 26, 27 and 28 of "Instruction to Bidders" the scrutiny and evaluation of your tender have been done and that the summary of bid cost after arithmetic check, if any, shall be as follows:-

24/5/2018

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB
Page 1 of 2



KARACHI WATER & SEWERAGE BOARD

Office of the Project Director (65 MGD Project)

9th Mile Karsaz, Shahrah-e-Faisal, Karachi

1st Floor, Chairman Secretariat, KW&SB Tel No. +92-21-99245132

4.

BILL No.	TITLE	Amount (In Rupees)
1	Pipe & Chamber Works	2,664,852,300
2	Forebay Chamber	39,383,337.10
3	Office Block at KW&SB	120,847,588
4	Add Provisional Sum	10,000,000.00
	Sub Total	2,835,083,225.10
	Less Rebate	306,188,988.31
	Total Amount	2,528,894,237

The tender value is Rs. 2,528,894,237/=, (Pak Rupees Two Thousand Five Hundred Twenty Eight Million, Eight Hundred Ninty Four Thousand Two Hundred Thirty Seven Only)

5. Performance Security

As per Instruction to Bidder IB- Clause 32 Performance Security, you are requested to furnish the Performance Security in the prescribed Form annexed to Bidding Documents. The said Security should be furnished by you within 28 days after the receipt of this Letter of Acceptance. The Performance Security shall be for an amount equal to five (05) percent of above tender Price in Pak Rupees, in the form of Bank Guarantee from any Scheduled Bank in Pakistan or from a bank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan and acceptable to the Employer.

The Performance Security shall remain valid upto 28 days beyond the expiry of Defects Notification Period and shall be released within 28 days after receiving a copy of Performance Certificate.

Please confirm the acceptance of the Terms & Conditions of this letter by signing/stamping and returning the enclosed "Form of Confirmation" to us immediately. The original of this Letter of Acceptance is for your retention.

The Employer will require that on submission of an acceptable Performance Guarantee a Contract Agreement is entered into and executed in the form contained in the Tender Documents. As per IB-Clause 33 Contract Agreement, the Contract Agreement would be made on Stamp Paper of an appropriate value liveable under the Law. Cost of Stamp Duty would be borne by the Contractor, shall be signed by the Employer and the Tenderer within stipulated time mentioned in Bidding Documents.

Until a formal agreement is signed as above, your tender with this Letter of Acceptance shall form a binding Contract between you and the Employer.

We look forward to working with you on this Project.

24/5/2014
PROJECT DIRECTOR
(65 MGD Project), KW&SB

Distribution:-

1. The Project Manager (65 MGD), KW&SB
2. M/s. EA Consulting (Pvt.) Ltd.

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

HAJI SIRAJUDDIN SOOMRO

Ref: HSS/2018/KW&SB/PKG-03/03

The Project Director (65 MGD),
Karachi Water & Sewerage Board (KW&SB)
First Floor , Chairman Secretariat
9th Mile Karsaz, Shahrah-e- Faisal,
Karachi 74400.

Dated: June 07, 2018

Contract: Package#03 "Laying of 72" Dia Mild Steel Pipe Rising Main from Gharo Pumping Station to High Point (Forebay)" under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi.

Subject: Submission of Original Contract Agreement.


Dear Sir,


Reference to your letter # KW&SB /PD/65MGD/2018 dated May 24, 2018 on the subject project. Enclosed, please find herewith Original Contract Agreement on Non- Judicial Stamp Paper of Rs, 8,851,130/-

Kindly acknowledge receipt of the above mentioned Original Contract Agreement.

Thanking you,

Yours very truly
For & On Behalf of
M/s Haji Sirajuddin Soomro


(Ibne Hassan)
Director Projects


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

Encl: Original Contract Agreement