

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

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

- 1) NAME OF THE ORGANIZATION / DEPT. International Center for Chemical and Biological Sciences, University of Karachi.
- 2) PROVINCIAL / LOCAL GOVT./ OTHER (Autonomous Body)
- 3) TITLE OF CONTRACT Constructionn of Over Head Water tank near exisiting bldg
- 4) TENDER NUMBER CED/47/101017
- 5) BRIEF DESCRIPTION OF CONTRACT Civil Works
- 6) FORUM THAT APPROVED THE SCHEME Purchase Committee
- 7) TENDER ESTIMATED VALUE 13,478,210.00
- 8) ENGINEER'S ESTIMATE 13,478,210.00
(For civil works only)
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) 6 months
- 10) TENDER OPENED ON (DATE & TIME) 3:00 p.m on 10th October, 2017
- 11) NUMBER OF TENDER DOCUMENTS SOLD 07
(Attach list of buyers)
- 12) NUMBER OF BIDS RECEIVED 05
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS 05
- 14) BID EVALUATION REPORT Enclosed
(Enclose a copy)
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER M/s Pace Group .
- 16) CONTRACT AWARD PRICE Rs. 11,264,663.62
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT 1st
(i.e. 1st, 2nd, 3rd EVALUATION BID).

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

- a) SINGLE STAGE – ONE ENVELOPE PROCEDURE Domestic/ Local
- b) SINGLE STAGE – TWO ENVELOPE PROCEDURE
- c) TWO STAGE BIDDING PROCEDURE
- d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE

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

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT _____

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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21) ADVERTISEMENT :

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

Yes	Uploaded on SPPRA dated 26th September, 2017
No	

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

Yes	Daily Dawn, Daily Jang and Daily Kawish on 21st Sep, 2017
No	

22) NATURE OF CONTRACT

Domestic/ Local	<input checked="" type="checkbox"/>	Int.	<input type="checkbox"/>
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23) WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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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"/>
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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"/>
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26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of Consultancies)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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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"/>
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30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?
(Attach copy of the bid evaluation report)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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31) ANY COMPLAINTS RECEIVED
(If yes, result thereof)

Yes	
No	No.

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

Yes	
No	No

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

Yes	
No	No

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

Yes	
No	No

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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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	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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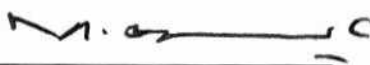
37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN
THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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38) SPECIAL CONDITIONS, IF ANY
(If yes, give Brief Description)

Yes	
No	No

Signature & Official Stamp of
Authorized Officer



PROF. DR. M. IQBAL CHOUDHARY, H.I., S.I., T.I.
Director
(International Center for Chemical and Biological Sciences)
(H. E. J. Research Institute of Chemistry
Dr. Panjwani Center for Molecular Medicine and Drug Research
University of Karachi, Karachi-76270
Pakistan

FOR OFFICE USE ONLY

SPPRA, Block. No.8, Sindh Secretariat No.4-A, Court Road, Karachi
Tele: 021-9205356; 021-9205369 & Fax: 021-9206291



INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES

H.E.J. Research Institute of Chemistry
Dr. Panjwani Center for Molecular Medicine and Drug Research
University of Karachi, Karachi-75270, Pakistan



UAN : 111-222-292
Telefax : (+92-213) 4819018-19
Tel. : (+92-213) 4819011
E-mail : hej@cyber.net.pk
store@iccs.edu
Web : www.iccs.edu

M/s, Pace Group,
Suit# M-28, Mezzanine Floor, Orison Tower, Block: 10,
Rashid Minhas Road, Gulshan-e-Iqbal
Karachi.

Ref. R/C/
CE/OHWT/LEJ/02
Date 27th November, 2017

Phone#021-34832170,, 021-34287395

LETTER OF AWARD

Sub: **CONSTRUCTION OF OVER HEAD WATER TANK NEAR EXISTING TANK BEHIND
H.E.I. MAIN BUILDING FOR DEVELOPMENT OF INFRASTRUCTURE OF L.E.I.N.S.I.C
AT INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES,
UNIVERSITY OF KARACHI.**

Dear Sir,

The Competent Authority in the International Center for Chemical and Biological Sciences, University of Karachi after careful evaluation of your tender for Construction of Over Head Water Tank near existing tank behind H.E.J main building for Development of Infrastructure of LEJNSIC at International Center For Chemical and Biological Sciences, University of Karachi has found your bid to be the lowest evaluated and acceptable subject to the following conditions mentioned below.

- a) Accordingly, after scrutiny, your bid value now stands at Rs. 11,264,663.62 (Rupees Eleven Million Two Hundred Sixty Four Thousand Six Hundred Sixty three paisas sixty two only)
- b) That the Construction Period for the above mentioned project shall be 6 months from the termination of mobilization period i-e 14 days. The mobilization period shall be start after the date of acceptance of the letter of award.
- c) As per clause 1.6 of special stipulations in Conditions of Contract, you are required to submit the "Pay order" as performance security amounting to Rs. 563,233.18 as equivalent to 5% of Contract value from any scheduled bank to International Center of Chemical and

Biological Sciences. In case you fail to submit the required performance security within the next 14 days, period of mobilization, this letter of award shall be considered as withdrawn and your Bid bond/Earnest money will be forfeited.

- d) That you have to appoint a qualified Civil Engineer duly registered with Pakistan Engineering Council with a minimum experience of ten years (10) to supervise the work at site. It may be clearly understood that the engineer will be available at site on a full time basis. In case of non-availability your contract may be rescinded without assigning any reason thereof and without any notice and warning and your Bid bond/Retention money will be forfeited.
- e) One Electric and Water points if required shall be provided by the ICCBS to the Contractor on payment as decided by the Building Committee of the ICCBS Administration. The water would be charged at 1.0 % of the cost of civil work (that is cement and concrete works where water is used) and 0.5 % of the cost of the remaining works. Electric would be charged based on actual consumption @ current market rate per unit based on meter to be installed at your cost.
- f) You are requested to contact the office of our Consultant M/s Atif Nazar (Pvt.) Ltd for the completion of the "Contract Documents" including all addenda and post-tender correspondence.
- g) You are required to submit a "Program of Works" in the form of CPM chart based on a total construction period of 06 months due within the next 14 days.
- h) As per clause 1.9 and 1.10 of special stipulations in Conditions of Contract of Tender documents, you are required to submit "All Risk Insurance Policy" and Fire and Natural Calamity Insurance from approved insurance company due within the next 14 days.
- i) The completion period for the above works will be 06 months. It may be noted that the Employer, International Center for Chemical and Biological Sciences wants the works to be carried out strictly as per Tender Specifications. As per clause 1.14 of special stipulations

in conditions of Contract, the Contractor is to complete the work within the stipulated time failing which the contractor will be liable to pay to the Employer by way of penalty 0.01% (decimal zero one percent) of the Contract Value for each day of delay with the maximum being 10.0% (ten percent) of the Contract Value.

Please acknowledge receipt of this letter.

Sincerely yours,

PROF. DR. M. IQBAL CHOUDHARY, S.I., T.I., H.I
Director, I.C.C.B.S.

C.C. to:

- 1) *The Account Officer, ICCBS*
- 2) *Sr. Civil Engineer, I.C.C.B.S.*



Conditions Accepted by me, in capacity of Proprietor
M/s. Pace Group

B790924

Stamp duty
39,450/-



UNISH AHMAD STAMP VENDOR
S.V. Lic. No.29, Suit No. 223, IIInd Floor,
Tahir Plaza, City Courts, Karachi

29 NOV 2017

S No. 17686 DATE
ISSUED AT ADDRESS
THROUGH WITH ADDRESS
PURPOSE
VALUE RS. 200 ATTACHED
STAMP VENDOR'S SIGNATURE

BILAL ARSHAD
Advocate L.No. 14 Kar

RUPEES TWO HUNDRED ONLY

CONTRACT AGREEMENT

This AGREEMENT ,made and entered 30,November,2017 and between Director International Center for Chemical and Biological Sciences, University of Karachi, hereinafter referred to as the "EMPLOYER" of the one part and M/s Pace Group suit # m-28, Mezzanine floor, Orison tower, Block 10, Rashidminhas Road, Gulshan-e-Iqbal Karachi. of hereinafter referred to as the "CONTRACTOR" which Expression shall included the successor, of the said firm, Executors, Administrators and assignee of the partners of the said firm individually or severally of the other part.

WITNESSTH

WHEREAS, under due procedures tenders have hereto been received by Employer for carrying out "Construction of Over head Water Tank near existing tank behind HEJ main Building for Development of Infrastructure of L.E.J.N.S.I.C at International Center for Chemical and Biological Sciences University of Karachi "and the bid of the contractor for said services has been accepted bythe EMPLOYER,NOW THEREFORE, for and in consideration of the promises, negotiations, covenants and agreements hereunder contained and to be performed by the parties hereto the said parties here by covenants and agree as follows:

1. In consideration of covenants and agreement to be kept and performed by the Contractor, and for the faithful performanceof this contract, and the completion of the work embraced herein, according to the specification and condition herein contained and referred to or agreed to in course of subsequent negotiations in accordance with the general agreement and condition of contract the EMPLOYER shall pay. AND the Contractor shall receive and accept as full compensation the everything furnished and done by the contractors under this agreement approximately Rs 11,264,663.62, (Rupees Eleven Million two hundred sixty four thousand six hundred sixty three paisas sixty two only)The Contractor price stipulated in the contractors tenders or such other sums as may be ascertained in accordance with such conditions of contract etc, and rates quoted against each item of work and agreed to and accepted by the parties as one: instrument and at the times and in the manner prescribed by the conditions of the Contract.
2. The Contractor at his own proper cost and expenses shall do all the work and furnish all labor, materials, tools,supplies,machinery and other equipment and construction plants that may be necessary for the satisfactory completion of all the works as set forth in the contract documents.

3. The maintenance of a rate of progress in the works, which will result in its completion within the specified time, is an essential feature of this contract and the contractor agrees to proceed with all due diligence and care all times to take all precautions to ensure timely completion as defined herein, time being deemed to be essence of the contract on part of contractor.

The said work shall be started within 14 days of the contractor receipt of letter of intent /work order/letter of award. It is understood and agreed that the contractor documents including and addenda, thereto, consist of annexure as per attached list. These contract documents are specified below. The aforesaid documents are all made a part here of and have the same force and effect as it forth at length herein of written order to proceed and the contractor shall have the work called for under the contract fully completed within 06 months from the termination of mobilization period.

4. As per clause 7.4 of Condition of Contract and Contract Data of Contract Documents form of tender, the contractor is to complete the work within the stipulated time failing which the contractor will be liable to pay the EMPLOYER by the way of penalty 0.05%(decimal zero five percent) of the contract value for each day of delay with the maximum being 10.0%(ten percent) of contract value.
5. It is understood and agreed that the contractor document's including an addenda there to consist of annexure as per attached list. These contract documents are specified below.
- a. The complete form of bid along with schedule of bid.
 - b. Condition of contract & contract data.
 - c. Schedule of prices.
 - d. Letter of award from ICCBS, University of Karachi.
 - e. Construction Drawings
 - f. General Condition and Technical Specification of Contract Volume I
 - g. Bill of Quantities Volume II
6. Contractor is liable to pay prevailing taxes levied by the federal and the provincial Government as applicable at the time of tender.
7. It is agreed by the parties to the contract that this contract shall be executed in original which will be retained in the office of the EMPLOYER and one copy given to the Contractor.

It WITNESS WHEREOF, the parties hereto, have executed this contract at Karachi by their duly authorized representative as of the day and year herein above set forth.



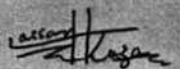
Signed for and behalf of
M/S Pace Group.

PROF. DR. M. IQBAL CHOUDHARY, H.I., S.I., Y.I.
Director
(International Center for Chemical and Biological Sciences)
(H. E. J. Research Institute of Chemistry
Dr. Panjwani Center for Molecular Medicine and Drug Research
University of Karachi, Karachi-75270
Pakistan

DIRECTOR
International Center for chemical and
Biological sciences,
University of Karachi

Witness 1

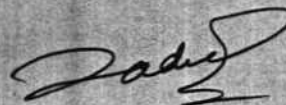
Signature



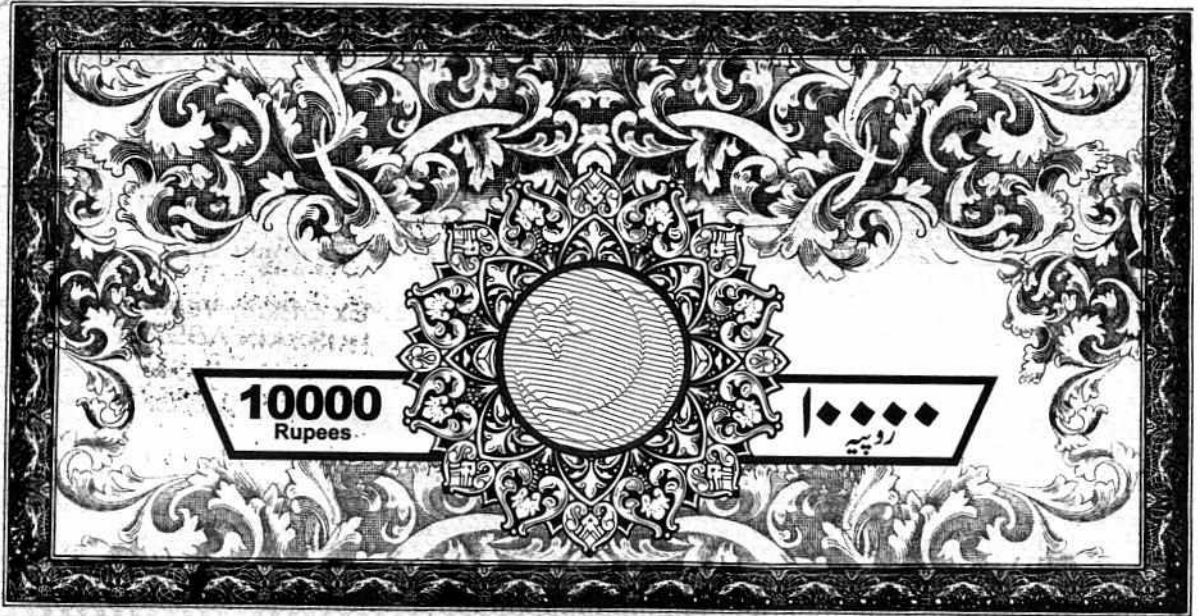
Name Hassan Raza

Witness 2

Signature



Name Sadia Tabeen Asemi

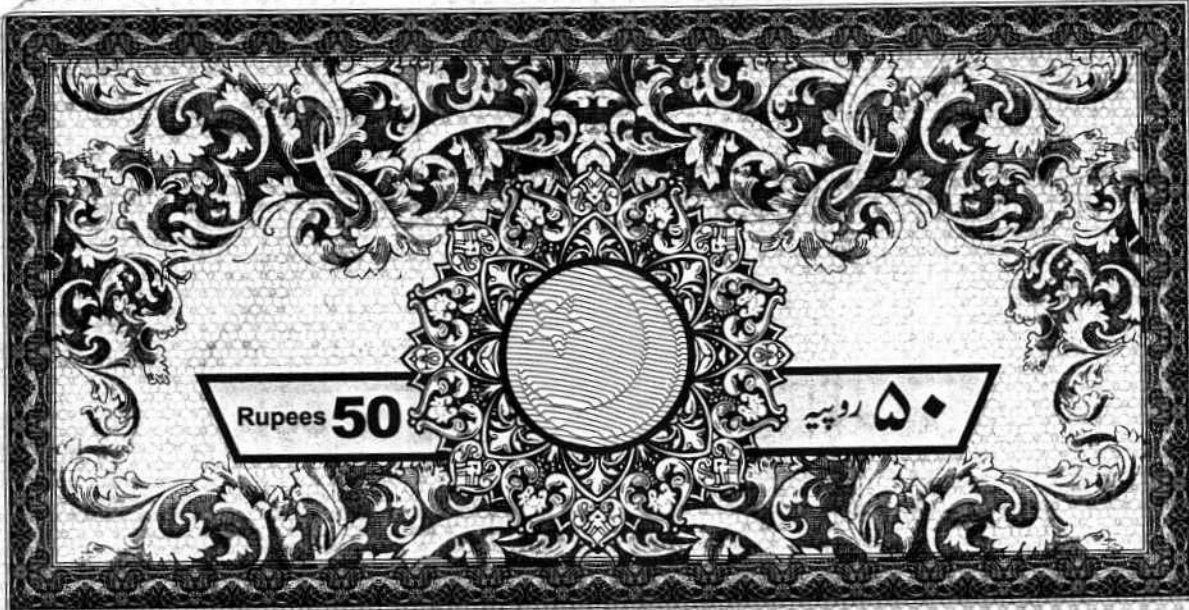


STAMP OFFICE CITY COURT, KARACHI

(RUPEES TEN THOUSAND ONLY)

Issued to Dilnoza Khan
 CNIC No. H-2788
 Vide D.S.R. No. 7 Dt. 28/11/17
 On behalf of challan No. 110 Dt. 28/11/17
 for the purpose of S-9
 Entry No. 7 Dt. 28/11/17

[Signature]
 En. Officer



MEYAZ AHMED STAMP VENDOR

Licence No.64, Shop # 3, Karim Plaza
Block-14, Gulshan-e-Iqbal, Karachi

08 NOV 2017

S.No. DATE

ISSUED WITH A DUES

THROUGH WITH ADDRESS

PURPOSE

VALUE RS (ATTACHED)

STAMP VENDOR'S SIGNATURE

11571
Muhammad Yousuf
Advocate

This Stamp paper is not valid for Divorce and Free Will papers

CONTRACT AGREEMENT

This AGREEMENT made and entered 30 November 2017 and between Director International Center for Chemical and Biological Sciences, University of Karachi, hereinafter referred to as the EMPLOYER of the one part and M/s Pace Group suit # m-28, Mezzanine floor, Orison tower, Block 14, Gulshan-e-Iqbal, Karachi, of hereinafter referred to as the

161914



STAMP OFFICE CITY COURT, KARACHI

Issued to Gulnaba Ali

CNIC No. HC 7887

Vide D.S.R. No. 7 Dt. 28.11.17

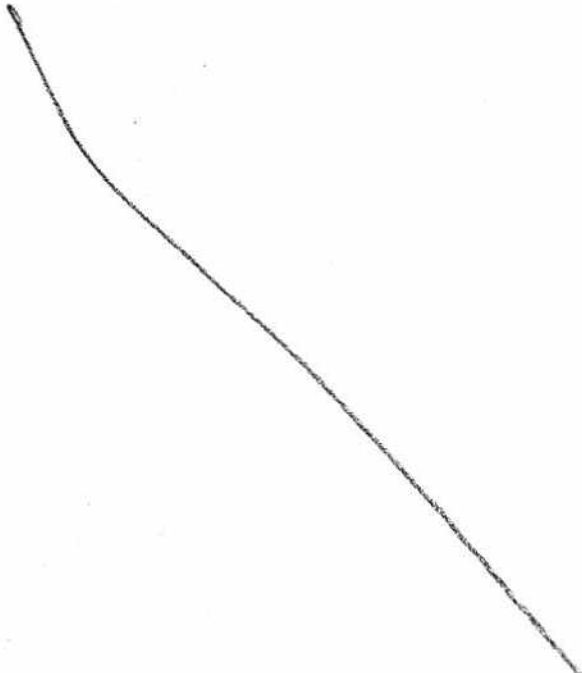
On behalf of challan No. 110 Dt. 28.11.17

for the purpose of DP

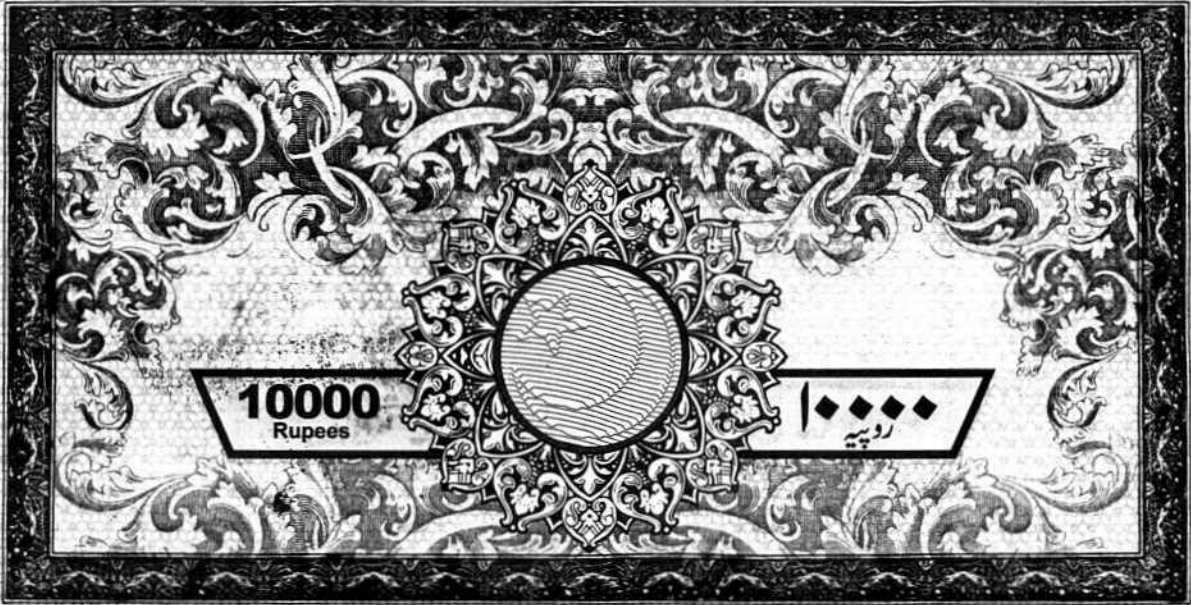
Entry No. 7 Dt. 28.11.17

[Signature]
Ex. Officer Karachi

(RUPEES TEN THOUSAND ONLY)



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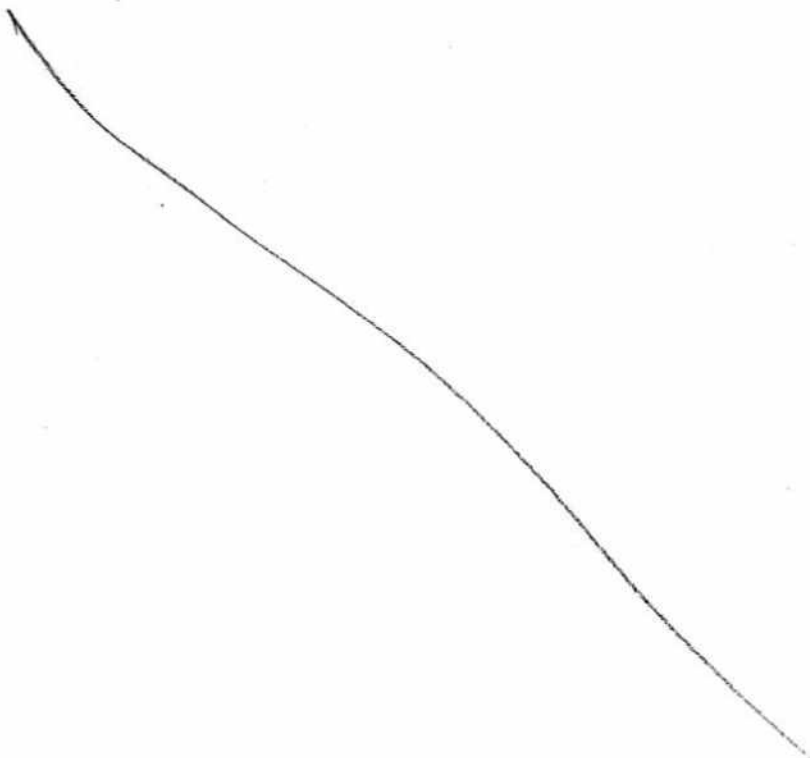


STAMP OFFICE CITY COURT, KARACHI

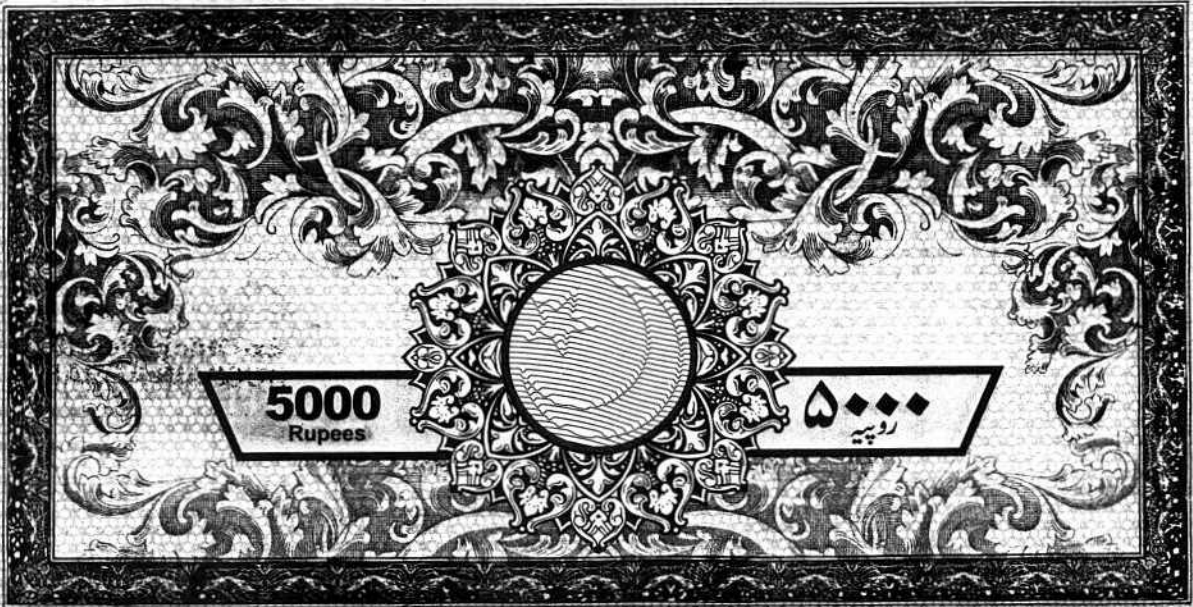
Issued to Karim Bux Bhu.
 CNIC No. 421620
 Vide D.S.R. No. 15 Dt. 20/11/17
 On behalf of challan No. 247 Dt. 20/11/17
 for the purpose of 8/7
 Entry No. 15 Dt. 20/11/17

(RUPEES TEN THOUSAND ONLY)

[Handwritten Signature]
 C.A. Officer Karachi



188386



STAMP OFFICE CITY COURT, KARACHI.

Issued to M. Waheed Khan Ach
CNIC No. 1511842

Vide D.S.R. No. 10 Dt. 30-11-19

On behalf of creditor No. 183 Dt. 30-11-19
for the purpose of S.D

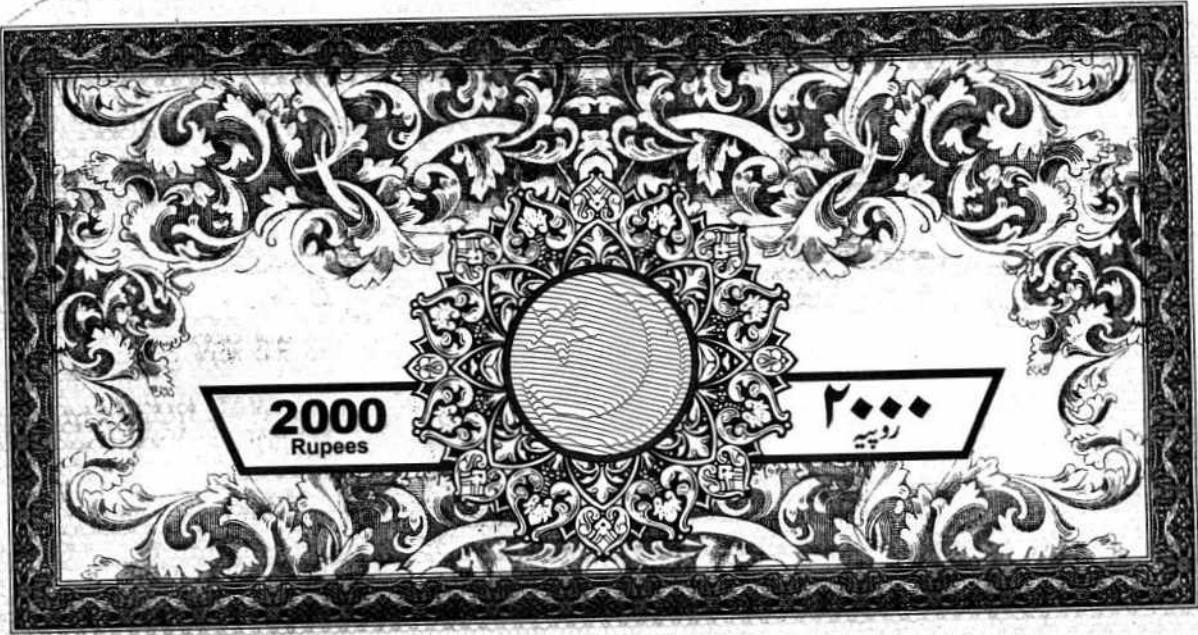
Entry No. 10 Dt. 30-11-19

[Handwritten Signature]
City Court Karachi

(RUPEES FIVE THOUSAND ONLY)



512730



DANISH AHMAD STAMP VENDOR
S.V. Lic. No.29, Suit No. 223, 11nd Floor,
Tahir Plaza, City Courts, Karachi

30 NOV 2017

RUPEES TWO THOUSAND ONLY,

S. No. 17928 DATE _____

ISSUED TO WITH ADDRESS..... **Muhammad Wais Khan Ajmeri**

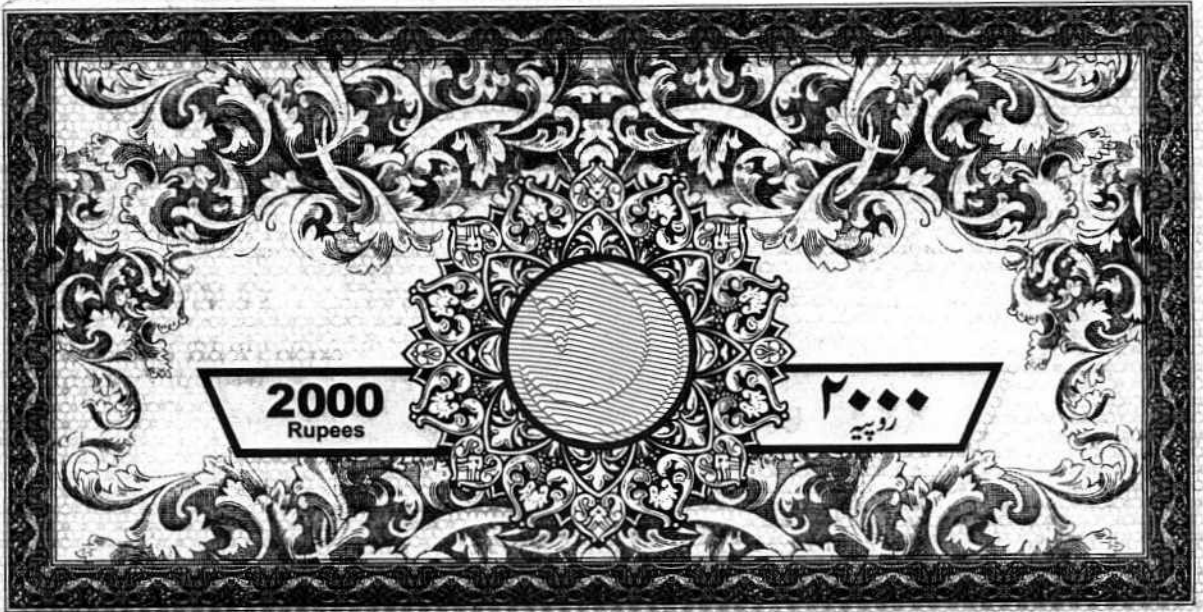
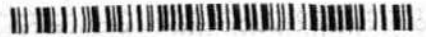
THROUGH WITH ADDRESS..... **Advocate High Court**

PURPOSE..... **Lodger No. 15113 - HC**

VALUE RS. 2000 ATTACHED.....

STAMP VENDOR'S SIGNATURE [Signature]

512729



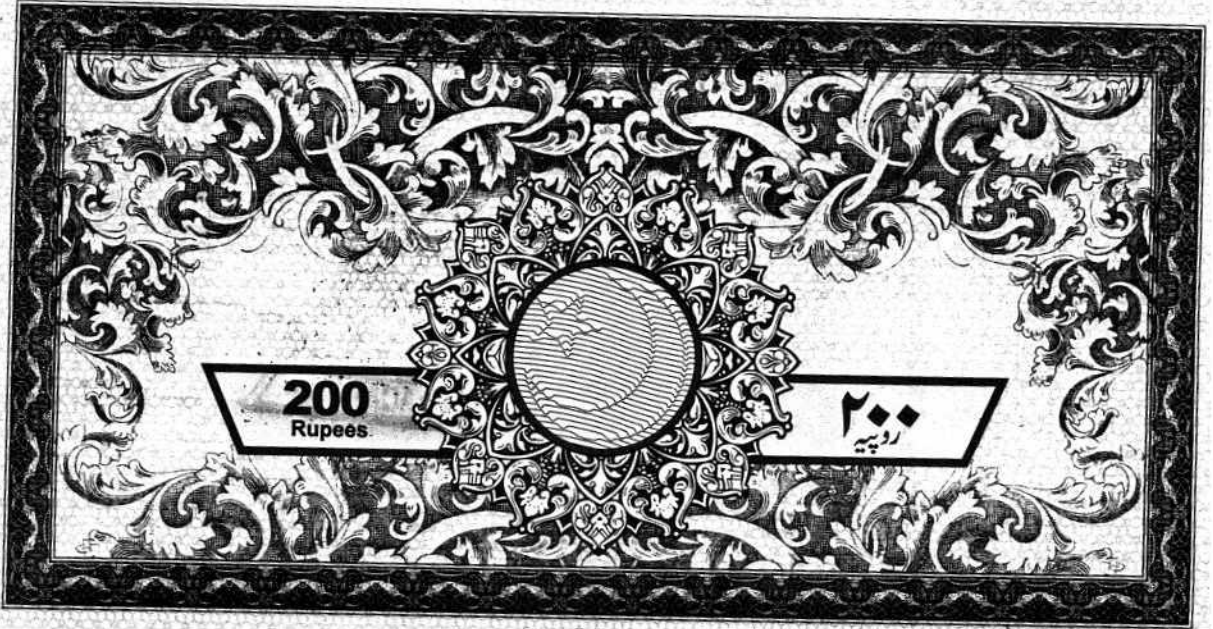
DANISH AHMAD STAMP VENDOR
S.V. Lic. No.29, Suit No. 223, IInd Floor,
Tahir Plaza, City Courts, Karachi

30 NOV 2017

(RUPEES TWO THOUSAND ONLY)

S. No. 19922 DATE.....
ISSUED TO WITH ADDRESS..... **Muhammad Wajid Khan Almeri**
THROUGH WITH ADDRESS..... **Advocate High Court**
PURPOSE..... **Ledger No. 15113 - HC**
VALUE RS. 2000/- ATTACHED.....
STAMP VENDOR'S SIGNATURE.....

B790923



DANISH AHMAD STAMP VENDOR
S.V. Lic. No. 29, Suit No. 223, 11nd Floor,
Tahir Plaza, City Courts, Karachi

29 NOV 2017

RUPEES TWO HUNDRED ONLY

S. No. 1789 ... DATE ... BILAL ARSHAD
ISSUED TO WITH ADDRESS ... Advocate - LNo. 14 Kar
THROUGH WITH ADDRESS ...
PURPOSE ...
VALUE RS. ... 200 ... ATTACHED ...
STAMP VENDOR'S SIGNATURE ...

Bid Evaluation Report

1. Name of Procuring Agency: International Center for Chemical and Biological Sciences,
University of Karachi.
2. Tender Reference No: CED/47/101017
3. Tender Description/Name of work/item: Construction of Over Head Water Tank near
existing tank behind H.E.I. main building for Development of Latif Ebrahim Jamal National
Science Information Center at ICCBS, University of Karachi.
4. Method of Procurement: Single Stage-Single Envelope
5. Tender Published: Advertised on Newspapers: 21st Sep, 2017 and at SPPRA website 26th Sep,
2017(Copy attached)
6. Total bid Sold: 07
7. Total bid Received: 05
8. Technical Bid Opening date: Nil
9. No. of eligible firms: 05
10. Firms Rejected: 00
11. Financial Bid Opening date: 10th Oct, 2017

PURCHASE COMMITTEE ICCBS INSTITUTIONS


1. **PROF. DR. M. SHAIQ ALI**

Chairman (I.C.C.B.S)


2. **DR. FARZANA SHAHEEN**

Member (I.C.C.B.S)


3. **DR. HAFIZ-UR-REHMAN**

Member (I.C.C.B.S)

Members from Institution


1. **MR. SYED JEHAZEB**

External Member


2. **MR. WAJEEH ZAIDI**

External Member

Members outside the Institution

12. Participated Firms are:

<i>S No</i>	<i>Name of Firm or Bidder</i>	<i>Cost offered by the Bidder</i>	<i>Ranking in terms of cost</i>	<i>Comparison with Estimated cost</i>	<i>Reasons for acceptance/ rejection</i>	<i>Remarks</i>
0	1	2	3	4	5	6
1.	M/s Pace Group	11,264,663.62	1 st Lowest Evaluated bidder	14.80% below	Recommended by the Procurement Committee	Accepted
2.	M/s Taha Enterprises	11,694,272.00	2 nd Lowest Evaluated bidder	11.55% below	Not recommended by the Procurement Committee due to higher price	Rejected
3.	M/s Tameezuddin Enterprises.	13,743,714.38	3 rd Lowest Evaluated bidder	3.94% above	Not recommended by the Procurement Committee due to higher price	Rejected
4.	M/s Syed and Siddiqui Associates	15,006,080.68	4 th Lowest Evaluated Bidder	13.49% above	Not recommended by the Procurement Committee due to higher price	Rejected
5.	M/s Semcon	16,657,435.34	5 th Lowest Evaluated Bidder	25.98% above	Not recommended by the Procurement Committee due to higher price	Rejected

PURCHASE COMMITTEE ICCBS INSTITUTIONS


1. PROF. DR. M. SHAIQ ALI

Chairman (I.C.C.B.S)


2. DR. FARZANA SHAHEEN

Member (I.C.C.B.S)


3. DR. HAFIZ-UR-REHMAN

Member (I.C.C.B.S)

Members from Institution


1. MR. SYED JEHAZEB

External Member


2. MR. WAJEEH ZAIDI

External Member

Members outside the Institution

issue to pace Group



BILL OF QUANTITY

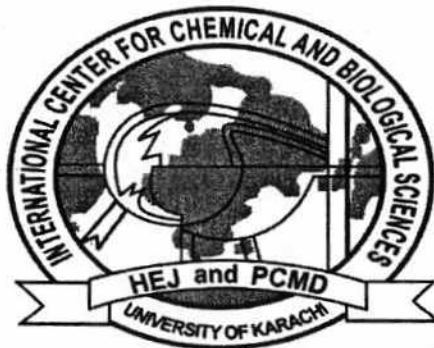
CONSTRUCTION OF OVERHEAD WATER TANK NEAR EXISTING TANKS
BEHIND H.E.J MAIN BUILDING

UNDER THE PROJECT

DEVELOPMENT OF INFRASTRUCTURE OF LATIF EBRAHIM JAMAL
NATIONAL SCIENCE INFORMATION CENTER

AT

INTERNATIONAL CENTER FOR CHEMICAL & BIOLOGICAL SCIENCE H.E.J
RESEARCH INSTITUTE OF CHEMISTRY UNIVERSITY OF KARACHI



THROUGH

CIVIL ENGINEERING OFFICE

INTERNATIONAL CENTER FOR CHEMICAL & BIOLOGICAL SCIENCES HEJ
RESEARCH INSTITUTE OF CHEMISTRY

UNIVERSITY OF KARACHI

UNIVERSITY OF KARACHI
H.E.J RESEARCH INSTITUTE OF CHEMISTRY
CONSTRUCTION OF OVER HEAD WATER TANK
NEAR EXISTING TANK BEHIND HEJ MAIN BUILDING

S.No	ITEMS OF WORKS	COST (Rs.)
	CIVIL AND ELECTRICAL WORKS	
	Composite Schedule Rate 2012 CIVIL WORK	99,719.00
	<u>0</u> % Premium on Schedule Items	
	TOTAL SCHEDULE WORK AMOUNT	99,719.00
	NON SCHEDULE ITEMS CIVIL WORK	
	A= TOTAL AMOUNT CIVIL AND ELECTRICAL WORKS	9444744.75
		9723044.75
	PLUMBING WORKS	
	NON SCHEDULE ITEMS PLUMBING WORK	
	B= TOTAL AMOUNT OF PLUMBING WORK	1441900.00
	TOTAL AMOUNT (A+B)	10986363.75
		11264663.75
	Rupees	

Consultant

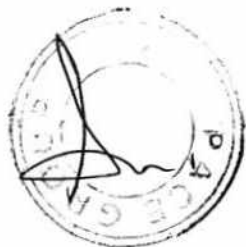
Atif Nazar (Pvt.) Ltd.

Consulting Engineers, Architects

Planners & Project Managers

Signature: 

Date: 10-10-2017





UNIVERSITY OF KARACHI
H.E.J RESEARCH INSTITUTE OF CHEMISTRY
CONSTRUCTION OF OVER HEAD WATER TANK
NEAR EXISTING TANK BEHIND HEJ MAIN BUILDING
CIVIL & ELECTRICAL WORKS
BILL OF QUANTITIES

S. NO	Particulars	Quantity	Rate	Unit	Amount
SCHEDULE ITEMS					
1	PROVIDING AND FILLING				
1.1	Approved quality earth in depressions with a radius of 5 miles (8km) breaking clouds, leveling, dressing, wattering and condolidating in 6 inches (152mm) later etc. complete including all lifts.	500.00	2,314.14	%Cft	11,570.70
2	DAMP PROOF COURSE				
2.1	P/c 2" incjes (51mm) thick damp proof course owith coment concrete 1:2:4 cast SITU using graded screened bajri of 3/4 inch 19mm and down guage mixed with any approved water proofing agent including compecting curing form work and its removal etc. complete but excluding the cost of water proofing agent.	110.00	2,659.79	%Sft	2,925.77
3	MASONRY WORK				
3.1	Providing and laying 1:3:6 cement concrete block masoanary of a minimum strength of 650 psi using approved quality fine and coarse aggregate set in 1:6 cement mortar in walls or columns superstructure and using dowels anchor at every 3 course for connection with structural members as per drawings and specifications including raking out joints and curing etc complete.				
(a)	6" thick	350.00	15,752.92	%Sft	55,135.22
4	FLOORING				
4.1	Providing and laying 6" thick stone soling of approved quality 1 1/2" to 2" size of stone ballast in floor and wherever required ,consolidating and compacting etc complete	105.00	3,251.34	%Sft	3,413.91
4.2	Providing and laying 4" thick CC 1:4:8 bed floor over stone soling using approved quality fine and coarse aggregate including compactingh levelling,consolidating,finishing and curing etc complete .	35.00	10,315.56	%Cft	3,610.45
4.3	Providing and laying 1" thick 1:2:4 cement concrete floor in panels or patterns of required size including formwork ,consolidation,finishing,curing etc complete as per drawing and specification and as directed by the engineer incharge.	690.00	1,657.93	%Sft	11,439.72





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S. NO	Particulars	Quantity	Rate	Unit	Amount
2	CONCRETE PLAIN AND REINFORCED				
2.1	Providing and laying RCC of Specified strength using approved quality crushed stone and fine aggregate in raft slab ,beam,plain or Arched type,lintels,roof slab,chajjas,purdi,staircase,(waist slab,steps,landing) and any other structural member including all kind of forms,moulds,lifting,shuttering,levelling,compacting,rodding, ,vibrating and curing etc complete.				
a)	Plinth beams (4000 psi)	328.13	475/=	Cft	155861.75
b)	Column in plinth/super structure (4000 psi) (fair finished)	1,837.50	460/=	Cft	845250.00
c)	Walls of tank (4000 psi) (fair finished)	778.60	470/=	Cft	365942.00
d)	Beams and braces (4000 psi) (fair finished)	1,805.10	470/=	Cft	848397.00
e)	Tank bottom slab 8" thick ((4000 psi) (fair finished)	666.60	480/=	Cft	319968.00
f)	Tank top slab 6" thick (4000 psi) (fair finished)	233.20	480/=	Cft	111936.00
g)	Slab 6" thick (4000 psi) (fair finished) including pump room.	123.20	450/=	Cft	55440.00
i)	RCC Short Wall 3" thick (staircase) (fair finished)	1,155.00	480/=	Cft	554400.00
j)	Cantilever steps and landing (fair finished)	357.00	460/=	Cft	164220.00
3	STEEL REINFORCEMENT				
3.1	Providing and applyinfg reinforcement of ribbed cold deform steel bars of minimum yield stress of 60000 PSI of approved manufacturer including straightening, cutting ,bending removing of rust from bars including wastage and overlap as are not shown on drawings placing in postion on precast CC spacers tying with binding wire complete with cost of steel chairs and binding wire etc [NOTE: No extra allowances will be allowed for wastage , oversize and steel chairs] for all height	43.00	115000/=	Tons	4945000
4	DECORATION,PAINTING & COLOURING:				
4.1	Providing & applying 3 coats of washable oil bound distemper of approved make and shade including preparing the base by rubbing with carborandum stone and sand paper filling depressions with puti etc including applying primer coat as per manufacturer's specification etc complete and as directed by the Engineer Incharge.	440.00	25/=	sft	11000.00



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S. NO	Particulars	Quantity	Rate	Unit	Amount
4.2	Providing and applying 3 coats of approved type Weather shield on exterior surfaces as per manufacturer specifications etc complete for all floors including applying primer coat as per manufacturers specification and as directed by the Engineers incharge.	15,850.00	63/-	Sft	998,550 713250.00
5	Providing and fixing steel windows with 4' x 1 1/4" deodar wood frame around the steel frame of standard z-section including glazing with 5mm glass where required with 1/2" x 3/4" deodar wood biding ,brass,fitting,paintings etc complete all as per drawing and specification and as directed by the Engineer incharge .				
a)	Openable Fully Glazed	15.00	500/-	Sft	7500.00
6	Providing and fixing M.S ladder of 1/4" dia M.S rings 21" wide welded or bolted to M.S angle frame as per drawing complete.	35.00	350/-	Rft	12250.00
7	Providing and fixing steel ladder ith 1" x 1/8" MS flat grilled tread of 8" deep and 2" wide at 9" c/c welded to MS angle stringers of 2"x2"x1/4" size.1 1/2" dia GI pipe railing at 1' dia G.I pipe ballastrate with and inclusive of cost of welding,fixing the ladder incement concrete 1:2:4 at first end In RCC landing at every flight by means of bolts and nights G.I pipe specials end fittings ,painting with two coat of enamel paint over a coat of Red oxide complete in all respects as per drawing and specification	77.00	2000/-	Rft	154000.00



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NO	Particulars	Quantity	Rate	Unit	Amount
8	CARPENTRY & JOINERY				
8.1	Providing making and fixing in position wooden door single or double leaf with first quality deodar wood frames and 1 1/2" thick solid core shutters with 3mm thick commercial ply on both sides of deodar wood shutters i/c framing and filling and machine pressed from approved manufacturers with deodar wood architrave on either side of door frames of required size and moulded to the required detail as shown on the drawings and 3 Nos 5" long brass hinges to each shutter and 6 Nos 9" long holdfasts made of flat iron 1"x1/8" thick with forked ends tarred and sanded with 2 1/2" long screws to each door and with best local made hardware 2 Nos 6" long tower bolts and a heavy duty approved quality standard door lock (foreign make) approved door stopper and C.P handles including painting the doors with 3 coats of approved enamel paint over a primer coat with termite control and all wood preservative applications all complete as per drawing specifications and as directed by the Engineer Incharge	21.00	1000/=	Sft	21000.00
9	Providing and fixing 3/4" dia G.I pipe railing complete as drawing				
(a)	Along RCC Wall	155.00	300/=	Rft	46500.00
(b)	Around shaft	18.00	300/=	Rft	5400.00
10	Providing and embedding monkey ladder of 3/4" dia M.S rings 15" wide and projecting 6" clear from the face of the column to be fixed while concreting the RCC column complete as per drawing (projecting)	19.00	350/=	Nos	6650.00
11	Providing and fixing C.I Manhole cover and frame of 2'x2' inside dimension weight 1 cwt : 1 qrt., to RCC slab as per drawing complete with locking arrangement as required	1.00	8000/=	Nos	8000.00
12	Providing and fixing lightening indicator on top of the tank as per specification and drawing complete	1.00	15000/=	Nos	15000.00
13	Providing and fixing construction joints with corrugated hydro file PVC water stops etc: as per drawing and instruction	160.00	100/=	Rft	16000.00
14	Providing and applying two coats of hot Bitumen grade 10-20 of Lbs/100 Sft each coat to C.C Surface in contact with earth etc; complete as per drawing, specification and as directed by the Engineer Incharge	1,645.00	14/=	Sft	23030.00



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S. NO	Particulars	Quantity	Rate	Unit	Amount
NON SCHEDULE ITEMS					
1	Excavation for pipe line in trenches and drains in all kinds of soil including trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade including all operation of dewatering and back filling the excavated material, including breaking clods, watering, consolidation by ramming in layers not exceeding 9 inches in depth to full compaction and disposal of surplus excavated stuff as directed all lead and lifts as per drawings, specification and as directed by the Engineer Incharge				
a	Ordinary soil	200	10/=	Cft	2000.00
b	Hard Rock	500	25/=	Cft	12500.00
2	Providing and laying 6" thick layer sand cushion in trenches under pipe line etc. complete as per drawings specification and as directed by the Engineer Incharge	120	70/=	Cft	8400.00
3	Providing and fixing P.E Pipes including all necessary fittings (tees, sockets, elbows, crosses etc) required for the job clamping or anchoring the pipe to walls and/or laying under ground pipes including protection by bituminous hessian wherever required including making cuts and holes in walls and floors and making good the same in cement etc. and testing the pipe line to pressure head of 200 ft including cost of all labour, material and cartage etc; complete. (made of I.I.L or approved equivalent)				
c	3 inch dia	400	300/=	Rft	120000.00
d	4 inch dia	1150	440/=	Rft	506000.00
4	Providing and fixing Gun Metal full way gate valve of approved heavy type complete:				
c	3 inch dia	4	10000/=	Each	40000/=
d	4 inch dia	3	12000/=	Each	36000.00



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