



MSDP

Municipal Services Delivery Program
P & D Department, Government of Sindh



USAID
FROM THE AMERICAN PEOPLE

No. PMU/MSDP/PS/CPWS-05/2014-15/
Karachi, dated the 29th August 2014

M/S Matracon Pakistan (Pvt) Limited,
House No:276-B, Main Double Road, F-10/4,
Islamabad

Subject: LETTER OF AWARD/WORK ORDER

CONTRACT PACKAGE WS-05-WATER DISTRIBUTION SYSTEM
ZONE-3 & 4

The Competent Authority is pleased to award you a contract for the work of 'Contract Package WS-05 Water Distribution System Zone-3 & 4' for the arithmetically corrected amount of Pk Rs. 220,798,980/- (Pakistan rupees, two hundred twenty million, seven hundred ninety eight thousand and nine hundred eighty only), including a Provisional Sum of Pk Rs. 500,000/- is hereby accepted with corrections and modification as stated here below:

- a) **The acceptance of bid shall not prejudice the right of 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 and material**
 - iv) **Contractor's supervisory staff**

2. Please note that work should be carried out strictly in accordance with the specification and drawings. Terms and conditions agreed to as per contract agreement executed between you (i.e. M/S Matrocon Pakistan (Pvt) Ltd) and Procuring Agency (i.e. Municipal Services Delivery Program USAID).

3. You are requested to collect commencement letter from M/S AAA/Techno Consultant International, Karachi. The stipulated period of completion is 360-days as per Sr. No:6 of Special Stipulation Clause (condition of contract) in the bidding documents and will be determined from actual date of commencement.

4. The execution of work and quality control shall be supervised by the M/S AAA/Techno Consultant International and payment towards work done shall be released after verification of bill by the consultant.

5. You are also requested to please attend this office for signing and completion of the contract agreement at a very early date alongwith the following documents:

- i) Copy of Ownership duly attested by the Competent Authority
- ii) Power of Attorney in favour of person authorized to sign the Contract Agreement and receive the payment on behalf of the firm



h/w
(MUHAMMAD NAEEM WAHEED)
PROCUREMENT SPECIALIST
PMU- SINHD MSDP

A Copy is forwarded for information to:

1. *The Additional Chief Secretary (Dev) P&D Department, Government of Sindh, Karachi*
2. *The Managing Director, SPPRA, Karachi*
3. *Mr. Ghufraan Shaif, MSDP Engineering Specialist, USAID/Pakistan, US Consulate, Karachi*
4. *Chief of the Party, AAA+TCI, Karachi for issuance of letter of commencement*
5. *M/S Muhammad Idrees, Karkhana Shaikh Salahuddin Chowk, Shahdra, Bahwalpur*
6. *M/S Samad Khan Babar & Co, H # C-225, Block-A, North Nazimabad Karachi*
7. *M/S Muhammad Ayub & Brothers, 815/C, Block-2, Central Commercial Area PECHS, Karachi*
8. *M/S RMG Gulistan Engineering & Contractors, F-104, Block-F, North Nazimabad, Karachi*
9. *M/S Crescent Construction Co & KSB Engineering & Contractors, SA-23, 2nd Floor, Shahnaz Arcade, Shaheed-e-Millat Road, Karachi.*
10. *P.S. to Program Director, USAID-Sindh MSDP Karachi*
11. *P.S. to Director General (Works) USAID-Sindh MSDP Karachi*

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

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

- 1) NAME OF THE ORGANIZATION / DEPTT. Municipal Services Delivery Program, PMU, P&D Departement, Govt of Sindh Karachi
- 2) PROVINCIAL / LOCAL GOVT./ OTHER Provincial
- 3) TITLE OF CONTRACT CP WS-05, Water Distribution System Zone 3 & 4
- 4) TENDER NUMBER CP WS-05 dated 17.05.2014
- 5) BRIEF DESCRIPTION OF CONTRACT Establishment of Water Distribution Network Zone 3 & 4
- 6) FORUM THAT APPROVED THE SCHEME ECNEC
- 7) TENDER ESTIMATED VALUE _____
- 8) ENGINEER'S ESTIMATE (For civil works only) Rs.229,206,394/-
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) 360 days
- 10) TENDER OPENED ON (DATE & TIME) 03.03.2014 at 1400 hrs
- 11) NUMBER OF TENDER DOCUMENTS SOLD 07
(Attach list of buyers)
- 12) NUMBER OF BIDS RECEIVED 04
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS 04
- 14) BID EVALUATION REPORT (Enclose a copy) attached
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER M/S Matrocon Pak Ltd,H#276/B,F-10/4, Islamabad
- 16) CONTRACT AWARD PRICE Rs.220,795,980/-
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (i.e. 1st, 2nd, 3rd EVALUATION BID).
1st M/S Matrocon Pakistan (Pvt) Ltd
2nd M/S Muhammd Ayub & Brothers
3rd M/S Muhammad Idrees Karkhana Shaikh
- 18) METHOD OF PROCUREMENT USED : - (Tick one)
- a) SINGLE STAGE – ONE ENVELOPE PROCEDURE yes 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	PQR Notice at Sr. No:14620 dt 06.12.12 NIT at Sr No:18783 dt 29.01.14
No	

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

Yes	PQR notice Kawish dt 24.11.2012, Jang dt 25.11.2012 & E.Tri dt 05.12.13
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"/>
-----	-------------------------------------	----	--------------------------

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"/>
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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"/>
-----	-------------------------------------	----	--------------------------

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

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	

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"/>
-----	-------------------------------------	----	--------------------------

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"/>
-----	-------------------------------------	----	--------------------------

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

Yes	
No	No

Signature & Official Stamp of
Authorized Officer

M. Naeem Waheed
M. NAEEM WAHEED
Procurement Specialist
USAID-Sindh MSDP

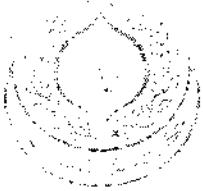
FOR OFFICE USE ONLY

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

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Project Management Unit (PMU)
Municipal Services Delivery Program (MSDP)
P&D Department, Government of Sindh

**A&E Services for Jacobabad Water, Wastewater, and
Solid Waste Infrastructure**

CONTRACT PACKAGE WS-05

Water Distribution Network Zone 3 & 4

BIDDING DOCUMENTS

VOLUME- I (B)

**FORM OF BID AND APPENDICES
INCLUDING BOQ**



November – 2013

Issued to: M/S Matricon Pakistan (Pvt) Ltd Date: 22-1-2014

Funded by:	Joint Venture:	In Association With:
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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

WS - 05: WATER DISTRIBUTION NETWORK ZONE 3 & 4

BILL OF QUANTITIES

CIVIL WORKS

SUMMARY OF PACKAGE #5

BILL NR	TITLE	AMOUNT
A	WATER DISTRIBUTION NETWORK	138,64,925
B	VALVE CHAMBER (2 Nos) LARGE SIZE	980,752
C	OVER HEAD RESERVOIR FOR 220,000 GALLONS	43,582,568
D	OVER HEAD RESERVOIR FOR 125,000 GALLONS	30,387,738
E	BOUNDARY WALL, (FOR BOTH RESERVOIRS)	12,16,486
F	GENERAL WORKS	7,000,000
G	DAY WORKS SCHEDULE	816511
TOTAL (A TO G)		222,048,980
GRAND TOTAL		220,798,980

Amount in Words: *Two hundred twenty two Million, Forty Eight thousand Nine hundred Eighty only*

Total Carried to Bid Form: *Two hundred twenty two Million, Seven hundred eighty eight thousand, nine hundred eighty only -*

SIGNATURE OF CONTRACTOR

SEAL



3/2

MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

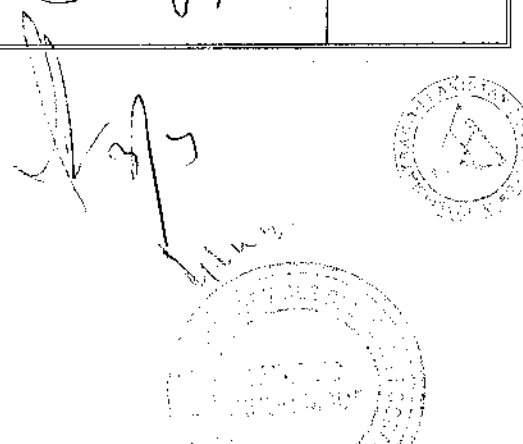
CIVIL WORKS

BILL NO - A :- WATER DISTRIBUTION NETWORK

S.NO	Item Description	Unit	Quantity	Rate		Amount
				In figure	In words	(Rs.)
A/1	Excavation for pipe line including backfilling, compacting the earth in 6" layers, levelling and dressing and disposing off remaining earth lead upto 2 kms.	cu.m	26,288	410.00	Four hundred Ten	10,778,080
A/2	Excavation for laying pipe line including cutting road, backfilling, compacting the earth in 6" layer, leveling and dressing and disposing of the remaining earth lead up to 3.0 kms.	cu.m	6,045	512.00	Five hundred Twelve.	3,095,040
A/3	Providing and Laying HDPE - 100 pipe lines and fittings (Hi-Tech, Dadex or equivalent) manufactured conforming to ISO 4427, DIN 8074 and PS 3580-1994 including cutting but fusion jointing in trenches, testing to required pressure. This includes cartage of pipe lines to the site of the work, commissioning and testing of the pipe line net work laid in related zones, and the execution of the work according to specifications, drawings and as per directions of the Engineer.					
	<u>Pressure - 8 bar pipes</u>					
	(i) 75mm Outer Dia.	m	26,611	277.00	Two hundred Seventy Seven	7371247
	(ii) 110mm Outer Dia	m	6,390	595.00	Five hundred nnty five	3802050
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

SEAL



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - A :- WATER DISTRIBUTION NETWORK



S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	(iii) 160mm Outer Dia	m	4,555	1199	Eleven hundred ninety nine	5461445
	(iv) 200mm Outer Dia <u>Pressure - 10 bar pipes</u>	m	2,870	1844	eighteen hundred Forty Four	5292280
	(v) 250mm Outer Dia	m	1,750	2857	Two thousand eight hundred Fifty seven	4499750
	(vi) 315mm Outer Dia	m	2,495	5746	Five thousand Seven hundred Forty six	14336270
	(vii) 355mm Outer Dia	m	300	7301	Seven thousand Three hundred one	2190300
	(viii) 400mm Outer Dia	m	300	9216	Nine thousand Two hundred sixteen	2764800
	<u>Fittings 8 - bars</u>					
	<u>(a) Bends</u>					
	(i) 75mm Outer Dia	No	360	1450	one thousand Four hundred Fifty	522600
	(ii) 110mm Outer Dia	No	1,800	1958	one thousand nine hundred Fifty eight	3524400
	(iii) 160mm Outer Dia	No	100	3625	Three thousand Six hundred Twenty Five	362500
	(iv) 200mm Outer Dia	No	25	6090	Six thousand ninety	152250
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

SEAL



[Handwritten Signature]

MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

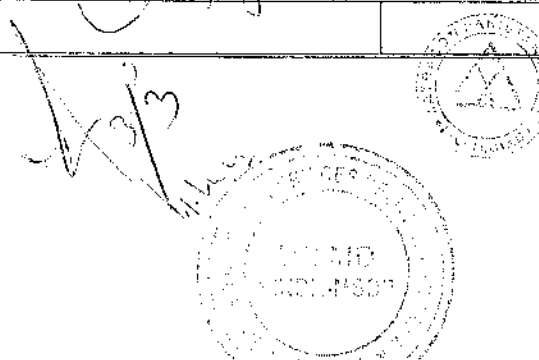
CIVIL WORKS

BILL NO - A - WATER DISTRIBUTION NETWORK

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	<u>10- bars</u>					
	(v) 250mm Outer Dia	No	30	12108	Twelve thousand one hundred eight	363240
	(vi) 315mm Outer Dia	No	25	13775	Thirteen thousand seven hundred and seventy five	344375
	(vii) 355mm Outer Dia	No	20	20445	Twenty thousand Four hundred Forty Five	408900
	(viii) 400mm Outer Dia	No	8	24795	Twenty four thousand seven hundred ninety five	198360
	<u>(b) Reducer 8-bars</u>					
	(i) 200 x 160mm Outer Dia	No	6	3625	Three thousand six hundred twenty five	21750
	(ii) 160 x 110mm Outer Dia	No	45	2291	Two thousand two hundred ninety one	103095
	(iii) 110 x 75mm Outer Dia	No	20	1740	One thousand seven hundred forty	34800
	<u>10- bars</u>					
	(ii) 250 x 160mm Outer Dia	No	20	8120	Eight thousand one hundred twenty	162400
	(iii) 315 x 110mm Outer Dia	No	20	13195	Thirteen thousand one hundred ninety five	263900
	<u>(c) Tees</u>					
	(i) 75 x 75 x 75mm Outer Dia	No	150	2175.00	Two thousand one hundred seventy five	326250
	(ii) 110 x 75 x 110mm Outer Dia	No	210	2741	Two thousand seven hundred forty one	575610
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

SEAL



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - A - WATER DISTRIBUTION NETWORK

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	(iii) 160 x 75 x 160mm Outer Dia	No	130	6815	Six thousand eight hundred fifteen	885950
	(iv) 200 x 110 x 200mm Outer Dia	No	20	7830	Seven thousand eight hundred thirty	156600
	(v) 200 x 160 x 200mm Outer Dia	No	20	8265	Eight thousand two hundred sixty five	165300
	10 - bars					
	(vi) 250 x 110 x 250mm Outer Dia	No	25	18705	Eighteen thousand seven hundred five	467625
	(vii) 250 x 160 x 250mm Outer Dia	No	10	20155	Twenty thousand one hundred fifty five	201550
	(viii) 315 x 75 x 315mm Outer Dia	No	25	31755	Thirty one thousand seven hundred fifty five	793875
	(ix) 315 x 100 x 315mm Outer Dia	No	40	31755	Thirty one thousand seven hundred fifty five	1270200
	(x) 315 x 160 x 315mm Outer Dia	No	25	31755	Thirty one thousand seven hundred fifty five	793875
	(xi) 315 x 200 x 315mm Outer Dia	No	6	31755	Thirty one thousand seven hundred fifty five	190530
	(xii) 350 x 250 x 300mm Outer Dia	No	6	59305	Fifty nine thousand three hundred five	355830
	(xiii) 355 x 300 x 355mm Outer Dia	No	6	42630	Forty two thousand six hundred thirty	255780
	(xiv) 400 x 355 x 400mm Outer Dia	No	8	62930	Sixty two thousand nine hundred thirty	503440
	(d) Stab Ends					
	8 - bars					
	(i) 110mm Outer Dia	No	180	1559	one thousand five hundred fifty nine	280620
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

SEAL



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

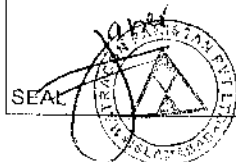
BILL OF QUANTITIES

CIVIL WORKS

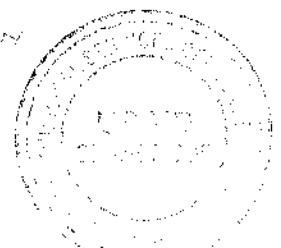
BILL NO - A :- WATER DISTRIBUTION NETWORK

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	(ii) 160mm Outer Dia 10 - bars	No	20	5800	Five thousand Eight hundred	116000
	(ii) 250mm Outer Dia	No	15	5800	Five thousand Eight hundred	87000
	(iv) 315mm Outer Dia	No	15	8120	Eight thousand one hundred twenty	121800
	(v) 355mm Outer Dia	No	6	8120	Eight thousand one hundred twenty	48720
	(vi) 400mm Outer Dia	No	4	13195	Thirteen thousand one hundred ninety five	52780
A/4	Providing and Fixing Pressure gauges of approved quality on 600mm pipe with 1.5 meter long 20 mm G.I pipe and clamp to suit the diameter of pipe, with welded socket including nuts bolts etc complete as per specifications and direction of Engineer.	No	2	2393	Two thousand three ninety three	4786
A/5	Providing and Fixing Gate Valves of required dia of imported approved quality tested on 10 bars including rubber packing, galvanized nuts and bolts; etc complete as per drawings specification (Test certificate from manufacturer) and as per direction of Engineer.	No			Two thousand three hundred ninety three	4786
	(i) 110mm Outer Dia	No	30	19270	Eighteen thousand two hundred seventy	548100
	(ii) 160mm Outer Dia	No	8	28928	Twenty Eight thousand Nine hundred twenty eight	231424
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR



Handwritten signature and initials



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - A - WATER DISTRIBUTION NETWORK

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	(iii) 250mm Outer Dia	No	6	45675	Forty five thousand Six hundred Seventy Five	274050
	(iv) 315mm Outer Dia	No	6	83738	eighty three thousand Seven hundred thirty eight	502428
	(v) 355mm Outer Dia	No	2	137025	one hundred thirty seven thousand Two hundred twenty five	274050
	(vi) 400mm Outer Dia	No	2	228375	Two hundred twenty eight thousand three hundred Seventy Five	456750
A/6	Installation of 20mm dia: residential connection, including 32mm wide MS clamps 5mm thick to suite the dia of the pipe with 20mm socket, and other necessary fittings, gasket, nuts bolts etc and fixing with connection pipe, including cost of RCC sleeve 80mm grouting inside in annular space to protect the connection of the pipe from contamination, at the place of drain crossing according to specifications, drawings and as directed by the Engineer.	No	8,000	2175	Two thousand one hundred Seventy Five	17400000
A/7	Providing and Fixing HDPE - 100, 20mm dia pipe for residential connections, including cutting, fitting and laying into a trench to the residential units, according to specifications, drawings and as directed by the Engineer.	m	160,000	44	Forty Four	7040000
A/8	Construction of Chamber for small size gate valves with 1st class brick masonry in cement sand ratio 1:4, 225mm (9") thick of required height with stone soiling base, blinding concrete, Rcc pre-cast slab as shown in drawings, and according to specifications and instructions of Engineer.	No	54	54375	Fifty Four thousand Three hundred Seventy Five	2956250
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

SEAL



MUNICIPAL SERVICES PROGRAM, (MSP) JACOBABAD

BILL OF QUANTITIES



CIVIL WORKS

BILL NO - A - WATER DISTRIBUTION NETWORK

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
A/9	Providing and Fixing black steel MS pipe API 5L grade X-42 spirally welded Sleeve externally asphalt coated with fiber glass 5 mm thick (2 layers) used as a sleeve for HDPE 100 pipe including jacking arrangements for water main/ distribution line crossing water channels/ Nullahs to protect pipes from contamination. This also includes the welding, cartage, of the MS sleeve cost of bend of any degree, cc grouting of approved ratio according to specifications, drawings as per direction of Engineer.					
	i) Sleeve 300mm dia - 5.6mm thick	m	15	44225	Fifty four thousand two hundred twenty five	663375
	ii) Sleeve 350mm dia - 5.6mm thick	m	45	47125	Forty seven thousand one hundred twenty five	2120625
	ii) Sleeve 450mm dia - 6.4mm thick	m	30	52725	Fifty two thousand seven hundred twenty five	1587750
A/10	Providing and Fixing RCC Sleeve of (approved quality) for protection of 75mm and 100mm dia distribution lines crossing drains to protect them from contamination including CC grouting in annular space. This also include cartage of the pipe to the site of the work.	m	200	2197	Two thousand one hundred ninety seven	439400
A/11	Connection of G.I/ MS pipe 75mm to 110mm with HDPE-100 pipe, including cost of flange welded on G.I/ MS pipe, stub ends, but fusion welded on PE pipe, making holes, rubber packing (gasket), nuts bolts etc complete as per specification and direction of Engineer.					
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

 SEAL

MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - A :- WATER DISTRIBUTION NETWORK

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	i) 75mm to 110mm - Outer Dia	No.	70	14384	Fourteen thousand three hundred eighty four	1006880
	ii) 160mm - Outer Dia	No.	4	20718	Twenty thousand seven hundred eighteen	82872
	iii) 200mm - Outer Dia	No.	4	74185	Seventy four thousand one hundred eighty five	296740
	iv) 250mm - Outer Dia	No.	4	110636	one hundred ten thousand six hundred thirty six	442544
	v) 315mm - Outer Dia	No.	4	151006	one hundred fifty one thousand six	604024
A/12	Providing and fixing stand post consisting of 20mm G.I pipe up to 5 meter, connection from water distribution line, including welding of sockets, bends, cutting, fitting in a trench painting G.I pipe with non corrosive paint, construction of platform 1 x 1 m as shown in drawings as per specifications and as approved by the Engineer.	No.	20	2103	Two thousand one hundred three	42060
A/13	Restoration of Asphalt pavement/ roads including, preparation of N.G.L to receive base material, asphalt cutting at edges and removal, laying of sub base, aggregate base course, prime coat, wearing course and required lab testing; complete with compaction and as shown in the drawings as directed/ approved by the Engineer.	sq.m	12,025	1958	one thousand nine hundred fifty eight	23544950
A/14	Restoration of CC block pavement with cement concrete Class - A Pavement 80 mm thick using ordinary Portland cement including formwork, mixing, pouring, vibrating, levelling, compacting, curing etc. complete as per specifications and approval of the Engineer.	sq.m	2,775	1212	one thousand two hundred twelve	3363300
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - A - WATER DISTRIBUTION NETWORK

No.	Page No.	Amount (Rs)
<u>COLLECTION</u>		
1	B.O.Q Page NO - 2	
2	B.O.Q Page NO - 3	
3	B.O.Q Page NO - 4	
4	B.O.Q Page NO - 5	
5	B.O.Q Page NO - 6	
6	B.O.Q Page NO - 7	
7	B.O.Q Page NO - 8	
8	B.O.Q Page NO - 9	
CARRIED FORWARD TO SUMMARY OF COST		138,064.92

SIGNATURE OF CONTRACTOR

SEAL



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - B :- VALVE CHAMBER (2 Nos) for 400mm size valve

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
B/1	Excavation for foundation, trenches and drain in all kinds of soils (except hard rock), including all operations of site i.e. dag belling/ dewatering, leveling, dressing and ramming the excavated surface and throwing excavated earth clearing of edges of excavation, and backfilling the excavated material in 150mm layers in excavated pits, plinth and under floor where ever required around the structure, watering and ramming etc. complete up to required depth as per drawings, specifications and as directed by the Engineer.	cu.m	135	410	Four hundred ten	55350
B/2	Providing and laying Stone Soling in foundation/ floor for bedding including leveling, grading and compacting all complete as per drawings, specifications and as directed by the Engineer.	cu.m	5	2306	Two thousand three hundred six	11530
B/3	Providing and applying 2 coats of bitumen painting at 0.75 sq.m per Kg in each coat around structure or where ever required; complete as per drawings, specifications and as directed by the Engineer.	sq.m	110	377	Three hundred seventy seven	41470
B/4	Providing and laying plain cement concrete Class-E(1), using sulphate resisting cement in foundation and plinth or where required, formwork, mixing, pouring, leveling, compacting, vibrating and curing; complete as per drawings, specifications and as directed by the Engineer.	cu.m	3	9983	Nine thousand nine hundred	29949
CARRIED TO COLLECTION					eighty three	

SIGNATURE OF CONTRACTOR

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 2/3/19
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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - B :- VALVE CHAMBER (2 Nos) for 400mm size valve

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
B/5	Providing and laying RCC Class-A(1), using sulphate resisting cement in foundation, plinth, column and R.C.C wall including formwork, mixing, pouring, leveling, compacting, vibrating and curing/ curing compound, complete as per drawings, specification and as directed by the Engineer, (Steel reinforcement to be measured separately)					
	i) In Base and pad	cu.m	12	12724	Twelve thousand Seven hundred Twenty Four	152688
	ii) In Walls	cu.m	12	15950	Fifteen thousand Nine hundred Fifty	191400
	iii) In Slab	cu.m	4	15950	Fifteen thousand Nine hundred Fifty	63800
B/6	Providing, Placing and fixing in position Deformed steel reinforcement bars, conforming to, ASTM A-615 with minimum Yield strength of 60,000 psi, including cutting, bending, binding, straightening, wastage, overlaps, chairs and tying with binding wire, at any height and any floor, complete as per design, drawings, specifications and as directed by the Engineer.	tonne	3	135575	one hundred thirty five thousand Five hundred Seventy Five	406725
B/7	Providing and fixing Galvanized iron rungs in chamber, complete as per drawings, specification and as directed by the Engineer.	No.	22	870	eight hundred Seventy	19140
B/8	Providing and fixing Precast Manhole cover in chamber, complete as per drawings, specifications and as directed by the Engineer.	No.	2	4350	Four thousand Three hundred Fifty	8700
CARRIED TO COLLECTION						

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

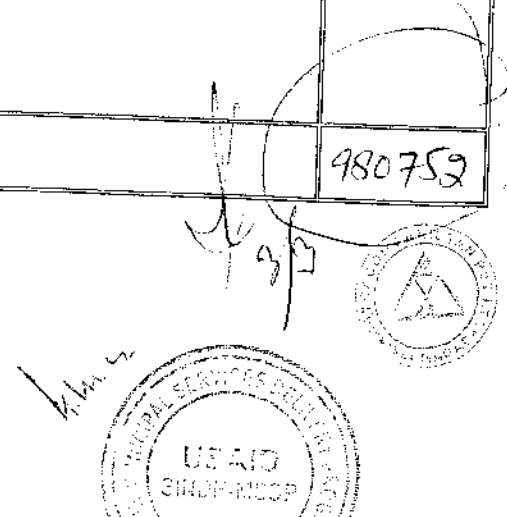
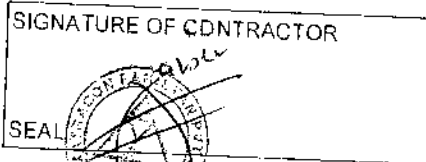
CIVIL WORKS

BILL NO - B : - VALVE CHAMBER (2 Nos) for 400mm size valve

No	Page No.	Amount (Rs)
<u>COLLECTION</u>		
1	B.O.Q Page NO - 11	
2	B.O.Q Page NO - 12	
CARRIED FORWARD TO SUMMARY OF COST		980752

SIGNATURE OF CONTRACTOR

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Official Seal 1: **USAID**
MUNICIPAL SERVICES PROGRAM

Official Seal 2: **USAID**
MUNICIPAL SERVICES PROGRAM

MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - C - - OVER HEAD RESERVOIR FOR 220,000 GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
C/1	Excavation for foundation, trenches and drain in all kinds of soils (except hard rock), including all operations of site i.e. dewatering, leveling, dressing and ramming the excavated surface and throwing excavated earth clearing of edges of excavation, and backfilling the excavated material in 150mm layers in excavated pits, plinth and under floor where ever required around the structure, watering and ramming etc. complete up to required depth as per drawings, specifications and as directed by the Engineer.	cu.m	1,420	410	Four hundred ten	582200
C/2	Providing and laying Stone Soiling in foundation/ floor for bedding including leveling, grading and compacting all complete as per drawings, specifications and as directed by the Engineer.	cu.m	125	2306	Two thousand three hundred six	288250
C/3	Providing and applying 2 coats of bitumen painting at 0.75 sq.m per Kg in each coat around structure or where ever required, complete as per drawings, specifications and as directed by the Engineer.	sq.m	445	377	Three hundred Seventy Seven	167765
C/4	Providing and laying plain cement concrete Class-E(1), using sulphate resisting cement in foundation and plinth or where required, formwork, mixing, pouring, leveling, compacting, vibrating and curing, complete as per drawings, specifications and as directed by the Engineer.	cu.m	65	9983	Nine thousand Nine hundred eighty three	648895
CARRIED TO COLLECTION						

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - C :- OVER HEAD RESERVOIR FOR 220,000 GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
C/5	Providing and applying Polymer based Elastomeric or equivalent, to be used as water proofing for fresh concrete in tank wall, complete as per drawings, specifications and as directed by the Engineer.	sq.m	570	4698	Four thousand Six hundred Ninety Eight	2677860
C/6	Providing and laying 38.0 mm thick topping cement concrete Class - A into surface finishing and dividing into Pannels, complete as per drawings, specification and as directed by the Engineer.	sq.m	38	618	Six hundred Eighteen	23484
C/7	Providing and laying RCC Class-A(1), using sulphate resisting cement in foundation, plinth and column, including formwork, mixing, pouring, leveling, compacting, vibrating and curing compound, complete as per drawings, specification and as directed by the Engineer, (Steel reinforcement to be measured separately)					
	i) In Base	cu.m	231	12724	Twelve thousand Seven hundred Twenty four	2939244
	ii) In Columns	cu.m	17	15950	Fifteen thousand Nine hundred	271150
	iii) In Plinth Beam	cu.m	3	15950	Fifty	47850
C/8	Providing and laying RCC Class-A, using ordinary Portland cement in reservoir slabs, beams, wall and columns, including formwork, mixing, pouring, leveling, compacting, vibrating and curing compound, complete as per drawings, specification and as directed by the Engineer, (Steel reinforcement to be measured separately).					
	(a) In Columns					
	i) From +0.00 to +4.100 level.	cu.m	28	15617	Fifteen thousand Six hundred Seventeen	437276
CARRIED TO COLLECTION						

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - C :- OVER HEAD RESERVOIR FOR 220,000 GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
ii)	From +4.100 to +8.200 level.	cu.m	28	16124	Sixteen thousand one hundred twenty four	451472
iii)	From +8.200 to +12.300 level.	cu.m	28	16632	Sixteen thousand six hundred thirty two	465696
iv)	From +12.300 to +16.400 level.	cu.m	28	17139	Seventeen thousand one hundred thirty nine	479892
v)	From +16.400 to +20.500 level.	cu.m	28	17647	Seventeen thousand six hundred forty seven	494116
vi)	From +20.500 to +24.600 level.	cu.m	28	18154	Eighteen thousand one hundred fifty four	508312
vii)	From +24.600 to 28.575 level.	cu.m	3	18662	Eighteen thousand six hundred sixty two	55986
(b) In Beams						
i)	At elevation +4.100 level.	cu.m	31	16545	Sixteen thousand five hundred forty five	512895
ii)	At elevation +8.200 level.	cu.m	31	17052	Seventeen thousand five hundred two	538612
iii)	At elevation +12.300 level.	cu.m	31	17560	Seventeen thousand five hundred sixty	544360
iv)	At elevation +16.400 level.	cu.m	31	18067	Sixty eight thousand seven	560077
v)	At elevation +20.500 level.	cu.m	31	18575	Sixty eight thousand seven hundred seventy five	575825
vi)	At elevation +24.600 level.	cu.m	23	19082	Eighteen thousand eight hundred eighty two	438886
vii)	At elevation +29.100 level.	cu.m	6	19590	Nineteen thousand five hundred ninety	117540
CARRIED TO COLLECTION					Ninety	

SIGNATURE OF CONTRACTOR

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

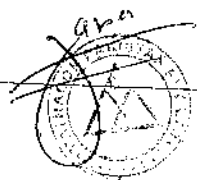
CIVIL WORKS

BILL NO - C : - OVER HEAD RESERVOIR FOR 220,000 GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	(c) In Bottom Slab	cu.m	120	18161	Eighteen thousand one hundred sixty one	2179320
	(d) In Wall	cu.m	116	18161	Eighteen thousand one hundred sixty one	2106676
	(e) In Top Slab	cu.m	65	18161	Eighteen thousand one hundred sixty one	1180465
	(f) In Slab of Room	cu.m	7	15841	Fifteen thousand eight hundred forty one	110887
	(g) In Lintel of Room	cu.m	1	18053	Eighteen thousand five	18053
	(h) In Stair case	cu.m	20	18053	Eighteen thousand five	361060
C/9	Providing, Placing and fixing in position Deformed steel reinforcement bars, conforming to, ASTM A-615 with minimum Yield strength of 60,000 psi, including cutting, bending, binding, straightening, wastage, overlaps, chairs and tying with binding wire, at any height and any floor, complete as per design, drawings, specifications and as directed by the Engineer	tonne (1000kgm)	112	135575	one hundred thirty five thousand five hundred seventy five	15184400
C/10	Providing and fixing pvc water stopper 250mm wide with double bulb at center to center of wall, complete as per drawings, specifications and as directed by the Engineer.	m	144	1046	one thousand forty six	150624
CARRIED TO COLLECTION						

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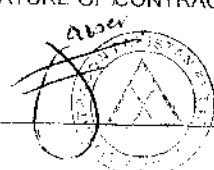
MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - C - OVER HEAD RESERVOIR FOR 220,000 GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
C/11	Providing and laying first class solid Burnt brick masonry (of approved quality) including scaffolding, raking out joints and curing; in walls straight or curved; with 1:4 cement sand mortar in superstructure walls at any height and any floor; complete as per drawings, specifications and as directed by the Engineer. 225 mm thick	cu.m	16	8962	Eight thousand Nine hundred Sixty two	143392
C/12	Pointing in Brick work for struck joint in brick masonry walls straight or curved, with 1:2 cement sand mortar and required red colour pigment, at any height and any floor; complete as per drawings, specifications and as directed by the Engineer.	sq.m	70	319	Three hundred nineteen.	22330
C/13	Providing & applying 1:4 cement sand plaster on straight/ curved surfaces corners and edges etc; including scaffolding, providing and fixing expanded metal at masonry/ concrete joints, and rounding off corners (wherever required) and curing, complete, at any height and any floor; complete as per drawings, specifications and as directed by the Engineer. ii) 20 mm thick.	sq.m	120	616	Six hundred sixteen.	73920
CARRIED TO COLLECTION						

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - C - OVER HEAD RESERVOIR FOR 220,000 GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
C/14	Supplying and fixing steel doors and windows with angle iron frame 20mm x 20mm x 6.25mm and shutters of 20mm solid square bars frame and 12.5mm solid square bars @ 100 mm c/c covered with 20 gauge (0.9mm) thick sheet to full length. This includes locking arrangement, hold fasts fixed in masonry wall in P.C.C Class B, including two coats of non corrosive paint, complete as per, specifications, drawings and as instructed by the Engineer.	sq.m	5	8581	Eight thousand	42905
					Five hundred	
	i) Shutters	sq.m	5	8581	Eight thousand	42905
	ii) Windows	sq.m	6	7021	Five hundred Eighty one	42126
C/15	Supplying and fixing steel Grill on windows frame of 50 mm wide x 6.25 mm thick iron strip with 12.5mm solid square bars at 100mm c/c with approved design of circular 12.5mm x 6.25mm thick circular strip, including two coats of non corrosive paint, complete as per, specifications, drawings and as instructed by the Engineer.	sq.m	6	3901	Seven thousand	23406
					Twenty one	
	i) Window Grill	sq.m	6	3901	Three thousand	23406
C/16	Providing and fixing Steel railing consisting of three no : angle iron of 50 mm x 50 mm x 6.25mm at base and 32mm x 32mm x 6.25mm at centre and top with 1/2" dia(12.5mm) : G.I pipes at 300mm centre to centre, including welding properly all parts of the steel structure and properly embedded in R.C.C structure. All steel structures should be free of rust and other surface deficiencies before welding and coating with two coats of non-corrosive paint as specified or approved/directed by the Engineer.	m	300	25682	Twenty five	7704600
					thousand six hundred Eighty	
	Hand railing of Stair case and overhead Reservoir	m	300	25682	Twenty five thousand six hundred Eighty	7704600
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - C : - OVER HEAD RESERVOIR FOR 220,000 GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
C/17	Providing and fixing MS air vent pipe of 200mm dia with bend, complete as per drawings, specifications and as directed by the Engineer.	No	4	16269	Sixteen thousand two hundred sixty nine	65076
C/18	Providing and fixing Precast Manhole cover (size, 1.00 x 1.00 x .100m) in reservoir, complete as per drawings, specifications and as directed by the Engineer.	No	2	4350	Four thousand three hundred fifty	8700
C/19	Electrical Wiring and Fittings for existing and new pumping stations. i) Providing & laying (Main and Sub Main) PVC insulated with size 4-7/036 copper conductor in 1" dia PVC conduit recessed in the wall or column as required. (Pak cables, Pakistan cables, Newage cables or equivalent). ii) Wiring for light or fan point with 3/029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required. (Pak cables, Pakistan cables, Newage cables or equivalent). iii) Wiring for plug point with 3/029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required. iv) Providing & Fixing of Street light 85 watts energy savour bulb having lamp & internal wiring complete in all respect at the height as per site requirement and instruction of Engineer.	m	10	12615	Twelve thousand Six hundred Fifteen	126150
		Per point	3	7975	Seven thousand Nine hundred Seventy five	23925
		Per point	1	3335	Three thousand three hundred thirty five	3335
		No.	2	3050	Thirteen thousand thirty	26100
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

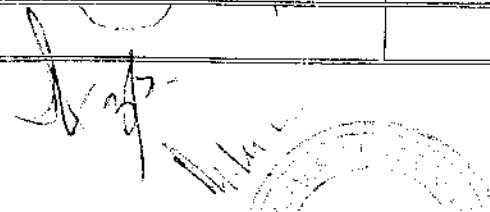
CIVIL WORKS

BILL NO - C - : - OVER HEAD RESERVOIR FOR 220,000 GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	v) Providing & fixing circuit breaker 6,10,15,20,30,40,50 & 63 amp DP (TB-5S) on prepared board as required. Clipsil, Terasaki, Fuji or equivalent.	No.	1	29000	Twenty nine thousand.	29000
	vi) Providing & fixing two way SP 5 amp switch flush type.	No.	5	6525	Six thousand Five hundred twenty five	32625
	vii) Providing & fixing Brass Ceiling fan 56", Millat, Pak or equivalent quality.	No.	1	7250	Seven thousand two hundred Fifty	7250
	viii) Providing and fixing bacolite boarded 1 Sq.ft (3.75 mm thick) during prepared as per site requirement for fixing fan/light point, plug, circuit braker and socket point.	No.	1	8760	Eight thousand Seven hundred	8760
C/20	Providing, fixing and installing Lightning Protection System for each overhead water reservoir according to NFPA 780 as per technical specifications and direction of the Engineer, complete in all respects, including the following, but not limited to: (i) Air terminals shall be 0.6 m high made of at least 12.7 mm dia solid copper and directly connected to the structural steel framing according to the technical specifications. The structural steel framework of the overhead reservoir will be used as the main conductor of the lightning protection system, provided that it is made electrically continuous. (ii) Ground rods shall be not less than 12.7 mm (0.5 in.) in diameter and 2.4 m (8 ft) long and shall be free of paint or other nonconductive coatings. The ground rods shall extend vertically not less than 3 m (10 ft) into the earth.	No.	6	8700	Eight thousand Seven hundred	52200
		m	2	18850	Eighteen thousand Eight hundred Fifty.	37700
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - C : - OVER HEAD RESERVOIR FOR 220,000 GALLONS

No.	Page No.	Amount (Rs)
<u>COLLECTION</u>		
1	B.O.Q Page NO - 14	
2	B.O.Q Page ND - 15	
3	B.O.Q Page NO - 16	
4	B.O.Q Page NO - 17	
5	B.O.Q Page NO - 18	
6	B.O.Q Page NO - 19	
7	B.O.Q Page NO - 20	
8	B.O.Q Page NO - 21	
CARRIED FORWARD TO SUMMARY OF COST		43,582,568

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

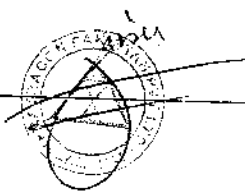
CIVIL WORKS

BILL NO - D : - OVER HEAD RESERVOIR FOR 125,000 GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
D/1	Excavation for foundation, trenches and drain in all kinds of soils (except hard rock), including all operations of site i.e. dewatering, leveling, dressing and ramming the excavated surface and throwing excavated earth clearing of edges of excavation, and backfilling the excavated material in 150mm layers in excavated pits, plinth and under floor where ever required around the structure, watering and ramming etc. complete up to required depth as per drawings, specifications and as directed by the Engineer.	cu.m	980	410	Four hundred Ten	401800
D/2	Providing and laying Stone Soling in foundation/ floor for bedding including leveling, grading and compacting all complete as per drawings, specifications and as directed by the Engineer.	cu.m	82	2306	Two thousand three hundred Six	189092
D/3	Providing and applying 2 coats of bitumen painting at 0.75 sq.m per Kg in each coat around structure or where ever required; complete as per drawings, specifications and as directed by the Engineer.	sq.m	420	377	Three hundred Seventy Seven.	158340
D/4	Providing and laying plain cement concrete Class-E(1), using sulphate resisting cement in foundation and plinth or where required, formwork, mixing, pouring, leveling, compacting, vibrating and curing; complete as per drawings, specifications and as directed by the Engineer.	cu.m	41	9983	Nine thousand Nine hundred Eighty three	409303
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

SEAL



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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD


BILL OF QUANTITIES

CIVIL WORKS

BILL NO - D : - OVER HEAD RESERVOIR FOR 125,000. GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
D/5	Providing and applying Polymer based Elastomeric or equalent, to be used as water proofing for fresh concrete in tank wall, complete as per drawings, specifications and as directed by the Engineer.	sq.m	400	4698	Four thousand Six hundred Ninty eight.	1879200
D/6	Providing and laying 38.0 mm thick topping cement concrete Class - A into surface finishing and dividing into Pannels, complete as per drawings, specification and as directed by the Engineer.	sq.m	24	618	Six hundred Eighteen	14832
D/7	Providing and laying RCC Class-A(1), using sulphate resisting cement in foundation, plinth and column, including formwork, mixing, pouring, leveling, compacting, vibrating and curing compound, complete as per drawings, specification and as directed by the Engineer, (Steel reinforcement to be measured separately).					
	i) In Base	cu.m	165	12724	Twelve thousand Seven hundred twenty four.	2099460
	ii) In Columns	cu.m	9	15950	Fifteen thousand Nine hundred FIFTY	143550
	iii). In Plinth Beam	cu.m	3	15950	Fifteen thousand Nine hundred FIFTY	47850
D/8	Providing and laying RCC Class-A, using ordinary Portland cement in reservoir slabs, beams, wall and columns, including formwork, mixing, pouring, leveling, compacting, vibrating and curing compound, complete as per drawings, specification and as directed by the Engineer, (Steel reinforcement to be measured separately).					
	(a) In Columns					
	i) From +0.00 to +3.800 level.	cu.m	13	15617	Fifteen thousand Six hundred Seventeen.	203021
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

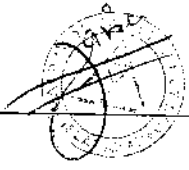
CIVIL WORKS

BILL NO - D - OVER HEAD RESERVOIR FOR 125,000 GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	ii) From +3.800 to +7.600 level.	cu.m	13	16624	Sixteen thousand one hundred Twenty Four	209612
	iii) From +7.600 to +11.400 level.	cu.m	13	16632	Sixteen thousand Six hundred Thirty two	216216
	iv) From +11.400 to +15.200 level.	cu.m	13	17139	Seventeen thousand one hundred Thirty nine	222807
	v) From +15.200 to +19.000 level.	cu.m	13	17647	Seventeen thousand Six hundred Forty seven	229411
	vii) From +19.000 to 22.900 level.	cu.m	3	18154	eighteen thousand one hundred Fifty Four.	54462
	<u>(b) In Beams</u>					
	i) At elevation +3.800 level.	cu.m	27	16545	Sixteen thousand Five hundred Forty Five	446715
	ii) At elevation +7.600 level.	cu.m	27	17052	Seventeen thousand Fifty Two	460404
	iii) At elevation +11.400 level.	cu.m	27	17560	Seventeen thousand Five hundred sixty	474120
	iv) At elevation +15.200 level.	cu.m	27	18067	eighteen thousand Sixty seven	487809
	v) At elevation +19.000 level.	cu.m	27	18575	eighteen thousand Five hundred seventy Five	501525
	vi) At elevation +22.900 level.	cu.m	5	19082	Nineteen thousand eighty Two	95410
	<u>(c) In Bottom Slab</u>	cu.m	72	18161	Eighteen thousand one hundred	1307592
CARRIED TO COLLECTION					Sixty one.	

SIGNATURE OF CONTRACTOR

SEAL



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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - D : - OVER HEAD RESERVOIR FOR 125,000, GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	(d) In Wall	cu.m	90	18161	Eighteen thousand one hundred sixty one	1634490
	(e) In Top Slab	cu.m	37	18161	Eighteen thousand one hundred sixty one	671957
	(f) In Slab of Room	cu.m	7	15841	Fifteen thousand eight hundred forty one	110887
	(g) In Lintel of Room	cu.m	1	18053	Eighteen thousand five hundred three	18053
	(h) In Stair case	cu.m	20	18053	Fifty three	361060
D/9	Providing, Placing and fixing in position Deformed steel reinforcement bars, conforming to, ASTM A-615 with minimum Yield strength of 60,000 psi, including cutting, bending, binding, straightening, wastage, overlaps, chairs and tying with binding wire, at any height and any floor; complete as per design, drawings, specifications and as directed by the Engineer.	tonne (1000kgm)	73	35575	one hundred thirty five thousand five hundred seventy five	9596975
D/10	Providing and fixing pvc water stopper 250mm wide with double bulb at center to center of wall, complete as per drawings, specifications and as directed by the Engineer.	m	120	1046	one thousand forty six	125520
D/11	Providing and laying first class solid Burnt brick masonry (of approved quality) including scaffolding, raking out joints and curing; in walls straight or curved; with 1:4 cement sand mortar in superstructure walls at any height and any floor; complete as per drawings, specifications and as directed by the Engineer. 225 mm thick	cu.m	16	8962	Eight thousand nine hundred sixty two	143392
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

SEAL



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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - D :- OVER HEAD RESERVOIR FOR 125,000, GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
D/12	Pointing in Brick work for struck joint in brick masonry walls straight or curved; with 1:2 cement sand mortar and required red colour pigment, at any height and any floor; complete as per drawings, specifications and as directed by the Engineer.	sq.m	75	319	Three hundred nineteen	23925
D/13	Providing & applying 1:4 cement sand plaster on straight/ curved surfaces corners and edges etc; including scaffolding, providing and fixing expanded metal at masonry/ concrete joints, and rounding off corners (wherever required) and curing, complete, at any height and any floor; complete as per drawings, specifications and as directed by the Engineer.					
	ii) 20 mm thick.	sq.m	115	616	Six hundred sixteen.	70840
D/14	Supplying and fixing steel doors and windows with angle iron frame 20mm x 20mm x 6.25mm and shutters of 20mm solid square bars frame and 12.5mm solid square bars @ 100 mm c/c covered with 20 gauge (0.9mm) thick sheet to full length. This includes locking arrangement, hold fasts fixed in masonry wall in P.C.C Class B, including two coats of non corrosive paint, complete as per, specifications, drawings and as instructed by the Engineer.					
	i) Shutters	sq.m	5	2581	Eight thousand Five hundred Eighty one	42905
	ii) Windows	sq.m	6	4081	Seven thousand	42126
CARRIED TO COLLECTION						
						twenty one

SIGNATURE OF CONTRACTOR

SEAL



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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

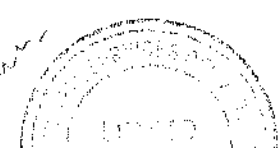
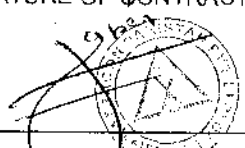
CIVIL WORKS

BILL NO - D : - OVER HEAD RESERVOIR FOR 125,000, GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
D/15	Supplying and fixing steel Grill on windows frame of 50 mm wide x 6.25 mm thick iron strip with 12.5m solid square bars at 100mm c/c with approved design of circular 12.5mm x 6.25mm thick circular strip, including two coats of non corrosive paint, complete as per, specifications, drawings and as instructed by the Engineer. i) Window Grill	sq.m	6	3701	Three thousand nine hundred one	23406
D/16	Providing and fixing Steel railing consisting of three no : angle iron of 50 mm x 50 mm x 6.25mm at base and 32mm x 32mm x 6.25mm at centre and top with 1/2" dia(12.5mm) : G.I pipes at 300mm centre to centre, including welding properly all parts of the steel structure and properly embedded in R.C.C structure. All steel structures should be free of rust and other surface deficiencies before welding and coating with two coats of non-corrosive paint as specified or approved/directed by the Engineer. Hand railing of Stair case and overhead Reservoir	m	255	25682	Twenty five thousand six hundred eighty two	6548910
D/17	Providing and fixing MS air vent pipe of 200mm dia with bend, complete as per drawings, specifications and as directed by the Engineer.	No	4	16269	Sixteen thousand two hundred sixty nine	65076
D/18	Providing and fixing Precast Manhole cover (size, 1.00 x 1.00 x .100) in reservoir, complete as per drawings, specifications and as directed by the Engineer.	No	2	4350	Four thousand three hundred fifty	8700
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - D : - OVER HEAD RESERVOIR FOR 125,000, GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
D/19	Electrical Wiring and Fittings for existing and new pumping stations.					
	i) Providing & laying (Main and Sub Main) PVC insulated with size 4-7/036 copper conductor in 1" dia PVC conduit recessed in the wall or column as required.(Pak cables, Pakistan cables, Newage cables or equivalent).	m	10	12615	Twelve thousand Six hundred fifteen	126150
	ii) Wiring for light or fan point with 3/029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required. (Pak cables, Pakistan cables, Newage cables or equivalent).	Per point	3	7975	Seven thousand Nine hundred Seventy five	23925
	iii) Wiring for plug point with 3/029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.	Per point	1	3335	Three thousand Rosee hundred thirty five	3335
	iv) Providing & Fixing of Street light 85 watts energy savour bulb having lamp & internal wiring complete in all respect at the height as per site requirement and instruction of Engineer.	No.	2	13050	Thirteen thousand Fifty	26100
	v) Providing & fixing circuit breaker 6,10,15,20,30,40,50 & 63 amp DP (TB-5S) on prepared board as required. Clipsil, Terasaki, Fuji or equivalent.	No.	1	29000	Twenty Nine thousand.	29000
	vi) Providing & fixing two way SP 5 amp switch flush type.	No.	5	6525	Six thousand Five hundred twenty five	32625
	vii) Providing & fixing Brass Ceiling fan 56", Millat, Pak or equivalent quality.	No.	1	7250	Seven thousand Two hundred Fifty	7250
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

 SEAL



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

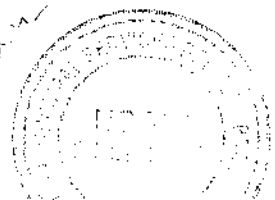
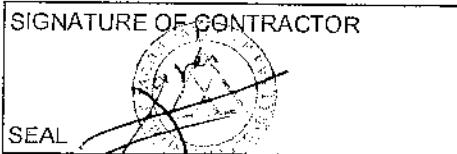
CIVIL WORKS

BILL NO - D : - OVER HEAD RESERVOIR FOR 125,000. GALLONS

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
	viii) Providing and fixing bacolite boarded 1 Sq.ft (3.75 mm thick) during prepared as per site requirement for fixing fan/light point, plug, circuit braker and socket point.	No.	1	8700	Eight thousand Seven hundred	8700
D/20	Providing, fixing and installing Lightning Protection System for each overhead water reservoir according to NFPA 780 as per technical specifications and direction of the Engineer, complete in all respects, including the following, but not limited to: (i) Air terminals shall be 0.6 m high made of at least 12.7 mm dia solid copper and directly connected to the structural steel framing according to the technical specifications. The structural steel framework of the overhead reservoir will be used as the main conductor of the lightning protection system, provided that it is made electrically continuous.	No.	6	8700	Eight thousand Seven hundred	52200
	(ii) Ground rods shall be not less than 12.7 mm (0.5 in.) in diameter and 2.4 m (8 ft) long and shall be free of paint or other nonconductive coatings. The ground rods shall extend vertically not less than 3 m (10 ft) into the earth.	No.	2	18850	Eighteen thousand Eight hundred 75	37700
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

SEAL



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

BILL NO - D : - OVER HEAD RESERVOIR FOR 125,000, GALLONS

No.	Page No.	Amount (Rs)
<u>COLLECTION</u>		
1	B.O.Q Page NO - 23	
2	B.O.Q Page NO - 24	
3	B.O.Q Page NO - 25	
4	B.O.Q Page NO - 26	
5	B.O.Q Page NO - 27	
6	B.O.Q Page NO - 28	
7	B.O.Q Page NO - 29	
8	B.O.Q Page NO - 30	
CARRIED FORWARD TO SUMMARY OF COST		30387,738

SIGNATURE OF CONTRACTOR
SEAL



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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

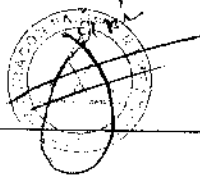
CIVIL WORKS

BILL NO - E :- BOUNDARY WALL (FOR BOTH RESERVOIRS)

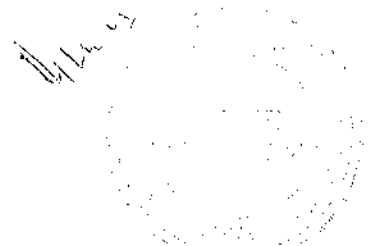
S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
E/1	Excavation for foundation, trenches and drain in all kinds of soils (except hard rock), including all operations of site i.e. dewatering, leveling, dressing and ramming the excavated surface and throwing excavated earth clearing of edges of excavation, and backfilling the excavated material in 150mm layers in excavated pits, plinth and wherever required around the structure, etc. complete up to required depth as per drawings, specifications and as directed by the Engineer.	cu.m	62	410	Four hundred ten	25420
E/2	Providing and laying Stone Soling in foundation/ floor for bedding including leveling, grading and compacting all complete as per drawings, specifications and as directed by the Engineer.	cu.m	18	2306	Two thousand three hundred six	41508
E/3	Providing and applying 2 coats of bitumen painting at 0.75 sq.m per Kg in each coat around structure or where ever required; complete as per drawings, specifications and as directed by the Engineer.	sq.m	98	377	Three hundred seventy seven	36946
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

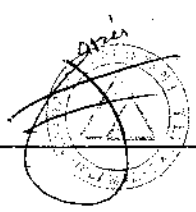
CIVIL WORKS

BILL NO - E :- BOUNDARY WALL (FOR BOTH RESERVOIRS)

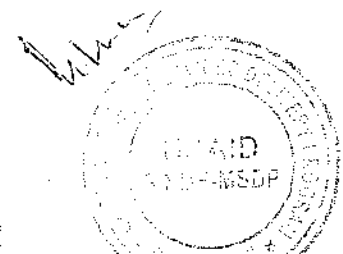
S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
E/4	Providing and laying plain cement concrete Class E(1), using sulphate resisting cement in foundation and plinth or where required, formwork, mixing, pouring, leveling, compacting, vibrating and curing; complete as per drawings, specifications and as directed by the Engineer.	cu.m	8	9983	nine thousand nine hundred Eighty three	79864
E/5	Providing and laying 75mm cement concrete Class - A as DPC with an admixture of 2.268 kg of pudlo per bag of cement or any other approved water proofing compound including form work, levelling, compacting and curing complete as per drawings, specifications and as directed by the Engineer.	sq.m	98	1150	one thousand one hundred Fifty	112750
E/6	Coursed Rubble masonry including hammer dressing in cement sand mortar 1:4 in foundation and plinth, complete as per drawings, specifications and as directed by the Engineer.	sq.m	58	1834	one thousand Eight hundred thirty four	106372
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

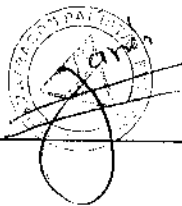
CIVIL WORKS

BILL NO - E : - BOUNDARY WALL (FOR BOTH RESERVOIRS).

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
E/7	Pointing on Stone work raised in 1:3 cement sand mortar, complete as per drawings, specifications and as directed by the Engineer.	sq.m	158	319	Three hundred Nineteen	50402
E/8	Providing and laying first class solid Burnt brick masonry for wall (of approved quality), raking out joints and curing; in walls straight or curved with 1:4 cement sand mortar; at any height, complete as per drawings, specifications and as directed by the Engineer.	cu.m	68	254	Two hundred Fifty four	17272
E/9	Pointing struck joint on Brick work with 1:2 cement sand mortar and required red colour pigment, at any height and any floor; complete as per drawings, specifications and as directed by the Engineer.	sq.m	500	319	Three hundred Nineteen	159500
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

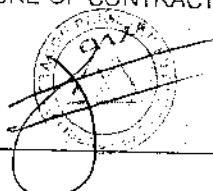
CIVIL WORKS

BILL NO - E : - BOUNDARY WALL (FOR BOTH RESERVOIRS).

S.NO	Item Description	Unit	Quantity	Rate		Amount (Rs.)
				In figure	In words	
E/10	Providing & applying 1:4 cement sand plaster on straight surfaces, corners and edges etc; and rounding off corners (wherever required) and curing; at any height, complete as per drawings, specifications and as directed by the Engineer. Inside of wall (20mm)	sq.m	500	616	Six hundred Sixteen	308000
E/11	Providing and fixing hot dip galvanized Ms steel gate with frame, approved hinges, fittings, locks & hardware; including finishing, applying one coat of red oxide primer and enamel paint of approved make; complete as per drawings, specifications and as directed by the Engineer.	sq.m	21	13262	Thirteen thousand Two hundred Sixty two	278562
CARRIED TO COLLECTION						

SIGNATURE OF CONTRACTOR

SEAL



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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES


CIVIL WORKS

BILL NO - E :- BOUNDARY WALL (FOR BOTH RESERVOIRS).

No.	Page No.	Amount (Rs)
<u>COLLECTION</u>		
1	B.O.Q Page NO - 32	
2	B.O.Q Page NO - 33	
3	B.O.Q Page NO - 34	
4	B.O.Q Page NO - 35	
CARRIED FORWARD TO SUMMARY OF COST		1216486

SIGNATURE OF CONTRACTOR

SEAL



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

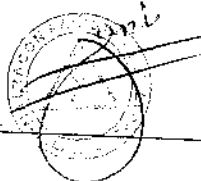
CIVIL WORKS

BILL NO - F :- GENERAL WORKS.

S.NO	Item Description	Unit	Quantity	Rate		Amount
				In figure	In words	(Rs.)
	<u>SITE OFFICE AND MAINTENANCE</u>					
	Provision and maintenance of Engineer's office and Equipment in accordance with Chapter 11 of Technical specifications.					
F/1	Providing Temporary Site office (Min 50 sq.m) and Laboratory (min 25 sqm) for testing with electricity, telephone, internet, gas with separate toilet facility along with furniture, fixtures, fittings & equipment, including standby generator, air conditioner and all other accessories and facilities, as specified in Chapter 11 of Technical specifications.	month	12	487,500	Four hundred eighty seven thousand five hundred	5,850,000
F/2	Location and protection of all public utility services encountered with in the works during the contract period including Telephone Cables, Water supply Lines, Sewers, Drains, Gas pipe lines, Oil refinery line and Power Cables.	job		12,50,000	one million two hundred fifty thousand	12,50,000
F/3	Provisional Sum for payment to Utility Agencies for Re-location and/ or their supervision charges where Required.	Provisional-Sum				500,000
CARRIED TO COLLECTION						
						5,750,000

SIGNATURE OF CONTRACTOR

SEAL



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

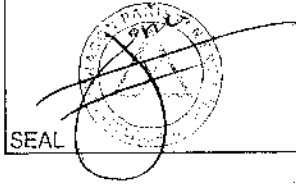
CIVIL WORKS

BILL NO - F :- GENERAL WORKS.

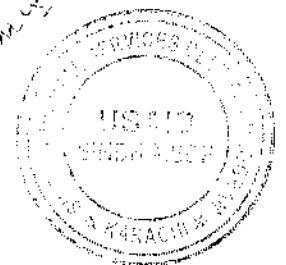
No.	Page No.	Amount (Rs)
1	COLLECTION B.O.Q Page NO -37	
CARRIED FORWARD TO SUMMARY OF COST		7,000,000

SIGNATURE OF CONTRACTOR

SEAL



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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

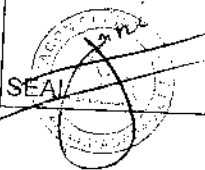
CIVIL WORKS

BILL NO - G :- SCHEDULE OF DAY WORKS

1. Labour

Item No.	Item Description	Unit	Nominal Quantity	Rate (Rs.)	Amount (Rs.)
1.1	Ganger (Foreman)	hr	25	42	8150
1.2	Labourer	hr	50	65	3250
1.4	Mason	hr	25	100	2500
1.8	Surveyor	hr	16	168	2688
1.9	Driver for vehicle up to 10 tons	hr	8	96	768
1.1	Operator for Excavator, Dragline, shovel or crane	hr	16	120	1920
1.12	Electrician	hr	16	100	1600
		%	20%		3975
Total for Day work Labour: (Carried forward to Day work Summary)					17851

SIGNATURE OF CONTRACTOR



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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

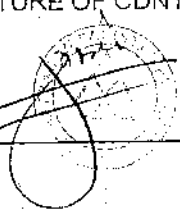
BILL NO - G :- SCHEDULE OF DAY WORKS

2. **Materials**

Item No.	Item Description	Unit	Nominal Quantity	Rate (Rs.)	Amount (Rs.)
2.1	Cement, ordinary Portland or equivalent in bags	tonne (1000kgm)	3	11000	33000
2.2	Sulphate resisting cement	tonne (1000kgm)	2	11200	22400
2.3	Mild Steel reinforcing bar upto 16mm diameter to ASTM A-615 or equivalent.	tonne (1000kgm)	2	86000	172000
2.4	Fine aggregate for concrete	cu.m	50	1060	53000
2.5	Coarse aggregate	cu.m	50	1165	58250
2.6	Formwork (Steel Shuttering)	sq.m/day	30	200	6000
2.7	Formwork (plywood Shuttering)	sq.m/day	30	180	5400
2.8	Porcelain Tiles	sq.m	10	2000	20000
	Add percent adjustment for Contractor's overhead, profit, etc,	%	20%		7400
Total for Day work Material: (Carried forward to Day work Summary)					444060

SIGNATURE OF CONTRACTOR

SEAL



3/3



MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

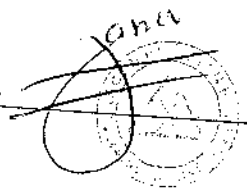
BILL NO - G :- SCHEDULE OF DAYWORKS

3. **Constructional Plant**

Item No.	Item Description	Unit	Nominal Quantity	Rate (Rs.)	Amount (Rs.)
3.1	Excavator and Back Hoes (with or without rock hammer)				
	1. JCB III or equivalent	hr	20	2500	50000
	2. CAT 225 or equivalent	hr	20	3000	60000
3.4	Wheel loaders (CAT 960 or equivalent)	hr	20	3500	70000
3.5	Dump Truck	hr	20	2500	50000
3.6	Water Tanker	hr	20	1800	36000
3.7	Hand Compactor	hr	20	500	10000
3.11	Dewatering Pumps	hr	20	715	14300
3.12	Jack Hammer	hr	20	260	5200
	Add percent adjustment for Contractor's overhead, profit, etc,	%	20%		59100
Total for Day work Constructional Plant: (Carried forward to Daywork Summary)					354600

SIGNATURE OF CONTRACTOR

SEAL



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MUNICIPAL SERVICES PROGRAM (MSP) JACOBABAD

BILL OF QUANTITIES

CIVIL WORKS

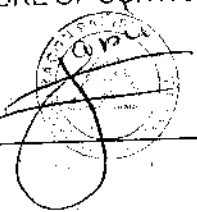
BILL NO - G : - SCHEDULE OF DAY WORKS

Summary (Day-Work)

S.Nr	Description	Amount (Rs.)
1	Total for Day-work: Labour (B.O.Q Page - 39)	17851
2	Total for Day-work: Materials (B.O.Q Page - 40)	444060
3	Total for Day-work: Constructional plant (B.O.Q Page - 41)	354600
Total for Day work : (Carried forward to Summary of cost)		816511

SIGNATURE OF CONTRACTOR

SEAL



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MATRACON PAKISTAN (Pvt) LIMITED

To,

The Procurement Specialist,
USAID-SINDH MSDP,
Karachi.

SUBJECT: CONTRACT PACKAGE WS-05-FORM OF CONTRACT AGREEMENT

In response to your letter of acceptance No.PMU/MSDP/PS/CPWS-05/2014-15/396 dated 12th August,2014 on the subject cited above.

Enclosed please find herewith the Form of Contract Agreement on the prescribed stamp paper alongwith required stamps (in original) duly signed by the undersigned with signature of the witnesses for your information and further necessary action at your end.

Please put up con File.

AD(PRD)

*W. Hussain
26/8*

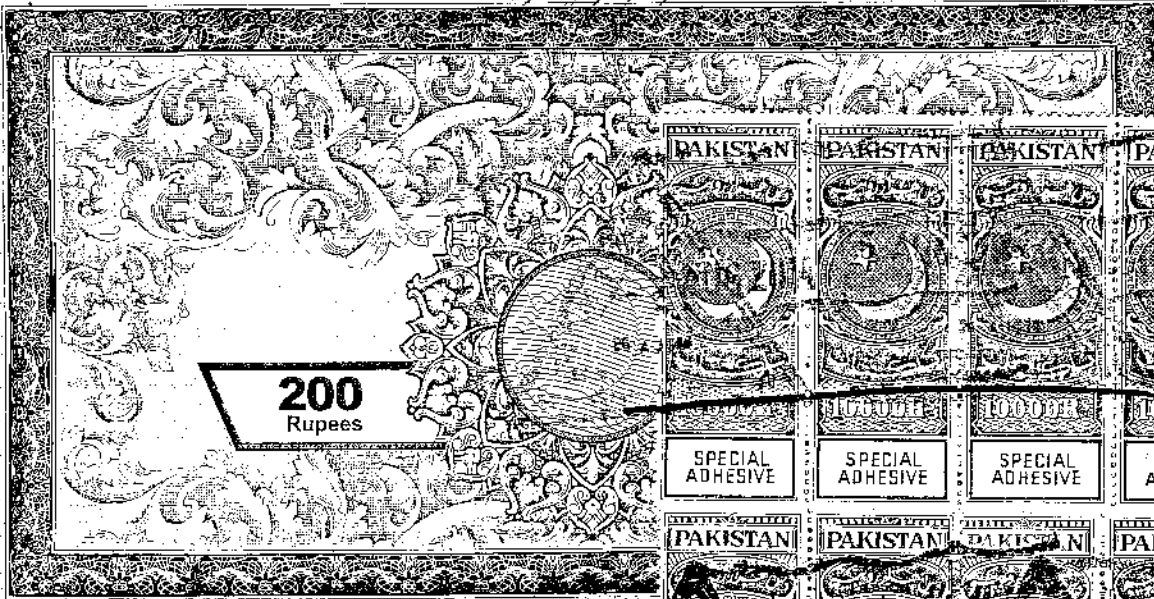
Yours sincerely,

[Signature]
26/8/14
M/s Matracon Pakistan (Pvt) Limited

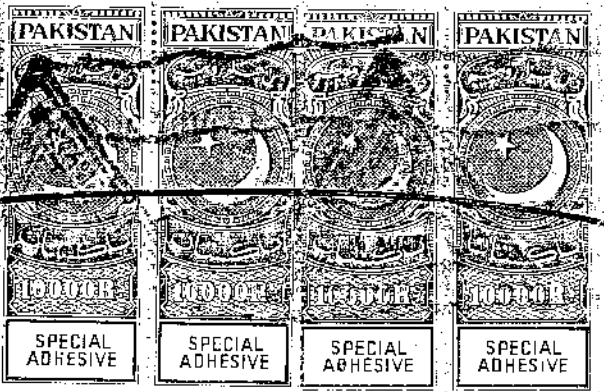
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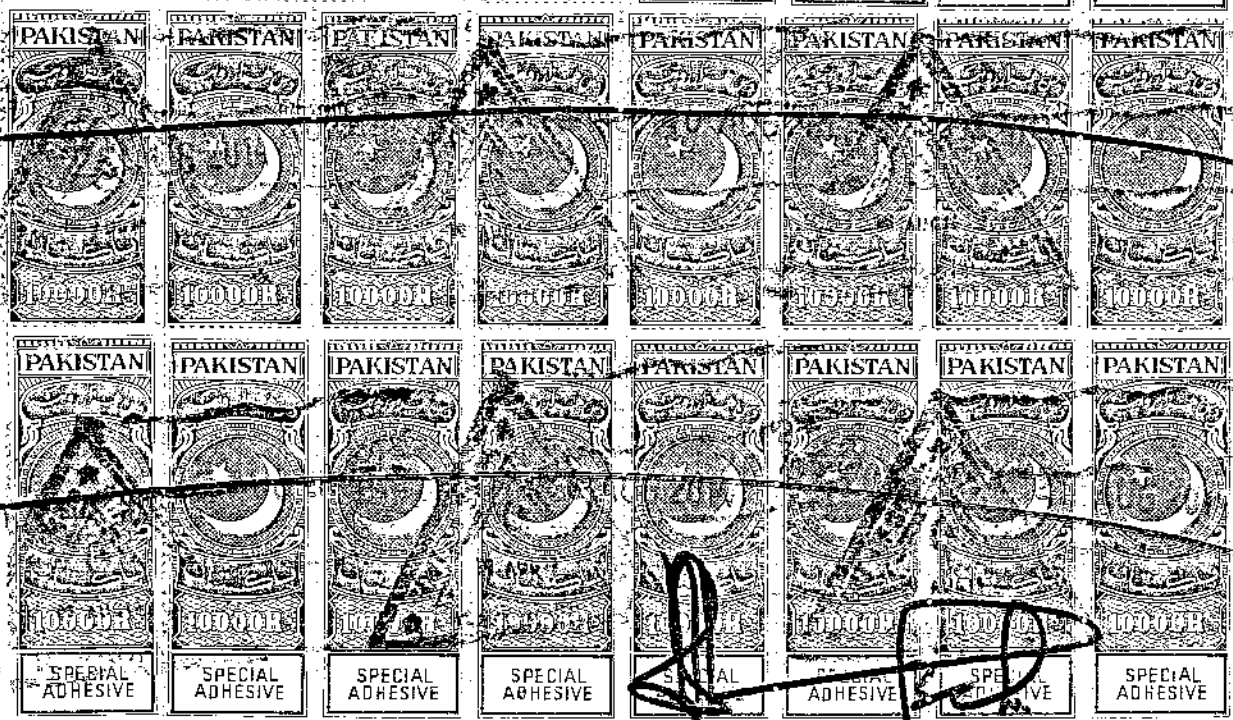
25/8/14



200 Rupees



Azam Alam Stamp Vender Licence No. 78
 G-7, Spanish Homes, Phase-I, D.H.A Karachi
 S No. 9605 Date: 25 AUG 2014
 Issued To With Matracon Pakistan PVT Ltd
 Through With Address:
 Purpose:
 Value Rs 20/- Attached:
 Stamp Vender Signature:
 Not Valid For Divorce and Free Will



PACKAGE WS-05: WATER DISTRIBUTION NETWORK ZONE 3 & 4
 FORM OF CONTRACT AGREEMENT

26-8-14

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the 25th day of August 2014 between The Program Management Unit (PMU) USAID Sindh MSDP D-18, Block-2 kehkashan, Clifton Karachi. (hereafter called the "Procuring Agency") of the one part and MATRACON PAKISTAN (PVT) LTD, 276-B Main Double Road, F-10/4, Islamabad. (hereafter called the "Contractor") of the other part.

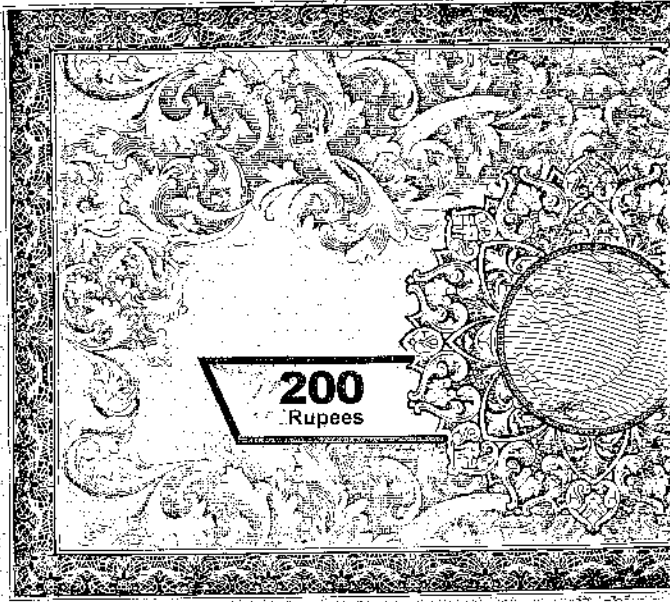
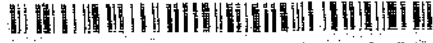
WHEREAS the Procuring Agency is desirous that certain works, viz. Package WS-05: Water Distribution Network Zone 3 & 4 should be executed by the Contractor and has accepted a bid by the Contractor



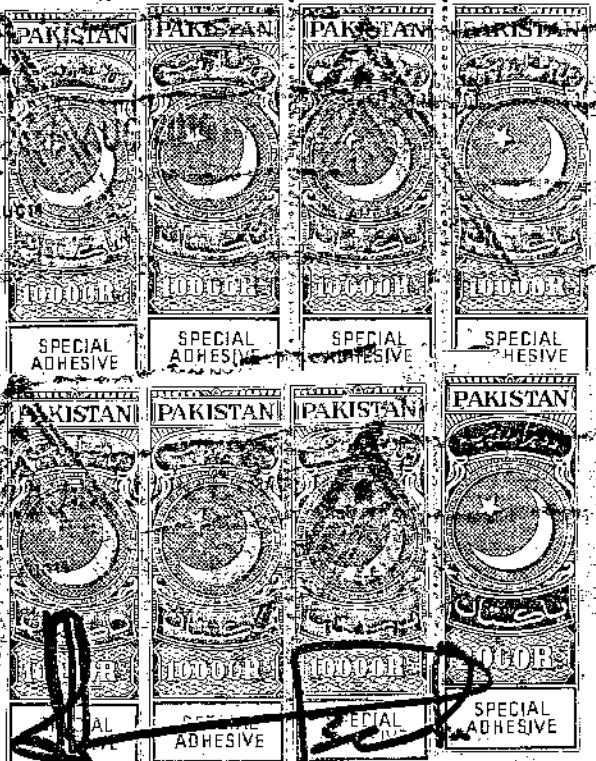
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26/8/14

6670001



200
Rupees



Alam Alam Stamp Vender Licence No. 78
 G-7 Spanish Homes, Phase-I, D.H.A Karachi
 S No. 7606 Date: 25 AUG 2014
 Issued To With Metro Co. Suki Han VTD 64
 Through With Address:
 Purpose
 Value Rs 200/- Attached
 Stamp Vender Signature: A
 Not Valid For Diverce and Free Will

SUPERINTENDENT
 Stamp Office, City Court
 Karachi. 26-8-14.
 26 AUG 2014

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

1. The following documents after incorporating addenda, 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, viz.:
 - (a) The Contract Agreement;
 - (b) The Letter of Acceptance;
 - (c) The completed Form of Bid;
 - (d) Special Stipulations (Appendix-A to Bid);
 - (e) The Particular Conditions of Contract - Part II;
 - (f) The General Conditions - Part I;
 - (g) The priced Bill of Quantities [Appendix-D to Bid];
 - (h) The completed Appendices to Bid (B, C, E to L);
 - (i) The Drawings;
 - (j) The Specifications.
 - (k) _____ (any other)

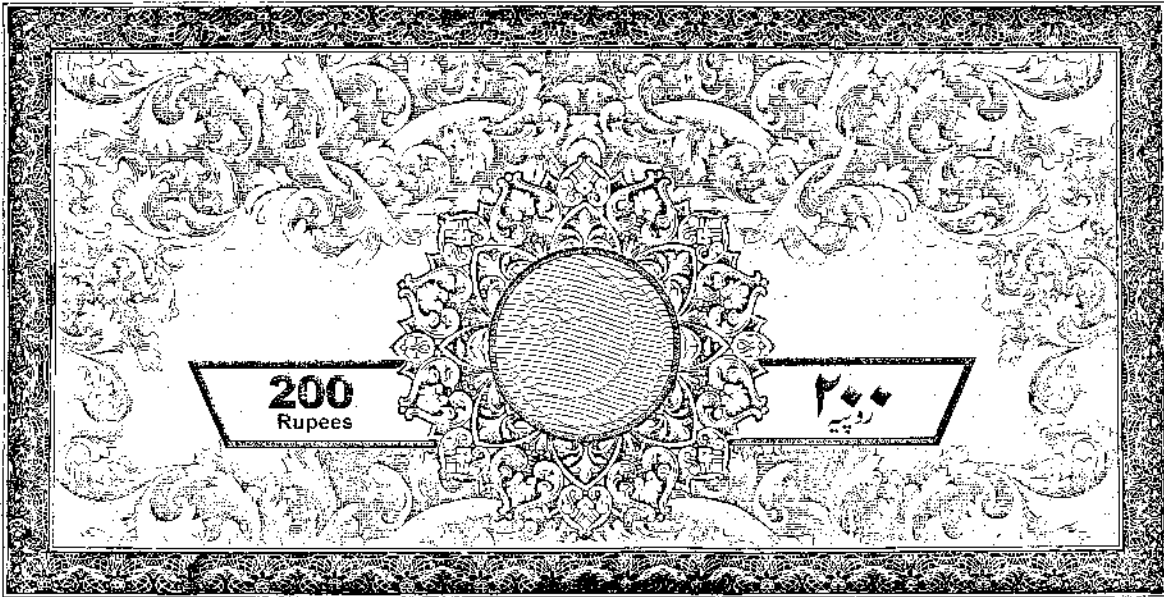
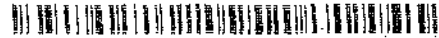
2. In consideration of the payments to be made by the Procuring Agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring Agency to execute and complete the works and remedy defects therein in conformity and in all respects with the provisions of the contract.

3. Procuring Agency hereby covenants to pay the contractor, in consideration of the execution and completion of the works as per provisions of the contract, the contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

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



518054



Azam Alam Stamp Vender Licence No. 78
 G-7, Spanish Homes, Phase-I, D.H.A Karachi
 S No. 9604 Date: 25 AUG 2014
 Issued To Win: Matracon Pakistan (Pvt) Ltd
 Through With Address:
 Purpose:
 Value Rs 200/- Attached:
 Stamp Vender Signature:
 Not Valid For Direct and Free Will

Signature of the Contractor

Matracon Pakistan (Pvt.) Ltd., 276-B
Main double Road, F-10/4, Islamabad



(Seal)

Witness:

FAZAL ELCAHI

 (Name, Title and Address)

Witness:

Rashed Shokeef

 (Name, Title and Address)

Signature of Employer

The Program Management Unit (PMU)
USAID Sindh, MSDP D-18, Block-2
Kehkashan, Clifton, Karachi.

KHALID HYDER SHAH
Program Director
USAID-Sindh MSDP

(Seal)

Witness:

(Name, Title and Address)
MUHAMMAD ARAB SHAIKH
DIRECTOR GENERAL (WORKS)
 USAID-Sindh MSDP P&D Department,
 Government of Sindh

Witness:

(Name, Title and Address)
ASSAD ZAMIN

ORIGINAL

Challan of Cash/ Cheque paid in the
National Bank of Pakistan
Passport Office/ City Court Branch, Karachi.

Challan No. 187

To be filled by the remitter

To be filled by the
Department Office
of the Treasury

By whom tendered (Name)

M/s Matracon Pvt Ltd
(Pvt) Ltd

Head of Account

Non-Fund
Account No. 1

D.D.O. Code

KA-4513

Signature

Assistant Superintendent
of Stamps,
Karachi.

Order to the Bank

Name (or designation) and address of the
persons on whose behalf money is paid

Full particulars of the remittance and the
authority (if any)

Amount

Correct - Received
and grant receipt

Stamp duty Paid on

Rs.

662000

Date

SPECIAL ADHESIVE

Signature and full
designation of the
Officer ordering the
money to be paid in

B-02702 ORIGINAL

Total

Rs.

662000

(In words) Rupees

To be used only in the
case of remittance to
Bank through & Officer
of the Government

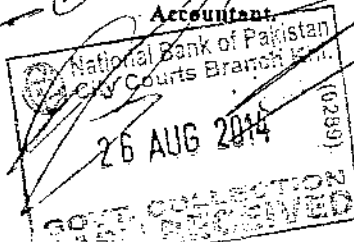
Received payment

Date

Treasurer

Accountant

Treasury Officer/Agent



11/5



MSDP

Municipal Services Delivery Program
P & D Department, Government of Sindh



USAID
FROM THE AMERICAN PEOPLE

No. PMU/MSDP/PS/CPWS-05/2014-15/396
Karachi, dated the 12th August 2014

*Received
12/8/2014*

M/S Matracon Pakistan (Pvt) Limited,
House No:276-B, Main Double Road, F-10/4,
Islamabad

Project: Contract Package WS-05 Water Distribution System Zone-3 & 4.

SUBJECT:- LETTER OF ACCEPTANCE

Dear Sir,

In pursuance of the approval accorded by the competent authority, your bid dated 03.03.2014 for the work of 'Contract Package WS-05 Water Distribution System Zone-3 & 4' for the arithmetically corrected amount of Pk Rs. 220,798,980/- (Pakistan rupees, two hundred twenty million, seven hundred ninety eight thousand and nine hundred eighty), including a Provisional Sum of Pk Rs. 500,000/- is hereby accepted with corrections and modification as stated here below:

1. The acceptance of bid shall not prejudice the right of 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 and material
 - iv) Contractor's supervisory staff

2. Information submitted with the Bid

That the appendices and enclosures submitted by you with the bid shall be deemed to illustrate your capability to under the works and the inputs to be committed by you for the completion of works and shall be subject to review and approval or otherwise the Procuring Agency/Engineer. However, if these enclosures, submission, statements etc are contrary to the basis provisions of the Contract and/or explicitly and/or implicitly construe additional payments and/or deviation from the terms and conditions which may lead to any claim by you for additional payment and/or extension of time shall have no contractual standing whatsoever.

3. Contract Sum

Pursuance to Clause IB-26, 27 & 28 of 'Instructions to Bidders', the scrutiny and evaluation of your bid was done, necessary arithmetical corrections made and total



MSDP

Municipal Services Delivery Program
P & D Department, Government of Sindh



USAID
FROM THE AMERICAN PEOPLE

91

NO.PMU/SMSDP/PSU/BER WS-05/2013-14/ **305**
Karachi, Sindh dated: 14TH February, 2014
As. with



MOST URGENT

The Managing Director,
Sindh Public Procurement Regulatory Authority (SPPRA),
Karachi.

SUBJECT:- HOISTING OF BID EVALUATION RIEPORT OF CONTRACT PACKAGE WS-05

Enclosed please find herewith the Bid Evaluation Report (in original) of Contract Package WS-05 (Water Distribution System Zone) to be carried out by the USAID-Sindh Municipal Services Delivery Program for hoisting on the SPPRA website.

2. It is, therefore requested that the Bid Evaluation Report may kindly be hoisted on the website of SPPRA, immediately, please.
3. Cooperation in this regard will be highly appreciated.

DA/-As above.



Muhammed Naem Waheed
MUHAMMED NAEEM WAHEED
PROCUREMENT SPECIALIST
USAID-SINDH MSDP

Copy for information;

1. Secretary (Planning), Planning & Development Department, Government of Sindh,
2. Mr. Gufran Shafi, MSDP Engineering Specialist-USAID/Pakistan, Karachi.
3. Executive Engineer/Member PC, Public Health Engineering Department, Jacobabad.
4. Chief of the Party AAA+TCI
5. P.S. to ACS(Dev), Planning & Development Department, Government of Sindh, Karachi
6. P.S. to Program Director, PMU-Sindh MSDP
7. P.A. to Director General (Works), PMU-Sindh MSDP

Bid Evaluation Report

89

Name of Procuring Agency: - Project Management Unit (PMU),
Municipal services Delivery Programme,
P&D Department Government of Sindh

Tender Reference No: WS-05 dated

Tender Description/Name of work/item: Contract Package WS-05:
Water Distribution System Zone 3 & 4

Method of Procurement: Prequalification/Restricted Method (Single Stage
one Envelop)

Tender Published: Notice for Pre-qualification of Firms was published in following
Newspapers:

- i. Daily Kawash dated 24th November, 2012
- ii. Daily Express Tribune dated 5th December, 2012
- iii. Daily Jung dated 25th November, 2012

- SPPRA ID / S.No. : 18783 / 157214396 dated 29.1.2014
(ID withheld for BER, CS, TER & AOC)
- List of Pre-qualified Firms hoisted on SPPRA website on 19th
September, 2013
- Letter of Invitation for bids from pre-qualified bidders was hoisted
on SPPRA website on 29th January, 2014.

Technical Bid Opening date: Not Required

Financial Bid Opening date: 3rd March, 2014 @ 2.00 pm

Total Bid documents purchased: 07

Total Bids Received: 04

Bid(s) Rejected: 0

Notes:


- i. Programme of MSDP is sponsored by USAID;
- ii. \$ 50 Million are earmarked for rehabilitation & Up-gradation of Infrastructures
(Water supply, Sanitation & Solid Waste Management) of various towns of Sindh
Province;
- iii. The Package mentioned above is part & parcel of umbrella PC-I of Water Supply
(7 Packages);
- iv. Total cost of 7 Packages is Rs: 1992 Million;
- v. Bids for remaining 3 Packages will be invited afterwards;
- vi. Escalation in rates/difference in bid cost will be covered from Dollar-Rupee
exchange rates.

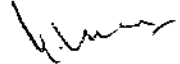



Bid Evaluation Reports
Contract Package WS-05 – Water Distribution System Zone 3 & 4

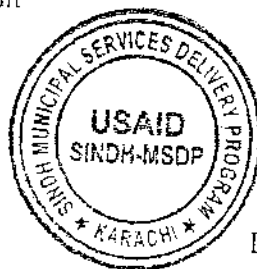
87


S No	Name of Firm or Bidder	Cost offered by the Bidder	Final Quoted Price by bidder after premium/rebate, arithmetic corrections (if any)	Ranking in terms of cost	Consultant's Estimated cost	Reasons for acceptance/rejection	Remarks
1.	M/s Matracon Pakistan (Pvt) Ltd, House No.276-B Main Double Road, F-10/4, Islamabad	222,048,980	220,798,980	1 st lowest	229,206,394	Responsive Bid	To be recommended for Award
3.	M/s Muhammad Ayoub & Brothers, Civil Engineering Contractors, 815/C, Block-2, PECHS, Karachi	224,542,514	224,686,514	2 nd lowest	229,206,394	Responsive Bid	
3.	M/s. Muhammad Idrees Karkhana Shaikh Salahuddin Chowk Shahdra, Bahawalpur	249,868,143	250,348,522	3 rd lowest	229,206,394	Responsive Bid	
2.	M/s Samad Khan Babar & Co, H.# C-225, Block-A North Nazimabad, Karachi	316,025,604	315,625,604	4 th lowest	229,206,394	Responsive Bid	


 (Sabir Ali Shaikh)
 Executive Engineer/Member PC
 Public Health Engineering Department


 (Muhammad Naeem Waheed)
 Procurement Specialist/Member PC
 USAID/ Sindh MSDP


 (Aftab Ahmed Khan)
 Representative of AAA & Tec-Consultant
 International (Co-Opted Member)




 (Muhammad Arah Sheikh)
 Director General (Works) Chairman PC
 USAID/ Sindh MSDP



MSDP

Municipal Services Delivery Program
P & D Department, Government of Sindh



USAID
FROM THE AMERICAN PEOPLE

No.PMU/MSDP/P&DD/EBVWS-05/2013-14/332
Karachi, dated the 14th May, 2014

- 1.M/s Matracon Pakistan(Pvt) Limited, House No.267-B Main Double Road, F-10/4, Islamabad.
- 2.M/s Muhammad Ayoub & Brothers Civil Engineering Contractor, 815/C Block-2 PECHS, Karachi
- 3.M/s Muhammad Idress KarkhanaS haikh Salahuddin Chowk, Shahdra Bahawalpur
- 4.M/s Samad Khan Bahar &Co.H.# C-225, Block-A North Nazimahad, Karachi

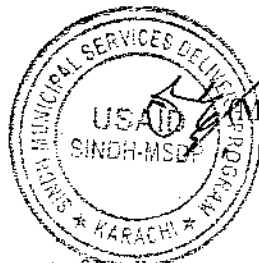
SUBJECT: REQUEST FOR EXTENSION IN BID VALIDITY PERIOD FOR TYPE-A WORKS CONTRACT PACKAGE WS-05 (WATER DISTRIBUTION SYSTEM ZONE 3 & 4) FOR A FURTHER PERIOD OF 90 DAYS

Please refer to your bid submitted on 3rd March, 2014 for the subject wok with a bid Validity period of 90 days ending of 31st May,2014.

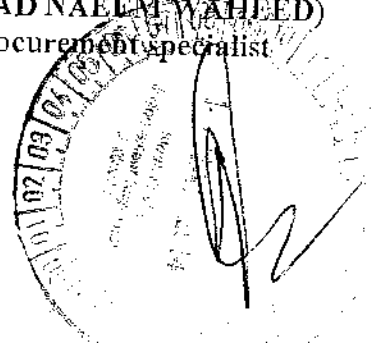
2. Due to some technical reasons, the Program Management Unit, Sindh MSDP is requesting for extension of the Bid validity period from all bidders for a further period of 90 days, beyond the period as prescribed in **Clause IB-14** of the bidding document and as provided in Rule-38 of Sindh Public Procurement Rules,2010.

3. If agreed please convey your acceptance in writing to the PMU, Sindh MSDP in enclosed proforma alongwith extension of validity of the bid security for the extended period of the bid validity as per Rule 38(7)(a), not later than 19th May,2014.

4. Relevant to mentioned, that Rules 27(20), 37(1) & 38 are applicable.



M. Naeem Waheed
MUHAMMAD NAEEM WAHEED
Procurement specialist



14/5
Copy for information;

- 1.Chief (PP&H), P&D Department, Government of Sindh
2. Program Director, Sindh MSDP.
- 3 .Director General Works, Sindh MSDP
4. Manager(CB), SPPRA, Karachi
5. Mr. Gufran Shafi, MSDP Engineering Specialist-USAID/Pakistan, Karachi
6. Chief of the Party AAA+TCI, *14/5*

Contractor's Acknowledge

I hereby agree to the extension of bid validity for Type-A Works - Contract Package WS-05 (Water Distribution System Zone 3 & 4) for a further period of 90 days, as requested by the Program Management Unit, Sindh MSDP. I also agree to extend the validity of bid security beyond 28 days of the extended period of bid validity.

I have authority to extend the tender validity period on behalf of the tenderer.

.....
Signed





.....
Name

.....
Date

.....
Position held

COMPARATIVE STATEMENT COMPONENT WISE(AFTER ARITHMETICAL CHECKING) (WS-05)

Sr.#	Bidder/component	M/s Matracon Pakistan(Pvt) Limited, House No.267-B Main Double Road, F- 10/4, Islamabad	M/s Muhammad Ayoub & Brothers Civil Engineering Contractor, 815/C Block-2 PECHS, Karachi	M/s Muhammad Idress Karkhana S haikh Salahuddin howk, Shadra Bahawalpur	M/s Samad Khan Babar & Co.H.# C- 225, Block-A North Nazimabad, Karachi	Remarks
A	WATER DISTRIBUTION NET WORK	138,064,925/-	146,747,760/-	187,700,181/-	235,782,660/-	
B	VALVE CHAMBER (2 NOS) LARGE SIZE	980,752/-	878,700/-	937,330/-	1,093,420/-	
C	OVER HEAD RESERVOIR FOR 220,000 GALLONS	43,582,568/-	43,585,365/-	33,882,578/-	42,794,088/-	
D	OVER HEAD RESERVOIR FOR 125,000 GALLONS	30,387,738/-	27,938,145/-	22,132,273/-	29,181,444/-	
E	BOUNDARY WALL, (FOR BOTH RESERVOIRS)	1,216,486/-	1,708,500/-	1,755,976/-	2,624,372/-	
F	GENERAL WORKS	5,750,000/-	3,020,000/-	2,900,000/-	2,900,000/-	
G	DAY WORKS SCHEDULE	816,511/-	808,044/-	1,040,184	1,249,620/-	
	GRAND TOTAL	220,798,980/-	224,686,514	250,348,522	315,625,604/-	
	RANKING IN TERMS OF COST	1 ST LOWEST To be recommended for Award	2 ND LOWEST	3 RD LOWEST	4 TH LOWEST	

			
M. NAHEEM WAHEED PROCUREMENT SPECIALIST SINDH MSDDP- MEMBER	SABIR ALI SHAIKH EXECUTIVE ENGINEER PHE DEPTT./MEMBER	KUNWAR AFTAB AHMED KHAN CONTRACT ENGINEER AAA+TCI/COOPTED MEMBER	MUHAMMAD ARAB SHEIKH DIRECTOR GENERAL(WORKS) SINDH -MSDDP- CHAIRMAN



MSDP

Municipal Services Delivery Program
P & D Department, Government of Sindh



USAID
FROM THE AMERICAN PEOPLE

No. PMU/MSDP/P&DD/BER, WS-05/2013-14/ 318
Karachi, dated the 2nd May, 2014

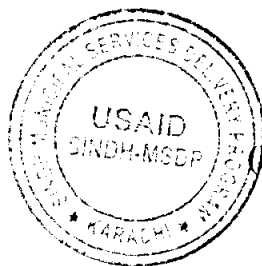
✓ The Manager (CB),
Sindh Public Procurement Regulatory Authority,
Government of Sindh, Karachi.

SUBJECT:- HOISTING OF BID EVALUATION REPORT OF CONTRACT PACKAGE
WS-05

Reference to your letter No.Dir(CB)/SPPRA/37-1(MSDP)/13-14/6358 dated 23rd April,2014 received in this office on 29-4-2014 on the subject cited above and to state that due to typographical error the date of letter No:PMU/SMSDP/PSU/BER WS05/2013-14/305 was written erroneously as 14th February,2014 which may please be read as 14th April,2014, which may kindly be corrected. Any inconvenience caused to this effect is regretted.

Enclosed please find herewith the Comparative Statement component wise/ arithmetic wise of WS-05 package for your information and further necessary action, as desired.

DA/-As above



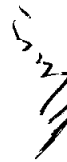
M. Waheed
(MUHAMMED NAEEM WAHEED)
PROCUREMENT SPECIALIST


Copy for information;


1. Secretary (Planning) Planning & Development Department, Government of Sindh
2. Managing Director, SPPRA, Karachi.
3. The Deputy Secretary (Staff) to Chief Secretary Sindh, Karachi.
4. P.S. to ACS (Dev.), Planning & Development Department, Government of Sindh, Karachi
5. P.S. to Program Director, Sindh MSDP
6. P.S. to Director General (Works) Sindh MSDP
7. Chief of the Party AAA+TCI,

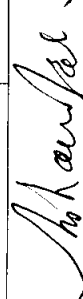
COMPARATIVE STATEMENT COMPONENT WISE(AFTER ARITHMETICAL CHECKING) (MS-05)

Sr.#	Bidder/component	M/s Matracon Pakistan(Pvt) Limited, House No.267-B Main Double Road, F-10/4, Islamabad	M/s Muhammad Ayoub & Brothers Civil Engineering Contractor, 815/C Block-2 PECHS, Karachi	M/s Muhammad IdressKarkhanaS haikhSalahuddinC howk, Shahdra Bahawalpur	M/s Samad Khan Babar & Co.H.# C-225, Block-A North Nazimabad, Karachi	Remarks
A	WATER DISTRIBUTION NET WORK	138,064,925/-	146,747,760/-	187,700,181/-	235,782,660/-	
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G	DAY WORKS SCHEDULE	816,511/-	808,044/-	1,040,184	1,249,620/-	
	GRAND TOTAL	220,798,980/-	224,686,514	250,348,522	315,625,604/-	
	RANKING IN TERMS OF COST	1 ST LOWEST To be recommended for Award	2 ND LOWEST	3 RD LOWEST	4 TH LOWEST	


M. NAQEM WAHEED
 PROCUREMENT SPECIALIST
 SINDH MSDP- MEMBER


SABIR ALI SHAIKH
 EXECUTIVE ENGINEER
 PHE DEPTT./MEMBER


KUNWAR AFTAB AHMED KHAN
 CONTRACT ENGINEER
 AAA+TCI/COOPTED MEMBER


MUHAMMAD ARAB SHEIKH
 DIRECTOR GENERAL(WORKS)
 SINDH -MSDP- CHAIRMAN

Bid Evaluation Report

Name of Procuring Agency: - Project Management Unit (PMU),
Municipal services Delivery Programme,
P&D Department Government of Sindh

Tender Reference No: WS-05 dated

Tender Description/Name of work/item: Contract Package WS-05:
Water Distribution System Zone 3 & 4

Method of Procurement: Prequalification/Restricted Method (Single Stage
one Envelop)

Tender Published: Notice for Pre-qualification of Firms was published in following
Newspapers:

- i. Daily Kawash dated 24th November,2012
- ii. Daily Express Tribune dated 5th December,2012
- iii. Daily Jung dated 25th November,2012

- SPPRA ID / S.No. : 18783 / 157214396 dated 29.1.2014
(ID withheld for BER, CS, TER & AOC)
- List of Pre-qualified Firms hoisted on SPPRA website on 19th
September, 2013
- Letter of Invitation for bids from pre-qualified bidders was hoisted
on SPPRA website on 29th January, 2014.

Technical Bid Opening date: Not Required

Financial Bid Opening date: 3rd March, 2014 @ 2.00 pm

Total Bid documents purchased: 07

Total Bids Received: 04

Bid(s) Rejected: 0

Notes:

- i. Programme of MSDP is sponsored by USAID;
- ii. \$ 50 Million are earmarked for rehabilitation & Up-gradation of Infrastructures
(Water supply, Sanitation & Solid Waste Management) of various towns of Sindh
Province;
- iii. The Packaghe mentioned above is part & parcel of umbrella PC-I of Water Supply
(7 Packages);
- iv. Total cost of 7 Packages is Rs: 1992 Million;
- v. Bids for remaining 3 Packages will be invited afterwards;
- vi. Escalation in rates/difference in bid cost will be covered from Dollar-Rupee
exchange rates.




Bid Evaluation Reports

Contract Package WS-05 – Water Distribution System Zone 3 & 4

	Name of Firm or Bidder	Cost offered by the Bidder	Final Quoted Price by bidder after premium/rebate, arithmetic corrections (if any)	Ranking in terms of cost	Consultant's Estimated cost	Reasons for acceptance/rejection	Remarks
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3.	M/s. Muhammad Idrees Karkhana Shaikh Salahuddin Chowk Shahdra, Bahawalpur	249,868,143	250,348,522	3 rd lowest	229,206,394	Responsive Bid	
2.	M/s Samad khan Babar & Co, H.# C-225, Block-A North Nazimabad, Karachi	316,025,604	315,625,604	4 th lowest	229,206,394	Responsive Bid	


(Sabir Ali Shaikh)

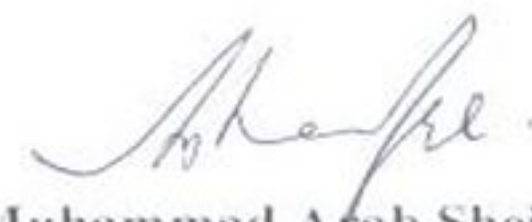
Executive Engineer/Member PC
Public Health Engineering Department


(Muhammad Naeem Waheed)
Procurement Specialist/Member PC
USAID/ Sindh MSDP



(Aftab Ahmed Khan)
Representative of AAA & Tec-Consultant
International (Co-Opted Member)





(Muhammad Arab Sheikh)
Director General (Works) Chairman PC
USAID/ Sindh MSDP