

OFFICE OF THE EXECUTIVE ENGINEER THAR DIVISION MIRPURKHAS

No. BC/G-55/TD/415 of 2017

Mirpurkhas dated: 05/04/2017

To,

The Manager (CB)

Sindh Public Procurement Regulatory Authority
Karachi

**SUBJECT:- PROVIDING WATER FROM LOWER NARA CANAL RD 455 TO
TAR HASHIM VIA JESRO & CONSTRUCTING RESERVOIRS
(SR. NO. 24174/2015).**

It is stated that the above said ADP Scheme has been Revised by enhancing the quantities of works as this scheme contains same nature of work as well as required equipments besides the contractor is being carried out the work due to having the similarity in the equipments which are lying in the already awarded work. By invoking of SPPRA Rule 2010 clause 16(b) implies that process of direct contract can be availed on basis of same nature work. The necessary permission has already been accorded by competent authority.

The requirement of clause 16(b) of SPPRA Rule 2010 have been fulfilled by submitting the relevant Revised Bill of Quantities (BOQ), permission from competent authority.

(ASHFAQUE NOOH MEMON)
EXECUTIVE ENGINEER
THAR DIVISION
MIRPURKHAS

For 5/4 10/4
10/4

(Mansab)

3627

07-4-17

SINDH IRRIGATION & DRAINAGE AUTHORITY

Left Bank Barrage Colony Hyderabad, Sindh



Phone: 022-9210080
Fax: 022-9210081
Email: sida@hyd.breeze.net.pk
Website: www.sida.org.pk



No. MD/SIDA/DB-Tender/5-33/NCAWB//

1411

Dated: 31 / 03 / 2017

SAY NO TO CORRUPTION

To

The Director
Nara Canal Area Water Board
Mirpurkhas

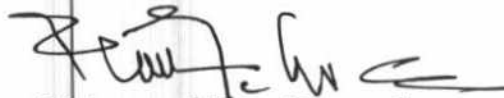
Subject: - **PROVIDING WATER FROM LOWER NARA CANAL RD 455 TO
TAR HASHIM VIA JESRO & CONSTRUCTING RESERVOIR.**

In view of the circumstances, explained by you vide office letter No.AC(i)/G-2(b)/NCAWB/674 dated 20-03-2017 is justified, undersigned being competent authority in terms of Section 16 (b) (i) DIRECT CONTRACTING of Sindh PPRA Rule 2010 (Amended 2013).

The necessary permission is hereby accorded to carry out the work for enhance quantity of similar items (Revised BOQ) for Providing Water from Lower Nara Canal RD 455 To Tar Hashim Via Jesro & Constructing Reservoir, subject to assurance of availability of funds and all codal formalities should be completed in accordance to SPPRA rule 2010 (Amended 2013).

S. No.	Name of work	Revised amount
01.	providing water from Lower Nara Canal RD 455 To Tar Hashim Via Jesro & Constructing Reservoir	Rs:1950991327/-

Encl: as above:


(Mohammad Khan Nizamani)
Managing Director
SIDA-Hyderabad

C.c to:

- ❖ Executive Engineer Thar Division Mirpurkhas.
- ❖ Office file.

Haji Sirajuddin Soomro

Contractors & Engineers

Ref: _____

Date: _____

Dated: 01-03-2017

To,

M/S Associated Consulting Engineers ACE (PVT) LTD
B-25/25, Maqboolabad Cooperative Housing Society
Opp. Tipu Sultan Road Karachi-75350

SUBJECT:- PROVIDING WATER FROM ;OWER NARA CANAL RD 455 TO TAR HASHIM VIA
JESRO & CONSTRUCTING RESERVIOIRS.

Reference:- Your office letter dated: 27/02/2017.

In Pursuance of your aforesaid letter No, it is to inform that I am willing to carryout/execute the enhanced work to Revised PC-I at prevalent condition and same rates of original awarded contact of above mentioned scheme which exists in the agreement.

All the applicable codal formalities will be fulfilled by me.


M/S Haji Sirajuddin Soomro.



Head Office:

Plot # X-22, Extension Area, S.I.T.E Kotri.
Ph: +92-22-3870614 +92-22-3870615 Fax: +92-22-3870606
Email: hsssoomro@gmail.com

Branch Office:

72 / 4, Hamid Plaza Saddar, Cantt Hydera bad.
Ph: # +92-22-2730935 Fax: +92-22-2730936
Email: hsssoomro@gmail.com

REVISE ESTIMATE / VARIATION ORDER FOR PROVIDING WATER FROM LOWER NARA CANAL R.D 455 TO TAR HASHIM VIA JESRO AND CONSTRUCTING RESERVOIRS

**LENGTH: Main Line: 56.5 &
Enroute Lines: 184.43 Kms**

GENERAL ABSTRACT OF COMPERATIVE STATEMENTS A & B

S. NO	DESCRIPTION	LAST SANCTIONED PROJECT Amount	REVISE / VARIATION						Difference		Remarks
			WORK DONE			WORK TO BE DONE			TOTAL		
			Amount	Amount	Amount	Amount	Amount	Amount	Excess	Savings	
1	CIVIL WORK										
A	Irrigation Module	557,606.763	-		936,590.058		936,590.058	378,983.30			
B	Storage Settlement Tank	55,938,225.97	34,558,651.38		1,360,380.00		35,919,031.38	-	20,019,194.60		
C	Sump Well	1,077,676.20	1,374,743.63		-		1,374,743.63	297,067.43	-		
D	Pump House	2,106,800.09	-		3,097,061.13		3,097,061.13	990,261.05	-		
E	Staff Quarter	1,087,323.99	-		2,503,741.81		2,503,741.81	1,416,417.82			
F	Feeding Channel	2,166,820.26	-		1,322,300.00		1,322,300.00	-	844,520.26		
G	Compound Wall	5,133,969.86	2,739,394.00		3,484,088.05		6,223,482.05	1,089,512.19	-		
H	Under Ground Reservoirs (5000 Gallons Capacity)	-	-		29,862,850.71		29,862,850.71	29,862,850.71	-		
I	Under Ground Reservoirs (10000 Gallons Capacity)	12,829,019.50	-		67,999,524.64		67,999,524.64	55,170,505.15	-		
J	Under Ground Reservoirs (20000 Gallons Capacity)	24,478,967.32	1,915,312.37		41,766,997.68		43,682,310.05	19,203,342.73	-		
K	Under Ground Reservoirs (50,000 Gallons Capacity)	14,921,007.93	3,840,945.07		12,754,141.39		16,595,086.47	1,674,078.53	-		
	Total Original Construction Cost of Civil Works Rs:	120,297,417.9	44,429,046.5		165,087,675.5		Total Revise Construction Cost of Civil Works Rs: 209,516,721.92	89,219,304.04	-	Total Excess in the cost of Civil works is due to increase in no: of Underground Reservoirs from 37 to 101	
L	BLACK STEEL PIPE & HDPE PIPE	999,728,179.17	901,052,741.860		937,780,530.79		Total Revise Construction Cost Of Pipeline Rs: 1,838,833,272.65	839,105,093.48	-	Excess in Pipeline cost is due to increase in length of HDPE Pipe from 98 Kms to 185 Kms to Provide water to 16 more new villages and 5 nos: Ranger's Out Posts along Border Line	
	Total Construction Cost of Civil Works+Pipe Line Rs:	1,120,025,597.05	945,481,788.31		1,102,868,206.26		Total Revise Construction Cost of Civil Works+Pipe Line Rs: 2,048,349,994.57	928,324,397.52	-		
2	PUMPING MACHINARY										
A	PUMPING MACHINARY @ Zero Point	17,131,500.0	-		21,600,000.0		21,600,000.00	4,468,500.00	-		
B	Solar System at Zero Point + Solar Pumping Station & Reservoir at Y-Same	-	-		113,522,899.73		113,522,899.73	113,522,899.73	-		

**REVISED SUMMARY OF BID PRICE
BILL OF QUANTITIES (REVISED)**


Name of work: **"PROVIDING WATER FROM LOWER NARA CANAL RD 455 TO
TAR HASHIM VIA JESRO AND CONSTRUCTING RESERVOIR".**

S.NO	DDESCRIPTION	AMOUNT
A)	Irrigation Module	936556.76
B)	Storage Settlement Tank	35919031.38
C)	Sump Well	1374716.20
D)	Pump House	797060.54
E)	Staff Quarter	2503715.40
F)	Feeding Channel	1322300.00
G)	Compound wall	6223482.05
H)	RCC Underground Reservoirs (10,000 Glns Capacity)	19217354.00
I)	RCC Underground Reservoirs (20,000 Glns Capacity)	41484181.37
J)	RCC Underground Reservoirs (50,000 Glns Capacity)	16595116.07
K)	Black steel Pipe 12" dia PE Pipe	1824617813.49
TOTAL Rs:-		1950991327.00


In words Rupees :- One thousand Nine hundred fifty million nine hundred ninety one thousand three hundred twenty seven) only.


**RESIDENT ENGINEER
ACE (PVT) LTD.**




**MEMBER
(Tufail Ahmed Abro)
Regional Monitoring
& Evaluation Officer Hyderabad
P & D Department**


**CHAIRMAN
(Ashfaqe Nooh Memon)
Executive Engineer
Thar Division
Mirpurkhas**


**MEMBER
(Ghulam Akbar Lashari)
Executive Engineer
Jamrao Division
Mirpurkhas**


**DIRECTOR
Lower Canal Area Water Board (LCWA)
MIRPURKHAS.**

Approved


**Managing Director
Irrigation & Drainage Authority
Hyderabad.**

REVISED BILL OF QUANTITIES (A)

Name of work:- **CONSTRUCTION OF IRRIGATION MODULE**

S.#	ITEM DESCRIPTION	QTY	RATE	UNIT	AMOUNT
(I)	SCHEDULE ITEMS				
1	Excavation in foundation of Building Bridges and other structures including dagbelling dressing, refilling around structure with excavated earth Watering & ramming lead upto 5ft. (Ordinary Soil)	9168.0	7.22	Cft	66192.96
2	C.C Plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering. (Ratio 1:4:8).	457.50	163.00	Cft	74572.50
3	C.C Plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering. (Ratio 1:3:6).	610.0	182.00	Cft	111020.00
4	C.C Plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering. (Ratio 1:2:4).	427.50	210.00	Cft	89775.00
5	Pacca brick work in foundation and plinth in Cement Sand Mortar Ratio (1:5)	795.0	190.00	Cft	151050.00
6	Pacca brick work other than building including striking of joints upto 20 Ft. height in Cement sand mortar Ratio (1:4)	1285.37	205.00	Cft	263500.85
7	R.C.C work including all labour & material except the cost of steel reinforcement & its labour for bending & binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering & finishing the exposed surface (i/c) screening & washing of shingle.) (Ratio 1:2:4)	56.3	1050.00	P.Cwt	59115.00
8	Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.).	2.4	6000.00	P.Cwt	14460.00
9	Cement plaster 1:4 upto 12' height. 3/4" thick.	1486.01	45.00	Sft	66870.45
TOTAL Rs:-					896556.76
(II)	NON SCHEDULE ITEMS				
1	Providing A.P.M Frame of approved size (M.R)	1.0	40000.0	Each	40000.00
G.Total (i + ii) Rs:-					936556.76


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 Jamrao Division
 Mirpurkhas




REVISED BILL OF QUANTITIES (B)

Name of work:- **CONSTRUCTION OF STORAGE TANK (2 Nos).**

S.#	Item	Quantity	Rate	Unit	Amount
1	Excavation for tanks and reservoir in sandy soil i/c trimming and dressing sides to true alignment/ design sections/profiles & shapes levelling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus earth. Excavated earth within one chain as directed by engineer incharge i/c providing fence guards, lights, flags, & temporary crossings for non-vehicular traffic where ever required lift upto 5ft & lead upto one chain	1396574.56	7.22	Cft	10083268.32
2	Pacca brick work other than building i/c striking of joints upto 20' ft height (Ratio 1:3)	3774.52	225.00	Cft	849267.17
3	Formation, dressing and preparing sub grade.				
a	In bed.	107916.00	5.00	Sft	539580.00
b	On slope.	40851.72	5.50	Sft	224684.46
4	Cement plaster 3/8" thick ratio 1: 3.				
b	On slope.	40851.72	48.00	Sft	1960882.56
5	Cement concrete lining ratio 1: 2 : 4,				
a	In bed.	62164.51	210.00	Cft	13054547.44
b	On slope.	14533.61	215.00	Cft	3124725.74
6	Brick lining (9"x4 1/2"x3") in 1:3 cement sand mortar				
a	In bed.	5201.32	210.00	Cft	1092277.20
b	On slope.	15861.35	220.00	Cft	3489497.87
7	Erection and removal of centering for R.C.C or plain cement concrete works of deadar wood (a) Horizontal floors.	1181.76	112.00	Sft	132357.34
8	Filling expansion joints with bitumen , sand.....	756.33	10.00	Sft	7563.28
9	Pacca brick work in foundation and plinth ration 1:3	6636.00	205.00	Cft	1360380.00
				Total Rs:-	35919031.38


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REVISED BILL OF QUANTITIES (C)

Name of work:- **CONSTRUCTION OF SUMP WELL**

S.#	Item Description	Quantity	Rate	Unit	Amount
1	Excavations in foundation building and bridges and other structure i/c deg belling dressing refilling around structure with excavated earth watering and ramming lead up to 5 ft: in ordinary soil.	11115	7.22	Cft	80250.30
2	Cement concrete plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:3:6.	239.25	182.00	Cft	43543.50
3	Cement concrete plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:2:4.	156.94	210.00	Cft	32957.40
4	RCC work i/c all labour and material except the cost of steel reinforced & its labour for binding & binding which will be paid separately this rate also i.c of kinds of forms modules lifting shuttering curring rendering & infishing the exposed surfaced i/c screening and washing of shingle (a) RCC work in roof slabs.	839.22	1050.00	P/Cft	881181.00
5	Fabrication of mild steel reinforcement for concrete etc i/c cutting bending laying in position making joints and fastening i.c of rust from bars.	54.32	6200.00	P/Cwt	336784.00
				Total Rs:-	1374716.20


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REVISED BILL OF QUANTITIES (D)

Name of work:- **CONSTRUCTION OF PUMP HOUSE**

S.#	Item Description	Quantity	Rate	Unit	Amount
1	Excavations in foundation building and bridges and other structure i/c deg belling dressing refilling around structure with excavated earth watering and ramming lead up to 5 ft: in ordinary soil.	483.75	7.22	Cft	3492.68
2	Cement concrete plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:3:6.	193.50	182.00	Cft	35217.00
3	Cement concrete plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:2:4.	160.00	210.00	Cft	33600.00
4	Pacca brick work in foundation and plinth in (a) cement sand mortar ratio 1:4	288.00	205.00	Cft	59040.00
5	Damp Proof Course with (cement sand and shingle concrete (1:2:4) i/c two coats of asphaltic mixture (c) 3" thick.	96.00	98.00	Cft	9408.00
6	Pacca Brick Work in ground floor in cement sand motor ratio 1:5	438.38	190.00	Cft	83292.20
7	RCC work i/c all labour and material except the cost of steel reinforced & its labour for binding & binding which will be paid separately this rate also i.c of kinds of forms modules lifting shuttering curring rendering & infishing the exposed surfaced i/c screening and washing of shingle (a) RCC work in roof slabs.	189.86	1050.00	P/Cft	199353.00
8	Fabrication of mild steel reinforcement for concrete etc i/c cutting bending laying in position making joints and fastening i.c of rust from bars.	10.17	6200.00	P/Cwt	63054.00
9	First Class deodar wood worught joinery in doors & windows etc fixed in postion i/c chowkats hold fasts hinges, iron over bolts, chokes etc handles & cords with hooks etc. Deodar panelled or panelled & glazed or fully glazed (a) 2" thick.	128.50	1800.00	P/Sft	231300.00
10	Cement plaster up to ratio 1:3 upto 12' height 3/4" thick	1300.06	45.00	Sft	58502.70
11	Distemping (b) two coats.	1300.06	16.00	Sft	20800.96
				Total Rs:-	797060.54


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REVISED BILL OF QUANTITIES (E)

Name of work:- CONSTRUCTION OF STAFF QUARTER.

S.#	Item Description	Quantity	Rate	Unit	Amount
(I)	CIVIL WORK				
1	Excavations in foundation building and bridges and other structure i/c deg belling dressing refilling around structure with excavated earth watering and ramming lead up to 5 ft. in ordinary soil.	800.94	7.22	Cft	5782.77
2	Cement concrete plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:3:6.	522.44	182.00	Cft	95084.08
3	Cement concrete plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:2:4.	237.00	210.00	Cft	49770.00
4	Pacca brick work in foundation and plinth in (a) cement sand mortar ratio 1:4.	363.75	205.00	Cft	74568.75
5	Damp Proof Course with (cement sand and shingle concrete (1:2:4) i/c two coats of asphaltic mixture (c) 3" thick	181.88	80.00	Cft	14550.40
6	Pacca Brick Work in ground floor in cement sand motor ratio 1:5	785.63	190.00	Cft	149269.70
7	RCC work i/c all labour and material except the cost of steel reinforced & its labour for binding & binding which will be paid separately this rate also i.c of kinds of forms modules lifting shuttering curring rendering & infishing the exposed surfaced i/c screening and washing of shingle (a) RCC work in roof slabs.	196.18	1050.00	Cft	205989.00
8	Fabrication of mild steel reinforcement for concrete etc i/c cutting bending laying in position making joints and fastening i.c of rust from bars.	11.02	6200.00	Cwt	68324.00
9	First Class deodar wood worught joinery in doors and windows etc fixed in postion i/c chowkats hold fasts hinges, iron over bolts, chokes etc handles and cords with hooks etc. Deodar panelled or panelled and glazed or fully glazed (a) 2" thick.	128.50	1100.00	Sft	141350.00
10	Cement plaster up to ratio 1:3 upto 12' height 3/4" thick	2599.00	45.00	Sft	116955.00
11	Distemping (b) two coats	2599.00	16.00	Sft	41584.00
					963227.70



S.#	Item Description	Quantity	Rate	Unit	Amount
(ii)	<u>ELECTRIFICATION</u>				
	SCHEDULE ITEMS				
1	Wiring for light or fan point with 1/1.13 (3/0.029) insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required.	16.00	1500.00	Each	24000.00
2	Wiring for plug point with 1/1.13 (3/0.029) insulated wire in 20mm (3/4") PVC conduit on surfae as required.	10.00	1100.00	Each	11000.00
3	Wiring for call bell point with 1/1.13 (3/0.029) insulated wire in 20mm (3/4") PVC conduit recessed in the wall or columns as required.	1.00	2200.00	Each	2200.00
4	P/F A.C one way S.P 10/15 amps switch flash on metal board recessed in wall or columns covered with fiber sheet.	16.00	80.00	Each	1280.00
5	Providing & laying (Main or Sub Main) PVC insulated with size 2-7/0.029/.036 copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	150.00	250.00	Rft	37500.00
6	Providing & laying (Main or Sub Main) PVC insulated with size 2-7/0.044 (6mm ²) copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	150.00	400.00	Rft	60000.00
7	P/F surface type 3 pin 15amp plug socket switch flush type.	11.00	190.00	Each	2090.00
8	Providing & fixing Brass Battern holder swiveling type	14.00	80.00	Each	1120.00
9	Providing & fixing bakelite ceiling rose with two terminals	12.00	80.00	Each	960.00
10	Providing for circuit breaker 6 Amps to 63 Amps D.P i/c fixing on a prepared baord and necessary connection.	2.00	1100.0	Each	2200.00
11	Providing for circuit breaker 3.0 Amps to 50 Amps T.P i/c fixing on a prepared baord and necessary connection.	1.00	7000.0	Each	7000.00
12	P/F A.C Brass ceiling fan 56" (good quality)	2.00	4000.0	Each	8000.00
Total of Schedule Item :-					157350.00

Di *AK* *SM*

Sanjay



S.#	Item Description	Quantity	Rate	Unit	Amount
NON-SCHEDULE ITEMS					
1	Providing & fixing Distribution board double shutter to accommodate circuit breaker i/c painting with enameled paint other similar jobs on surface.	1.50	3000.0	Sft	4500.00
2	P/F 1-40 walts tube light complete with 40 walts 4"-0 rod choxk starter and putty with philips components including necessary electric connectin and fixing on wall or ceiling etc complete.	5.00	800.00	Each	4000.00
3	P/F Energy sever superior quality i/c fixing on existing holer etc complete.	14.00	700	Each	9800.00
4	P/F electric A.C or D.C electric buzzer 200/250 volts.	1.00	150.00	Each	150.00
5	P/F flush type electric bell push button.	1.00	50.00	Each	50.00
6	P/F flush type 2 pin 5 Amps S.P plug socket switch and shoe unit on prepared board recessed in wall or columns covered with plastic sheet.	10.00	150.00	Each	1500.00
7	P/F Girder type fan clamps.	2.00	150.00	Each	300.00
8	S/F Main Gate Globe i/c energy sever superior qulaity & nuts & bolts (Monuments type).	1.00	1100.00	Each	1100.00
9	Wiring for main with 07/0.052 twin core.	100.00	60.00	Rft	6000.00
Total of Non Schedule Item :-					27400.00
G.TOTAL ELECTRIFICATION :-					184750.00
(iii) WATER SUPPLY / SANITARY					
SCHEDULE ITEM					
1	Providing & fixing squatting type white glazed of flussing cistern with internal fitting and flush pipe bend and making requist number of holes in wall plinth in floor for pipe holes connection and making good in cement concrete 1:2:4 W.C pan of non less than white 4" dia white glazed earthen waterape and plastic thumble.	1.00	6000.00	Each	6000.00
2	Providing & fixing 22 x 16 lavatory basin in white glazed eathen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches bolts into wall pointed white in 2 dia chome plated pillar traps 1 1/2" rubber plug and chrome brass waste of approved pattern 1 1/4" dia malleable iron or C.P brass traps malleable iron or brass unions and making requisite for pipe connectino and making good in cement concrete 1:2:4 foreign or equivalent.	1.00	5800	Each	5800.00
3	Providing & fixing steel stainless local make complete with cost iron or wrought iron brakets 6" inchers built in wall 1 1/2" plate PVC waste pipe and making requiste number of holes in walls and plinth and foot for pipe connection and making good C.C 1:2:4 (b) steel sink stainless sized 36" x18" local make (standard pattern).	1.00	6200	Each	6200.00

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S.#	Item Description	Quantity	Rate	Unit	Amount
4	Providing & fixing PVC pipe of "B" class fixing in trench i/c cutting fitting & jointing with solvent cement i/c testing with water head to head of 61 meter or 200ft: dia				
	100 mm 4" dia (b)	100.00	160.00	P/Rft	16000.00
5	Providing & fixing 6"x2" or 6"x3" C.I floor trap of the approved self cleaning design with screwed down gritting with or without a vent arm complete with & i/c making requisite number of holes in walls plinth in & floor for pipe condition & making good in C.C 1:2:4.	3.00	2400	Each	7200.00
6	Providing & fixing 6"x4" C.C gully trap with 4" out let complete with 4" thick 1:2:4 C.C for bed & 1/2" thick cement plaster (1:3) to the karb C.I grating 6"x6" & C.I cover and frame 12"x12" (inside etc complete) (a) C.C gully trap 6"x6"x4".	2.00	1300	P/Rft	2600.00
7	Providing & fixing in position nylon connection complete with 1/2" dia dap bras stop cock with pair of brass nuts and lining joints to nylon connection.	2.00	480.00	P/Rft	960.00
8	Supplying & fixing in long bib cock of superior quality with C.P 1/2" dia.	2.00	1300	Each	2600.00
9	Supplying & fixing concealed tee slop cock of superior quality with crystal head 1/2" dia.	2.00	1000	Each	2000.00
10	Supplying & fixing concealed stop cock of superior quality with crystal head 1/2" dia.	1.00	700.00	Each	700.00
11	Supplying & fixing wash besin mixture of superior quality with C.P head 1/2" dia.	1.00	3200.00	Each	3200.00
12	Supplying & fixing mixture cock of superior quality with C.P hea detc complete.	1.00	3000	Each	3000.00
13	Supplying & fixing bath room accessories (7 pieces) i/c towel rod, brush, holder, soap tray shelf of approved quality and design etc complete.	1.00	11000	Each	11000.00
14	Construction of manhole or inspection chamber for the required dia of circular sewer & 3-6 (1067mm) depth with walls of B.B in cement mortar 1:3 cement plastered 1:3 1:2" thick inside of walls and 1" (25mm) thick over benching and channels i/c fixing C.I manhole cover with frame of clear opening 1 M 1/2"x1/2" 457x4527 of 1.75 WT (88.9 Kg) embedded in plain C.C 1:2:4 & fixing 1" (25mm) dia M.S steps 6" (15mm) wide projecting 4" (1012mm) from the face of wall at 12" (305mm) C.C dully pointed etc comp: as per specification & No:DP 1 of public health circle souther zone (a) 4"to12"2"x2'x3'-6" without C.I cover.	1.00	18000	Each	18000.00
Total of Schedule Item:-					85260.00

Ark


Amay



S.#	Item Description	Quantity	Rate	Unit	Amount
(Non Schedule Items)					
1	Providing & fixing UPVC pipe (AGM) 1/2" dia	70.00	120.00	P/Rft	8400.00
2	Providing & fixing UPVC pipe (Pak Arab)				
(a)	1/2" dia	21.00	90	P/Rft	1890.00
(b)	3/4" dia	28.00	110	P/Rft	3080.00
3	Providing & fixing UPVC plug T 4" dia	2.00	500	Each	1000.00
4	Providing & fixing UPVC plug bend 4" dia	5.00	400	Each	2000.00
5	Providing & fixing UPVC plain bend	5.00	350	Each	1750.00
6	Providing & fixing UPVC terminal guard	2.00	250	Each	500.00
Total of Non Schedule Item :-					18620.00
TOTAL WATER SUPPLY / SANITARY :-					103880.00
G.Total (i+ii+iii) Rs:-					1251857.70
1251857.70 X 2 Nos Quarter Rs:-					2503715.40


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REVISED BILL OF QUANTITIES (F)

Name of work:- **CONSTRUCTION OF FEEDING CHANNEL**

S.#	Item	Quantity	Rate	Unit	Amount
1	Excavations in foundation building and bridges and other structure i/c deg belling dressing refilling around structure with excavated earth watering and ramming lead up to 5 ft: in ordinary soil.	10000.00	7.22	Cft	72200.00
2	Cement concrete plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:3:6.	1350.00	182	Cft	245700.00
3	Cement concrete plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:2:4.	1200.00	210	Cft	252000.00
4	Pacca brick work other than building i/c striking of joints upto 20' ft: height in cement sand mortar ratio 1:5	3060.00	190	Cft	581400.00
5	Cement plaster up to ratio 1:3 upto 12' height 3/4" thick	3800.00	45	Sft	171000.00
				Total Rs:-	1322300.00


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REVISED BILL OF QUANTITIES (G)

Name of work:- CONSTRUCTION OF COMPOUND WALL

S.#	Item	Quantity	Rate	Unit	Amount
1	Excavations in foundation building and bridges & other structure i/c deg belling dressing refilling around structure with excavated earth watering & ramming lead up to 5 ft: in ordinary soil.	17550.00	7.22	Cft	126711.00
2	C.C plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:3:6.	5376.25	182.00	Cft	978477.50
3	C.C plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:2:4.	4398.75	210.00	Cft	923737.50
4	Pacca brick work in foundation and plinth in (a) cement sand mortar ratio 1:5.	8797.50	190.00	Cft	1671525.00
5	Damp Proof Course with (cement sand and shingle concrete (1:2:4) i/c two coats of asphaltic mixture (c)3" thick.	2932.50	80.00	Sft	234600.00
6	Pacca Brick Work other than building i/c striking of joints upto 20' ftL heaight in cement sand motor ration 1:5	6046.62	190.00	Cft	1148857.80
7	Making and fixing steel grated door with 1 1/6" thick sheeting i/c angle iron frame 2'x2" 3/8" and 3/4" square bars 4" i/c with locking arrangements	72.00	1100.00	P.Sft	79200.00
8	Cement plaster up to ratio 1:3 upto 12' height 3/4" thick	18763.85	45.00	Sft	844373.25
9	Painting new surfaces, prearing surface and painting guard bars, gates of iron bars grating railins i/c standard braces etc and similar open work (Three coats).	144.00	1500.00	Sft	216000.00
			Total Rs:-		6223482.05


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REVISED BILL OF QUANTITIES (H)

Name of work:- CONST: OF UNDER GROUND RESERVOIRS (10,000 Glns Capacity) 13 NOS.

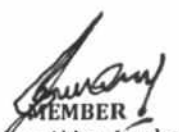
S.#	Item Description	Quantity	Rate	Unit	Amount
1	Excavation for tanks and reservoir in sandy soil i/c trimming and dressing sides to true alignment/ design sections / profiles and shapes levelling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus earth. Excavated earth within one chain as directed by engineer incharge i/c providing fence guards, lights, flags, and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft and lead upto one chain.	7500.00	7.22	Cft	54150.00
2	Cement concrete plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:3:6.	140.00	182.00	Cft	25480.00
3	RCC work i/c all labour and material except the cost of steel reinforced & its labour for binding & binding which will be paid separately this rate also i.c of kinds of forms modules lifting shuttering curring rendering & infishing the exposed surfaced i/c screening and washing of shingle (a) RCC work in roof slabs.	936.88	1050.00	Cft	983724.00
4	Fabrication of mild steel reinforcement for concrete etc i/c cutting bending laying in position making joints and fastening i.c of rust from bars.	66.92	6200.00	Cwt	414904.00
Total Rs:					1478258.00
1478258.00 x 13 Nos Reservoirs:-					19217354.00


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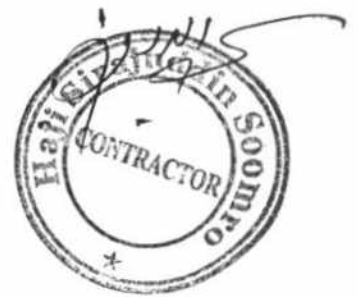

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REVISED BILL OF QUANTITIES (I)

Name of work:- CONST: OF UNDER GROUND RESERVOIRS (20,000 Glns Capacity) 19 NOS.

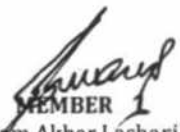
S.#	Item Description	Quantity	Rate	Unit	Amount
1	Excavation for tanks and resvoir in sandy soil i/c trimming and dressing sides to true alignment/ design sections / profiles and shapes levelling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus earth. Excavated earth within one chain as directed by engineer incharge i/c providing fence guards, lights, flags, and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft and lead upto one chain.	199633.50	7.22	Cft	1441353.87
2	C.C plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:3:6.	4680.00	182.0	Cft	851760.00
3	C.C plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:2:4.	327.75	210	Cft	68827.50
4	RCC work i/c all labour and material except the cost of steel reinforced & its labour for binding & binding which will be paid separately this rate also i.c of kinds of forms modules lifting shuttering curring rendering & infishing the exposed surfaced i/c screening and washing of shingle (a) RCC work in roof slabs.	26213.12	1050	Cft	27523776.00
5	Fabrication of mild steel reinforcement for concrete etc i/c cutting bending laying in position making joints & fastening i.c of rust from bars.	1870.72	6200	Cwt	11598464.00
Total Cost of 19 Nos Reservoirs Rs:-					41484181.37


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REVISED BILL OF QUANTITIES (J)

Name of work:- CONST: OF UNDER GROUND RESERVOIRS (50,000 Glns Capacity) 04 NOS.

S.#	Item Description	Quantity	Rate	Unit	Amount
1	Excavation for tanks and reservoir in sandy soil i/c trimming and dressing sides to true alignment/ design sections / profiles and shapes levelling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus earth. Excavated earth within one chain as directed by engineer incharge i/c providing fence guards, lights, flags, and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft and lead upto one chain.	73801.88	7.22	Cft	532849.57
2	C.C plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:3:6.	3330.00	182.00	Cft	606060.00
3	C.C plain including placing compacting finishing curing complete including screening and washing of stone aggregate without shuttering 1:2:4.	783.00	210.00	Cft	164430.00
4	RCC work i/c all labour and material except the cost of steel reinforced & its labour for binding & binding which will be paid separately this rate also i.c of kinds of forms modules lifting shuttering curring rendering & infishing the exposed surfaced i/c screening and washing of shingle (a) RCC work in roof slabs.	10238.89	1050.00	Cft	10750834.50
5	Fabrication of mild steel reinforcement for concrete etc i/c cutting bending laying in position making joints and fastening i.c of rust from bars.	732.41	6200.00	Cwt	4540942.00
				Total Rs:-	16595116.07


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