



No.TC/ 332 /of/2017.

OFFICE OF THE
EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
SANGHAR

Dated 18/04 of/2017

NOTICE INVITING TENDERS.

Tenders are invited from the reputed contractors / Firms registered with PEC having sufficient experience in the related field against work mentioned as under as per Sindh Public Procurement Regulatory Authority Rules 2010.


S.#	Location of Works	TALUKA	Amount (in millions)	Tender Fee	Time
	PROVINCIAL ADP				
1.	Construction of Surface Drains i/c C.C Block for Rural Drainage Scheme Dhani Bux Wassan District Sanghar	Sanghar	1.525	1000/-	03 Months
2.	Construction of Compound wall & Repair of Pump House & PVC Distribution System for Water Supply Scheme Matal Samejo District Sanghar	Khipro	1.400	1000/-	12 Months
	DISTRICT ADP				
3.	Construction of Feeding Channel, Pump House, Compound wall Pumping Machinery & PVC Distribution System for Rural Water Supply Scheme Tamachi Wassan District Sanghar.	Sanghar	1.550	1000/-	27 Months

MANDATORY REQUIREMENTS:-

- Blank Tender forms can be obtained from office of the undersigned during office hours from the date of publication upto **12.00 Noon of 08-05-2017** on payment of specified tender fee. Tenders will be received back on **09-05-2017** upto **1.00 PM** & will be opened on same date at **2.00 PM** in the presence of Contractors or their authorized representatives. In case of un-responded tenders or undersigned is out of Head Quarter the next date for issuing tenders till **24-05-2017** upto **12.00 (Noon)** and the bids shall be received back on same date upto **1.00 PM** and open on same date i.e **24-05-2017 at 2.00 PM** under same terms and conditions. Bid Security in shape of pay order equivalent to **2%** of estimated cost shall be in favour of Executive Engineer, PHE Division Sanghar. The tenders without Bid Security shall not be accepted. Bid Security of un-successful bidders shall be returned after issuance of work order to successful bidder.
- Eligibility Criteria for intending participants is as under:-
 - Documents evidence of works of same nature (PHED related works) of equivalent cost or above, Executed during last three (3) years, along with certificate of satisfactory completion showing date of start and completion from employer.
 - List of works and copy of letter of award. Work orders of equivalent cost or above.
 - List of machinery and equipments available with documentary proof of its ownership.
 - Registration with Income tax Department (NTN Copy), Sindh Revenue Board, (Sales Tax Registration) and copy of CNIC.
 - Undertaking on stamp paper that Firm is not involved in any litigation, Departmental rift has abandoned or made unnecessary delay in completion of any work in the Government Departments.

- vi) The Application shall accompany along with tender fee as shown against each work for purchase of bidding documents.
- vii) Certificate of bank showing credit worthiness along with last three (3) years audited bank statement.
- viii) Affidavit that firm has not been black listed previously by any Executing agency.
- ix) Affidavit that all documents / particulars / information furnished is true and correct.
- x) Conditional tenders will not be entertained.
- xi) Registration with Pakistan Engineering Council in relevant category or above (If Applicable) with field of specialization CE-09 Renewed upto 2017.

3. The Under signed and other competent authority reserves the rights to reject any one or all the Bids as per provision of SPPRA Rules 2010 (Amended 2013).


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG DIVISION
SANGHAR

CC to the:-

Director of Information Public Relation Department Government of Sindh
Block No.96 Sindh Secretariat Karachi along with (7) Seven Copies for
publication in at least three language leading newspapers.

Secretary of Government of Sindh Procurement Technology Department
1st Floor, Sindh Secretariat No.6 Karachi for display on the website of
Sindh Government.

Director (C.B) Sindh Public Procurement Regulatory Authority (SPPRA)
Government of Sindh Barrack No.08 Secretariat No.04 A, Court Road
Karachi.

Chief Engineer, Public Health Engineering Department Government of
Sindh Hyderabad.

Superintending Engineer, Public Health Engineering Circle Mirpurkhas.

Notice Board / Drawing Branch.


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG DIVISION
SANGHAR

OFFICE OF THE EXECUTIVE ENGINEER, PUBLIC HEALTH ENGINEERING DIVISION SANGHAR

ANNUAL PROCUREMENT PLAN

(WORKS, GOODS AND SERVICES)

Sr.#	Description of Procurement	Quantity (Where Applicable)	Estimate Cost (Where Applicable)	Funds Allocated (in Millions)	Source of Funds (ADP- Non ADP)	Proposed Procurement Method	Timing of Procurement				Remarks
							1st Qtr:	2nd Qtr:	3rd Qtr:	4th Qtr:	
	PROVINCIAL ADP										
1	Construction of Surface Drains i/c C.C Block for Rural Drainage Scheme Dhani Bux Wassan District Sanghar	--	1.525 (M)	--	Provincial ADP	National Open Tender	--	--	--	--	The funds are available
2	Construction of Compound wall & Repair of Pump House & PVC Distribution System for Water Supply Scheme Matal Samejo District Sanghar	--	1.400 (M)	--	Provincial ADP	National Open Tender	--	--	--	--	The funds are available
	DISTRICT ADP										
3	Construction of Feeding Channel, Pump House, Compound wall Pumping Machinery & PVC Distribution System for Rural Water Supply Scheme Tamachi Wassan District Sanghar.	--	1.550 (M)	--	District ADP	National Open Tender	--	--	--	--	The funds are available


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	PROVINCIAL ADP										
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2	Construction of Compound wall & Repair of Pump House & PVC Distribution System for Water Supply Scheme Matal Samejo District Sanghar	--	1.400 (M)	--	Provincial ADP	National Open Tender	--	--	--	--	The funds are available
	DISTRICT ADP										
3	Construction of Feeding Channel, Pump House, Compound wall Pumping Machinery & PVC Distribution System for Rural Water Supply Scheme Tamachi Wassan District Sanghar.	--	1.550 (M)	--	District ADP	National Open Tender	--	--	--	--	The funds are available


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG. DIVISION
SANGHAR

SCHEDULE "B"**CONSTRUCTION OF SURFACE DRAIN TYPE-I & II I/C
C.C BLOCK FOR RURAL DRAINAGE SCHEME DHANI
BUX WASSAN DISTRICT SANGHAR.**

S.#	Description	Qty	Rate	Unit	Amount
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Part- I SURFACE DRAINS.

1. Excavation in foundation of building and other structure i/c dag belling dressing refilling around the structure with excavated earth watering and ramming lead upto one chain and lift upto 5' (In ordinary soil) (GSI No: 18(b)P/5).

3758.50 Cft. Rs.3176/25 P% 0 Cft. Rs.11938/-

2. Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing or stone aggregate without shuttering Ratio 1:4:8 (GSI No:5(i) P-18).

874.0 Cft. Rs:11288/75 P% Cft. Rs: 98664/-

3. Pucca brick work in foundation and plinth in cement sand mortar (1:6) (GSI No:4(e)P/24)

2212.50 Cft Rs: 11948/36 P% Cft Rs: 264357/-

4. Cement plaster (1:4) upto 20' height ½" thick.(GSI No:11(b)P/55).

4088.00 Sft Rs: 2283/93 P% Sft Rs: 93367/-

5. Construction of standard open drains concrete block of CC (1:2:4) in situ to design profile i/c cost of mould as per drawing i/c s/f cost of cement 1/32" thick to the exposed surface finishing smooth curing etc complete as detailed drawing (PHSI NO 17 P/44)

Type I

1300.0 Rft Rs: 94/- P/Rft Rs: 122200/-

Type II

100.00 Rft Rs: 174/- P/Rft Rs: 17400/-

6. RCC work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms mould lifting shuttering curing rendering and finishing the exposed surface (i/c screening and washing of shingle) a RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situ or precast laid in position complete the all respect (I) Ratio 1:2:4 90 lbs cement 2cft sand 4 cft shingle 1/8" to ¼" gauge.(GSI No: 6 (a) P-19).

301.59 Cft. Rs: 337/- P/Cft. Rs: 66109/-

7. Fabrication of mild steel reinforcement cement concrete i/c cutting bending laying in position and fastening i/c cost of binding wire etc.(GSI No:7(b)P-19)

12.11 Cwt. Rs: 5001/70 P/Cwt. Rs.60571/-

Total Rs. 770133/-

PART B) CC ROAD

1. Barrow pit excavation undressed lead upto 100' ft (GSI NO 3 P/1)
431.0Cft Rs: 2117/50 P%0 Cft Rs: 913/-
2. Earth work compaction laying earth in 6" layers leveling dressing and watering for compaction etc complete (GSI NO 13 P/4)
2435.00 Cft Rs: 354/- P% 0 Cft Rs: 862/-
3. Cement concrete brick or stone ballast 1 1/2" thick gauge (GSI No 4 P/15)
1285.68 Cft Rs: 9416/28 P% Cft Rs. 121063/-
4. Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing of stone aggregate with out shuttering (Ratio 1:2:4)(GSI No: 5 P/17)
974.0 Cft Rs: 14429/25 P% Cft Rs: 140541/-
5. Errection and removal of centring for RCC or plain.C.C work or Partal wood (GS.I.NO:19 (b) P/18)
185.25 Rs. 3127/41 P% Cft Rs. 5794/-
6. Carriage of earth (Mile)
431.0 Cft Rs. 502/52 P% Cft Rs. 2166/-
Rs. 271339/-

ABSTRACT

PART A) SURFACE DRAINS

Rs.770133/-

PART B) CC ROAD

Rs.271339/-

Total Rs.1041472/-

CONDITIONS.

1. Any error omission in the specification quantity and unit will be governed by the relevant schedule items.
2. The rates should be inclusive of all taxes i.e sales tax octori tax etc.
3. No separate carriage will be paid to the contractor
4. No premium will be allowed for no-schedule items.
5. The decision of the Superintending Engineer, Public Health Engineering Circle Mirpurkhas will be final and binding the parties if in any dispute.

CONTRACTOR

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
SANGHAR

SCHEDULE "B"

CONSTRUCTION OF COMPOUND WALL, REPAIR OF PUMP HOUSE & PVC DISTRIBUTION SYSTEM FOR WATER SUPPLY SCHEME METAL SAMEJO DISTRICT SANGHAR

PART- COMPOUND WALL

S.NO	ITEM	QTY	RATE	UNIT	AMOUNT
1.	Excavation in foundation of building and other structure i/c dag belling dressing refilling around the structure with excavated earth watering and ramming lead up to one chain and lift up to 5' (In ordinary soil) (GSI No: 18(b)P/5).				
	1440.0 Cft.	Rs.3176/25	P% 0 Cft.		Rs.4574/-
2.	Cement concrete brick or stone ballast ratio 1:4:8.. (GSI No 4 P/ 17)				
	360.00 Cft	Rs.9416/28	P% Cft		Rs. 33899/-
3.	Erration and removal of centering for RCC or plain cement concrete works of deodar wood (2 nd class) (GSI No 23 p/ 53)				
	2520.0 Sft	Rs: 3127/41	P% Sft		Rs: 78811/-
4.	Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing or stone aggregate without shuttering Ratio 1:3:6 (GSI No:5(i) P-18)				
	1260.00 Cft.	Rs: 12595/-	P% Cft.		Rs: 158697/
5.	RCC work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperatly. This rate also includes all kinds of forms mould lifting shuttering curring rendering and finishing the exposed surface (i/c screening and washing of shingle)a RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situ or precast liad in position complete the all respect (I) Ratio 1:2:4 90 lbs cement 2cft sand 4 cft shingle 1/8" to 1/4" guage.(GSI No: 6 (a) P-19).				
	35.50 Cft.	Rs: 337/-	P/Cft.		Rs: 11964/-
6.	Fabrication of mild steel reinforcement cement concrete i/c cutting bending laying in position and fastening i/c cost of binding wire etc.(GSI No:7(b)P-19)				
	1.42 Cwt.	Rs: 5001/70	P/Cwt.		Rs: 7102/-
7.	Pucca brick work in other than Building in cement sand mortar ratio 1:6) (GSI No:5 P/24)				
	483.96 Cft	Rs: 12346/65	P% Cft		Rs: 59753/-
8.	Cement plaster (1:6) upto 12' height 1/2" thick.(GSI No:13(b)P/53).				
	1503.28 Sft	Rs.2206/60	P% Sft		Rs.33171/-
9.	Cement plaster (1:4) upto 20' height 1/2" thick.(GSI No:13(b)P/53).				
	1503.28 Sft	Rs.2197/52	P% Sft		Rs.33035/-

10. Cement pointing struck joints on walls(1:3)(GSI NO:19(a)p/59
- | | | | |
|-------------|------------|--------|------------|
| 1376.00 Sft | RS.1213/50 | P% Sft | RS.16699/- |
|-------------|------------|--------|------------|
11. PAINTING NEW SURFACE.
Preparing surface and painting of door and window of any Type i/c edges three coats (GSI No:5 P/70).
- | | | | |
|-----------|------------|--------|-----------|
| 144.0 Sft | Rs:2116/41 | P% Sft | Rs:3048/- |
|-----------|------------|--------|-----------|
12. S/F steel grated door complete with locking arrangement angle iron frame 2"x2"x1 1/8" and 3/4:" sq bars 4" centre to centre . (G.S.I.NO:26 P/97)
- | | | | |
|----------|-----------|--------|------------|
| 72.0 Sft | Rs.726/72 | P/ Sft | Rs.52324/- |
|----------|-----------|--------|------------|
13. White washing one coats (GSI No:26,P/54).
- | | | | |
|-------------|-----------|--------|-----------|
| 1503.28 Sft | RS.416/63 | P% Sft | Rs.6263/- |
|-------------|-----------|--------|-----------|
14. Color washing two coats (GSI No:25,P/54)
- | | | | |
|-------------|-----------|--------|-------------------|
| 1503.28 Sft | Rs:859/90 | P% Sft | <u>Rs:12927/-</u> |
| | | | Rs. 512267/- |

PART-II REPAIR OF PUMP HOUSE

1. Dismantling cement concrete reinforcement separating reinforcement form concreting cleaning and straightening the same (GSI NO. 20 P/10)
- | | | | |
|------------|------------|--------|-----------|
| 100.48 Cft | Rs. 5445/- | P% Cft | Rs. 547/- |
|------------|------------|--------|-----------|
2. RCC work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperatly. This rate also includes all kinds of forms mould lifting shuttering curring rendering and finishing the exposed surface (i/c screening and washing of shingle)a RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situ or precast liad in position complete the all respect (I) Ratio 1:2:4 90 lbs cement 2cft sand 4 cft shingle 1/8" to 1/4" guage.(GSI No: 6 (a) P-19).
- | | | | |
|-------------|-----------|--------|-------------|
| 100.48 Cft. | Rs: 337/- | P/Cft. | Rs: 33862/- |
|-------------|-----------|--------|-------------|
3. Fabrication of mild steel reinforcement cement concrete i/c cutting bending laying in position and fastening i/c cost of binding wire etc.(GSI No:7(b)P-19)
- | | | | |
|-----------|-------------|--------|-------------|
| 4.01 Cwt. | Rs: 5001/70 | P/Cwt. | Rs: 20057/- |
| | | Total | Rs. 59390/- |

PART- III PVC PIPE

1. Excavation for pipe line and reservoirs in soft soil i/c trimming and dressing sides to alignment design section/profile and shape levelling of beds of trenches to correct level and grade i/c laying of earth in 6" layers of construction of tanks and crossing and disposal of surplus excavated earth with one chain as directed by Engineer incharge providing fence guards lights flages where-ever required lift upto 5'(1.52m) lead upto one chain (30.5m)(PHSI No:1 P/60).
- | | | | |
|--------------|-------------|---------|-------------|
| 22065.0 Cft. | @Rs. 3600/- | P%0 Cft | Rs. 79434/- |
|--------------|-------------|---------|-------------|

2.	Providing laying uPVC pressure pipes of Class B (equivalent made) fixing in Trenches i/c cutting fitting and jointing with "Z" joint with one rubber ring i/c Testing with water to a head of 61 meter or 200 ft (P.H.S.I.NO:1(E) P/22).			
	3" dia 3640.0 Rft	@Rs. 90/-	P/Rft	Rs.327600/-
3	Providing PVC /C.I Specials (S.O.M.I.NO:2 P/14).			
i)	Bend 90 3" dia = 10.0 Nos	@Rs. 650/-	Each	Rs. 6500/-
ii)	Tee 4"x3" dia = 04 Nos	@Rs.956/25	Each	Rs. 3825/-
iii)	P.V.C Sockets. 3" dia 1x14=14 NOs.	@Rs.405/-	Each	Rs.5670/-
iv)	C.I Tail Piece. 3" Dia 2x2=4 Nos.	@Rs.375/-	Each	Rs.1500/-
v).	C.I Jibault Joints. (S.O.M.I.NO:14 P/18). 3" Dia 1x2=2 Nos.	@Rs.568/75	Each	Rs.1138/-
	4" Dia 1x2=2 Nos.	@Rs.731/25	Each	Rs.1463/-
vi)	C.I Sluice valve. 3" Dia 1x2=2 No.	@Rs.4290/-	Each	Rs.8580/-
4.	Providing Chamber 3'x2 (915x615 mm) inside dimension 4 ½ (1372mm) deep as per approved design for sluice valve 3" to 12" dia with 18" (457mm) dia inside cast iron cover and frame fixed in RCC 1:2:4 (102 mm) thick brick masonry walls set in 1:6 cement mortar 6" (1115 mm) thick cement concrete 1:3:6 in foundation 1" (25 mm) thick cement concrete 1:2:4 flooring ½" (12.50mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing MS foot rest at every one foot beyond 2 ½ ft depth curing excavation back filling and disposal of surplus earth etc complete (PHSI NO 1 p/49)			
	2.0 Nos	@Rs: 18820/-	Each	Rs. 37640/-
5.	Jointing C.I/ MS flanged pipe and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts bolts with washer etc and other tools required for jointing and testing the joint to the specified pressure etc complete (PHSI No 1 P/35)			
	3" dia 2x2 = 4 Joints	@Rs. 499/-	P/Joint	Rs. 1996/-
6.	Making joint to PVC special fitting i/c laying of specials and cost of solvent cement of required diameter and testing the joints along with PVC pipeline "B" "C" and "D" class to the specified pressure and making good to all leaky joints etc complete. (P.H.S.I.NO:1 P/41).			
	3" Dia 1x14=14 Nos.	@Rs.59/-	P/Joint	Rs.826/-
7.	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete (PHS I No:24 p/53).			
	19859.0 Cft	@Rs: 2760/-	P%0 Cft	Rs. 54811/-
Total				Rs. 530983/-

ABSTRACT

PART-I	COMPOUND WALL	Rs.512267/-
PART-II	REPAIR OF PUMP HOUSE	Rs. 59390/-
PART-III	PVC DISTRIBUTION	<u>Rs. 530983/-</u>
Total		Rs. 1102640/-

CONDITIONS.

1. Any error omission in the specification quantity and unit will be governed by the relevant schedule items.
2. The rates should be inclusive of all taxes i.e sales tax octroi tax etc.
3. No separate carriage will be paid to the contractor
4. No premium will be allowed for no-schedule items.
5. The decision of the Superintending Engineer, Public Health Engineering Circle Mirpurkhas will be final and binding the parties if in any dispute.

CONTRACTOR

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
SANGHAR

SCHEDULE "B"

**CONSTRUCTION OF FEEDING CHANNEL FOR RURAL
WATER SUPPLY SCHEME TAMACHI WASSAN DISTRICT
SANGHAR**

S.#	Description	Qty	Rate	Unit	Amount
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PART- I Feeding Channel

- Excavation in foundation of building and other structure i/c dag belling dressing refilling around the structure with excavated earth watering and ramming lead up to one chain and lift up to 5' (In ordinary soil) (GSI No: 18(b)P/5).

900.00 Cft. Rs.3176/25 P% 0 Cft. Rs. 2859/-
- Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing or stone aggregate without shuttering Ratio 1:4: 8 (GSI No:5(i) P-18)

225.00 Rs:11288.75 P% Cft Rs. 25400/-

Ratio 1:2:4
56.25 Cft. Rs:14429.25 P% Cft. Rs: 8116/-
- Pucca brick work in foundation and plinth in cement sand mortar (1:6) (GSI No:4(e)P/24)

450.0 Cft Rs: 11948.36 P% Cft Rs: 53768/-
- Cement plaster (1:6) up to 20' height ½" thick.(GSI No:11(b)P/55).

750.0 Sft Rs: 2206/.60 P% Sft Rs:16550/-

Total Rs. 90143/-

PART-A WATER STORAGE TANK

- Excavation for tanks and reservoirs in soft soil i/c trimming and dressing sides to alignment design section/profile and shape levelling of beds of trenches to correct level and grade i/c laying of earth in 6" layers of construction of tanks and crossing and disposal of surplus excavated earth with one chain as directed by Engineer incharge providing fence guards lights flages where-ever required lift upto 5'(1.52m)lead upto one chain (30.5m)(PHSI No:1 P/67).
(0-5' Depth)

4713.43 Cft. Rs.3000/- P%0 Cft Rs. 14140/-
- Excavation for tanks and reservoirs in Wet Soil i/c trimming and dressing sides to alignment design section/profile and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers of construction of tanks and crossing and disposal of surplus excavated earth with one chain as directed by Engineer in charge providing fence guards lights flags where-ever required lift upto 5'(1.52m)lead upto one chain (30.5m)(PHSI No:14 P/74).
A) (0-5' depth)

2820.07 Cft. Rs.4800/- P%0cft Rs. 13536/-
- Excavation for tanks and reservoirs in slushy or daldaly soil i/c trimming and dressing sides to alignment design section/profile and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers of construction of tanks and crossing and disposal of surplus excavated earth with one chain as directed by Engineer in charge providing fence guards lights flags where-ever required lift upto 5'(1.52m)lead upto one chain (30.5m)(PHSI No:14 P/74).

1261.89 Cft. Rs.7200/- P%0cft Rs. 9086/-

4. Excavation for pipe line and reservoirs in soft soil i/c trimming and dressing sides to alignment design section/profile and shape levelling of beds of trenches to correct level and grade i/c laying of earth in 6" layers of construction of tanks and crossing and disposal of surplus excavated earth with one chain as directed by Engineer incharge providing fence guards lights flages where-ever required lift upto 5'(1.52m) lead upto one chain (30.5m)(PHSI No:1 P/60).
384.0 Cft. @Rs. 3600/- P%0 Cft Rs. 1382/-
5. Excavation for pipe line and reservoirs in Wet soil i/c trimming and dressing sides to alignment design section/profile and shape levelling of beds of trenches to correct level and grade i/c laying of earth in 6" layers of construction of tanks and crossing and disposal of surplus excavated earth with one chain as directed by Engineer incharge providing fence guards lights flages where-ever required lift upto 5'(1.52m) lead upto one chain (30.5m)(PHSI No:1 P/60). (5-8' depth)
256.00 Cft. @Rs. 5400/- P%0 Cft Rs. 1382/-
6. Excavation in foundation of building and other structure i/c dag belling dressing refilling around the structure with excavated earth watering and ramming lead upto one chain and lift upto 5' (In ordinary soil) (GSI No: 18(b)P/4).
379.25 Cft. @ Rs.3176/25 P% 0 Cft. Rs. 1205/-
7. Earth work compaction (soft ordinary soil or hard soil) laying earth in 6" layers leveling dressing and watering complete (GSI No.13(b) P-3)
6032.0 Cft @Rs. 354/- P%0 Cft Rs. 2135/-
8. Extra for every 50' additional lead or part of tank and reservoirs for earth work (soft ordinary hard or very hard soil) (GSI no.8 (a) P-2)
2763.39 Cft @Rs. 1007/80 P%0 Cft Rs. 2784/-
9. Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing or stone aggregate without shuttering Ratio 1:4:8 (GSI No:5 P-18) .
Ratio 1:4:8
1625.16 Cft. @ Rs: 11288/75 P% Cft. Rs: 183460/-
10. Cement concrete brick or stone ballast 1 1/2" to 2" guage (GSI No:4,(b)P/15).
Ratio 1:4:8.
28.35 Cft. @ Rs.9416/28 P% Cft. Rs.2670/-
11. Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing or stone aggregate without shuttering Ratio 1:4:8 (GSI No:5 P-16) .
Ratio 1:2:4
8.00 Cft @ Rs. 14429/25 P% Cft Rs. 1154/-
Ratio 1:3:6
559.25 Cft @ Rs. 12595/- P% Cft Rs. 75476/-
12. Brick lining 9"x4"-1/2"x 3" in (1:6) cement sand mortar (GSI NO.8 P/95)
767.94 Cft. @ Rs. 13163/40 P% Cft. Rs. 101087/-

Apron

	313.39 Cft.	@ Rs. 12519/07	P% Cft.	Rs. 39234/-
13.	Pacca brick work in foundation and plinth in cement sand mortar (1:6) (GSI No:4(e)P/20)			
	367.44 Cft.	@ Rs.11948/36	P% Cft.	Rs. 43903/-
14.	Bailing or pumping out sub soil water during excavation concreteing cost in situ concrete or masonry work in foundation etc (PHSI NO. 18 P/75)			
	797.46	@Rs 543/-	P% Cft	Rs. 4330/-
15.	RCC work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperatly. This rate also includes all kinds of forms mould lifting shuttering curring rendering and finishing the exposed surface (i/c screening and washing of shingle)a RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situ or precast liad in position complete the all respect (I) Ratio 1:2:4 90 lbs cement 2cft sand 4 cft shingle 1/8" to 1/4" guage.(GSI No: 6 (a) P-17).			
	180.34 Cft.	@ Rs: 337/-	P/Cft.	Rs: 60775/-
16.	Fabrication of mild steel reinforcement cement concrete i/c cutting bending laying in position and fastening i/c cost of binding wire etc.(GSI No:8(b)P-17)			
	7.24 Cwt.	@ Rs: 5001/70	P/Cwt.	Rs: 36212/-
17.	Cement plaster (1:6) upto 12' height 1/2" thick.(GSI No:13(b)P/52).			
	1498.22 Sft	@ Rs: 2206/60	P% Sft	Rs: 33060/-
18.	Cement plaster (1:4) upto 12' height 3/8" thick.(GSI No:11(a)P/52).			
	1498.22 Sft	@ Rs: 2197/52	P% Sft	Rs: 32924/-
19.	Providing laying jointing and testing ASTM pipe B Class cutting fitting and jointing with rubber ring i/c testing with water to a head of 183 meter or 600 ft (PHSI NO.2 P/17)			
	18" dia 1x32.0 Rft	@Rs.618/-	P/Rft	Rs. 19776/-
20.	C.I Sluice valve heavy pattern test pressure 300 lbs/sq inch) imported special C.I fitting (SMI No. 2 P/ 12).			
	18" Dia 1 Nos	@Rs. 110700/-	Each	Rs.110700/-
21.	Supplying CI Tail piece with one ans socket at the other end (SOMI NO.9 P/16) 18" dia			
	2 Nos	@Rs. 8287/50	Each	Rs. 16575/-
22.	Jointing C.I/M.S flanged pipe and specials flanged and inside a trench i/c Supplying rubber packing of the required thickness nuts bolts with washers Etc and other tools required for jointing and testing the joints to the specified Pressure etc complete.(p.h.s.i.no:1 p/40).			
	18" Dia 2.0 Joint	@Rs. 3456/-	P/Joint	Rs. 6912/-

23.	Providing fixing CI Main hole cover and frame i/c cost of material etc (PHSI No.1 P 35)			
	2.0 Cwt	@Rs. 6985/-	P/Cwt	Rs. 13970/-
24.	Refilling the excavated stuff in trenches in 6" thick layers i/c watering and Ramming to full compaction etc complete. (P.H.S.I.NO:24 P/53).			
	917.32 Cft	@Rs. 2760/-	P%0 Cft	Rs.2532/-
25.	Cement pointing struck joints on walls(1:3)(GSI NO:19(a)p/59			
	1938.42 Sft	@ Rs: 1213/58	P% Sft	<u>Rs: 22323/-</u>
			Total:-	Rs. 825014/-

PART- C CONSTT; OF RCC L.S.R

1.	RCC work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperatly. This rate also includes all kinds of forms mould lifting shuttering curring rendering and finishing the exposed surface (i/c screening and washing of shingle)a RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situ or precast liad in position complete the espect (I) Ratio 1:2:4 90 lbs cement 2cft sand 4 cft shingle 1/8" to 1/4" guage.(GSI No: 6 (a) P-19).			
	112.18 Cft.	Rs: 337/-	P/Cft.	Rs: 37805/-
2.	Fabrication of mild steel reinforcement cement concrete i/c cutting bending laying in position and fastening i/c cost of binding wire etc.(GSI No:7(b)P-19)			
	5.00 Cwt.	Rs: 5001/70	P/Cwt.	Rs: 25009/-
3.	Pucca brick work in ground floor in cement sand mortar (1:6) (GSI No. 5 P/21)			
	111.37	@Rs. 12674/36	P% Cft	Rs. 14115/-
4.	Cement plaster (1:6) upto 12' height 1/2" thick.(GSI No:13(b)P/52).			
	337.50 Sft	@ Rs: 2206/60	P% Sft	Rs: 7447/-
5.	Cement plaster (1:4) upto 12' height 3/8" thick.(GSI No:11(a)P/52).			
	337.50 Sft	@ Rs: 2197/52	P% Sft	Rs: 7417/-
6.	Providing fixing C.I Ventilator(weight not less) then 80 lbs/each) in tank roof of approved Design with light joint i/c painting etc complete (PHS No 4 p/-43).			
	1.0 No	Rs:4870/-		Rs:4870/-
7.	Providing and fixing C.I Man hole cover with frame i/c cost of material Etc complete. (P.H.S.I.NO:1 P/35)			
	1.00 Cwt	Rs.6985/-	P/Cwt	Rs.6985/-

8.	Providing G.I Pipe of approved to be tested with pressure lucc 200ft(S.S I No 1 p/5)			
	For bibl cock ¾" dia 2 x3.00			
	6.0 Rft	Rs:62/38	P/Rft	Rs:374/-
	For in let pipe 2" dia 1 x 16.00			
	16.00 Rft	Rs:187/58	P/Rft	Rs:3001/-
	Foe over flow 3" dia 1x18.00			
	18.00 Rft	Rs:304/02	p/Rft	Rs:5472/-
9.	Supplying & fixing in position C.P bib cock ¾" dia light pattern(sch:of rates w/s sanitary No 2 p/16)			
	2.00 Nos	Rs:348/92	Each	Rs:698/-
10.	Supplying Damp (SMI No 46 p/4) Use 16 LBS per bag of cement.			
	7.00 lbs	Rs: 125/-	P/lbs	Rs: 875/-
11.	G.I Bend(S.S.I No 7 P/7)			
	2" Dia 3.00 Nos	Rs: 240/-	Each	Rs: 720/-
12.	Providing & fixing handle valve (S.S I No 13 p/17)			
	2" Dia 1.00 Nos	Rs: 1382/92	Each	Rs: 1383/-
13	G.I Socket (SSI No 2 p/06)			
	2" Dia 2.00 Nos	Rs: 90/-	Each	<u>Rs: 180/-</u>
				Rs: 116351/-

PART- D PUMP HOUSE.

1.	Excavation in foundation of building and other structure i/c dag belling dressing refilling around the structure with excavated earth watering and ramming lead up to one chain and lift up to 5' (In ordinary soil) (GSI No: 18(b)P/5).			
	195.00 Cft.	Rs.3176/25	P% 0 Cft.	Rs.619/-
2.	Cement concrete brick or stone ballast ratio 1:4:8.. (GSI No 4 P/ 17)			
	75.78 Cft	Rs.9416.26	P% Cft	Rs. 7136/-
3.	Cement concrete plain i/c placing compacting finishing curing etc complete i/c screening and washing or stone aggregate without shuttering Ratio 1:3:6 (GSI No:5(i) P-18)			
	136.50 Cft	Rs:12595/-	P% Cft.	Rs: 17192/-
4.	Errection and removal of centring for RCC or plain cement concrete work of deodar wood (2 nd class) (GSI NO 23 P/53)			
	273.00 Sft	Rs. 3127/41	P% Sft	Rs. 8538/-

5. Pucca brick work in ground floor in cement sand mortar ratio 1:6) (GSI No:5 P/24)

250.33 Cft	Rs:12674/36	P% Cft	Rs: 31728/-
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6. RCC work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms mould lifting shuttering curring rendering and finishing the exposed surface (i/c screening and washing of shingle) a RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situ or precast laid in position complete the all respect (I) Ratio 1:2:4 90 lbs cement 2cft sand 4 cft shingle 1/8" to 3/4" gauge. (GSI No: 6 (a) P-19).

81.73 Cft.	Rs: 337/-	P/Cft.	Rs: 27543/-
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7. Fabrication of mild steel reinforcement cement concrete i/c cutting bending laying in position and fastening i/c cost of binding wire etc. (GSI No:7(b)P-19)

3.28 Cwt.	Rs: 5001/70	P/Cwt.	Rs: 16406/-
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8. P/L/ 3" thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels (GSI NO 16 P/47)

80.0 Sft	Rs. 3275/50	P% Sft	Rs 2620/-
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9. Cement plaster (1:6) upto 20' height 1/2" thick. (GSI No:13(b)P/52).

314.50 Sft.	@Rs.2206/60	P% Sft.	Rs.6940/-
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10. Cement plaster (1:4) up to 20" height 3/8" thick (G.SI No:11(a) P/52)

314.50 Sft.	@Rs.2197/52	P%Sft.	Rs. 6911/-
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11. Filling watering and ramming earth under floor with surplus from foundation lead upto one chain and lift upto 5 ft (GSI No. 21 P/14)

151.12 Cfr	Rs.1512/50	P% Cft	Rs.229/-
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12. Cement pointing struck joints on walls(1:3)(GSI NO:19(a)p/53)

376.00 Sft	Rs: 1213/58	P%sft	Rs: 4563/-
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12. Making and fixing steel grated door with 1/16" thick sheeting i/c angle iron frame 2"x2"x3/8"x3/4" sq bars 4" center to center with locking arrangement (GSI NO.24 P/92)

24.0 Sft	Rs. 726/72	P/Sft	Rs. 17805/-
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13. Fabrication of heavy steel work with angles tees flat iron round iron and sheet iron for making trusses graders tanks etc i/c cutting reverting handling assembling and fixing but excluding erection in position. (GSI NO.2 P/91)

2.54 Cwt	Rs. 4928/49	P/CWT	Rs. 12518/-
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14.	Errecting & fitting in position of rion trusses staging of water tank etc.			
	2.54 Cwt	Rs. 271/04	P/Cwt	Rs. 688/-
14.	Rough cost stucco cement plaster $\frac{3}{4}$ " thick in preparation of 1:1 $\frac{1}{2}$ " in cement Sand and bajri in pattern.(G.S.I.NO:32 P/60).			
	64.50 Sft	@Rs.2306/80	P/cwt	Rs. 1488/-
15.	S/F in position iron steel trill of $\frac{3}{4}$ " x1/4" size flate iron of approved design i/c painting 3 coats etc complete (weight not less them 3.7 Lbs /sq ft of finished) (GSI No. 26 P/93)			
	3x2.50x4.0 =30.0 Sft	Rs. 180/50	P/Sft	Rs. 5415/-
16.	<u>PAINTING NEW SURFACE.</u> Preparing surface and painting of door and window of anyType i/c edges three coats (GSI No:5 P/70).			
	109.00 Sft	Rs:2116/41	P% Sft	Rs:2307/-
17.	White washing one coats (GSI No:26,P/54).			
	498.18 Sft	Rs: 416/63	P% Sft	Rs:2076
18.	Color washing two coats (GSI No:25,P/54)			
	690.50 Sft	Rs:859.50	P% Sft	Rs: 5935/-
			Total	Rs. 178656/-

Part E PUMPING MACHINERY.

1	Providing and Fixing water pumping set with siemens motor & javed pump 3.BHP 1400 RPM sugle phase 440 volts 2x11/2 suction & delivery 150 ft Hrad i/c base plate qand also making C.C 1.3.6plate form of required size and fixing with nuts & bolts complete so all required.			
	01 Set	@ Rs. 2269/35/-	P. Set	Rs. 22691/-
2.	Providing & Fixing electric wiring for main switch with (3-7/0.85)(7/0.36) PVC insulated wire 660 volts grade in 25 mm 1" PVC conduct on surface as required (ESI No.8 P/03)			
	1x11 = 11.0	@Rs. 279/-	P/Rft	Rs. 3069/-
3	Providing and fixing earth site with 2x2x1/4 copper plete.			
	1x1 =01 set	@Rs.2600/-	P/Each	Rs.2600/-
4.	Wiring for light point with 3.029 pvc insulated wire (ESI NO. 23 P/15)			
	1x4 =04 Nos	@Rs.797/-	P/Each	Rs.3188/-
5.	Wiring for main with 2.70/085(7/0-36)PVC insulated wire (ESI NO. 6 P/14)			
	1x 80 =80.00	@Rs.60/97	P/each	Rs.4878/-
6.	Wiring for plug point with 3.029 PVC insulated. (ESI NO. 125 P/15)			
	1x1 =01 No	@Rs.669/-	P/Each	Rs.669/-
7.	Providing and fixing surface type 3pin 15 Amps s.p s (ESI NO. 17 P/11)			
	1x1 =01 No	@Rs.166/97	P/Each	Rs.167/-

8.	Providing and fixing ceiling fen 56. (ESI NO. 235 P/34)			
	1x1 =01 No	@Rs.3185/-	P/Each	Rs.3185/-
9.	Providing and fixing energy sewer 4.0 with			
	1x2 =02 No	@Rs.209/-	P/Each	Rs.418/-
10	Manufacturing Installing M.S flanged made out M.S sheet 3/8" thick cutting drilling holes etc complete (RAA)			
	34.0 No	@ Rs. 385/89	P. Each	Rs.13120/-
11	Manufacturing Installing M.S flanged made out M.S sheet 3/8" thick cutting drilling holes etc complete (RAA)			
	5x 2x =10 Nos	@Rs.500/89	P/Each	Rs.5009/-
	C.I foot valve heavy patten			
	1x 1x =1 No	@731/25	P/Each	Rs.731/-
12	C.I topper fate boltom on central topperend			
	0.20	@Rs.6096/-	P Cwt	Rs.1219/-
13	C.I Bend with flanged end with holes.			
	0.26	@Rs.6096/-	P Cwt	Rs.1585/-
14	Jointing C.I / M.S flanged pipes and specials flange and inside a trench i/c supplying rubber packing of the required thickness nuts bolts with was hers etc and other tools required for jointing and testing and testing the joint to the specified pressure etc complete (PHSI no. 1 P-33)			
	3" dia			
	1x14 = 14 Joint	@ Rs. 499/-	P Joint	Rs. 6986/-
				Total Rs.69515/-

PART-F PVC PIPE

1.	Excavation for pipe line and reservoirs in soft soil i/c trimming and dressing sides to alignment design section/profile and shape levelling of beds of trenches to correct level and grade i/c laying of earth in 6" layers of construction of tanks and crossing and disposal of surplus excavated earth with one chain as directed by Engineer incharge providing fence guards lights flages where-ever required lift upto 5'(1.52m) lead upto one chain (30.5m)(PHSI No:1 P/60).			
	3600.00 Cft.	@Rs. 3600/-	P%0 Cft	Rs. 12960/-
2.	Excavation for pipe line and reservoirs in Wet soil i/c trimming and dressing sides to alignment design section/profile and shape levelling of beds of trenches to correct level and grade i/c laying of earth in 6" layers of construction of tanks and crossing and disposal of surplus excavated earth with one chain as directed by Engineer incharge providing fence guards lights flages where-ever required lift upto 5'(1.52m) lead upto one chain (30.5m)(PHSI No:14 P/66).			
	2250.0 Cft.	@Rs. 5400/-	P%0 Cft	Rs. 12150/-
3.	Providing laying uPVC pressure pipes of Class B (equivalent made) fixing in Trenchesi/c cutting fitting and jointing with "Z" joint with one rubber ring i/c Testing with water to a head of 61 meteror 200 ft (PHS.I.NO:I(E) P/22).			
	3" dia 900.0 Rft	@Rs. 90/-	P/Rft	Rs. 81000/-

4	Providing PVC /C.I Specials (S.O.M.I.NO:2 P/14).			
i)	Bend 90 3" dia 2.0 Nos	@Rs. 731/--	Each	Rs.1462/-
ii)	Dead End Plug 3" dia 01 Nos	@Rs. 368/75	Each	Rs. 369/-
5.	Making joint to PVC special fitting i/c laying of specials and cost of solvent cement of required diameter and testing the joints along with PVC pipeline "B" "C" and "D" class to the specified pressure and making good to all leaky joints etc complete. (P.H.S.I.NO:1 P/41).			
	3" dia 3.0 Joints	@Rs. 59/-	P/Joint	Rs. 177/-
6.	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete(PHS I No:24 p/53).			
	5265.0 Cft	@Rs: 2760/-	P%0 Cft	Rs. 14531/-
			Total	Rs. 122649/-

PART- C COMPOUND WALL

1	Excavation in foundation of building and other structure i/c dag belling dressing refilling around the structure with excavated earth watering and ramming lead up to one chain and lift up to 5' (In ordinary soil) (GSI No.18, P/4)			
	1544.06 Cft:	Rs. 3176/25	P% Cft	Rs. 4904/-
2	Cement Concrete or Brick stone ballast 1 1/2" to 2" guage . Ratio 1:4:8. (G.S.I.No: 5,P/15).			
	308.81 Cft:	Rs. 9416/28	P% Cft	Rs. 29078/-
3	Erection & removing centering for RCC in plain cement concrete work. (GSI No: 19 P/18)			
	2835.0 Cft:	Rs. 3127/41	P% Cft	Rs. 88662/-
4	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering. Ratio 1:3:6. (G.S.I.No: 5,P/16).			
	1417.50 Cft:	Rs. 12595/-	P% Cft	Rs. 178534/-
5	Pacca brick work other then building in cement sand mortar Ratio (1:6) (GSI No: 4, P-25).			
	695.33 Cft:	Rs. 12346/65	P% Cft	Rs. 85850/-
6.	Reinforcement cement concrete work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms, moulds, lifting, shuttering curring, rendering and finishing the exposed and surface (i/c screening and washing of shingle.(a) RCC work in roofs,slabs,beams, columns, rafts, lintels and other structural members laid in site or precast laid in position complete in all respect. (G.S.I.No:6,P/17).			
	58.31 Cft	Rs.337/-	P/Cft	Rs.19650/-
7.	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending Laying in position making joints and fastening i/c cost of binding wire also removal of rust from bars(G.S.I.No:7(b)P/20).			
	2.34 Cwt.	Rs.5001/70	P/Cwt.	Rs.11704/-
8.	Supplying fixing steel grated door complete with locking arrangement angle iron frame 2"x1 1/8" and 3/4" sq center to center (GSI O. 24 P/92)			
	72.0 Sft	Rs. 726/72	P/Sft	Rs. 52324/-

9	Cement plaster (1:4) up to 12' ft: height ½" thick.(GSI No: 11 P-55.)			
	2641.75 Sft:	Rs. 2283/93	P% Sft	Rs. 60336/-
10	Cement Pointing struck joints on wall ratio (1:3) (GSI No: 19 P/59).			
	1620.00 Sft:	Rs.1213/58	P% Sft	Rs. 19660/-
11	Rough cost stucco cement plaster ¾" thick preparation 1:1:½" to 1: ½" thick cement hill sand and Bajri in patterns. (GSI No: 32 P/60)			
	1215.0 Sft:	Rs. 2306/10	P% Sft	Rs. 28019/-
12.	<u>Painting New Surface</u> Preparing Surface and painting of door and window of any type i/c edges three coats.			
	144.0 Sft	Rs. 2116/41	P% sft	Rs. 3048/-
13	White wash three coat (GSI No: 26 P/54)			
	2641.75 Sft:	Rs. 829/95	P% Sft	Rs. 21925/-
14.	Color wash two coats. (GSI No: 25 P/54)			
	2641.75Sft:	Rs. 859/90	P% Sft	Rs. 22716/-
			TOTAL :	Rs. 626410/-

ABSTRACT

PART-A	Feeding Channel	Rs. 90143/-
PART-B	Water Storage Tank	Rs. 825014/-
PART-C	RCC LSR	Rs. 116351/-
PART-D	Pump House	Rs. 178656/-
PART-E	Pumping Machinery	Rs. 69515/-
PART-F	PVC Pipe	Rs. 122649/-
PART-G	Compound wall	Rs. 626410/-
	Total	Rs. 2028738/-

CONDITIONS.

1. Any error omission in the specification quantity and unit will be governed by the relevant schedule items.
2. The rates should be inclusive of all taxes i.e. sales tax octroi tax etc.
3. No separate carriage will be paid to the contractor.
4. No premium will be allowed for non-schedule items.
5. The decision of the Superintending Engineer, Works & services Department Sanghar will be final and binding the parties in any dispute.

CONTRACTOR

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
SANGHAR