

**OFFICE OF THE EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING DIVISION-I  
KHAIRPUR**

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FAX NO. 0243-9280133

NO.GB/TC/KHP/ 440 of 2016  
KHAIRPUR DT: 11/02 /2016

**NOTICE INVITING TENDERS**

Sealed bids are invited on SPPRA Standard Bidding Documents (SBD) from the eligible bidders registered with Pakistan Engineering Council (PEC) in relevant category (CE09) having experience of similar nature of works for the below mentioned works as per Sindh Public Procurement Regulatory Authority (SPPRA) Rules-2010.

S.No.	Name of Work	Estimated Cost in Million	Earnest Money (2%) in Rupees	Bid/ Tender Fee in Rupees	Time Allowed for Completion
01	Rehabilitation of Water Supply Scheme Murad Gopang and Water Supply Scheme Kazko, Taluka Kot Diji District Khairpur i/c: one year Operation & Maintenance.	17.500	3,50,000/-	3,000/-	06 Months
02	Rehabilitation of Water Supply Scheme Kolab Jial, Taluka Kingri District Khairpur i/c: one year Operation & Maintenance.	27.700	5,54,000/-	3,000/-	06 Months

**CONDITIONS:**

1. Contract documents and other terms & conditions can be seen and blank tenders be obtained from the office of the undersigned on payment of Bid / Tender Fee (non-refundable) from the date of insertion of NIT on Net / Newspapers upto 1.00 PM of 03-03-2016 as shown against the work and submission of Call Deposit of any reputed Bank of Pakistan in the name of undersigned.
2. No conditional Bids / Tenders will be accepted.
3. The tenders will be received back on 04-03-2016 upto 1.00 PM and will be opened on same day at 2.00 PM in the presence of tender opening committee / procurement committee and bidders or their authorized representatives who wish to be present at that time.
4. If the undersigned happens to be out of head quarters or Government announces a public holiday on the date opening of Bids / Tenders, the same will be opened on next working date at 1.00 PM.
5. If the Bids / Tenders went unresponsive then the next date for issuing from 17-03-2016 to 18-03-2016 till 2.00 PM and will be received back on 18-03-2016 upto 2.00 PM and will be opened at 3.00 PM on same day.
6. The Procuring agency may reject any or all bids subject to the relevant provisions of Sindh Public Procurement Rules-2010.
7. Registration with Pakistan Engineering Council in relevant field of specialization of work and to the extent of tender amount of each work.
8. Blank bid will be issued to the approved government contractors having category (CE09) registration with PEC.
9. The Bidders must be registered with Sindh Revenue Board and holding NTN & CNIC.
10. Undertaking on Affidavit that the firm is not involved in any litigation or black listed previously by any executing agency or has not abandoned work in the department as well as all documents / particulars information(s) furnished are true and correct.
11. In case of Firm, furnish list of partners / partnership deed, giving full particulars of Directors / Proprietors or others connected along with Power of Attorney. In case of being sole proprietor, such undertaking on affidavit be furnished.
12. The Tenders / Bids will not be issued to those persons who have not produced NTN Certificate, Sindh Revenue Board Certificate & PEC Certificate with relevant code.

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION-I KHAIRPUR

**Continued on P/2**

Copy forwarded with compliments for favour of information to :-

1. The Chief Engineer Public Health Engineering Department Government of Sindh Sukkur.
2. The Director Information (Advertisement), Block-96 Sindh Secretariat Karachi for publication in at least three languages leading Newspapers (Sindhi, Urdu & English).
3. The Director (A&F) Sindh Public Procurement Regulatory Authority Government of Sindh Karachi along with C.D of this N.I.T for hoisting on Government Website.
4. The Superintending Engineer Public Health Engineering Circle Sukkur.
5. The Deputy Commissioner Khairpur.

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION-I KHAIRPUR

# **SPPRA BIDDING DOCUMENT**



**STANDARD FORM OF BIDDING DOCUMENT  
FOR  
PROCUREMENT OF WORKS  
(For Contracts (Small) amounting between Rs. 4.00 million  
to Rs. 50.00 million).**

**OFFICE OF THE EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING DIVISION-I  
KHAIRPUR.**

## BIDDING DATA

(This section should be filled in by the Executive Engineer Public Health Engineering Division-I Khairpur before issuance of the Bidding Documents).

(a). Name of Procuring Agency: Executive Engineer Public Health Engg: Division-I Khairpur

(b). Brief Description of Works:- REHABILITATION OF WATER SUPPLY SCHEME MURAD GOPAND & WATER SUPPLY SCHEME KAZKO , TALUKA KOT DIJI DISTRICT KHAIRPUR I/C: ONE YEAR OPERATION & MAINTENANCE.

(c).Procuring Agency's address:- Public Health Engg: Division-I Khairpur

(d). Estimated Cost:- 17.500 (M)

(e). Amount of Bid Security:- 0.350 (M)

(f).Period of Bid Validity (days):- 60 Days.

(g).Security Deposit :-( including bid security):- 10% 1.750 (M)

(h). Percentage, if any, to be deducted from bills:- 8% 1.400 (M)

(i). Deadline for Submission of Bids along with time:-

(j). Venue, Time, and Date of Bid Opening:-

(k). Time for Completion from written order of commence: - 06 Months.

(l).Liquidity damages:-

(m). Deposit Receipt No:                      Date:                      Amount Rs:

**OFFICE OF THE EXECUTIVE ENGINEER**  
**PUBLIC HEALTH ENGINEERING DIVISION-I KHAIRPUR**

Name of Work: **REHABILITATION OF WATER SUPPLY SCHEME MURAD GOPANG  
AND WATER SUPPLY SCHEME KAZKO, TALUKA KOT DIJI  
DISTRICT KHAIRPUR I/C: ONE YEAR OPERATION &  
MAINTENANCE.**

Name of Firm / Contractor

To whom tender issued: \_\_\_\_\_

Tender fee received vide D.R No: \_\_\_\_\_ dated: \_\_\_\_\_

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION-I KHAIRPUR**

**MEMORANDUM**

- |   |                   |
|---|-------------------|
| 1) General Description :                              | As above          |
| 2) Estimated Cost :                                   | Rs: 1,75,00,000/- |
| 3) Earnest Money @ (2%)                               | Rs: 3,50,000/-    |
| 4) Percentage if any to be deducted from bill 8%      | Rs: 14,00,000/-   |
| 5) Security Deposit @ 10%<br>Including Earnest Money. | Rs: 17,50,000/-   |
| 6) Time of Completion.                                | (06) Months       |

We hereby tender for the execution of the above work for the Government of Sindh at \_\_\_\_\_ percent above/below the schedule rates at entered in the schedule "B" in tender. Rates specified in schedule "B" to be carried out in accordance with specification, design, drawing and instruction of Engineer In charge etc. I shall execute the agreement on proper printed form in case the tender is accepted.

Earnest money in the shape of Call deposit vide No. \_\_\_\_\_  
dated: \_\_\_\_\_ for Rs. \_\_\_\_\_ of \_\_\_\_\_ Bank Limited.

**FIRM / CONTRACTOR**

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION-I KHAIRPUR**

## BIDDING DATA

(This section should be filled in by the Executive Engineer Public Health Engineering Division-I Khairpur before issuance of the Bidding Documents).

(a). Name of Procuring Agency: Executive Engineer Public Health Engg: Division-I Khairpur

(b). Brief Description of Works:- REHABILITATION OF WATER SUPPLY SCHEME KOLAB JIAL, TALUKA KINGRI DISTRICT KHAIRPUR I/C: ONE YEAR OPERATION & MAINTENANCE.

(c). Procuring Agency's address:- Public Health Engg: Division-I Khairpur

(d). Estimated Cost:- 27.700 (M)

(e). Amount of Bid Security:- 0.554 (M)

(f). Period of Bid Validity (days):- 60 Days.

(g). Security Deposit :-( including bid security):- 10% 2.770 (M)

(h). Percentage, if any, to be deducted from bills:- 8% 2.216 (M)

(i). Deadline for Submission of Bids along with time:-

(j). Venue, Time, and Date of Bid Opening:-

(k). Time for Completion from written order of commence: - 06 Months.

(l). Liquidity damages:-

(m). Deposit Receipt No:                      Date:                      Amount Rs:

**OFFICE OF THE EXECUTIVE ENGINEER**  
**PUBLIC HEALTH ENGINEERING DIVISION-I KHAIRPUR**

Name of Work: **REHABILITATION OF WATER SUPPLY SCHEME KOLAB JIAL,**  
**TALUKA KINGRI DISTRICT KHAIRPUR I/C: ONE YEAR OPERATION**  
**& MAINTENANCE.**

Name of Firm / Contractor

To whom tender issued: \_\_\_\_\_

Tender fee received vide D.R No: \_\_\_\_\_ dated: \_\_\_\_\_

**EXECUTIVE ENGINEER**  
**PUBLIC HEALTH ENGINEERING**  
**DIVISION-I KHAIRPUR**

**MEMORANDUM**

- |  |                   |
|--|-------------------|
| 1) General Description :                         | As above          |
| 2) Estimated Cost :                              | Rs: 2,77,00,000/- |
| 3) Earnest Money @ (2%)                          | Rs: 5,54,000/-    |
| 4) Percentage if any to be deducted from bill 8% | Rs: 22,16,000/-   |
| 5) Security Deposit @ 10%                        | Rs: 27,70,000/-   |
| Including Earnest Money.                         |                   |
| 6) Time of Completion.                           | (06) Months       |

We hereby tender for the execution of the above work for the Government of Sindh at \_\_\_\_\_ percent above/below the schedule rates at entered in the schedule "B" in tender. Rates specified in schedule "B" to be carried out in accordance with specification, design, drawing and instruction of Engineer In charge etc. I shall execute the agreement on proper printed form in case the tender is accepted.

Earnest money in the shape of Call deposit vide No. \_\_\_\_\_  
dated: \_\_\_\_\_ for Rs. \_\_\_\_\_ of \_\_\_\_\_ Bank Limited.

**FIRM / CONTRACTOR**

**EXECUTIVE ENGINEER**  
**PUBLIC HEALTH ENGINEERING**  
**DIVISION-I KHAIRPUR**

## SCHEDULE "B"

**NAME OF WORK:** REHABILITATION FOR (M&R) WATER SUPPLY SCHEME  
MURAD GOPANG, TALUKA KOTDIJI, DISTRICT KHAIRPUR

S No.	Qty:	Item of Work	Rate	Unit	Amount
<b><u>PART - I TUBE WELL</u></b>					
1		Boring for tube well in all water bearing soil from ground level upto 100" ft or 30.50 meter depth i/c sinking and with drawing of casing pipe 12 dia boring (PHSI No; 1 (B-a) P-41) 3" dia			
	Qty: 80 rft		@Rs: 160.00	Prft	Rs: 12800 /-
2		Boring for altube well in all water bearing soil from ground level upto 100" ft or 30.50 meter depth i/c sinking and with drawing of casing pipe 12 dia boring (PHSI No; 1 P-36) 12" Dia			
	Qty: 70 rft		@Rs: 743.00	P.rft	Rs: 52010 /-
3		Supplying and installing PVC strainer "B" class of approved design quality and make necessary sockets etc complete for 8" dia PVC strainer. (PHSI No: 9 (E) P-43)			
	Qty: 45 rft		@Rs: 554.05	P.rft	Rs: 24932 /-
4		Supplying and installing PVC blind pipe "B" class of approved design quality and make necessary sockets etc complete for 8" dia PVC strainer. (PHSI No: 12 (E) P-44)			
	Qty: 26 rft		@Rs: 516.80	P.rft	Rs: 13437 /-
5		Surroundings with grated Bajri size 3/8" to 1/8" or (9 to 3" mm) in between bore and blind pipe for the following dia meter of strainer (PHSI No: 13 P-34)			
	Qty: 70 rft		@Rs: 105.00	P.rft	Rs: 7350 /-
6		Supplying PVC end plug 8" dia (SRMI PHE No. 20 (vi) P 28)			
	Qty: 1 No.		@Rs: 1000	Each	Rs: 1000 /-



- 7 Taking samples of water from bore hole and placing into two seprate botles (PHSI No.7 P-43)

Qty: 4 No. @Rs: 131 Each Rs: 524 /-

- 8 Taking and preserving box 2.1 lbs (1kg) samples at start from bore (PHSI No.6 P-43)

Qty: 4 No @Rs: 101.00 Each Rs: 404 /-

- 9 Providing strong substantially built wooden locked box with compartments for presurving 2 lbs (1kg) sample of strata (PHSI No. 5 P-43)

Qty: 1 No @Rs: 3530.00 Each Rs: 3530 /-

- 10 Development charges of Tube wells (PHSI No.8 P-43)

Qty: 70 No. @Rs: 200 Each Rs: 14000 /-

**Total Rs: 129987 /-**

## **PART - II PUMP HOUSE 8x8**

- 1 Excavation in foundation of building bridges 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' ft (in ordinary soil) (CSI No: 18 P.No: 04)

Qty: 147.50 cft @Rs: 3176.25 P.%o cft Rs: 468 /-

- 2 Cement concrete brick or stone ballast 1 ½" to 2" guage Ratio 1:4:8 (CSI No: 4 P-No: 16)

Qty: 59.16 cft @Rs: 9416.28 P.% cft Rs: 5,571 /-

- 3 Random Rubbal masonary (un coursed) in foundation and plinth in cement sand mortor ratio (1:6) (CSI No.1 (d) P-32)

Qty: 78.75 cft @Rs: 17723.00 P.%cft Rs: 13,957 /-

- 4 Coursed Rubbal masonary i/c hammer dressing in cement sand mortor ratio (1:6) (CSI No.2 (d) P-32)

Qty: 164.06 cft @Rs: 25321.00 P.% cft Rs: 41,542 /-

5	D.P.C (cement sand & shingle (1:2:4) i/c two coats of miap phlat mixture (CSI No 20(d) P-48)				
	Qty: 43.75 sft	@Rs: 4982.18	P.% sft	Rs:	2,180 /-
6	Pointing flash on stone in cement motor 1;3 (CSI No: 20 P-59)				
	Qty: 150.00 sft	@Rs: 1758.08	P.%sft	Rs:	2,637 /-
7	Pacca brick work in foundation plinth in cement sand mortar (1:6)(CSI.No: 4 P.No: 20)				
	Qty: 17.40	@Rs: 11948.36	P.%rft	Rs:	2,079 /-
8	Pacca Brick work in ground floor including striking of joints cement sand motor motor 1:6 (CSI No: 5 P-No: 24)				
	Qty: 218.63 cft	@Rs: 12674.36	P.% cft	Rs:	27,710 /-
9	RCC work in roof slabs, beams, columns, rafts, lintels and other structure members laid in situ or precast laid in position making complete in all respect Ratio: 1:2:4 90 Lbs of cement Cft. of sand 4 Cft. of shingle ½ to ¾ gauge (CSI No: 6 P-No: 17)				
	Qty: 70.51 cft	@Rs: 337	P.cft	Rs:	23,762 /-
10	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 and also i/c cost of steel bars (Also include removal of rust from bars (CSI No: 7 P-No: 19)				
	Qty: 2.83 cwt	@Rs: 5001.70	P.cwt	Rs:	14,155 /-
11	Filling watering and ramming earth in floors with surplus earth from foundation and lead upto one chain and lift upto 5' ft (CSI No: 21 P-No: 5)				
	Qty: 203.75 cft	@Rs: 1512.50	P%ocft	Rs:	308 /-
12	Providing and laying 1" thick CC topping surface finishing and dividing to panels (SCI No: P- ) <b>2" THICK</b>				
	Qty: 58.22 cft	@Rs: 4411.82	P%cft	Rs:	2,569 /-

13	Fabrication of heavy steel work with angle tees plate iron round iron sheet iron for making girder tanks etc i/c cutting drilling revilling reviling handling assembling and fixing but excluding erection in position (CSI No.2 P-91)	Qty: 4.40 cwt @Rs: 4928.49 P.cwt Rs: 21,685 /=
14	Providing fixing Girder cross (SMI No.140 P-06)	Qty: 2.03 cwt @Rs: 3850.00 P.cwt Rs: 7,816 /=
15	Erection & fitting in position of iron trusses fixing in position (C.S.I.No:6 P.No: 91)	Qty: 4.40 cwt @Rs: 271.04 P.cwt Rs: 1,193 /=
16	Supplying & fixing in position iron / steel grill using solid square bars of size 3/4" x 1/4" size etc complete. (C.S.I.No: 20P.No: 93 )	Qty: 24.00 sft @Rs: 180.50 P.sft Rs: 4,332 /=
17	Cement Aster for plaster (1:6) upto 12 height 3/8 thick (CSI No: 11(a) P-59)	Qty: 268.00 sft @Rs: 2206.6 P.%sft Rs: 5,914 /-
18	Cement plaster (1;4) upto 12 ft height (3/8 thick) (CSI No: 11 P-58)	Qty: 289.96 sft @Rs: 2197.52 P.%sft Rs: 6,372 /-
19	Cement Pointing struck joints on walls (CSI No: 19 P-No: 58)	Qty: 328.00 sft @Rs: 1213.58 P.%sft Rs: 3,981 /-
20	White washing one coats (CSI No: 26 P-60)	Qty: 268.00 sft @Rs: 416.63 P.%sft Rs: 1,117 /-
21	White washing three coats (CSI No: 25 P-59)	Qty: 130.00 sft @Rs: 829.95 P.%sft Rs: 1,079 /-
23	Colour washing to coads (CSI No: 25(a) P-60)	Qty: 596.00 sft @Rs: 859.9 P.%sft Rs: 5,125 /-

24. Painting surface preparing of doors and windows  
any type i/c edge (CSI No: 5 P-No: 76) Three coats

Qty: 104.00 sft @Rs: 2116.41 P.%sft Rs: 2,201 /-

**Total Rs: 197,752 /-**

**PART - III RISING MAIN 6" dia**

- 1 Dismanteling and removing Road mentling (SI No.51 P-13)

Qty: 1000.00 cft @Rs: 605.00 P%cft Rs: 6,050 /-

- 2 Excavation for pipe lines trenches and pits soft soil i/c trimming and dressing to true alignment and shape leveling of beds of trenches to level and grade cutting and disposal of surplus earth with in one chain as directed by engineer Incharge, providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift up to 5' ft and lead up one chain (PHSI No.1 P-60)

Qty: 75000 cft @Rs: 3600.00 P.%ocft Rs: 270,000 /-

- 3 Excavation for pipe lines trenches and pits wet soil i/c trimming and dressing to true alignment and shape leveling of beds of trenches to level and grade cutting and disposal of surplus earth with in one chain as directed by engineer Incharge, providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift up to 5' ft and lead up one chain (PHSI No.14 P-66)

Qty: 31000 cft @Rs: 5400.00 P.%ocft Rs: 167,400 /-

- 4 Providing layiing and fixing in trenches tranch i/c fitting jointing & testing etc complete in all respect the high density polythylene PE pipes (HDPE 100) for water supply conformaing ISO 4427/DIN 8074/8075 BS 3580 and PSI 3051 (PHSI No.1 P-25)  
6" Dia 160 mm

Qty: 15500 Rft @Rs: 440 P.Rft Rs: 6,820,000 /-

- 5 Supplying G.I pipe (medium)  
6" DIA

Qty: 60 Rft @Rs: 695.04 P.Rft Rs: 41,702 /-

- 6 Cast iron specials for UPVC / AC Presure pipes (standerad for ACIL "B" class (SMI PHSI 1 P-13)  
M/S Flange made out of MS Sheet

Qty: 6 Nos. @Rs: 804.77 Each Rs: 4,829 /-

PE Elbow 6" dia 90* outer id 160 mm (PHSMI No. B P-13)			
Qty:	3 Nos.	@Rs: 3480.00 Each	Rs: 10,440 /-
PE Elbow 6" dia 45* outer id 160 mm (PHSMI No. B P-13)			
Qty:	1 No	@Rs: 2784.00 Each	Rs: 2,784 /-
PE Butt Joint (PHSMI No. H P-20)			
Qty:	8 Nos.	@Rs: 1000.00 Each	Rs: 8,000 /-
Air valve double acting 3x1 (PHSM I No. 8 P-12)			
Qty:	3 Nos.	@Rs: 4000.00 Each	Rs: 12,000 /-
Flange Adopter 6" dia			
Qty:	6 Nos.	@Rs: 2025.00 Each	Rs: 12,150 /-
7 Jointing CI/MS flanged pipe to special flange and inside threaded i/c supplying rubber packing the required thickness nuts and bolts with wisher wand other required for jointing and testing the joint of the specified pressure etc complete (PHSI No.1 P-40)			
<b><u>6" Dia Joints</u></b>			
Qty:	8 joint	@Rs: 938 P.Joint	Rs: 7,504 /-
<b><u>3" Dia AV</u></b>			
Qty:	3 joint	@Rs: 499 P.Joint	Rs: 1,497 /-
8 Providing chamber 2 ½'x2 ½' (750x750mm) inside dimension 4 ½' (1372 mm) deep as per approval design for sluice valve 3" to dia 18" (475 mm) dia inside cost iron cover and fram (wt= 1 cwt , 3 qr) fixed in RCC 1:2:4 (102 mm) thick with 5 lbs walls set in 1:6 cement sand mortar 6" thick (152mm) thick cement concrete 1:3:6 in foundation 1" (25mm) thick cement concrete 1:2:4 flooring ½ (12.50mm) thick cement plaster 1:3 total inside wall surface end to top i/c providing and fixing M.S foot rest at every one foot beyond 2 ½ ft deth curing excavation back filling and disposal of surplus earth etc complete (PHSI No.1 P-49)			
Qty:	3 No.	@Rs: 18820 Each	Rs: 56,460 /-
9 Refilling the excavated stuff in trenches in 6" thick layers i/c watering ramming or full etc complete (PHSI No.1 P-60)			
Qty:	95400 cft	@Rs: 2760.00 P.%ocft	Rs: 263,304 /-
<b>Total</b>			<b>Rs: 7,684,121 /-</b>

### **NON SCHEDULE ITEMS**

1 PE Tee 160x 160x 90 mm

Qty: 3 Nos. @Rs: 3250 Each Rs: 9,750 /-

**Total Rs: 9,750 /-**

### **PART - IV DISTRIBUTION SYSTEM PE PIPE 4" & 3" DIA** **Repair of old Distribution Line & Additional Line**

1 Dismanteling and removing Road mentling (CSI No.51 P-13)

Qty: 1000.00 cft @Rs: 605.00 P%cft Rs: 6,050 /-

2 Excavation for pipe lines trenches and pits soft soil i/c trimming and dressing to true alignment and shape leveling of beds of trenches to level and grade cutting and disposal of surplus earth with in one chain as directed by engineer Incharge, providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift up to 5' ft and lead up one chain (PHSI No: 1 P.No: 60 )

Qty: 6000.00 cft @Rs: 3600.00 P.%ocft Rs: 21,600 /-

3 Excavation for pipe lines trenches and pits wet soil i/c trimming and dressing to true alignment and shape leveling of beds of trenches to level and grade cutting and disposal of surplus earth with in one chain as directed by engineer Incharge, providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift up to 5' ft and lead up one chain (PHSI No: 14 P.No: 66 )

Qty: 3000.00 cft @Rs: 5400.00 P.%ocft Rs: 16,200 /-

4 Providing layiing and fixing in trenches tranch UPVC pipe B class i/c fitting jointing & testing etc complete in all respect the 8074/8075 BS 3580 and PSI 3051 (PHSI No.1 P-25)

3" Dia 90 mm

Qty: 1500 Rft @Rs: 90.00 P.Rft Rs: 135,000 /-

5 C.I.Tee 3"x3"x3" 90 mm

Qty: 2 Nos. @Rs: 968.75 Each Rs: 1,938 /-

CI Bend 90\* 3" dia 90 mm

Qty: 1 No @Rs: 650.00 Each Rs: 650 /-

• CI Bend 45\* 3" dia 90 mm

Qty: 2 Nos. @Rs: 568.75 Each Rs: 1,138 /-

- 6 Cast iron specials for UPVC / AC Pressure pipes (standard for ACIL "B" class (SMI PHSI 1 P-19) for Repair  
C.I.Gibault joint 3" dia

Qty: 4 Nos. @Rs: 731.25 Each Rs: 2,925 /-

- 7 Making joints CI specials fitting i/c laying of the required along with the asbestos cement pressure pipe line to the specified pressure and making good to all leaky joints etc complete (PHSI No: 1 P. No: 80)  
3" Dia

Qty: 4 Joint @Rs: 62.00 P.Joint Rs: 248 /-

- 8 Refilling the excavated stuff in trenches in 6" thick layers i/c watering ramming or full etc complete (PHSI No: 24 P.No: 77)

Qty: 8100 cft @Rs: 2760.00 P.%ocft Rs: 22,356 /-

Total = Rs: 208,105 /-

## PART-V

### 1 PUMPING MACHINERY NON - SCHEDULE ITEMS

GOLDEN - SAER Submersible pump NR-151 C/20 type 6" (2 1/2") with 15 Hp 3 Phase Electric Motor origin: SAER, Italy for Discharge 120 GPM @ 180 feet head with local made accessories for 40 feet setting as under: Electric Drop cable 20mm<sup>2</sup> -3 core x70 feet water proof joint G.I. Pipe 2 1/2 IIL-M Grade x 400 feet G.I Bend 2 1/2x1 G.I. Delivery pipe 2 1/2" IIL-M Grade x 5 feet MS foundation plate with T-Bolts M.S Holding clamp 2 1/2"x1 sockets 2 1/2" x 40 MS Bore Cover plate x1 wire rope with clamps x 850 feet i/c providing & fixing automatic MCU (Motor control Unit) consists oil starter (MEECO Pakistan) MCCB Breaker 10-A to 50-A (Shihlin Taiwan) cutout 60-A (China) Amp meter (60-A) (SELCO) china volt meter (500-V) (SELCO China) Phase indication light (China) include Transformer oil (2-liter) panel board 18"x26" and internal wiring ETC complete, and providing fixing earthing arrangement and testing of the pumping set against 72 Hours.

1 sets @Rs: 571000 P-set Rs: 571,000 /-

### 2 Flange Adopter

Qty: 6 No. @Rs: 675.00 Each Rs: 4,050 /-

Total = Rs: 575,050 /-

**INTER CONNECTION****SCHEDULE ITEMS**

- 1 Providing laying and fixing in trenches trench i/c fitting jointing & testing etc complete in all respect the high density polythylene PE pipes (HDPE 100) for water supply conformaing ISO 4427/DIN 8074/8075 BS 3580 and PSI 3051 (PHSI No.1 P-25)  
3" Dia 110 mm

Qty: 20.00 rft @Rs: 178 P-Rft Rs: 3,560 /-

- 2 Providing and installing MS flange made out of MS sheet.  
3/8" thick i/c cutting drilling holes etc complete (based on schedule item)

Qty: 6.00 Nos @Rs: 500.89 Each Rs: 3,005 /-

- 3 Supplying reflex valve heavy pattern test pressure  
21.0 kg or CM or 300 lbs sq: inch (SMI No. 6 (b) P-11)

3" Dia

Qty: 1 No. @Rs: 1543.75 Each Rs: 1,544 /-

- 5 C.I Bend of flanged end with holes i/c trenches and facing  
of flanged for all size (PHSMI No.8 P-12)

3" Dia

Qty: 0.26 cwt @Rs: 6096.00 P-cwt Rs: 1,585 /-

- 4 Supplying CI sluice valve heavy pattern test pressure  
21.0 kg or CM or 300 lbs sq: inch (SMI No. 2 (b) P-11).

3" Dia

Qty: 1 No. @Rs: 4290.00 Each Rs: 4,290 /-

- 4 Butt fusion joint (PHSI No.1 P-18)

Qty: 6 No. @Rs: 600.00 Each Rs: 3,600 /-

- 8 Jointing CI/MS flanged pipe to special flanged and inside threaded  
i/c supplying rubber packing the required thickness nuts and bolts  
with wisher and other required for jointing and testing the joint to  
the specified pressure etc complete. (PHSI No. 1 (b) P-40)

3" Dia

Qty: 5 Joints @Rs: 499.00 P-joint Rs: 2,495 /-

Total Rs: 20,079 /-



## GENERAL ABSTRACT

S.No.	Name of Work	Schedule Item	Non Schedule Item	G. Total
PART - I	TUBE WELL	Rs: 129,987	Rs: ---	Rs: 129,987
PART - II	PUMP HOUSE 8x8	Rs: 197,752	Rs: ---	Rs: 197,752
PART - III	RISING MAIN 6" DIA	Rs: 7,684,121	Rs: 9,750	Rs: 7,693,871
PART - IV	DISTRIBUTION SYSTEM	Rs: 208,105	Rs: ---	Rs: 208,105
PART - V	PUMPING MACHINERY	Rs: 20,079	Rs: 575,050	Rs: 595,129
Total		Rs 8,240,044	Rs: 584800	Rs: 8,824,844

- 1 Any error commission in the description of itme of work rates original schedule B correct accordingly in the instruciton of the Executive Engineer PHE Division-I Khairpur
- 2 No Premium will be allowed on Non Schedule item.
- 3 The Work will be carred out as per PWD / PHE specificaition approval rates working

**CONTRACTOR**

**EXECUTIVE ENGINEER**  
PUBLIC HEALTH ENGINEERING DIVISION-I  
KHAIRPUR

## SCHEDULE "B"

**NAME OF WORK:** REHABILITATION OF WATER SUPPLY SCHEME KAZKO,  
TALUKA KOTDIJI, DISTRICT KHAIRPUR

S No.	Qty:	Item of Work	Rate	Unit	Amount
<b><u>PART - I TUBE WELL 12" DIA</u></b>					
1		Boring for tube well in all water bearing soil from ground level upto 100" ft or 30.50 meter depth i/c sinking and with drawing of casing pipe 12 dia boring (PHSI No: 1 (B-a) P-41) 18" dia			
	Qty: 84 rft		@Rs: 1016.00	Prft	Rs: 85344 /-
2		Supplying and installing PVC strainer "B" class of approved design quality and make necessary sockets etc complete for 12" dia PVC strainer. (PHSI No: 9 (E) P-43)			
	Qty: 52 rft		@Rs: 1439.75	P.rft	Rs: 74867 /-
4		Supplying and installing PVC blind pipe "B" class of approved design quality and make necessary sockets etc complete for 12" dia PVC strainer. (PHSI No: 12 (E) P-44)			
	Qty: 34 rft		@Rs: 1329.40	P.rft	Rs: 45200 /-
5		Surroundings with grated Bajri size 3/8" to 1/8" or (9 to 3" mm) in between bore and blind pipe for the following dia meter of strainer (PHSI No: 13 P-34)			
	Qty: 84 rft		@Rs: 193.00	P.rft	Rs: 16212 /-
6		Supplying PVC end plug 12" dia (SRMI PHE No. 20 (vi) P 28)			
	Qty: 2 Nos.		@Rs: 2295.00	Each	Rs: 4590 /-
7		Taking samples of water from bore hole and placing into two seprate botles (PHSI No.7 P-43)			
	Qty: 10 Nos.		@Rs: 131.00	Each	Rs: 1310 /-
8		Taking and preserving box 2.1 lbs (1kg) samples at start from bore (PHSI No.6 P-43)			
	Qty: 10 Nos.		@Rs: 101.00	Each	Rs: 1010 /-

- 9 Providing strong substantially built wooden locked box with compartments for presurving 2 lbs (1kg) sample of strata (PHSI No. 5 P-43)

Qty: 2 Nos. @Rs: 3530.00 Each Rs: 7060 /-

- 10 Supplying and fixing 12" dia bail plug (PHSI No.8 P-43)

Qty: 2 No. @Rs: 2607 Each Rs: 5214 /-

- 11 Development charges of Tube wells (PHSI No.8 P-43)

Qty: 84 Hours @Rs: 200 P.Hours Rs: 16800 /-

- 12 Resistivite test etc complete (approved rate)

Qty: 1 No. @Rs: 25000 Each Rs: 25000 /-

**Total Rs: 282607 /-**

## **PART - II PUMP HOUSE 8x8**

- 1 Excavation in foundation of building bridges and other structure i/c dag belling bressing refilling around the structure with excavated earth watering and ramming lead upto one chain and lift upto 5' ft (in ordinary soil) (CSI No: 18 P.No: 05)

Qty: 147.50 cft @Rs: 3176.25 P.%o cft Rs: 468 /-

- 2 Cement concrete brick or stone ballast 1 1/2" to 2" guage Ratio 1:4:8 (CSI No: 4 P-No: 16)

Qty: 59.16 cft @Rs: 9416.28 P.% cft Rs: 5,571 /-

- 3 Random Rubbal masonry (un coursed) in foundation and plinth in cement sand mortor ratio (1:6) (CSI No.1 (d) P-32)

Qty: 78.75 cft @Rs: 17723.00 P.%cft Rs: 13,957 /-

- 4 Coursed Rubbal masonry i/c hammer dressing in cement sand mortor ratio (1:6) (CSI No.2 (d) P-27)

Qty: 164.06 cft @Rs: 25321.00 P.% cft Rs: 41,542 /-

- 5 D.P.C (cement sand & shingle (1:2:4) i/c two coats of miax phlat mixture (CSI No 20(d) P-18)

Qty: 43.75 sft @Rs: 4982.18 P.% sft Rs: 2,180 /-

6	Pointing flash on stone in cement motor 1;3 (CSI No: 20 P-53)				
	Qty: 150.00 sft	@Rs: 1758.08	P.%sft	Rs:	2,637 /-
7	Pacca brick work in foundation plinth in cement sand mortar (1:6)(CSI.No: 4 P.No: 20)				
	Qty: 17.40 cft	@Rs: 11948.36	P.%rft	Rs:	2,079 /-
8	Pacca Brick work in ground floor including striking of joints cement sand motor motor 1:6 (CSI No: 5 P-No: 20)				
	Qty: 218.63 cft	@Rs: 12674.36	P.% cft	Rs:	27,709 /-
9	RCC work in roof slabs, beams, columns, rafts, lintels and other structure members laid in situ or precast laid in position making complete in all respect Ratio: 1:2:4 90 Lbs of cement Cft. of sand 4 Cft. of shingle ½ to ¾ gauge (CSI No: 6 P-No: 17)				
	Qty: 70.51 cft	@Rs: 337.00	P.cft	Rs:	23,762 /-
10	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 and also i/c cost of steel bars (Also include removal of rust from bars (CSI No: 8 P-No: 16)				
	Qty: 2.83 cwt	@Rs: 5001.70	P.cwt	Rs:	14,155 /-
11	Filling watering and ramming earth in floors with surplus earth from foundation and lead upto one chain and lift upto 5' ft (CSI No: 21 P-No: 4)				
	Qty: 203.75 cft	@Rs: 1512.50	P%ocft	Rs:	308 /-
12	Providing and laying 1" thick CC topping surface finishing and dividing to panels (SCI No: 16 P- 43) <b>3" THICK</b>				
	Qty: 58.22 cft	@Rs: 4411.82	P%cft	Rs:	2,569 /-
13	Fabrication of havey steel work with angle tees flate iron round iron sheet iron for making girder tanks etc i/c cutting drilling revilling reviling handling assembling and fixing but eccluding erection in position (CSI No.2 P-91)				
	Qty: 4.40 cwt	@Rs: 4928.49	P.cwt	Rs:	21,685 /=

14	Providing fixing Girder cross (SMI No.140 P-06)				
Qty:	2.030 cwt	@Rs: 3850.00	P.cwt	Rs:	7,816 /=
15	Errection & fitting in position of iron trusses fixing in position (C.S.I.No:6 P.No: 91)				
Qty:	4.40 cwt	@Rs: 271.04	P.cwt	Rs:	1,193 /=
16	Supplying & fixing in position iron / steel grill of of size 3/4" x 1/4" size flat iron of 3 coats etc complete. (C.S.I.No: 26 P.No: 93 )				
Qty:	24.00 sft	@Rs: 180.50	P.sft	Rs:	4,332 /=
17	Cement for plaster (1:6) upto 12 height 1/2 thick (CSI No: 11(a) P-52)				
Qty:	268.00 sft	@Rs: 2206.60	P.%sft	Rs:	5,914 -/-
18	Cement plaster (1;4) upto 12 ft height (3/8 thick) (CSI No: 11 P-52)				
Qty:	289.96 sft	@Rs: 2197.52	P.%sft	Rs:	6,372 -/-
19	Cement Pointing struck joints on walls (CSI No: 19 P-No: 53)				
Qty:	328.00 sft	@Rs: 1213.58	P.%sft	Rs:	3,981 -/-
20	White washing one coats (CSI No: 26 P-64)				
Qty:	268.00 sft	@Rs: 416.63	P.%sft	Rs:	1,117 -/-
21	White washing three coats (CSI No: 26 P-54)				
Qty:	130.00 sft	@Rs: 829.95	P.%sft	Rs:	1,079 -/-
23	Colour washing to coads (CSI No: 25(a) P-54)				
Qty:	596.00 sft	@Rs: 859.90	P.%sft	Rs:	5,125 -/-
24	Preparing surface painting of doors and windows any type i/c edge (CSI No: 55 P-No: 70) Three coats				
Qty:	104.00 sft	@Rs: 2116.41	P.%sft	Rs:	2,201 -/-
<b>Total</b>				<b>Rs:</b>	<b>197,752 -/-</b>
@Rs: 197,752 x 2 =				<b>Rs:</b>	<b>395,504 -/-</b>

### **PART - III RISING MAIN P.E PIPE**

1 Dismanteling and removing Road mentling

Qty: 1000.00 cft @Rs: 605.00 P%cft Rs: 6,050 /-

2 Excavation for pipe lines trenches and pits soft soil i/c trimming and dressing to true alignment and shape leveling of beds of trenches to level and grade cutting and disposal of surplus earth with in one chain as directed by engineer Incharge, providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift up to 5' ft and lead up one chain (PHSI No.1 P-60)

Qty: 29000 cft @Rs: 3600.00 P.%ocft Rs: 104,400 /-

3 Excavation for pipe lines trenches and pits wet soil i/c trimming and dressing to true alignment and shape leveling of beds of trenches to level and grade cutting and disposal of surplus earth with in one chain as directed by engineer Incharge, providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift up to 5' ft and lead up one chain ((CSI No.14 P-66)

Qty: 12000 cft @Rs: 5400.00 P.%ocft Rs: 64,800 /-

4 Providing layiing and fixing in trenches tranch i/c fitting jointing & testing etc complete in all respect the high density polythylene PE pipes (HDPE 100) for water supply conformaimg ISO 4427/DIN 8074/8075 BS 3580 and PSI 3051 (PHSI No.1 P-25)  
6" Dia 160 mm

Qty: 6000 Rft @Rs: 440.00 P.Rft Rs: 2,640,000 /-

5 Cast iron specials for UPVC / AC Presure pipes (standerad for ACIL "B" class (SMI PHSI 1 P-13)  
C.I.Gibault joint 6" dia

Qty: 2 Nos. @Rs: 1062.50 Each Rs: 2,125 /-

PE Elbow 6" dia 90\* outer id 160 mm (PHSMI No. B P-18)

Qty: 3 Nos. @Rs: 3480.00 Each Rs: 10,440 /-

PE Elbow 6" dia 45\* outer id 160 mm (PHSMI No. B P-18)

Qty: 1 Nos. @Rs: 2784.00 Each Rs: 2,784 /-

PE Butt Joint (PHSMI No. H P-20)

Qty: 8 Nos. @Rs: 1000.00 Each Rs: 8,000 /-

PE Tee 160 mm (PHSMI No. H P-20)

Qty:	2	Nos.	@Rs:	4175.00	Each	Rs:	8,350	/-
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- 5 Refilling the excavated stuff in trenches in 6" thick layers i/c watering ramming or full etc complete (PHSI No.24 P-77)

Qty:	42000	cft	@Rs:	2760.00	P.%ocft	Rs:	115,920	/-
<b>Total</b>						<b>Rs:</b>	<b>2,962,869</b>	<b>/-</b>

#### **PART - IV DISTRIBUTION SYSTEM PE PIPE 4" & 3" DIA**

- 1 Dismanteling and removing Road mentling (CSI No.51 P-13)

Qty:	1000.00	cft	@Rs:	605.00	P%ocft	Rs:	6,050	/-
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- 2 Excavation for pipe lines trenches and pits soft soil i/c trimming and dressing to true alignment and shape leveling of beds of trenches to level and grade cutting and disposal of surplus earth with in one chain as directed by engineer Incharge, providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift up to 5' ft and lead up one chain (PHSI No: 1 P.No: 60 )

Qty:	20800.00	cft	@Rs:	3600.00	P.%ocft	Rs:	74,880	/-
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- 3 Excavation for pipe lines trenches and pits wet soil i/c trimming and dressing to true alignment and shape leveling of beds of trenches to level and grade cutting and disposal of surplus earth with in one chain as directed by engineer Incharge, providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift up to 5' ft and lead up one chain (PHSI No: 14 P.No: 66 )

Qty:	10800.00	cft	@Rs:	5400.00	P.%ocft	Rs:	58,320	/-
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- 4 Providing layiing and fixing in trenches tranch i/c fitting jointing & testing etc complete in all respect the high density polythylene PE pipes (HDPE 100) for water supply conformaing ISO 4427/DIN 8074/8075 BS 3580 and PSI 3051 (PHSI No.1 P-25)  
4" Dia 110 mm

Qty:	400	Rft	@Rs:	224.00	P.Rft	Rs:	89,600	/-
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3" Dia 90 mm

Qty:	5000	Rft	@Rs:	148.00	P.Rft	Rs:	740,000	/-
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- 5 High Density Polythylene fitting (PE-100)  
ACIL "B" class (SMI PHSI 11 P-18)

P.E.Tee 4"x4"x4" 110 mm

Qty: 1 Nos. @Rs: 1986.00 Each Rs: 1,986 /-

P.E. Tee 3"x3"x3" 90 mm

Qty: 3 Nos. @Rs: 1341.00 Each Rs: 4,023 /-

Elbow 4" dia 90° outer id 110 mm

Qty: 1 Nos. @Rs: 1655.00 Each Rs: 1,655 /-

Elbow 3" dia 90° outer id 90 mm

Qty: 2 Nos. @Rs: 1118.00 Each Rs: 2,236 /-

- 6 Cast iron specials for UPVC / AC Pressure pipes (standard for ACIL "B" class (SMI PHSI 1 P-19) for Repair

C.I.Gibault joint 4" dia

Qty: 4 Nos. @Rs: 568.75 Each Rs: 2,275 /-

C.I.Gibault joint 3" dia

Qty: 4 Nos. @Rs: 731.25 Each Rs: 2,925 /-

- 7 PE Butt Joint (PHSMI No. H P-20)  
4"

Qty: 2 Nos. @Rs: 1000.00 Each Rs: 2,000 /-

- 8 PE Butt Joint (PHSMI No. H P-20)  
3"

Qty: 8 Nos. @Rs: 600.00 Each Rs: 4,800 /-

- 9 Refilling the excavated stuff in trenches in 6" thick layers i/c watering ramming or full etc complete (PHSI No: 24 P.No: 77)

Qty: 32600 cft @Rs: 2760.00 P.‰ocft Rs: 89,976 /-

Total = Rs: 1,080,726 /-

**PART- V L.S.R. (10'ft dai)**

- 1 Excavation in foundation of building bridges 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' ft (in ordinary soil) (CSI No: 18 P.No: 05)

Qty: 223.54 cft @Rs: 3176.25 P.‰o Cft. Rs: 710 /-



2	Cement concrete plain i/c placing compacting finishing and curing complete i/c Screening & washing of stone aggregates without shuttering. (CSI.No:5(i) P.No:16)				
a)	<b><u>Ratio 1:4:8</u></b>				
	Qty: 139.93 cft	@Rs: 11288.75	P.%Cft.	Rs:	15,796 /-
b)	<b><u>Ratio 1:2:4</u></b>				
	Qty: 76.65 cft	@Rs: 14429.25	P.%Cft.	Rs:	11,060 /-
3	Pacca brick work in foundation plinth in cement sand mortar (1:6) (CSI.No:4 (e) P.No:20)				
	Qty: 240.00 cft	@Rs: 11948.36	P.% Cft.	Rs:	28,676 /-
4	Filling watering and ramming earth in floors with surplus earth from foundation and lead upto one chain and lift upto 5' ft (CSI No: 21 P-No: 5)				
	Qty: 72.80 cft	@Rs: 1512.50	P%oCft.	Rs:	110 /-
5	Cement plaster (1;4) upto 12 ft height (1/2" thick) (CSI No: 11 P-58)				
	Qty: 237.27 sft	@Rs: 2283.93	%Sft..	Rs:	5,419 /-
6	RCC work in roof slabs, beams, columns, rafts, lintels and other structure members laid in situ or precast laid in position making complete in all respect Ratio: 1:2:4 90 Lbs of cement Cft. of sand 4 Cft. of shingle ½ to ¾ gauge (CSI No: 6 P-No: 17)				
	Qty: 259.00 cft	@Rs: 337.00	P.Cft.	Rs:	87,283 /-
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 and also i/c cost of steel bars (Also include removal of rust from bars (CSI No: 7 P-No: 19)				
	Qty: 12.72 cwt	@Rs: 5001.70	P.cwt	Rs:	63,622 /-
8	Cement plaster (1;4) upto 12 ft height (3/4" thick) (CSI No: 11 P-58)				
	Qty: 888.62 sft	@Rs: 3015.76	%Sft..	Rs:	26,799 /-

9	supply of Dampo (SMI No. 46 P04)				
Qty:	9.08 lbs	@Rs:	125	P.kg	Rs: 1,135 /-
10	Providing GI standarad approved quality (Schedule item) (R.A approved) 3/4" dia				
Qty:	4 rft	@Rs:	62.38	P.rft	Rs: 250 /-
	3" dia				
Qty:	25 rft	@Rs:	304.62	P.rft	Rs: 7,616 /-
11	Providing and fixing MS 3:" dia flange made out of MS steel 3/8" thick drilling holes etc complete (RA approved) 3"				
Qty:	8 Nos.	@Rs:	500.89	Each	Rs: 4,007 /-
12	C.I. Band with flanged ends with holes i/c turing facing flanged for all size (PHS No. 8 (e) P- 11)				
Qty:	0.578 cwt	@Rs:	6096.00	P.cwt	Rs: 3,523 /-
13	Supplying . Broce Bib Cock 3/4" dia (standerad pattern) (SNI No. 9 (e) P- 10)				
Qty:	4 Nos.	@Rs:	348.92	Each	Rs: 1,396 /-
14	Cost iron specials for AC Presure pipes of class ACIL "B" class (SMI PHSI 1 P-13) <u>short pice 3" dia</u>				
Qty:	1 No	@Rs:	375.00	Each	Rs: 375 /-
15	Providing CI Main Hole cover and frame i/c cost of material etc (weight of each 3.0 cwt) (PHSI No: J (i) P-No: 35)				
Qty:	1 No.	@Rs:	6985.00	Each	Rs: 6,985 /-
16	P/F C.I. Ventilator weight not to be less than 90 lbs once in roof tank of approved design rain with water right joint i/c painting etc complete (PHSI No.4 P-55)				
Qty:	1 No.	@Rs:	4870.00	Each	Rs: 4,870 /-

- 17 Supplying CI sluice valve heavy pattern test pressure  
21.0 kg or CM or 300 lbs sq: inch (SMI No. 2 (b) P-11).

**3" Dia**

Qty: 1 No. @Rs: 4290.00 Each Rs: 4,290 /-

- 18 Jointing CI/MS flanged pipe to special flange and inside threaded i/c  
supplying rubber packing the required thickness nuts and bolts with  
wisher wand other required for jointing and testing the joint of the  
specified pressure etc complete (PHSI No: 1(a) P-40)

**3" Dia**

Qty: 5 Nos. @Rs: 499.00 P.Joint Rs: 2,495 /-

Total Rs: 276,417 /-

**PART-VI** @Rs: 276417 x 3 =

Rs: 829,251 /-

**1 PUMPING MACHINERY NON - SCHEDULE ITEMS**

GOLDEN - SAER Submersible pump NR-95 E/24 type 4" (2") with 7.5 Hp 3 Phase  
Electric Motor origin: SAER, Italy for Discharge 70 GPM @ 140 feet head with local  
made accessories for 40 feet setting as under: Electric Drop cable 10mm<sup>2</sup> -3 core x80 feet  
water proof joint G.I. Pipe 2" IIL-M Grade x 40 feet G.I Bend 2 x 1 G.I. Delivery pipe 2"  
IIL-M Grade x 5 feet MS foundation plate with T-Bolts M.S Holding clamp 2 1/2"x1  
sockets 2 x 4 MS Bore Cover plate x1 wire rope with clamps feet i/c providing & fixing  
automatic MCU (Motor control Unit) consists oil starter (MEECO Pakistan) MCCB  
Breaker 10-A to 50-A (Shihlin Taiwan) cutout 60-A (China) Amp meter (60-A) (SELCO)  
china volt meter (500-V) (SELCO China) Phase indication light (China) include  
Transformer oil (2-liter) panel board 18"x26" and interal wiring ETC complete, and  
providing fixing earthling arrangement and testing of the pumping set against 72 Hours.

1 sets @Rs: 546000 P-set Rs: 546,000 /-

- 4 Flange Adopter

Qty: 6 Nos. @Rs: 675.00 Each Rs: 4,050 /-

Total = Rs: 550,050 /-

@Rs: 550050 x 2 = Rs: 1,100,100 /-

**INTER CONNECTION**

**SCHEDULE ITEMS**

- 1 Providing laying and fixing in trenches trench i/c fitting jointing  
& testing etc complete in all respect the high density polythylene  
PE pipes (HDPE 100) for water supply conformaing ISO 4427/DIN  
8074/8075 BS 3580 and PSI 3051 (PHSI No.1 P-25)

3" Dia 110 mm

Qty: 20.00 rft @Rs: 178 P-Rft Rs: 3,560 /-

- 2 Providing and installing MS flandge made out of MS sheet.  
3/8" thick i/c cutting drilling holes etc complete (based on schedule item)  
(R.A. Approred ) (Based on sch: rate)

Qty: 4.00 Nos @Rs: 500.89 Each Rs: 2,004 /-

- 5 C.I Bend of flanged end with holes i/c trenches and facing  
of flanged for all size (PHSMI No.8 P-12)

**3" Dia**

Qty: 0.26 cwt @Rs: 6096.00 P-cwt Rs: 1,585.00/-

- 6 CI tapers flat bottomed or central tapered flanged ends with  
holes i/c turning and facing of flanged all size (SMI No.9 P-12)  
Size 6x3

Qty: 0.469 cwt @Rs: 6096.00 P-cwt Rs: 2,859.00/-

- 3 Supplying reflex valve heavy pattern test pressure  
21.0 kg or CM or 300 lbs sq: inch (SMI No. 6 (b) P-11)

**3" Dia**

Qty: 1 No. @Rs: 1543.75 Each Rs: 1,544.00/-

- 8 Jointing CI/MS flanged pipe to special flanged and inside threaded  
i/c supplying rubber packing the required thickness nuts and bolts  
with wisher and other required for jointing and testing the joint to  
the specified pressure etc complete. (PHSI No. 1 (b) P-40)

**3" Dia**

Qty: 10 Joints @Rs: 499.00 P-joint Rs: 4,990.00/-

- 4 Butt fusion joint (SMI No.H P-18)

Qty: 6 No. @Rs: 600.00 Each Rs: 3,600.00/-

Total Rs: 20,141.00/-

x 2 Rs: 40,283.00/-

**GENERAL ABSTRACT**

S.No.	Name of Work	Schedule Item	Non Schedule Item	G. Total
PART - I	TUBE WELL	Rs: 282,607	Rs: ---	Rs: 282,607
PART - II	PUMP HOUSE 8x8 (2 Nos.)	Rs: 395,504	Rs: ---	Rs: 395,504
PART - III	RIISING MAIN 6" DIA (P.E Pipe)	Rs: 2,962,869	Rs: ---	Rs: 2,962,869
PART - IV	DISTRIBUTION SYSTEM	Rs: 1,080,726	Rs: ---	Rs: 1,080,726
PART - V	L.S.R. (3 Nos.)	Rs: 829,251	Rs: ---	Rs: 829,251
PART - VI	PUMPING MACHINERY (02 Nos.)	Rs: 40,283	Rs: 1,100,100	Rs: 1,140,384
Total		Rs 5,591,239	Rs: 1100100	Rs: 6,691,341

- Any error commission in the description of itme of work rates original schedule B correct accordingly in the instruciton of the Executive Engineer PHE Division-I Khairpur
- No Premium will be allowed on Non Schedule item.
- The Work will be carred out as per PWD / PHE specificaliton approval rates working

**CONTRACTOR**

**EXECUTIVE ENGINEER**  
PUBLIC HEALTH ENGINEERING DIVISION-I  
KHAIRPUR

## SCHEDULE "B"

### NAME OF WORK:

DETAIL WORKING ESTIMATE FOR REHABILITATION OF  
WATER SUPPLY SCHEME KOLAB JIAL TALUKA KINGRI  
DISTRICT KHAIRPUR.

S No.	Qty:	Item of Work	Rate	Unit	Amount
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### PART - I      INVESTIGATION OF SOIL

- 1      Investigation of Soil (Resistivity Survey)

Qty:	1.00	Job	@Rs:	25000.00	P.Job	Rs:	25,000	/=
					Total	Rs:	25,000	/=

### PART - II      TUBE WELLS 8" DIA:

- 1      1. Boring for tube wells in all water bearing soil from ground level up to 100"  
ft 30.50 meter depth i/c sinking and will drawing of crossing pipe 8" Dia  
boring  
(PHS. I. No. 1 P.No. 41)

Qty:	70.00	Rft	@Rs:	743.00	P.Rft	Rs:	52,010	/=
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- 2      Supplying and Installing PVC Strainer "B" Class of approved design quality  
and make necessary sockets etc complete for 8" Dia PVC Strainer  
(PHS.I.No.9 P.No.43).

Qty:	39.00	Rft	@Rs:	554.05	P.Rft	Rs:	21,608	/=
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- 3      Supplying and Installing PVC Blind pipe "B" class of approved design  
quality and make necessary sockets etc complete for 8" Dia PVC Strainer  
(PHS I. No. 12 P.No. 44).

Qty:	39.00	Rft	@Rs:	516.80	P.Rft	Rs:	20,155	/=
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- 4      Surrounding with grated Bajri size 3/8" to 1/8" or (9 to 3 mm) in between  
bore & blind pipe for the following dia meter of strainer.  
(PHS.I.No. 13 P.No.45)

Qty:	70.00	Rft	@Rs:	105.00	P.Rft	Rs:	7,350	/=
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- 5      Supplying M.S. bail plug of approved quality. (PHS. I. No. 8 (b) P.No.43).

Qty:	1.00	No	@Rs:	2607.00	Each	Rs:	2,607	/=
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- 6      Taking & preserving 2 lbs: (1 Kg) samples of per strata from bore holes.  
(PHS. I No.6 P.NO.43)

Qty:	4.00	Sample	@Rs:	101.00	P.Sample	Rs:	404	/=
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- 7 Taking samples of water from bore holes & placing in two separate bottles.  
(PHS. I. No. 7 P.No. 43).

Qty: 4.00 Sample @Rs: 131.00 P.Sample Rs 524 /=

- 8 Development of tubewells (PHSI No. 8(a) P.43)

Qty: 70.00 Rft @Rs: 200.00 P.Rft Rs 14,000 /=

- 9 Providing strong, substantially built wooden locked box with compartments  
For preserving 2 lbs: (1Kg) sample of strata. (PHS I. No. 5 P. No. 43)

Qty: 1.00 No @Rs: 3530.00 Each Rs 3,530 /=  
Total Rs 122188 x 3 = 366,564 /=

### **PART - III      P/Machinery Schedule item**

- 1 Providing Laying & fixing in trench i/c fitting jointing & testing etc complete  
In all respect the high density polythylene PE pipes (HDPE-100) for W/S  
confirming ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051 (G S I. No. 1 P.No.25)  
PN-10(90 mm) 3" dia

Qty: 20.00 Rft @Rs: 178.00 P.Rft Rs 3,560 /=

- 2 Providing & Installing 4" Dia: MS pipe made out of MS sheet 3/16" thick  
cutting folding to curvature & shape i/c welding etc complete (Base on  
schedule) 3" dia

Qty: 6.00 Nos @Rs: 500.89 Each Rs 3,005 /=

- 3 Supplying reflex valve heavy pattern test pressure 21.0 kg or CM or 300 Sq.  
inch.(SMI-No. 6 P-11) 3" dia

Qty: 1.00 Nos @Rs: 1543.75 Each Rs 1,544 /=

- 4 C.I. bend with flanged end with holes i/c turning and facing of flanged for all  
size (SRM I-No. 8 P-12)

Qty: 0.26 No @Rs: 6096.00 Each Rs 1,585 /=

- 5 Supplying sluice valve heavy pattern test pressure 21.0 kg or CM or 300 Sq  
inch imported. (SM I-No. 2 P-11) 3" dia

Qty: 1.00 Nos @Rs: 4290.00 Each Rs 4,290 /=

- 6 Butt Fusion Joint (SM I-No.HP-No 18) 3" dia

Qty: 6.00 Nos @Rs: 600.00 Each Rs 3,600 /=

- 7 Jointing CI/MS pipe to specials flanged and inside threaded i/c supplying rubber packing the required thickness nuts and bolts with washer and other required for jointing & testing the joint to the specified pressure etc complete. (PHS. I. No. 1 P. No. 40).

Qty:	5.00	Nos	@Rs:	499.00	P.Joint	Rs.	2,495	/=
					Total	Rs.	20,079	/=

### **NON SCHEDULE ITEM**

- 1 Providing installing Transportation and testing of Golden-SAER Submersible Pump NR-151 D/15 Type 6" (2 1/2"), with 15 BHP 3 Phase Electric Motor Origin Saer-Italy for discharge 120 GPM @ 180 feet Head.  
With Local made accessories for 40 feet setting as under :  
Electric drop cable 20 mm 2-3 core core x 70 feet water proof joint G.I Pipe 2 1/2" IIL-M Grade x 40 feet G.I Bend 2 1/2" x 1 G.I Delivery Pipe 2 1/2" III-M Grade x 5 foundation plate with T-Bolts holding clamp 2 1/2" x 1 sockets 2 1/2" x 5 M.S Bore cover plate x 1 wire rope with clamps x 100 feet i/c providing, Fixing automatic motor control unit (MCU) consist oil starter (MEECO Pakitan ) and providing earthing set i/c CC foundation with Nuts & Bolts and Providing Internal Electric wiring & Testing of the pumping set against 72 Hours etc complete.

Qty:	1.00	Set	@Rs:	571000.00	Each	Rs	571,000	/=
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- 2 Flange Adapter 3" dia

Qty:	6.00	Nos	@Rs:	675.00	Each	Rs	4,050	/=
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Total	Rs	575,050	/=
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### **PART - IV D/Main P.E Pipe 8" Dia**

- 1 Excavation for pipe lines in trenches and pits in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting and disposal of surplus earth with in one chain as directed by Engineer in charge, providing fence guards, lights, flags and temporary crossing for non vehicular traffic wherever required lift up to 5'ft. lead up to one chain (PHSI No : P.No: 60).

Qty:	173250.00	Cft	@Rs:	3600.00	P%oCft	Rs	623,700	/=
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- 2 Providing Laying & fixing in trench i/c fitting jointing & testing etc complete  
In all respect the high density polyethylene PE pipes (Black-80) for W/S

Qty:	22000.00	Rft	@Rs:	860.00	P.Rft	Rs	18,920,000	/=
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3	Cast iron for P.E pressure pipe cost iron specials for A.C. Pressure pipes standard weight of ACIL "B" class.						
	Qty: 7.00 Nos	@Rs: 7222.00	Each	Rs	50,554	/=	
4	Air value double acting 3"x1" (SMI No: 8 P- 12)						
	Qty: 4.00 Nos	@Rs: 4000.00	Each	Rs	16,000	/=	
5	Supplying and fixing CI sluice valve heavy pattern test pressure 21.0 kg /sq . cm or 300 ft / sq inch) imported (PHSI No: 5 P- 9)						
	Qty: 1.00 No	@Rs: 17940.00	Each	Rs	17,940	/=	
6	Providing M.S Pipe made out of M.S Sheet 1/4" thick						
	Qty: 150.00 Rft	@Rs: 1336.23	P.Rft	Rs	200,435	/=	
7	Providing M.S flange 8" Dia 1/2" thick						
	Qty: 8.00 Nos	@Rs: 1293.28	Each	Rs	10,346	/=	
	3/8" thick 3" Dia						
	Qty: 4.00 Nos	@Rs: 500.89	Each	Rs	2,004	/=	
8	Jointing CI/MS flanged pipe to special flanged and inside threaded i/c supplying rubber packing the required thickness nuts and bolts with wisher and other required for jointing and testing the joint to the specified pressure etc complete. (PHSI No. 1 P- 40). 3" Dia for Air Value						
	Qty: 4.00 Joints	@Rs: 499.00	P.Joint	Rs	1,996	/=	
	8" Dia for Sluice Value						
	Qty: 8.00 Joints	@Rs: 940.00	P.Joint	Rs	7,520	/=	
9	High density PE fitting (PE-100) per each equivalent make. Tee 8"x 8"x 4" (225 x 110 mm) (SM I-No.DP-No 19) PN-8						
	Qty: 1.00 Nos	@Rs: 7437.00	Each	Rs	7,437	/=	
	Elbow 90o (8" Dia:)(225 mm)(SMI.No.13 PNo. 18)						
	Qty: 2.00 Nos	@Rs: 6874.00	Each	Rs	13,748	/=	
	Elbow 45o (8" Dia:)(225 mm)(SMI.No.13 PNo. 18)						
	Qty: 2.00 Nos	@Rs: 5500.00	Each	Rs	11,000	/=	
10	Butt Fusion Joint 8" Dia (SM I-No.HP-No 20)						
	Qty: 10.00 Nos	@Rs: 1800.00	Each	Rs	18,000	/=	



- 12 Refilling the excavated stuff in trenches in cement in 6" thick layers i/c watering ramming on full etc complete (PHSI No.24 P.No.77).

Qty: 155925.00 Cft @Rs: 2760.00 P%oCft Rs 430,353 /=

- 12 Providing chamber 3'x2'(915 x 615 mm) inside dimension 4 1/2' (1372 mm) deep as per approved design for sluice valve 3" to 12" Dia with 18" (457 mm) Dia inside cast iron cover and frame (wt= 1 cwt 3 qr) fixed in RCC 1:2:4 (102 mm) thick (with 5 Lbs steel per Cft ) 9"=(299 mm)thick brick masonry wall set in 1:6 cement mortar 6"(1152 mm) thick cement concrete 1:3:6 in foundation 1" (25 mm) thick cement concrete 1:2:4 flooring 1/2" (12.5 mm) 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 1/2 ft depth curing excavation back filling and disposal of surplus earth etc complete (PHSI No. 1 P. 49).

Qty: 5.00 Nos @Rs: 18820.00 Each Rs 94,100 /=  
Total Rs 20,425,133

### Non Schedule item

- 1 Flange Adapter 225 mm  
(a) (size 200 mm)

Qty: 2.00 Nos @Rs: 4725.00 Each Rs 9,450 /=

- (b) (110 mm )

Qty: 3.00 Nos @Rs: 675.00 Each Rs 2,025 /=

- 2 Reducer 8" x 6" (225 mm x 160 mm)

Qty: 1.00 Nos @Rs: 12300.00 Each Rs 12,300 /=  
Total Rs 23,775 /=

### PART- V PUMP HOUSE 8' x 8'

- 1 Excavation in foundation of building bridges and other structure i/c dag belling bressing refilling around the structure with excavated earth watering and ramming lead upto one chain and lift upto 5' ft (in ordinary soil) (CSI No: 18 P.No: 04)

Qty: 147.50 cft @Rs: 3176.25 P.%o Cft. Rs 468 -/-

- 2 Cement concrete brick or stone ballast 1 1/2" to 2" guage Ratio 1:4:8 (CSI No: 4 P-No: 15)

Qty: 59.16 cft @Rs: 9416.28 % Cft. Rs 5,571 -/-

3	Random Rubbal masonry (un coursed) in foundation and plinth in cement sand mortor ratio (1:6) (CSI No.1 (d) P-27)	Qty: 78.75 cft	@Rs: 17723.00	% Cft.	Rs: 13,957 /-
4	Coursed Rubbal masonry i/c hammer dressing in cement sand mortor ratio (1:6) (CSI No.2 (d) P-37)	Qty: 164.06 cft	@Rs: 25321.00	% Cft.	Rs: 41,542 /-
5	D.P.C with (cement sand & shingle (1:2:4) i/c two coats of as phaltic mixture (CSI No 28 P-19)	Qty: 43.75 Sft.	@Rs: 4982.18	% Sft.	Rs: 2,180 /-
6	Pointing Raised on stone in cement motor 1;3 (CSI No: 20 (iii) P-53)	Qty: 150.00 Sft.	@Rs: 1758.08	%Sft..	Rs: 2,637 /-
7	Pacca brick work in foundation plinth in cement sand mortar (1:6)(CSI.No: 4 (e) P.No: 20)	Qty: 17.40 cft	@Rs: 11948.36	% Cft.	Rs: 2,079 /-
8	Pacca Brick work in ground floor including stricking of joints cement sand motor motor 1:6 (CSI No: 5 P-No: 20)	Qty: 218.63 Cft.	@Rs: 12674.36	% Cft.	Rs: 27,709 /-
9	RCC work in roof slabs, beams, columns, rafts, lintels and other structure members laid in situ or precast laid in position making complete in all respect Ratio: 1:2:4 90 Lbs of cement Cft. of sand 4 Cft. of shingle ½ to ¾ gauge (CSI No: 6 P-No: 16)	Qty: 70.51 cft	@Rs: 337.00	P.Cft.	Rs: 23,762 /-
10	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastering i/c cost of binding wire and also i/c cost of steel bars (Also include removal of rust from bars (CSI No: 8 P-No: 16)	Qty: 2.83 cwt	@Rs: 5001.70	P.cwt	Rs: 14,155 /-

11	Filling watering and ramming earth in floors with surplus earth from foundation and lead upto one chain and lift upto 5' ft (CSI No: 21 P-No: 4)	Qty: 203.75 cft	@Rs: 1512.30	P%oCft.	Rs	308 /-
12	Providing and laying 1" thick topping cement concrete (1:2:4) i/c surface finishing and dividing in to panels (CSI No: 16 P- 41) 3" thick <b>3" THICK</b>	Qty: 58.22 sft	@Rs: 4411.82	P% Sft.	Rs	2,569 /-
13	Fabrication of heavy steel work with angle tees flate iron round steel iron trues girder tanks etc i/c cutting revitting drilling bending assembling and fixing erecting in position excluding etection in position (CSI No.2 P-91)	Qty: 4.40 cwt	@Rs: 4928.49	P.cwt	Rs	21,685 /=
14	Providing & Fixing Girder cross (SMI No.140 P.No.06)	Qty: 2.03 cwt	@Rs: 3850.00	P.cwt	Rs	7,816 /=
15	Errection & fitting in position of iron trusses fixing in position (C.S.I.No:3 P.No: 91)	Qty: 4.40 cwt	@Rs: 271.04	P.cwt	Rs	1,193 /=
16	Supplying & fixing in position iron / steel grill using solid square bars of size 3/4" x 1/4" size etc complete. (C.S.I.No: 26 P.No: 93 )	Qty: 24.00 sft	@Rs: 180.50	P.Sft.	Rs	4,332 /=
17	Cement Plaster (1:6) up to 12' height 3/8 thick. (CSI No 11(a) .P.No. 52)	Qty: 268.00 sft	@Rs: 2206.60	%Sft..	Rs	5,914 /-
18	Cement plaster (1:4) upto 12 ft height (3/8" thick) (CSI No: 11 P-58)	Qty: 289.96 sft	@Rs: 2197.52	%Sft..	Rs	6,372 /-
19	Cement Pointing struck joints on walls (1:3) (CSI No: 19 P-No: 58)	Qty: 328.00 sft	@Rs: 1213.58	%Sft..	Rs	3,981 /-
20	White washing one coats (CSI No: 26 P-54)	Qty: 268.00 sft	@Rs: 416.63	%Sft..	Rs	1,117 /-

21 White washing three coats (CSI No: 26 P-54)

Qty: 130.00 sft	@Rs: 829.95	%Sft..	Rs: 1,079 /-
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22 Colour washing to coads (CSI No: 25(b) P-54)

Qty: 596.00 sft	@Rs: 859.90	%Sft..	Rs: 5,125 /-
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23 Preparing surface painting of doors and windows  
any type i/c edge (CSI No: 5 P-No: 69) Three coats

Qty: 104.00 sft	@Rs: 2116.41	%Sft..	Rs: 2,201 /-
Total Rs 197752			x 3 = 593,256 /-

#### **PART-VI PROVIDING LAYING CABLE WIRE 3.50 CORE**

1 Providing & Laying main or sub main pvc insulated & pvc sheeted with 4 core copper conductor 600/1000 volts size 25 mm (ES I. No. 41 P.No. 150 ).

Qty: 50.00 Meters	@Rs: 2495.00	P.Meter	Rs: 124,750 /-
Total			Rs: 124,750 /-

#### **PART-VIII DISTRIBUTION SYSTEM 6" x 4" x 3" DIA**

1 Dismantling cement concrete plain Ratio: 1:3:6. (CSI. No. 19 (b) P. No. 10)

Qty: 10600 Cft	@Rs: 1306.80	% Cft.	Rs 138,521 /-
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2 Excavation for pipe lines in trenches and pits in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting & disposal of surplus earth with in one chain as directed by Engineer in charge, providing fence guards, lights, flags and temporary crossing for non-vehicular traffic wherever required lift up to 5'ft. lead up to one chain (PHSI No : P. No: 60).

Qty: 55650 cft	@Rs: 3600.00	% oCft.	Rs 200,340 /-
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3 Providing Laying & fixing in trench i/c fitting jointing & testing etc complete In all respect the high density polyethylene PE pipes (HDPE-100) for W/S confirming 4427/DIN 8074/8075 B.S 3580 & PSI 3051. (PHS I. No. 1 P.No.25)

(A) 6" Dia (160 mm outer Dia

Qty: 2650 Rft	@Rs: 440.00	P.Rft	Rs 1,166,000 /-
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(B) 4" Dia (110 mm outer Dia

Qty: 2950 Rft	@Rs: 224.00	P.Rft	Rs 660,800 /-
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• (C) 3" Dia (90 mm outer Dia

• Qty: 5000 Rft @Rs: 148.00 P.Rft Rs: 740,000 /-

4 Cast iron for P.E pressure pipe cost iron specials for A.C. Pressure pipes standard weight of ACIL "B" class.

a) C.I Sluice valve heavy pattern test pressure 21.0 Kg:/Sq: Cm: or 300 Lbs./Sq. inch (Imported)  
3" Dia

Qty: 2.00 Nos @Rs: 4290.00 Each Rs: 8,580 /-

4" Dia

Qty: 2.00 Nos @Rs: 5460.00 Each Rs: 10,920 /-

6" Dia

Qty: 2.00 Nos @Rs: 9360.00 Each Rs: 18,720 /-

5 High density P.E fitting (PE-100) per each equivalent make.

(A) Elbow 90o.(SMI. No. B P.No.18) PN-08  
3" Dia (90 mm)

Qty: 6.00 Nos @Rs: 1118.00 Each Rs: 6,708 /-

4" Dia (110 mm)

Qty: 4.00 Nos @Rs: 1655.00 Each Rs: 6,620 /-

6" Dia (160 mm)

Qty: 2.00 Nos @Rs: 3480.00 Each Rs: 6,960 /-

(B) Elbow 45o.outer dia High Density  
3" Dia (90 mm)

Qty: 4.00 Nos @Rs: 894.00 Each Rs: 3,576 /-

4" Dia (110 mm)

Qty: 3.00 Nos @Rs: 1324.00 Each Rs: 3,972 /-

6" Dia (160 mm)

Qty: 3.00 Nos @Rs: 2784.00 Each Rs: 8,352 /-

(C) Tee Equal (Outer Dia:) (SMI. No. D P.No.19)  
Tee 3"x3"x3" (90mmx90x90)

Qty: 4.00 Nos @Rs: 1341.00 Each Rs: 5,364 /-

Tee 4"x4"x4" (110mmx110x110)

Qty:	4.00	Nos	@Rs:	1986.00	Each	Rs	7,944	/-
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Tee 6"x6"x6" (160mmx160x160)

Qty:	2.00	Nos	@Rs:	4175.00	Each	Rs	8,350	/-
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6 Butt fusion joints (SMI. No. HP.No.20)  
3" Dia

Qty:	14.00	Nos	@Rs:	600.00	Each	Rs	8,400	/-
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4" Dia

Qty:	12.00	Nos	@Rs:	1000.00	Each	Rs	12,000	/-
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6" Dia

Qty:	6.00	Nos	@Rs:	1000.00	Each	Rs	6,000	/-
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7 Jointing CI/MS flanged pipe to special flanged and inside threaded i/c supplying rubber packing the required thickness nuts and bolts with washers and other required for jointing and testing the joint to the specified pressure etc complete. (PHSI No. 1 P- 40).

(a) 6" Dia for Sluice Value.

Qty:	4.00	Joints	@Rs:	938.00	P.Joint	Rs	3,752	/-
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(b) 4" Dia for Sluice Value.

Qty:	4.00	Joints	@Rs:	513.00	P.Joint	Rs	2,052	/-
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(c) 3" Dia for Sluice Value.

Qty:	4.00	Joints	@Rs:	499.00	P.Joint	Rs	1,996	/-
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8 Providing chamber 3'x2'(915 x 615 mm) inside dimension 4 ½' (1372 mm) deep as per approved design for sluice valve 3" to 12" Dia with 18" (457 mm) Dia inside cast iron cover and frame (wt= 1 cwt 3 qr) fixed in RCC 1:2:4 (102 mm) thick (with 5 Lbs steel per Cft ) 9"=(299 mm)thick brick masonry wall set in 1:6 cement mortar 6" (1152 mm) thick cement concrete 1:3:6 in foundation 1" (25 mm) thick cement concrete 1:2:4 flooring ½" (12.5 mm) 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- 40)

Qty:	6.00	Nos	@Rs:	18820.00	Each	Rs	112,920	/-
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- 9 Refilling the excavated stuff in trenches in cement in 6" thick layers i/c watering ramming on full etc complete (PHSI No.24 P.No.77).

Qty: 59625.00 Cft	@Rs: 2760.00	P%oCft	Rs 164,565 /=-
		Total	Rs 3,313,412

### NON SCHEDULE ITEM

- 1 Flange adapter  
160 mm

Qty: 4.00 Nos @Rs: 2025.00 Each Rs 8,100 /-

110 mm

Qty: 4.00 Nos @Rs: 1215.00 Each Rs 4,860 /-

90 mm

Qty: 4.00 Nos @Rs: 675.00 Each Rs 2,700 /-

- (D) Tee un Equal (Outer Dia:) (SMI. No. D  
Tee 6"x6"x4" (160 mm x 110 mm)

Qty: 2.00 Nos @Rs: 9100.00 Each Rs 18,200 /-

Tee 6"x6"x3" (160 mm x 90 mm)

Qty: 2.00 Nos @Rs: 8690.00 Each Rs 17,380 /-

Tee 4"x4"x3" (110 mm x 110 mm)

Qty: 3.00 Nos @Rs: 4870.00 Each Rs 14,610 /-

- (E) Reducer

- (i) Reducer 6" x 4" (160 mm x 110 mm)

Qty: 2.00 Nos @Rs: 3270.00 Each Rs 6,540 /-

- (ii) Reducer 6" x 3" (160 mm x 90 mm)

Qty: 2.00 Nos @Rs: 3250.00 Each Rs 6,500 /-

- (iii) Reducer 4" x 3" (110 mm x 90 mm)

Qty: 3.00 Nos @Rs: 1810.00 Each Rs 5,430 /-

(A) End Cap  
4" Dia (110 mm)

Qty: 2.00 Nos @Rs: 1955.00 Each Rs 3,910 /-

3" Dia (90 mm)

Qty: 4.00 Nos @Rs: 1634.00 Each Rs 6,536 /-

Total Rs 94,766

### GENERAL ABSTRACT

S.No.	Name of Work	Schedule Item	Non	G. Total
1	INVESTIGATION OF SOIL	Rs 25000	Rs ---	Rs 25000
2	TUBE WELL 8" DIA (3 Nos.)	Rs 122188	Rs ---	Rs 366564
3	P/MACHINERY 15 BHP	Rs 20079	Rs 575,050	Rs 595129
4	DILVERY MAIN 8" DIA	Rs 20425133	Rs 23,775	Rs 20448908
5	PUMP HOUSE 8'x8' (3 Nos.)	Rs 197752	Rs ---	Rs 593256
6	CABILE WIRE 3.50 core	Rs 124750	Rs ---	Rs 124750
7	D/SYSTEM 6"x4" x 3" dia	Rs 3313412	Rs 94,766	Rs 3408178

G.Total Rs 24228313 Rs 693591 Rs 25561784

- Any error commission in the description of itme of work rates original schedule B correct accordingly in the instruciton of the Executive Engineer PHE Division No.1 Khairpur
- No Premium will be allowed on Non Schedule item.
- The Work will be carred out as per PWD / PHE specifickaion approval rates working

**CONTRACTOR**

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION - I, KHAIRPUR





**GOVERNMENT OF SINDH  
PUBLIC HEALTH ENGINEERING  
DEPARTMENT**

Karachi dated the 6<sup>th</sup> May, 2013

**NOTIFICATION**

No.SO(T)/PHE/SPPRA-Rules/2013 (pt-II), In exercise of powers conferred by Rule-7 of SPP Rules-2010, the Division wise Departmental Procurement Committees are hereby constituted in Public Health Engineering Department as under:-

S.#	NAME OF PHE DIVISION	PROCUREMENT COMMITTEE	CHAIRMAN/ MEMBER
01	Hyderabad	Executive Engineer, PHE, Division No. 1 Hyderabad	Chairman
		Executive Engineer, Education Works Division Hyderabad	Member
		Assistant Engineer, PHE Sub-Division Qasimabad	Member
2	Jamshoro	Executive Engineer, PHE, Division Jamshoro	Chairman
		Executive Engineer, Education Works, Division Hyderabad	Member
		Assistant Engineer, PHE, Sub-Division Jamshoro	Member
3	Thatta	Executive Engineer, PHE, Division Thatta	Chairman
		Executive Engineer, Education Works Division Thatta	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Thatta	Member
4	Tando Muhammad Khan	Executive Engineer, PHE, Division Tando Muhammad Khan	Chairman
		Executive Engineer, Education Works, Division Tando Muhammad Khan	Member
		Executive Engineer, PHE, Sub- Division No. II Tando Muhammad Khan	Member

	<b>Umerkot</b>	Executive Engineer, PHE, Division Umerkot	Chairman
		Executive Engineer, Education & Works Division Umerkot	Member
		Assistant Engineer, PHE, Sub-Division Kunri	Member
13	<b>Sukkur</b>	Executive Engineer, PHE, Division Sukkur	Chairman
		Executive Engineer, Highway Division Sukkur	Member
		Assistant Engineer PHE, Sub-Division No. II Sukkur	Member
14	<b>Ghotki @ Mirpur Mathelo</b>	Executive Engineer, PHE, Division Ghotki @ Mirpur Mathelo	Chairman
		Executive Engineer, Education Works District Ghotki	Member
		Assistant Engineer, PHE, Sub-Division No. III Ghotki	Member
15	<b>Khairpur-I</b>	Executive Engineer, PHE, Division No. 1 Khairpur	Chairman
		Executive Engineer, Provincial Highway N' Feroze at Khairpur	Member
		Assistant Engineer, PHE, Sub-Division No. III Khairpur	Member
16	<b>Khairpur-II @ Ranipur</b>	Executive Engineer, PHE, Division No. II Khairpur @ Ranipur	Chairman
		Executive Engineer, Irrigation East Division Khairpur	Member
		Assistant Engineer, PHE, Sub-Division Gambat	Member
17	<b>Naushahro Feroze</b>	Executive Engineer, PHE, Division Naushahro Feroze	Chairman
		Assistant Engineer, Highway Sub-Division Mehrabpur	Member
		Assistant Engineer, PHE, Sub-Division Naushahro Feroze	Member

Kashmore @ Kandhkot	Executive Engineer, PHE, Division Kashmore @ Kandhkot	Chairman
	Executive Engineer, Roads Kashmore @ Kandhkot	Member
	Assistant Engineer, PHE, Sub-Division No. 1 Kashmore @ Kandhkot	Member

Term of reference of the Committees:

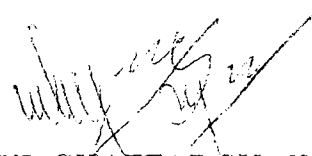
1. Preparing bidding documents
2. Carrying out technical as well as financial evaluation of the bids
3. Preparing evaluation report as provided in Rule 45
4. Making recommendations for the award of contract to the competent authority; and
5. Perform any other function ancillary and incidental to the above

**S.M. KALEEM MAKKI**

Secretary to Government of Sindh

A copy forwarded for information & necessary action to:-

- The Accountant General Sindh, Karachi.
- The Administrative Secretaries (all) in Sindh.
- The Commissioner (all) in Sindh.
- The Chief Engineer, PHED, Hyderabad / Sukkur.
- The Director, Procurement Regulatory Authority Sindh Karachi.
- The Deputy Commissioner (all) in Sindh.
- The Superintending Engineer, PHED (all) in Sindh.
- The Executive Engineer, PHE, Division (all) in Sindh.
- PS to Secretary, PHED, Govt. of Sindh, Karachi.
- Additional Secretary, PHED, Govt. of Sindh, Karachi.

  
(ABDUL GHAFFAR SHAIKH)  
Section Officer (Technical)



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NO.E/PHED/ 3080 of 2015.  
**OFFICE OF THE CHIEF ENGINEER,  
PUBLIC HEALTH ENGG: DEPARTMENT  
GOVERNMENT OF SINDH SUKKUR**  
Sukkur, Dated. 09 / 12 /2015.

**OFFICE ORDER.**

In exercise of the power confirmed under Rule 31 of the Sindh Public Procurement Rules 2010. The following committee is hereby constituted to redress grievance / complaints that may arise during procuring proceedings in PHE Division-I Khairpur.

Superintending Engineer, Public Health Engineering Circle Sukkur	Chairman
Executive Engineer Education Works Khairpur	Member
Divisional Accounts Officer Provincial Highway N'Feroze @ Khairpur	Member

The committee shall act in accordance with rule 31 of Sindh Public Procurement Rules 2010 (amended 2013).

D.A/As above.

( RAM CHAND.P.SANJHIRA )

CHIEF ENGINEER,  
PUBLIC HEALTH ENGG: DEPARTMENT,  
GOVT: OF SINDH SUKKUR.

CC. to the

Manager Assessment-IV Sindh Public Procurement Regulatory Authority Karachi for information.

✓ Superintending Engineer, Public Health Engineering Circle Sukkur for information.

✓ Executive Engineer, Public Health Engineering Division-I Khairpur for information.

Executive Engineer, Education Works Khairpur for information.

Divisional Accounts Officer, Provincial Highway N'Feroze @ Khairpur for information.