

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

EMAIL ADDRESS/ xenphed01khp@gmail.com
FAX NO. 0243-9280133

No. GB/TC/KHP 2078 of 2017

KHAIRPUR DT: 18/9 /2017

NOTICE INVITING TENDER

1. The Sealed non-conditional one envelope tenders are invited from eligible contractors for the following works as per SPPRA Rules.

S:No.	Name of Work	Estimated Cost in Million	Earnest Money (5%) in Rupees	Tender Fee in Rupees	Time for Completion
"PROVINCIAL ADP SCHEME 2017-18"					
1.	Construction of Treatment Plant Dada Shah Colony & Naved Colony, Taluka & District Khairpur.	0.325	16,300/-	500/-	06 Months
2.	Construction of Oxidation Pond (100x30) 3 Nos. RCC Sump Well 2 Nos. i/c Interconnection for Drainage Scheme Ghambhir, Taluka & District Khairpur.	0.239	12,000/-	500/-	6 Months
3.	Providing Installing Solar Energy Plant for Energize the Rural Drainage Scheme Ghambhir, Taluka & District Khairpur.	1.350	67,500/-	1500/-	6 Months
4.	Providing Pumping Machinery i/c Inter Connection Rehabilitation Water Supply Scheme Manghanwari, Taluka Kingri, District Khairpur	2.780	1,39,000/-	3000/-	6 Months
5.	Construction of Surface Drains CC Block Treatments works & Providing Laying Jointing Testing PE Rising Main for Drainage Scheme for villages Muhammad Saleh Suhag, Sadique Kanhar, Dinal Shah & Nauraja, Taluka Kingri, District Khairpur	7.200	3,60,000/-	3000/-	12 Months
6.	Supplying Installing & Testing Pumping Machinery i/c Inter Connection & Solar Energy System Drainage Scheme for villages Muhammad Saleh Suhag, Sadique Kanhar, Dinal Shah & Nauraja, Taluka Kingri, District Khairpur	6.179	3,09,000/-	3000/-	12 Months
7.	Construction of Oxidation Ponds for Drainage Scheme for village Hassu Kanhar, Taluka Kingri, District Khairpur	0.235	11,800/-	500/-	6 Months
8.	Construction of RCC Collecting Tank, Screening Chamber, Pump House, Staff Quarter, Surface Drains, CC Block & Paver Block @ Ahmedpur for Drainage Scheme Ahmedpur & Rahooja Taluka Kingri, District Khairpur.	11.273	5,64,000/-	3000/-	12 Months
9.	Construction of Surface Drains, CC Block & Paver Block @ Village Rahooja, for Drainage Scheme Ahmedpur & Rahooja, Taluka Kingri, District Khairpur	11.173	5,59,000/-	3000/-	12 Months
10.	Providing Installing Solar Energy System for Drainage Scheme Malhir Pato, Taluka Kotdiji District Khairpur	2.960	1,48,000/-	3000/-	12 Months
11.	Providing Installing Solar Energy System for Water Supply Scheme Malhir Pato, Taluka Kotdiji District Khairpur	1.345	67,300/-	3000/-	6 Months

CONDITIONS:

2. The interested contractors can purchase the bidding documents (Tenders) on payment of tender fee (Non-Refundable) for the work on any working day, during office hours, with effect from the date of publication upto **09-10-2017** @ 2:00 PM and will be received back on **10-10-2017** upto 03:00 PM & open on the same day.
3. The tenders will be received back from contractors duly filled in all respects with supporting relevant documents shown in eligibility criteria mentioned below attached earnest money in shape of call deposit issued from schedule bank on the same day up to 2:00 PM & will be open within (01) hours in presence of the contractors or their authorized representatives.
4. If the work remains un-responded for the first date the second date of issue bidding documents will be up to **25-10-2017** @ 2:00 PM and receive back on **26-10-2017** upto 2:00 PM and will be opened on the same day within (01) hour in front of above persons in para-3.
5. **The Eligibility criteria for intending contractors are as under:-**

The Firm/ Contractor should submits with following documents.

 - i) The Firm/Contractors should submits with bidding documents current bank statement showing bank balance minimum 25% of Bid cost.
 - ii) The Firm / Contractor submits list of work / work order showing documentary evidence of PHED related works for the same nature having equivalent cost or above executed during last three years along with completion certificate showing date of start and date of completion from the client/ owner.
 - iii) The Firm/ Contractor should submits with bidding documents the registration with Pakistan Engineering Council in relevant category or above for the work tender offered.
 - iv) The Firm/Contractor should submits with bidding documents the certificate from Income Tax Department (NTN Copy), the Sindh Revenue Board (Sales Tax Registration) and the copy of CNIC.
 - v) The Firm/Contractors should submits with bidding documents Affidavit on stamp paper that the Firm/Contractor is not involved in any litigation, Departmental rift, has abandoned or made unnecessary delay in completion of any work in the Government Department, that the firm / contractor has not been black listed previous by any executing agency are true and correct.
 - vi) The Firm / Contractors should submits with bidding documents the financial turnover for last three years with current bank statement confirming cash availability / credit facility to it / him.
6. The Firm / Contractors who submits incomplete bidding documents will be treated as Not Substantially Responsive Bid.
7. Procuring agency reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to award of contract as per provision of (SPP Rules 25).

Note:- This NIT along with bidding documents can be seen and downloaded from SPPRA Website at WWW.PPra.sindh.gov.pk.


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING
DIVISION-I KHAIRPUR

Copy forwarded with compliments for favour of information to :

1. The Director Information (Advertisement), Block-96 Sindh Secretariat Karachi for publication in at least three languages leading Newspapers viz. English, urdu, Sindhi for wide publicity.
2. The Sindh Public Procurement Regulatory Authority, Barrack 8 Secretariat 4A Court Road Karachi Tel: 92-21-99205369 for hoisting on SPPRA's website.
3. The Chief Engineer Public Health Engineering Department Government of Sindh Sukkur.
4. The Superintending Engineer Public Health Engineering Circle Sukkur.
5. The Deputy Commissioner Khairpur.
6. The Assistant Engineer's (All) under Public Health Engineering Division-I, Khairpur.
7. Notice Board.



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 Engineering Division-I Khairpur.
b) Brief Description of Work	Construction of Treatment Plant Dada Shah Colony & Naved Colony, Taluka & District Khairpur.
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 0.325
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	60 Days
g) Security Deposit (Including Bid Security)	10%
h) Percentage if any, to be deducted from bills (Income Tax + Security Deposit)	Income Tax Rs: 7.5% Security Deposit Rs: 10%
i) Deadline for submission of Bids along with time.	
j) Venue, Time and Date of Bid opening	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
k) Time for completion from written order of commence.	06 Months
l) Liquidity Damages	0.05%
m) Deposit Receipt _____ Date _____ Amount _____	
n) D.R No: _____ Date and Amount _____ Rs: _____	
o) Tender issued to _____	

(Authority Issuing Bidding Documents)


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 Engineering Division-I Khairpur.
b) Brief Description of Work	Construction of Oxidation Pond (100x30) 3 Nos. RCC Sump Well 2 Nos. i/c Interconnection for Drainage Scheme Ghambhir, Taluka & District Khairpur.
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 0.239
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	60 Days
g) Security Deposit (Including Bid Security)	10%
h) Percentage if any, to be deducted from bills (Income Tax + Security Deposit)	Income Tax Rs: 7.5% Security Deposit Rs: 10%
i) Deadline for submission of Bids along with time.	
j) Venue, Time and Date of Bid opening	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
k) Time for completion from written order of commence.	06 Months
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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 Engineering Division-I Khairpur.
b) Brief Description of Work	Providing Installing Solar Energy Plant for Energize the Rural Drainage Scheme Ghambhir, Taluka & District Khairpur.
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 1.350
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	60 Days
g) Security Deposit (Including Bid Security)	10%
h) Percentage if any, to be deducted from bills (Income Tax + Security Deposit)	Income Tax Rs: 7.5% Security Deposit Rs: 10%
i) Deadline for submission of Bids along with time.	
j) Venue, Time and Date of Bid opening	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
k) Time for completion from written order of commence.	06 Months
l) Liquidity Damages	0.05%
m) Deposit Receipt _____ Date _____ Amount _____	
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(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 Engineering Division-I Khairpur.
b) Brief Description of Work	Providing Pumping Machinery i/c Inter Connection Rehabilitation Water Supply Scheme Manghanwari, Taluka Kingri, District Khairpur
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 2.780
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	60 Days
g) Security Deposit (Including Bid Security)	10%
h) Percentage if any, to be deducted from bills (Income Tax + Security Deposit)	Income Tax Rs: 7.5% Security Deposit Rs: 10%
i) Deadline for submission of Bids along with time.	
j) Venue, Time and Date of Bid opening	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
k) Time for completion from written order of commence.	06 Months
l) Liquidity Damages	0.05%
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(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 Engineering Division-I Khairpur.
b) Brief Description of Work	Construction of Surface Drains CC Block Treatments works & Providing Laying Jointing Testing PE Rising Main for Drainage Scheme for villages Muhammad Saleh Suhag, Sadique Kanhar, Dinal Shah & Nauraja, Taluka Kingri, District Khairpur
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 7.200
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	90 Days
g) Security Deposit (Including Bid Security)	10%
h) Percentage if any, to be deducted from bills (Income Tax + Security Deposit)	Income Tax Rs: 7.5% Security Deposit Rs: 10%
i) Deadline for submission of Bids along with time.	
j) Venue, Time and Date of Bid opening	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
k) Time for completion from written order of commence.	12 Months
l) Liquidity Damages	0.05%
m) Deposit Receipt _____ Date _____ Amount _____	
n) D.R No: _____ Date and Amount _____ Rs: _____	
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b) Brief Description of Work	Supplying Installing & Testing Pumping Machinery i/c Inter Connection & Solar Energy System Drainage Scheme for villages Muhammad Saleh Suhag, Sadique Kanhar, Dinal Shah & Nauraja, Taluka Kingri, District Khairpur
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 7.200
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	90 Days
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j) Venue, Time and Date of Bid opening	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
k) Time for completion from written order of commence.	12 Months
l) Liquidity Damages	0.05%
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a) Name of Procuring Agency	Executive Engineer Public Health Engineering Division-I Khairpur.
b) Brief Description of Work	Construction of Oxidation Ponds for Drainage Scheme for village Hassu Kanhar, Taluka Kingri, District Khairpur
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 0.235
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	60 Days
g) Security Deposit (Including Bid Security)	10%
h) Percentage if any, to be deducted from bills (Income Tax + Security Deposit)	Income Tax Rs: 7.5% Security Deposit Rs: 10%
i) Deadline for submission of Bids along with time.	
j) Venue, Time and Date of Bid opening	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
k) Time for completion from written order of commence.	06 Months
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a) Name of Procuring Agency	Executive Engineer Public Health Engineering Division-I Khairpur.
b) Brief Description of Work	Construction of RCC Collecting Tank, Screening Chamber, Pump House, Staff Quarter, Surface Drains, CC Block & Paver Block @ Ahmedpur for Drainage Scheme Ahmedpur & Rahooja Taluka Kingri, District Khairpur.
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 11.273
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	90 Days
g) Security Deposit (Including Bid Security)	10%
h) Percentage if any, to be deducted from bills (Income Tax + Security Deposit)	Income Tax Rs: 7.5% Security Deposit Rs: 10%
i) Deadline for submission of Bids along with time.	
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a) Name of Procuring Agency	Executive Engineer Public Health Engineering Division-I Khairpur.
b) Brief Description of Work	Construction of Surface Drains, CC Block & Paver Block @ Village Rahooja, for Drainage Scheme Ahmedpur & Rahooja, Taluka Kingri, District Khairpur
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 11.173
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	90 Days
g) Security Deposit (Including Bid Security)	10%
h) Percentage if any, to be deducted from bills (Income Tax + Security Deposit)	Income Tax Rs: 7.5% Security Deposit Rs: 10%
i) Deadline for submission of Bids along with time.	
j) Venue, Time and Date of Bid opening	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
k) Time for completion from written order of commence.	12 Months
l) Liquidity Damages	0.05%
m) Deposit Receipt _____ Date _____ Amount _____	
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a) Name of Procuring Agency	Executive Engineer Public Health Engineering Division-I Khairpur.
b) Brief Description of Work	Providing Installing Solar Energy System for Drainage Scheme Malhir Pato, Taluka Kotdiji District Khairpur
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 2.960
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	60 Days
g) Security Deposit (Including Bid Security)	10%
h) Percentage if any, to be deducted from bills (Income Tax + Security Deposit)	Income Tax Rs: 7.5% Security Deposit Rs: 10%
i) Deadline for submission of Bids along with time.	
j) Venue, Time and Date of Bid opening	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
k) Time for completion from written order of commence.	12 Months
l) Liquidity Damages	0.05%
m) Deposit Receipt _____ Date _____ Amount _____	
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a) Name of Procuring Agency	Executive Engineer Public Health Engineering Division-I Khairpur.
b) Brief Description of Work	Providing Installing Solar Energy System for Water Supply Scheme Malhir Pato, Taluka Kotdiji District Khairpur
c) Procuring Agency's address	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
d) Estimated Cost	Million: 1.345
e) Amount of Bid Security	5%
f) Period of Bid Validity (Days)	60 Days
g) Security Deposit (Including Bid Security)	10%
h) Percentage if any, to be deducted from bills (Income Tax + Security Deposit)	Income Tax Rs: 7.5% Security Deposit Rs: 10%
i) Deadline for submission of Bids along with time.	
j) Venue, Time and Date of Bid opening	Office of the Executive Engineer Public Health Engineering Division-I Khairpur.
k) Time for completion from written order of commence.	06 Months
l) Liquidity Damages	0.05%
m) Deposit Receipt _____ Date _____ Amount _____	
n) D.R No: _____ Date and Amount _____ Rs: _____	
o) Tender issued to _____	

(Authority Issuing Bidding Documents)


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING
DIVISION-I KHAIRPUR


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

Name of Work: **Construction of Treatment Plant Dada Shah Colony & Naved Colony, Taluka & District Khairpur.**

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: 3,25,000/- |
| 3) Earnest Money @ (5%) | Rs: 16,300/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 26,000/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 32,500/- |
| 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

NAME OF WORK:-

SCHEDULE -B
CONSTRUCTION OF TREATMENT PLANT DADA
SHAH COLONY AND NAVEED COLONY TALUKA &
DISTRICT KHAIRPUR

PART-I

OXIDATION PONDS SIZE 100X55 NOS.

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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non-vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m)(PHSI No.1 P.No.69).

Total = 26657.59 Cft

Qt. 26657.59 Cft

@Rs.3000/-

P%0Cft. Rs.79973/-

2. Earth work compaction (Soft or Ordinary soil) (a) Laying earth in 6" thick leveling & dressing complete CSI No.13 (a) P-3

For Bunds

$$\text{Long Bunds} = 2 \times 160 \times \frac{8 + 20}{2} \times 4.00 = 17920.00 \text{ Cft}$$

$$\text{Short Bund} = 3 \times 100 \times \frac{8 + 20}{2} \times 4.0 = 16800.00 \text{ Cft}$$

Total = 34752.00 Cft

Qt. 34720.00 Cft

@Rs.354/-

P%0Cft.

Rs. 12291/-

- 3.. Barrow pit excavation undressed led up to 100 Rft in ordinary soil (CSI No.3 P.1).

Qt. 8062.00 Cft

@Rs. 2119/50

P%0 Cft.

Rs. 17071/-

- 4 Extra for every 50 ft. additional lead or part thereof for earth work (CSI No.8 P.3)

Qt. 8062.00 Cft

@Rs.5039/-

P%0Cft.

Rs. 40624/-

Total:-

Rs: 149959/-

PART

SUMP Well 5' Dia

1. Excavation in foundation of building bridges and other structure i/c dag belling refilling around the structure with excavated earth watering ramming lead up to one chain and lift up to 5 ft. (CSI. No. 8 P.No. 4)
- Qty. 187.65 Cft. @Rs. 3176/25 P%0 Cft. Rs. 596/-
2. Cement concrete brick or stone ballast 1 1/2" to 2" guage Ratio 1:4:8 (CSI No. 4 P.14)
- Qt. 44.15 Cft @Rs. 9416/28 P% Cft. Rs. 4157/-
3. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making K=joints and fastering i/c cost of binding wire also i/c removal of rust from bars (CSI No.8 P.No.16).
4-5 Lbs/Cft
- Qty. 8.40 Cwt. @Rs. 5001/70 P cwt. Rs. 42,014/-
4. RCC work in roof slab, beams columns rafts, lintels, and other structure members laid in situ of pre cost laid in position complete in all respect 1:2:4. (CSI No.96 P.No.8)
- Qty. 209.19 Cft. @Rs. 337/00 P Cft. Rs. 70,497/-
- Total: - Rs. 1,17,264/-

PART-VII

INTER CONNECTION

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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m) (PH SCHI No.1 P.No.60).
For 12" Dia R.C.C Pipe
- Qt. 672.00 Cft @Rs.3600/- P%0Cft. Rs. 2419/-
2. Providing RCC Pipe (ASTM) C-76-72 T.C 76/70 class-II wall and fixing in trenches cutting and jointing with rubber rings i/c testing with water to a specified pressure. (PHSI No.7 P.No.18).
- Qt. 64.0 Rft @Rs.412/- P-Rft. Rs.26368/-
4. Refilling the excavated stuff in trenches in cement in 6" thick layers i/c watering trimming on full compaction etc complete (PHSI No.24 P.No.53).
- Qt.605.00 Cft @Rs.2760/00 P%0Cft. Rs. 1670 /-
- Total Ras.30457/-


GENERAL ABSTRACT OF COST

PART -I	OXIDATION PONDS	Rs. 149959/-
PART -II	R.C.C SUMP WELL	Rs. 117264/-
PART-III	INTER CONNECTION	Rs. 30457/-
	Total:	Rs. 297680/-

CERTIFICATES

1. Any error or omission in the description of items of works rates original schedule will be correct. Accordingly in the instruction of the Executive Engineer, Public Health Engineering Division-I Khairpur.
2. No premium will be allowed on non-schedule items.
3. The work to be carried out as per PWD/PHE specifications approval rates working estimates.

CONTRACTOR.


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

Name of Work: **Construction of Oxidation Pond (100x30) 3 Nos. RCC Sump Well 2 Nos. i/c Interconnection for Drainage Scheme Ghambhir, Taluka & District Khairpur.**

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: 2,39,000/- |
| 3) Earnest Money @ (5%) | Rs: 12,000/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 19,120/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 23,900/- |
| 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

NAME OF WOK:-

SCHEDULE-B
CONSTRUCTION OF OXIDATION POND (100X30) 3 NOS
RCC SUMP WELL 2 NOS I/C INTER CONNECTION OF
FOR DRAINAGE SCHEME GHAMBHIR TALUKA &
DISTRICT KHAIRPUR

PART- I

OXIDATION PONDS SIZE 100X32 3NOS.

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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non-vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m)(PHSI No.1 P.No.69).
- Qt. 284.75 Cft @Rs.5350/- P%0Cft. Rs.1523/-
3. Earth work compaction (Soft or Ordinary soil) (a) Laying earth in 6" thick leveling & dressing complete CSI No.13 (a) P-3)
- Qt. 13200.00 Cft @Rs.354/- P%0Cft. Rs. 4673/-
- 4.. Barrow pit excavation undressed led up to 100 Rft in ordinary soil (CSI No.3 P.1).
- Qt. 6740.00 Cft @Rs. 2117/50 P%0 Cft. Rs. 14272/-
- .5 Extra for every 50 ft. additional lead or part thereof for earth work (CSI No.8 P.3)
- Qt. 6740.00 Cft @Rs.5039/- P%0Cft. Rs. 33963/-
- Total:- Rs: 72958/-**

PART

SUMP WELL 5' DIA

1. Excavation in foundation of building bridges and other structure i/c dag belling refilling around the structure with excavated earth watering ramming lead up to one chain and lift up to 5 ft. (CSI. No. 8 P.No. 4)
- Qty. 187.65 Cft. @Rs. 3176/25 P%0 Cft. Rs. 596/-
2. Cement concrete brick or stone ballast 1 1/2" to 2" guage Ratio 1:4:8 (CSI No. 4 P.14).
- Qt. 44.15 Cft @Rs. 9416/28 P% Cft. Rs. 4157/-
3. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making K=joints and fastering i/c cost of binding wire also i/c removal of rust from bars (CSI No.8 P.No.16).
- Qty. 8.40 Cwt. @Rs. 5001/70 P cwt. Total Rs. 42,014/-

4. RCC work in roof slab, beams columns rafts, lintels, and other structure members laid in situ of pre cast laid in position complete in all respect 1:2:4. (CSI No.96 P.No.8)

Qty. 209.19 Cft.	@Rs. 337/00	P Cft.	Rs. 70,497/-
			Total: - Rs. 117264/-

PART-VII INTER CONNECTION

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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m) (PH SCHI No.1 P.No.60).
For 12" Dia R.C.C Pipe

Qt. 672.00 Cft	@Rs.3600/-	P%0Cft.	Rs. 2419/-
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2. Providing RCC Pipe (ASTM) C-76-72 T.C 76/70 class-II wall and fixing in trenches cutting and jointing with rubber rings i/c testing with water to a specified pressure. (PHSI No.7 P.No.18).

Qt. 64.00 Rft	@Rs.412/-	P-Rft.	Rs.26368/-
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4. Refilling the excavated stuff in trenches in cement in 6" thick layers i/c watering trimming on full compaction etc complete (PHSI No.24 P.No.53).

Qt.605.00 Cft	@Rs.2760/00	P%0Cft	Rs. 1670/-
			Total Ras.30986/-


GENERAL ABSTRACT OF COST

PART -I	OXIDATION PONDS	Rs. 42014/-
PART -II	R.C.C SUMP WELL	Rs. 117264/-
PART-III	INTER CONNECTION	Rs. 30986/-
	Total:	Rs. 190262/-

CERTIFICATES

1. Any error or omission in the description of items of works rates original schedule will be correct. Accordingly in the instruction of the Executive Engineer, Public Health Engineering Division-I Khairpur.
2. No premium will be allowed on non-schedule items.
3. The work to be carried out as per PWD/PHE specifications approval rates working estimates.

CONTRACTOR.


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING
DIVISION-I KHAIRPUR

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING
DIVISION-I KHAIRPUR


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

Name of Work: Providing Installing Solar Energy Plant for Energize the Rural Drainage Scheme Ghambhir, Taluka & District Khairpur.

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: 13,50,000/- |
| 3) Earnest Money @ (5%) | Rs: 67,500/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 1,08,000/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 1,35,000/- |
| 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

SCHEDULE-B

Name of Work:-

PROVIDING INSTALLING SOLAR ENERGY PLANT FOR
ENERGIZE RURAL DRAINAGE SCHEME GHAMBHIR
TALUKA & DISTRICT KHAIRPUR

PART- I PROVIDING SOLAR POWER SYSTEM FOR 7.50 BHP SUBMERSIBLE PUMP.

1. Supplying installing Commissioning and transportation at site of Solar Modules (PERLIGHT) Mono crystalline 280 watt x 27 Panels
(25 Years warranty of Solar Modules against manufactures defect).
ABB (German) VFO MPPT Solar inverter x1
(1 year for ABB inverter against manufactures defect)
GI Sheet (14 Guage) Panel Frames x 9
AC/DC Wires, Circuit Breakers, Distribution Boards, Instruction and other installation Materials (for 140 feet distance form panel to inverter) including all Taxes (excluding Civil Work).

Qty. 1.00 Set @Rs.127500/- P-Set. Rs.1275000/-

2. Construction of Cement Concrete foundation wall 1:3:6 wall size 10"x3" Height for erection of Solar (R.A attached).


1x18x5.50 = 99.00 Rft.

Qty. 99.00 Rft @Rs.815/- P-Sft. Rs.69894/-
Total Rs.1345000/-

CERTIFICATES

1. Any error or omission in the description of items of works rates original schedule will be correct. Accordingly in the instruction of the Executive Engineer, Public Health Engineering Division-I Khairpur.
2. No premium will be allowed on non-schedule items.
3. The work to be carried out as per PWD/PHE specifications approval rates working estimates.

CONTRACTOR


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING
DIVISION-I KHAIRPUR

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

Name of Work: **Providing Pumping Machinery i/c Inter Connection Rehabilitation Water Supply Scheme Manghanwari, Taluka Kingri, District Khairpur**

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: 27,80,000/- |
| 3) Earnest Money @ (5%) | Rs: 1,39,000/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 2,22,400/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 2,78,000/- |
| 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

SCHEDULE -B

NAME OF WORK:-

**PROVIDING INSTALLING PUMPING MACHINERY I/C INTER
CONNECTION REHABILITATION OF WATER SUPPLY SCHEME
MANGHANWARI TALUKA KINGRI DISTRICT KHAIRPUR**

(D) PUMPING MACHINERY
NON SCHEDULE ITEM

- 1 Providing installing Transportation and testing of Golden-SAER Submersible Pump NR-151 C/10 Type 6" (2 1/2"), with 7.50 BHP 3 Phase Electric Motor Origin Saer-Italy for discharge 90 GPM @ 170 feet Head. with Local made accessories for 40 feet setting as under :
Electric drop cable 20 mm 2-3 core core x 100 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 x1 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: 4.00 Set @Rs: 662000.00 P-Set Rs: 2,648,000 /=

INTER CONNECTION

SCHEDULE ITEMS

- 1 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 ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051 (G S I. No. 1 P.No.25) **110 mm PN-10**

Qty: 40.00 Rft @Rs: 268.00 P.Rft Rs: 10,720 /=

- 2 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: 1.42 Cwt @Rs: 6096.00 P-Cwt Rs: 8,656 /=

- 3 C.I. Toppers flat bottomed or central tapered flanged edges with holes i/c turning, facing flanged for all size (SRM I-No. 8 (b) P-11)

Qty: 0.53 Cwt @Rs: 6096.00 P-Cwt Rs: 3,231 /=

- 4 Butt Fusion Joint (SM I-No. HP-No 18)

Qty: 24 Nos @Rs: 1000.00 Each Rs: 24,000 /=

- 5 C.I Sluice valve heavy pattern (Test Pressure 21.0 kg/sq.com or 300 ib/sq.inch) (imported) (SMI No.2 P-11)

4" Dia

Qty: 4 Nos @Rs: 5460.00 Each Rs: 21,840 /=

- 6 Reflex valve heavy pattern (Test Pressure 21 kg/sq.com or 300 lbs/sq.inch) (imported) (SMI No. 6 P-11)

4" Dia

Qty: 4 Nos @Rs: 1706.25 Each Rs: 6,825 /=

- 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

Qty: 24.00 Nos @Rs: 513.00 P.Joint Rs: 12,312 /=
Total Rs: 87,584 /=

NON SCHEDULE ITEM

- 1 Providing / fixing M.S flange made out of M.S sheet

4" Dia

Qty: 24 Nos @Rs: 596.75 Each Rs: 14,322 /=

- 2 Flange Adopter **4" Dia**

Qty: 24.00 Nos @Rs: 1215.00 Each Rs: 29,160 /=
Total Rs: 43,482 /=

GENERAL ABSTRACT

S. No.	Item of Work	Schedule Items	Non-	Total
	1. Pumping Machinery	***	2,648,000	2648000
	2. Inter Connection	87584	43,482	28403
	Total:	87584	2,691,482	2676403

- Any error ommission in the description of itmes of & rates original schedule will be correct accordingly in the instrucion of the Executive Engineer PHE Division-I Khairpur
- No Premium will be allowed on Non Schedule items.
- The Work will be carred out as per PWD / PHE specifcaiton approval rates working

CONTRACTOR


 EXECUTIVE ENGINEER
 PUBLIC HEALTH ENGINEERING
 DIVISION-I, KHAIRPUR

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

Name of Work: **Construction of RCC Collecting Tank, Screening Chamber, Pump House, Staff Quarter, Surface Drains, CC Block & Paver Block @ Ahmedpur for Drainage Scheme Ahmedpur & Rahooja Taluka Kingri, District Khairpur.**

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: 1,12,73,000/- |
| 3) Earnest Money @ (5%) | Rs: 5,64,000/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 9,02,000/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 11,27,300/- |
| 6) Time of Completion. | (12) 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: CONSTRUCTION OF RCC COLLECTING TANK, SCREENING CHAMBER, PUMP HOUSE, STAFF QUARTER, SURFACE DRAINS, C.C BLOCK AND PAVER BLOCK AT AHMEDPUR FOR DRAINAGE SCHEME AHMEDPUR & RAHOOJA TALUKA KINGRI DISTRICT KHAIRPUR.

S No.	Qty:	Item of Work	Rate	Unit	Amount
<u>PART-I RCC COLLECTING TANK 15' FT DIA</u>					
1		Excavation of well in dry soil up to 20" ft. below ground level and disposal of soil within one chain (CSI No.1 P.-86) (a) in ordinary soil or sand)			
	✓ Qty: 1570.00	✓ Cft.	✓ @Rs: 2247.58	✓ P%o Cft.	✓ Rs: 3529 /=
2		RCC work in roof slab beam cloumns rafts lintels and other structure member laid in citu or pre cost laid in position making complete in all respect Ratio 1:2:4 lbs. of cement Cft. Of sand 4 Cft. of shingle 1/2 to 1/4 guage (CSI No.6 P-17)			
	✓ Qty: 986.74	✓ Cft.	✓ @Rs: 337.00	✓ P.Cft.	✓ Rs: 332531 /=
3		Fabrication of mild steel reinforcement for cement concrete i/c cutting hendign laying in position making joints and fastening i/c cost of binding wire (also includes removal of rust from bars (CSI No.8 (b) P-17, Qt: of curb = 259.50 (-)52 =207.4			
	✓ Qty: 41.08	✓ cwt	✓ @Rs: 5001.70	✓ P.cwt	✓ Rs: 205470 /=
4		Wet sinking of wells for depth below spring level by means driving i/c all charges for shorting loading and removing excavated material one chain (CSI No.3 P-87) a)0-5' depth			
	✓ Qty: 1202.03	✓ Cft.	✓ @Rs: 11763.80	✓ P%o Cft.	✓ Rs: 14140 /=
		b)5'-10' depth			
	✓ Qty: 1202.03	✓ Cft.	✓ @Rs: 24200.0	✓ P%o Cft.	✓ Rs: 29089 /=
		c)10'-15' depth			
	✓ Qty: 480.81	✓ Cft.	✓ @Rs: 37230.77	✓ P%o Cft.	✓ Rs: 17901 /=
5		Providing construction joints in concrete work of 9" (225mm)wide corrugated PVC water stop (with bulbs) i/c soldering cost of materials and labour (PHSI No.1 P-56)			
	✓ Qty: 100.48	✓ rft	✓ @Rs: 86.00	✓ P.rft	✓ Rs: 8641 /=

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

Qty: 371.65 Cft. @Rs: 9416.28 %Cft. Rs: 34996 /=

7 Cement concrete plain compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (CSI No.5 P-16)

a) Ratio 1:4:8

Qty: 176.62 Cft. @Rs: 11288.75 %Cft. Rs: 19938 /=

b) Ratio 1:3:6

Qty: 176.62 Cft. @Rs: 12595.0 %Cft. Rs: 22245 /=

c) Ratio 1:2:4

Qty: 176.62 Cft. @Rs: 14429.25 %Cft. Rs: 25485 /=

8 Bailing or pumping out sub soil water during excavation concreting cost in sity concrete or masonary work in foundation etc (1) onely three operations to be allowed trench volume under water to be measured first time for concreting and second tome for cost in citu or masonary work in foundation etc. (CSI No.18 P-75)

Qty: 3355.87 Cft. @Rs: 543.00 %Cft. Rs: 18222 /=

Total: Rs: 732187 /=

PART-II SCREENING CHEMBER (8'x5')

1 Excavation in foundation of building bridges & other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lead, up to one chain & lift upto 5''ft (CSI-No:18, P-No:4) In Ordinary soil.

Qty: 647.06 cft @Rs: 3176.25 P.%ocft Rs: 2,055 /=

2 Extra for wet earth work.(CSI NO. 15 P-3)

Qty: 415.43 cft @Rs: 1058.75 P.%ocft Rs: 440 /=

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

Qty: 73.31 Cft. @Rs: 9416.28 %Cft. Rs: 6903 /=

4 RCC work in roof slab beam cloumns rafts lintels and other structure member laid in citu or pre cost laid in position making complete in all respect Ratio 1:2:4 lbs. of cement Cft. Of sand 4 Cft. of shingle 1/2 to 1/4 guage (CSI No.6 P-17)

Qty: 225.75 Cft. @Rs: 337.00 P.Cft. Rs: 76078 /=

5 Fabrication of mild steel reinforcement for cement concrete i/c cutting hendign laying in position making joints and fastening i/c cost of binding wire (also includes removal of rust from bars (CSI No.8 (b) P-17; Qt: of curb = 84.78 (-)14.70 =70.06

Qty: 9.07 cwt @Rs: 5001.70 P.cwt Rs: 45365 /=

6 Pacca brick work in foundation and plinth in cement sand mortar (CSI No.4 (e) P-21)

Qty: 10.14 Cft. @Rs: 11948.36 %Cft. Rs: 1212 /=

7 Cement plaster (1:4) upto 20' ft height 1/2 thick (CSI No.11 P-52)

Qty: 38.68 Sft. @Rs: 2283.93 P%Sft.. Rs: 883 /=

8 Small iron work such as gussed in best plate knees bends strops sings etc i/c cutting drilling riveting handling assembling and fixing excluded erection and in position (covers of catch pits). (CSI NO. 1, P. NO. 96).

Qty: 1.75 Cwt @Rs: 6420.61 P.Cwt. Rs: 11236 /=

9 Erection and fitting in position of iron trusses staging of water tank etc (CSI No..3 P-91)

Qty: 1.750 cwt @Rs: 271.04 P.cwt Rs: 474 /=

Total Rs: 144646 /=

PART-III INTER CONNECTION

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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m)

Qty: 140.00 Cft. @Rs: 3600.00 %o Cft. Rs: 504 /=

2 Excavation for pipe lines in trenches. And pits in wet soil clay or mud i/c trimming and dressing sides to true alignment and shape levelling of heds of trenches ot correct level and grade. cutting joint holes and disposal of surplus earth within a one chain as directed y engineering incharge. Providing lence guards. Lights. Flages and temporary crossing for non vehicular traffic where ever required lift upto 5 ft and lead upto one chain (PHSI-No:14, P-No:66)

Qty: 28.00 Cft. @Rs: 5950.00 %o Cft. Rs: 167 /=

- 3 Providing RC.C pipe of A.S.T.M -76-62-T/C -76-70 Calss II wall B and fixing in trnch i/c cutting fitting and jointing with rubber rings i/c testing with water to specified pressure (PHSI-No:1 (b) P-No:17)

15" Dia

Qty: 8.00 rft @Rs: 515.00 Prft Rs: 4120 /=

- 4 Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete (PHSI-No:24, P-No:77)

Qty: 151.20 rft @Rs: 2760.00 P%o.rft Rs: 417 /=

Total: Rs 5208 /-

PART- IV PUMP HOUSE 10 x 12

- 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: 188.00 Cft. @Rs: 3176.25 %o Cft. Rs: 597 /=

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

Qty: 83.88 Cft. @Rs: 9416.28 % Cft. Rs: 7,898 /=

- 3 Pacca brick work in foundation plinth in cement sand mortar (1:6)(CSI.No: 4 P.No: 23)

Qty: 304.80 Cft. @Rs: 11948.36 % Cft. Rs: 36,419 /=

- 4 D.P.C (cement sand & shingle (1:2:4) i/c two coats of miax phlat mixture (CSI No 16(d) P-42)

Qty: 53.08 sft @Rs: 4982.18 %Sft. Rs: 2,645 /=

- 5 Pacca Brick work in ground floor including stricking of joints cement sand motor motor 1:6 (CSI No: 5 P-No; 24)

Qty: 308.63 Cft. @Rs: 12674.36 %Cft. Rs: 39,116 /=

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: 105.36 Cft.	@Rs: 337.00	P.Cft.	Rs: 35,506 /=
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: 4.233 cwt	@Rs: 5001.70	P.Cwt	Rs: 21,173 /=
8	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 /=
9	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: 391.24 Cft.	@Rs: 1512.50	%o Cft.	Rs: 592 /=
10	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 erection in position. (CSI NO. 2, P. NO. 96)	Qty: 4.41 cwt	@Rs: 4928.49	P.Cwt	Rs: 21,735 /=
11	Errection and rolled steel beams of old slabs in roof etc errection fixing in position (CSI-No-1 page 96)	Qty: 4.41 cwt	@Rs: 271.04	P.Cwt	Rs: 1,195 /=
12	Preparing surface painting 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 /=
13	Cement Pointing struck joints on walls (1:3) (CSI No: 19 P-No: 58)	Qty: 448.00 sft	@Rs: 1213.58	P.%Sft.	Rs: 5,437 /=

14	Cement plaster (1;6) upto 20' ft height (1/2" thick) (CSI No: 1 P-58)	✓	✓	✓	✓
Qty:	593.92 sft	@Rs: 2206.60	P.%Sft.	Rs:	13,105 /=
15	Cement plaster (1;4) upto 20' ft height (3/8" thick) (CSI No: 11 P-58)	✓	✓	✓	✓
Qty:	593.92 sft	@Rs: 2197.52	P.%Sft.	Rs:	13,052 /=
16	Priming coat of chalk distemper (CSI No. 23 P-No. 53)	✓	✓	✓	✓
Qty:	797.92 sft	@Rs: 442.75	P.%Sft.	Rs:	3,533 /=
17	Destempering two coats (CSI No: 24(b) P-53)	✓	✓	✓	✓
Qty:	797.92 sft	@Rs: 1043.90	P.%Sft.	Rs:	8,329 /=
18	Providing and laying 1" thick topping cement concrete (1:2:4) i/c surface fixing and deriding in to panels 3" thick (CSI No. 16 P.No 420)	✓	✓	✓	✓
Qty:	111.78 sft	@Rs: 4411.82	P.%Sft.	Rs:	4,932 /=
				Total	Rs 221,797 /=

PART- V STAFF QUARTER

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:	285.00 Cft	@Rs: 3176.25	P.% Cft	Rs:	905 /=
2	Cement concrete brick or stone ballast 1 1/2" to 2" guage Ratio 1:4:8 (CSI No:4, P-No:16)	✓	✓	✓	✓
Qty:	137.59 Sft	@Rs: 9416.28	P.% Cft	Rs:	12,975 /=
3	Pacca brick work in foundation plinth in cement sand mortar (1:6)(CSI.No: 4 P.No: 23)	✓	✓	✓	✓
Qty:	461.29 Cft.	@Rs: 11948.36	% Cft.	Rs:	55,117 /=
4	Damp proof course of cement sand and shingle concrete 1:2:4 i/c two coats of asphalted mixture 3" thick. (CSI No.28 P.No.19)	✓	✓	✓	✓
Qty:	80.80 Sft	@Rs: 4982.18	P.%Sft	Rs:	4,026 /=

5	Pacca Brick work in ground floor including striking of joints cement sand mortar 1:6 (CSI No: 5 P-No: 24)	Qty: 333.09 Cft.	@Rs: 12674.36	% Cft.	Rs: 42,218 /=
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 1/2 to 3/4 gauge (CSI No: 6 P-No: 17)	Qty: 186.37 Cft	@Rs: 337.00	P-cft	Rs: 62,807 /=
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: 7.48 Cwt	@Rs: 5001.70	P-Cwt	Rs: 37,413 /=
8	Cement Plaster (1:6) upto 12 height 1/2" thick (CSI-No:1, P-No:58)	Qty: 810.05 Sft	@Rs: 2206.60	P.%Sft	Rs: 17,875 /=
9	Cement plaster (1:4) upto 12 ft height (3/8" thick) (CSI-No:13-b, P-No:52)	Qty: 810.05 Sft	@Rs: 2197.52	P.%Sft	Rs: 17,801 /=
10	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 erection in position. (CSI NO. 2, P. NO. 96)	Qty: 4.24 Cwt	@Rs: 4928.49	P-Cwt	Rs: 20,897 /=
11	Errection & fitting in position of drain trenches staging of water tank etc (CSI No.3 P-91)	Qty: 4.24 Cwt	@Rs: 271.04	P-Cwt	Rs: 1,145 /=
12	Cement Pointing struck joints on walls (1:3) (CSI No: 19 P-No: 58)	Qty: 491.31 Sft	@Rs: 1213.58	P.%Sft	Rs: 5,962 /=

13	Providing and laying 1" thick CC topping surface finishing and dividing to pancls (SCI No: P-) 3" THICK	✓	✓	✓	✓
	Qty: 177.46 Sft @Rs: 4411.82	P.%Sft	Rs: 7,829	/=	
14	Preparing surface painting of doors and windows any type i/c edge (CSI-No:4-c, P-No:68) Three coats	✓	✓	✓	✓
	Qty: 104.00 Sft @Rs: 2116.41	P.%Sft	Rs: 2,201	/=	
15	Priming coat of chalk distemper (CSI No. 23 P-No. 53)	✓	✓	✓	✓
	Qty: 1128.05 Sft @Rs: 442.75	P.%Sft	Rs: 4,994	/=	
16	Destempering two coats (CSI No: 24(b) P-53)	✓	✓	✓	✓
	Qty: 1128.05 Sft @Rs: 1043.90	P.%Sft	Rs: 11,776	/=	
17	Supplying & fixing in position iron / steel grell using solid squire bars of size 3/4" x 1/4" size etc complete (CSI No 20.P-93)	✓	✓	✓	✓
	Qty: 24.00 Sft @Rs: 180.50	P.Sft	Rs: 4,332	/=	
			<u>Rs: 310,273</u>	/=	

PART - VI SURAFCE DRAINS

AHMEDPUR

1	Excavation in foundation of building bridges & other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lead, up to one chain & lift upto 5"ft (CSI-No:18, P-No:4) In Ordinary soil.	✓	✓	✓	✓
	Qty: 16155.00 cft @Rs: 3176.25	P.%ocft	Rs: 51,312	/=	
2	Cement concrete plain i/c placing compacting finishing and curring complete i/c Screening & washing of stone aggregates without shuttering. (CSI.No:5(i) P.No:16)				
a)	<u>Ratio 1:4:8</u>	✓	✓	✓	✓
	Qty: 2677.25 cft @Rs: 11288.75	P.%cft	Rs: 302,228	/=	
3	Pacca brick work in foundation plinth in cement sand mortor (1:6) (CSI.No:4 (e)P.No:20)	✓	✓	✓	✓
	Qty: 10265.63 cft @Rs: 11948.36	P.%cft	Rs: 1,226,574	/=	

4	Constt: of standard of open drains cunette block of cement concrete (1.2.4.) in situ to The design profile i/c cost of mould as per drawing i/c applying floating coat of cement 1/32"inch thick to exposed face finished smooth curing etc complete (as per detail drawing) (PHSI No. D (I) P-58)			
	Type I			
	Qty: 2050.00 rft	@Rs: 94.00	P.rft	Rs: 192,700 /=
	Type II			
	Qty: 1300.00 rft	@Rs: 174.00	P.rft	Rs: 226,200 /=
	Type III			
	Qty: 400.00 rft	@Rs: 309.00	P.rft	Rs: 123,600 /=
5	Cement plaster 1:4 upto 20" height 1/2 thick (C.S.I No11 (b) .P No 52)			
	Qty: 11106.00 sft	@Rs: 2283.93	P.%sft	Rs: 253,653 /=
6	R.C.C work in roof, slabs, beams, columns raft lintel & other structural members laid in situ or preCost lead position complete in all respect Ratio (1:2:4) (C.S.I No: 6 (a)(i) P.No: 16)			
	Qty: 1862.12 cft	@Rs: 337.00	P,cft	Rs: 627,534 /=
7	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints & fastening i/c cost of binding wire also removal of rust from bars (C.S.I No: 8(b), PNo:17)			
	Qty: 66.50 cwt	@Rs: 5001.70	P.cwt	Rs: 332,613 /=
			Total	Rs: 3,336,414 /=

PART - VII

C.C BLOCK

Drainage Scheme Ahmedpur

1	Borrow pit excavation dressed lead upto 100 ft ordinary soil (CSI .No: 3 (a) P. No:1)			
	Qty: 4600.00 cft	@Rs: 2117.50	P.%ocft	Rs: 9,741 /=
2	Earth work compaction (soft ordinary or hard soil) laying earth in 6" layer and dressing complete (CSI No: 13 P-3)			
	Qty: 4600.00 cft	@Rs: 263.00	P.%ocft	Rs: 1,210 /=
3	Extra for every 50" ft additional lead or part there of (C.S.I No:8(a)P-3) Total lead $(\frac{2600-100}{50}) = 50$ Leads @Rs: 30/40 per lead 1520/= %o cft			
	Qty: 4600.00 cft	@Rs: 502.52	P.%ocft	Rs: 23,116 /=

4	Cement concrete brick or stone ballast 1-1/2" 2" gague (CSI.No:4 P.No: 17) Ratio: 1:4:8	Qty: 3036.00 cft	@Rs: 9416.28	P.%cft	Rs: 285,878 /=
5	Cement concrete plain i/c placing comacting finishing and curring complete i/c screening and washing of stone aggregate (CSI.No:5 P.No: 17) Ratio: 1:2:4	Qty: 2300.00 cft	@Rs: 14429.25	P.%cft	Rs: 331,873 /=
6	Errection & removal of centring for R.C.C or plain C.C of partal wool (C.S.I.No:18 P.No: 20)	Qty: 230.00 Sft	@Rs: 3127.41	P.%cft	Rs: 7,193 /=
Total:					Rs: 659,011 /=

PART-VIII C.C PAVER BLOCK


1	Hard murrum or fine powder murrum (Sch: of mat I No. 71 P-No. 4)	Qty: 4420.00 cft	@Rs: 1800.00	P.%cft	Rs: 79,560 /=
2	Providing & Fixing cement paving blocks flooring having size of 197x97x60(mm) Of city/quddra/cobble shape with national colour, having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner/ pattern and design etc: complete (CSI.No. 72 P. No. 48)	Qty: 17680.00 sft	@Rs: 199.77	P.sft	Rs: 3,531,934 /=
3	Cement concrete plain i/c placing comacting finishing and curring complete i/c screening and washing of stone aggregate (CSI.No:5 P.No: 17) Ratio 1:2:4	Qty: 267.25 cft	@Rs: 14429.25	P.%cft	Rs: 39,861 /=
4	Errection & removal of centring for R.C.C or plain C.C of partal wool (C.S.I.No:18 P.No: 20) Vertical	Qty: 552.50 Sft	@Rs: 3127.41	P.% Sft	Rs: 17,279 /=
Total					Rs: 3,668,634 /=

GENERAL ABSTRACT

S.N o.	Name of Work	Schedule	Non Schedule	G. Total
1	RCC COLLECTING TANK	Rs 732,187	✓	Rs 732,187 /=
2	RCC SCREEN CHAMBER	Rs 144,646	✓	Rs 144,646 /=
3	INTER CONNECTION	Rs 5,208	✓	Rs 5,208 /=
4	PUMP HOUSE (10 X 12)	Rs 221,797	✓	Rs 221,797 /=
5	STAFF QUARTER	Rs 310,273	✓	Rs 310,273 /=
6	SURFACE DRAINS	Rs 3,336,414	✓	Rs 3,336,414 /=
7	C.C BLOCK	Rs 659,011	✓	Rs 659,011 /=
8	C.C PAVER BLCOK	Rs 3,668,634	✓	Rs 3668634 /=
G.TOTAL =		Rs 9078170	✓	Rs 9078170 /=

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

CONTRACTOR


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING
DIVISION-I, KHAIRPUR

Checked


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

Name of Work: Construction of Oxidation Ponds for Drainage Scheme for village Hassu Kanhar, Taluka Kingri, District Khairpur

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: 2,35,000/- |
| 3) Earnest Money @ (5%) | Rs: 11,800/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 18,800/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 23,500/- |
| 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:-

CONSTRUCTION OF OXIDATION PONDS FOR DRAINAGE SCHEME FOR VILLAGE HASSU KANHAR TALUKA KINGRI DISTRICT KHAIRPUR

PART-I OXIDATION PONDS

1	Excavation for tanks and reservoirs 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non-vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m)(PHSI No.1 P-67)	Qty: 18550.75 Cft	@Rs: 3000.00	P%0 Cft	Rs: 55,652 /=
2	Excavation for tanks and reservoirs 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non-vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m). Add for additional lead of every one chain or part there of in item No.1 to 15 (A&B) for excavation for pipe lines and storage tanks trenches and pits. (PHSI 17 P-75)	Qty: 1524.75 Cft	@Rs: 3550.00	P%0 Cft	Rs: 5,413 /=
3	Earth work compaction (Soft or Ordinary soil) (a) Laying earth in 6" thick leveling & dressing complete CSI No.13 (a) P-3)	Qty: 18450.00 Cft	@Rs: 354.00	P%0 Cft	Rs: 6,531 /=
				Total	Rs: 67,596 /=

PART-II SUMP WELL 5' DIA

1	Excavation in foundation of Building Bridges and other structure including dagbelling dressing, refilling around structure with excavated earth watering and ramming lead upto 5ft. (CSI No.18 P.No.4)	Qty: 187.65 Cft	@Rs: 3176.25	P%0 Cft	Rs: 596 /=
2	Cement concrete brick or stone ballast 1 1/2" to 2" guage Ratio 1:4:8 (CSI No. 4 P.14).	Qty: 44.15 Cft	@Rs: 9416.28	P%0 Cft	Rs: 4,157 /=

- 3 Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making K= joints and fastening i/c cost of binding wire also i/c removal of rust from bars (CSI No.8 P.No.16).

Qty: 8.40 Cwt @Rs: 5001.70 P-Cwt Rs: 42,014 /=

- 4 RCC work in roof slab, beams columns rafts, lintels, and other structure members laid in situ of pre cast laid in position complete in all respect 1:2:4. (CSI No.96 P.No.8)

Qty: 209.19 Cft @Rs: 337.00 P-Cft Rs: 70,497 /=

Total Rs: 117,265 /=

PART-III INTER CONNECTION

- 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m) (PH SCHI No.1 P.No.60).

Qty: 672.00 Cft @Rs: 3600.00 P%0 Cft Rs: 2,419 /=

- 2 Providing RCC Pipe (ASTM) C-76-72 T.C 76/70 class-II wall and fixing in trenches cutting and jointing with rubber rings i/c testing with water to a specified pressure. (PHSI No.7 P.No.18).

Qty: 64.00 Rft @Rs: 412.00 P-Rft Rs: 26,368 /=

- 3 Refilling the excavated stuff in trenches in cement in 6" thick layers i/c watering trimming on full compaction etc complete (PHSI No.24 P.No.53).

Qty: 605.00 Cft @Rs: 2760.00 P%0 Cft Rs: 1,670 /=

Total Rs: 30,457 /=

GENERAL ABSTRACT

S. No.	Item of Work	Schedule Items	Non-	Total
1	Oxidation Ponds	67596		67596
2	Sump Well	117265		117265
3	Inter Connection	30457		30457
Total:		215318	-	215318

- 1 Any error omission in the description of itmes of & rates original schedule will be correct accordingly in the instrucion of the Executive Engineer PHE Division-I Khairpur
- 2 No Premium will be allowed on Non Schedule items.
- 3 The Work will be carred out as per PWD / PHE specifcaiton approval rates working

CONTRACTOR

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING
DIVISION-I, KHAIRPUR

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

Name of Work: Providing Installing Solar Energy System for Drainage Scheme Malhir Pato,
Taluka Kotdiji District Khairpur

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: 29,60,000/- |
| 3) Earnest Money @ (5%) | Rs: 1,48,000/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 2,36,800/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 2,96,000/- |
| 6) Time of Completion. | (12) 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:

PROVIDING INSTALLING SOLAR ENERGY SYSTEM FOR
WATER SUPPLY SCHEME MALHIR PATO, TALUKA KOTDIJI,
DISTRICT KHAIRPUR

S No.	Qty:	Item of Work	Rate	Unit	Amount
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SOLAR POWER SYSTEM FOR 5.5 HP SUBMERSIBLE PUMP

NON SCHEDULE ITEMS

1	Supplying installing, Commissioning and Transportatiion at site of solar Modules (Perlight) Mono Crystalline 280 watt x 18 panels (25 years warranty of Solar Modules against manufactures defect ABB (German) VFD MPPT Solar Inverter x 1 (1 Year for ABB Inverter against manufactures defect) G.I Sheet (14 Guage) Panel Frames x 6 A.C /DC wires, Circuit Breakers, Distribution Boards, Insulation and other Installation Materials (for 140 feet0 distance from Panel to inverter).including all Taxes (excluding Civil work)					
	Qty: 3 set	@Rs: 940,000	P.set	Rs: 2,820,000	/=	
2	Construction of CC Foundation 1:3:6 wall size 10" x 3' Height for Errection of Solar Panels (RA Attached					
	Qty: 198.00 rft	@Rs: 706.00	P.rft	Rs: 139,780	/=	
			Total	Rs: 2,959,780	/=	

GENERAL ABSTRACT

S.No.	Name of Work	Schedule Item	Non Sched	G. Total
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1	SOLAR POWER SYSTEM FOR 5.5 HP SUB MERSIBLE PUMP	Rs: ---	Rs: 2,959,780	Rs: 2959780
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G.Total Rs: --- Rs: 2959780 Rs: 2959780

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

CONTRACTOR


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING DIVISION - I
KHAIRPUR


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

Name of Work: Providing Installing Solar Energy System for Water Supply Scheme Malhir Pato, Taluka Kotdiji District Khairpur

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: 13,45,000/- |
| 3) Earnest Money @ (5%) | Rs: 67,300/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 1,07,600/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 1,34,500/- |
| 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:

PROVIDING INSTALLING SOLAR ENERGY SYSTEM FOR
DRAINAGE SCHEME MALHIR PATO, TALUKA KOTDIJI,
DISTRICT KHAIRPUR

S No.	Qty:	Item of Work	Rate	Unit	Amount
<u>SOLAR POWER SYSTEM FOR 7.5 HP SULLAGE PUMP</u>					
1		Supplying installing, Commissioning and Transportatiion at site of solar Modules (Perlight) Mono Crystalline 280 watt x 27 panels (25 years warranty of Solar Modules against manufactures defect ABB (German) VFD MPPT Solar Inverter x 1 (1 Year for ABB Inverter against manufactures defect) G.I Sheet (14 Guage) Panel Frames x 9 A.C /DC wires, Circuit Breakers, Distribution Boards, Insulation and other Installation Materials (for 140 feet0 distance from Panel to inverter).including all Taxes (excluding Civil work)			
	Qty: 1	set	@Rs: 1,275,000	P.set	Rs: 1,275,000 /=
2		Construction of CC Foundation 1:3:6 wall size 10" x 3' Height for Errection of Solar Panels (RA Attached			
	Qty: 99.00	rft	@Rs: 706.00	P.rft	Rs: 69,894 /=
Total					Rs: 1,344,894 /=

GENERAL ABSTRACT

S.No.	Name of Work	Schedule Item	Non Sched	G. Total
1	SOLAR POWER SYSTEM FOR 7.5 HP SULLAGE PUMP	Rs: ---	Rs: 1,344,894	Rs: 1344894
G.Total		Rs: ---	Rs: 1344894	Rs: 1344894

- 1 Any error commission in the description of itme of work rates original schedule B correct accordingly in the instrucion 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 specificaiton approval rates working

CONTRACTOR


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING DIVISION - I
KHAIRPUR

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

Name of Work: Construction of Surface Drains CC Block Treatments works & Providing Laying Jointing Testing PE Rising Main for Drainage Scheme for villages Muhammad Saleh Suhag, Sadique Kanhar, Dinal Shah & Nauraja, Taluka Kingri, District Khairpur

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: 72,00,000/- |
| 3) Earnest Money @ (5%) | Rs: 3,60,000/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 5,76,000/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 7,20,000/- |
| 6) Time of Completion. | (12) 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:-

**CONSTRUCTION OF SURFACE DRAINS, C.C BLOCK,
TREATMENT WORKS AND PROVIDING LAYING JOINTING
TESTING P.E RISING MAIN FOR DRAINAGE SCHEME FOR
VILLAGE MOHAMMAD SALEH SUHAG, SADIQ KANHAR,
DINAL SHAH & NAURAJA TALUKA KINGRI DISTRICT
KHAIRPUR**

PART - I SURAFCE DRAINS

- | | | | |
|----|---|---------------|------------------|
| 1 | Excavation in foundation of building bridges & other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lead, up to one chain & lift upto 5''ft (CSI-No:18, P-No:4) In Ordinary soil. | | |
| | Qty: 9256.50 cft | @Rs: 3176.25 | Rs: 29,401 /= |
| 2 | Cement concrete plain i/c placing compacting finishing and curring complete i/c Screening & washing of stone aggregates without shuttering. (CSI.No:5(i) P.No:16) | | |
| a) | <u>Ratio 1:4:8</u> | | |
| | Qty: 2314.13 cft | @Rs: 11288.75 | Rs: 261,236 /= |
| 3 | Pacca brick work in foundation plinth in cement sand mortar (1:6) (CSI.No:4 (e)P.No:20) | | |
| | Qty: 6445.13 cft | @Rs: 11948.36 | Rs: 770,087 /= |
| 4 | Constt: of standard of open drains cunette block of cement concrete (1.2.4.) in situ to The design profile i/c cost of mould as per drawing i/c applying floating coat of cement 1/32''inch thick to exposed face finished smooth curing etc complete (as per detail drawing) (PHSI No. D (I) P-58)
Type I | | |
| | Qty: 3825.00 rft | @Rs: 94.00 | Rs: 359,550 /= |
| 5 | Cement plaster 1:4 upto 20'' height ½ thick (C.S.I No11 (b) .P No 52) | | |
| | Qty: 6961.50 sft | @Rs: 2283.93 | Rs: 158,996 /= |
| 6 | R.C.C work in roof, slabs, beams, columns raft lintel & other structural members laid in situ or preCost lead position complete in all respect Ratio (1:2:4) (C.S.I No: 6 (a)(i) P.No: 16) | | |
| | Qty: 1587.38 cft | @Rs: 337.00 | Rs: 534,947 /= |
| 7 | Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints & fastening i/c cost of binding wire also removal of rust from bars (C.S.I No: 8(b), PNo:17) | | |
| | Qty: 56.69 cwt | @Rs: 5001.70 | Rs: 283,546 /= |
| | | Total | Rs: 2,397,762 /= |

PART - II**C.C BLOCK**

1	Borrow pit excavation dressed lead upto 100 ft ordinary soil (CSI.No: 3 (a) P. No:1)				
	Qty: 7703.75 cft	@Rs: 2117.50	P.%ocft	Rs: 16,313	/=
2	Earth work compaction (soft ordinary or hard soil) laying earth in 6" layer and dressing complete (CSI No: 13 P-3)				
	Qty: 16960.00 cft	@Rs: 263.00	P.%ocft	Rs: 4,460	/=
3	Extra for every 50" ft additional lead or part there of (C.S.I No:8(a)P-3) Total lead $(\frac{2600-100}{50}) = 50$ Leads @Rs: 30/40 per lead 1520/= %o cft				
	Qty: 7703.75 cft	@Rs: 502.52	P.%cft	Rs: 38,713	/=
4	Cement concrete brick or stone ballast 1-1/2" 2" gague (CSI.No:4 P.No: 17) <u>Ratio: 1:4:8</u>				
	Qty: 5596.80 cft	@Rs: 9416.28	P.%cft	Rs: 527,010	/=
5	Cement concrete plain i/c placing comacting finishing and curring complete i/c screening and washing of stone aggregate (CSI.No:5 P.No: 17) <u>Ratio: 1:2:4</u>				
	Qty: 4240.00 cft	@Rs: 14429.25	P.%cft	Rs: 611,800	/=
6	Errection & removal of centring for R.C.C or plain C.C of partal wool (C.S.I.No:18 P.No: 20)				
	Qty: 530.00 Sft	@Rs: 3127.41	P.%cft	Rs: 16,575	/=
				Total: Rs:	1,214,871 /=

PART-**OXIDATION PONDS****NAURAJA**

1	Excavation for tanks and reservoirs 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non-vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m)(PHSI No.1 P.No: 67)				
	Qty: 30785.15 Cft	@Rs: 3000.00	P%0 Cft	Rs: 92,355	/=

- 2 Excavation for tanks and reservoirs 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non-vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m). Add for additional lead of every one chain or part there of in item No.1 to 15 (A&B) for excavation for pipe lines and storage tanks trenches and pits. (PHSI 17 P-75)

Qty: 2797.25 Cft @Rs: 3550.00 P%0 Cft Rs: 14,965 /=

- 3 Earth work compaction (Soft or Ordinary soil) (a) Laying earth in 6" thick

Qty: 26709.00 Cft @Rs: 354.00 P%0 Cft Rs: 9,455 /=

- 4 Extra for every 50ft additional lead or part therefore for earth work (CSI No8 P-3)

Qty: 4076.00 Cft @Rs: 403.12 P%0 Cft Rs: 1,643 /=
Total Rs: 118,419 /=

PART- OXIDATION PONDS

SADIQ KANHAR

- 1 Excavation for tanks and reservoirs 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non-vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m)(PHSI No.1 P No 67)

Qty: 54410.15 Cft @Rs: 3000.00 P%0 Cft Rs: 163,230 /=

- 2 Earth work compaction (Soft or Ordinary soil) (a) Laying earth in 6" thick

Qty: 49408.00 Cft @Rs: 354.00 P%0 Cft Rs: 17,490 /=

- 3 Extra for every 50ft additional lead or part therefore for earth work (CSI No8 P-3)

Qty: 5002.00 Cft @Rs: 403.12 P%0 Cft Rs: 2,016 /=
Total Rs: 182,737 /=

PART- OXIDATION PONDS

SALEH SUHAG

- 1 Excavation for tanks and reservoirs 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non-vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m)(PHSI No.1 P No 67)

Qty: 24222.00 Cft @Rs: 3000.00 P%0 Cft Rs: 72,666 /=

2	Excavation for tanks and reservoirs 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non-vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m). Add for additional lead of every one chain or part there of in item No.1 to 15 (A&B) for excavation for pipe lines and storage tanks trenches and pits. (PHSI 17 P-75)	Qty: 3807.25 Cft	@Rs: 3550.00	P%0 Cft	Rs: 20,369 /=
3	Earth work compaction (Soft or Ordinary soil) (a) Laying earth in 6" thick	Qty: 22575.00 Cft	@Rs: 354.00	P%0 Cft	Rs: 7,992 /=
	Total				Rs: 101,027 /=

PART-II SUMP WELL 5' DIA

1	Excavation for Tanks and Reservoirs in soft soil i/c Trimming and dressing sides to true alignment/design section and profiles and shape leveling of bed of trench to correct level and grade i/c laying of earth 6" dia layer for Construction of Banks and dressing and disposal surplus excavated earth within chain as directed by Engineer incharge i/c providing fence guards, lights, flag where ever required lift and lead up to one chain (PHSI No.1 P No.49)	Qty: 353.25 Cft	@Rs: 3000.00	P%0 Cft	Rs: 1,060 /=
2	Cement concrete brick or stone ballast 1 1/2" to 2" guage Ratio 1:4:8	Qty: 44.15 Cft	@Rs: 9416.28	P%0 Cft	Rs: 4,157 /=
3	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making K=joints and fastering i/c cost of binding wire also i/c removal of rust from bars (CSI No.8 P.No.16).	Qty: 8.40 Cwt	@Rs: 5001.70	P-Cwt	Rs: 42,014 /=
4	RCC work in roof slab, beams columns rafts, lintels, and other structure members laid in situ of pre cost laid in position complete in all respect 1:2:4. (CSI No.96 P.No.8)	Qty: 209.19 Cft	@Rs: 337.00	P-Cft	Rs: 70,497 /=
	Total				Rs: 117,728 /=

PART- INTER CONNECTION

- 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer incharge providing fence guards, lights, flanges and temporary crossing for non vehicular traffic wherever required lift up to 5'ft. (1.50m) and lead up to one chain (30.50m) (PH SCHI No.1 P.No.60).

Qty: 306.00 Cft @Rs: 3600.00 P%0 Cft Rs: 1,102 /=

- 2 Providing RCC Pipe (ASTM) C-76-72 T.C 76/70 class-II wall and fixing in trenches cutting and jointing with rubber rings i/c testing with water to a specified pressure. (PHSI No.7 P.No.18).

Qty: 40.00 Rft @Rs: 412.00 P-Rft Rs: 16,480 /=

- 3 Refilling the excavated stuff in trenches in cement in 6" thick layers i/c watering trimming on full compaction etc complete (PHSI No.24 P.No.53).

Qty: 275.40 Cft @Rs: 2760.00 P%0 Cft Rs: 760 /=

Total Rs: 18,342 /=

PART- P.E RISING MAIN 8" & 6" 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 joints holes and disposal work of surplus earth within one chain as directed by Engineer in charge providing fence guards, lights, flanges and temporary crossing for non vehicular traffic wherever required lift up to 5'ft. (1.50m) and

Qty: 16275.00 Cft @Rs: 3600.00 P%0 Cft Rs: 58,590 /=

- 2 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 ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051.

Qty: 1000.00 Rft @Rs: 860.00 P-Rft Rs: 860,000 /=

- (b) P.E Pipe 6" Dia (160 mm)

Qty: 1200.00 Rft @Rs: 440.00 P-Rft Rs: 528,000 /=

- 3 High Density-PE fitting (PE-100) per each equivalent make
(i) Elbow 90 225 mm PN-08

Qty: 2.00 Nos @Rs: 6874.00 Each Rs: 13,748 /=

(ii) Elbow 90 160 mm P-No 8

Qty: 3.00 Nos @Rs: 3480.00 Each Rs: 10,440 /=

4 Butt Fusion Joint (SMI No H P-No 20)

(a) 8" Dia (225 mm)

Qty: 2.00 Nos @Rs: 1800.00 Each Rs: 3,600 /=

(b) 6" Dia (160 mm)

Qty: 3.00 Nos @Rs: 1000.00 Each Rs: 3,000 /=

5 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: 14647.50 Cft @Rs: 2760.00 P%0 Cft Rs: 40,427 /=

Total: Rs: 1,517,805 /=

GENERAL ABSTRACT

S. No.	Item of Work	Schedule Items	Non-	Total
1	Surface Drains	2397762		2397762
2	C.C Block	1214871		1214871
3 (a)	Oxidation Ponds Nauraja	118419		118419
3 (b)	Oxidation Ponds Sadiq Kanhar	182737		182737
3 (c)	Oxidation Ponds Saleh Suhag	101027		101027
4	Sump Well	117728		117728
5	Inter Connection	18342		18342
6	P.E Rising Mian	1517805		1517805
	Inter Connection	18342		18342
Total:		5687032	-	5687032

- 1 Any error ommission in the description of itmes of & rates original schedule will be correct accordingly in the instrucion of the Executive Engineer PHE Division-I Khairpur
- 2 No Premium will be allowed on Non Schedule items.
- 3 The Work will be carried out as per PWD / PHE specificaiton approval rates working

CONTRACTOR


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING
DIVISION-I, KHAIRPUR

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

Name of Work: **Supplying Installing & Testing Pumping Machinery i/c Inter Connection & Solar Energy System Drainage Scheme for villages Muhammad Saleh Suhag, Sadique Kanhar, Dinal Shah & Nauraja, Taluka Kingri, District Khairpur**

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: 61,79,000/- |
| 3) Earnest Money @ (5%) | Rs: 3,09,000/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 4,94,500/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 6,17,900/- |
| 6) Time of Completion. | (12) 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:

SUPPLYING, INSTALLING AND TESTING PUMPING
MACHINERY I/C INTER CONNECTION AND SOLAR
ENERGY SYSTEM DRAINAGE SCHEME FOR VILLAGES
MOHAMMAD SALEH SUHAG, SADIQ KANHAR, DINAL SHAH
& NAURAJA TALUKA KINGRI DISTRICT KHAIRPUR

S No.	Qty:	Item of Work	Rate	Unit	Amount
<u>A PUMPING MACHINERY 10 BHP</u>					
<u>NON SCHEDULE ITEM</u>					
<u>AT SADIQUE KANHAR</u>					
1		Supplying and installing in position i/c transportation at site of work Electric pumping set 10 BHP (Simens made) frame size 160-L-4 Pole 1500 RPM totally enclosed fan cooled squirrel cage induction motor 3 phase 400 VAC 5% HZ 2% suitable for VFD Operation Ambient Temperature 40 C Alritude 1000 m above sea level construction IM B3 (loot mounted) degree of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ Non-clogging sullage pump type 100-250 size 5' x 4' mounted of KSB steel frame coupling with sleeve capable of giving discharge 400 GPM against the required head 40 ft i/c installed on cement concrete foundation, Ratio 1:2:4 and M.S nuts & bolts of 5/8" dia to be embedded in cement concrete funcation, i/c providing and laying (main or sub-main) PVC insulated with size 4- 7/0.50 (10mm2) copper conductor in 1-1/2" dia PVC conduct on surface and testing the 72 Hours etc complete.			
	Qty:	1 set	@Rs: 687,000	P.set	Rs: 687,000 /=
<u>B DIESEL ENGINE 16 BHP</u>					
1		Supplying and installing Diesel Oil Engine 16 BHP (Golden Made) Model GD-186L 2200 RPM coupled with KSB Non-clogging sullage Pump type KWPZ 100-250 5' x 4" capable discharge 400 GPM against the head of 40 ft i/c frame, pully for Engine & Pump with belt and installing of set in C.C Foundation with Nuts and Bolts and testing the Pumping set against the required head at 48 Hours.			
	Qty:	1 Set	@Rs: 557000.00	P.set	Rs: 557,000 /=
10		Flange Adoptor. (Non-Schedule Item)			
		8" Dia			
	Qty:	8 joint	@Rs: 4725.00	P-Joint	Rs: 37,800 /=
		6" Dia			
	Qty:	10 joint	@Rs: 2025.00	P-Joint	Rs: 20,250 /=
					Total Rs: 1,302,050 /=

SCHEDULE ITEMS

C SUCTION & DEVLIERY FOR (02 NOS: NEW SETS)

- 1 Providing Laying & Fixing intrenches i/c fitting jointing and testing etc complete in all respect the high density polythlene PE pipe (HDPE-100) for W/S confirming ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051. (PHSI No. 1 P-26) PN-10
Suction 6" dia (160m)
- | | | | | | | | | |
|------|-------|-----|------|--------|-------|-----|--------|----|
| Qty: | 32.00 | Rft | @Rs: | 530.00 | P.Rft | Rs: | 16,960 | /= |
|------|-------|-----|------|--------|-------|-----|--------|----|
- Delivery 8" Dia (200m)
- | | | | | | | | | |
|------|-------|-----|------|--------|-------|-----|--------|----|
| Qty: | 18.00 | Rft | @Rs: | 833.00 | P.Rft | Rs: | 14,994 | /= |
|------|-------|-----|------|--------|-------|-----|--------|----|
- 2 Supplying C.I bend with flanged ends with holes i/c turning and facing of flanges for all size (SMI No. 8 P-11) **Bend 90**
- | | | | | | | | | |
|------|------|-----|------|---------|------|-----|-------|----|
| Qty: | 1.45 | Cwt | @Rs: | 6096.00 | Each | Rs: | 8,839 | /= |
|------|------|-----|------|---------|------|-----|-------|----|
- 3 C.I Tee with flanged ends with holes turning and facing of flanged all size (PHS (M) I no. 8 P-12)
Delivery 8" Dia
- | | | | | | | | | |
|------|------|-----|------|---------|------|-----|-------|----|
| Qty: | 0.46 | Cwt | @Rs: | 6096.00 | Each | Rs: | 2,804 | /= |
|------|------|-----|------|---------|------|-----|-------|----|
- 4 Supplying and installing with M.S Pipe Made out of M.S Sheet 3/16" thick i/c folding to correct shape i/c welding etc completed. (RA Based on schedule rates)
Suction 6" Dia
- | | | | | | | | | |
|------|-------|-----|------|--------|-------|-----|--------|----|
| Qty: | 16.00 | Rft | @Rs: | 749.36 | P-Rft | Rs: | 11,990 | /= |
|------|-------|-----|------|--------|-------|-----|--------|----|
- 5 Providing and fixing M.S flanged made of M.S Plate having a thickness and total weight as mentioned against each item it i/c the cost of making hole facing welding nuts bolts rubber paking white lead fitter cartage etc complete. (PHSI No.8 P-88)
1/2" Thick M.S Plate
Delivery 8" Dia
- | | | | | | | | | |
|------|---|-----|------|---------|------|-----|--------|----|
| Qty: | 8 | Nos | @Rs: | 1573.00 | Each | Rs: | 12,584 | /= |
|------|---|-----|------|---------|------|-----|--------|----|
- Suction 6" Dia
- | | | | | | | | | |
|------|---|-----|------|---------|------|-----|--------|----|
| Qty: | 8 | Nos | @Rs: | 1520.00 | Each | Rs: | 12,160 | /= |
|------|---|-----|------|---------|------|-----|--------|----|
- 6 C.I tapered flat bottomed or central tapered flanged end with holes i/c turning facing flanged for all size (PHSI (M) I No. 7 P-11)
Reducer
- | | | | | | | | | |
|------|------|-----|------|---------|-------|-----|-------|----|
| Qty: | 0.89 | Cwt | @Rs: | 6096.00 | P-Cwt | Rs: | 5,425 | /= |
|------|------|-----|------|---------|-------|-----|-------|----|

7	C.I Sluice valve heavy pattern test pressure 21 kg / sq. cm or 300 lbs / sq inch (PHSI (M) I No. 16 P-11) Delivery 6" Dia	Qty: 2	0	@Rs: 9360.00	Each	Rs: 18,720	/=	
8	Reflex valve heavy pattern test pressure 21 kg / sq cm or 300 lbs / sq inch (PHSI (M) I No. C P-11) Suction 6" Dia	Qty: 4	0	@Rs: 1543.75	Each	Rs: 6,175	/=	
9	Butt Fusion Joint (PHSI (M) I No. H P-20) 8" Dia	Qty: 8	0	@Rs: 1800.00	P-Joint	Rs: 14,400	/=	
	6" Dia	Qty: 10	0	@Rs: 1000.00	P-Joint	Rs: 10,000	/=	
10	Jointing C.I / M.S flanged and specials pipes and inside a trenches i/c supplying of the rubber packing of the required thickness nuts bolts and washere etc and other tools required for jointing and testing the joints in the specifics pressure etc complete. (CSI No.1 P-35) 6" Dia	Qty: 10	0	@Rs: 938.00	P-Joint	Rs: 9,380	/=	
	8" Dia	Qty: 8	0	@Rs: 940.00	P-Joint	Rs: 7,520	/=	
						Total: Rs	151,951	/=

A PUMPING MACHINERY 7.5 BHP NON SCHEDULE ITEM
AT DINAL SHAH & NAURAJA

- 1 Supplying and installing in position i/c transportation at site of work
Electric pumping set 7.50 BHP (Simens made) frame size 160-L-4
Pole 1500 RPM totally enclosed fan cooled squirrel cage induction motor
3 phase 400 VAC 5% HZ 2% suitable for VFD Operation Ambient Temperature
40 C Alritude 1000 m above sea level construction IM B3 (loot mounted) degree
of protection IP 65 insulation class F service factor 1.1 coupled with KSB KWPZ
Non-clogging sullage pump type 65-315 size 3" x 2 1/2" mounted of KSB steel frame
coupling with sleeve capable of giving discharge 270 GPM against the required head
40 ft i/c installed on cement concrete foundation, Ratio 1:2:4 and M.S nuts & bolts of
5/8" dia to be embedded in cement concrete funciation, supplying and fixing Motor control
Unit (MCCB) consists of circuit braker, magnetic contrator, over load protection, under

/ over voltage protection phase failure protection, amp meter with current transformer voltmeter with potential transformer automatic star - delta change over switch controlled power cable, indicating lights and all these components are fixed in a metallic dust and smoke proof box etc complete (Siemens Made) i/c providing and laying (mainor sub-main) PVC insulated with size 4- 7/0.50 (10mm²) copper conductor in 1-1/2" dia PVC conduct on surface P/F earthing set with 2'x2'x1/2" copper plate buried in ground at a depth of 12' or less if water comes out from the ground level without salt and charcoal etc i/c making the pipe 12 deep by excavation of all type of soil earth plain to be connected with C.C bars copper with own in 1/2" G.I Pipe strength from the earth plate i/c earth work in the ground at depth as per PAK PWD specification and testing the 72 Hours etc complete.

Qty: 1 set @Rs: 656,000 P.set Rs: 656,000 /=

B DIESEL ENGINE 16 BHP

- 1 Supplying and installing Diesel Oil Engine 16 BHP (Golden Made) Model GD-186L 2200 RPM coupled with KSB Non-clogging sullage Pump type KWPZ 100-250 5' x 4" capable discharge 270 GPM against the head of 40 ft i/c frame, pully for Engine & Pump with belt and installing of set in C.C Foundation with Nuts and Bolts and testing the Pumping set against the required head at 48 Hours.

Qty: 1 Set @Rs: 573000.00 P.set Rs: 573,000 /=

- 10 Flange Adoptor. (Non-Schedule Item)

3" Dia

Qty: 8 0 @Rs: 675.00 P-Joint Rs: 5,400 /=

6" Dia

Qty: 10 0 @Rs: 2025.00 P-Joint Rs: 20,250 /=

Total Rs: 1,254,650 /=

SCHEDULE ITEMS

C SUCTION & DEVLIERY FOR (02 NOS: NEW SETS)

- 1 Providing Laying & Fixing intranches i/c fitting jointing and testing etc complete in all respect the high density polythlene PE pipe (HDPE-100) for W/S confirming ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051. (PHSI No. 1 P-26) PN-10 Suction 3" dia (90m)

Qty: 32.00 Rft @Rs: 178.00 P.Rft Rs: 5,696 /=

Delivery 6" Dia (160m)

Qty: 18.00 Rft @Rs: 530.00 P.Rft Rs: 9,540 /=

2	Supplying C.I bend with flanged ends with holes i/c turning and facing of flanges for all size (SMI No. 8 P-11) Bend 90						
	Qty: 1.35	Cwt	@Rs: 6096.00	Each	Rs: 8,230	/=	
3	C.I Tee with flanged ends with holes turning and facing of flanged all size (PHS (M) I no. 8 P-12)						
	Qty: 0.46	Cwt	@Rs: 6096.00	Each	Rs: 2,804	/=	
4	Supplying and installing with M.S Pipe Made out of M.S Sheet 3/16" thick i/c folding to correct shape i/c welding etc completed. (RA Based on schedule rates)						
	Qty: 20.00	Rft	@Rs: 385.89	P-Rft	Rs: 7,718	/=	
5	Providing and fixing M.S flanged made of M.S Plate having a thickness and total weight as mentioned against each item it i/c the cost of making hole facing welding nuts bolts rubber paking white lead fitter cartage etc complete. (PHSI No.8 P-88)						
	Qty: 8	Nos	@Rs: 945.00	Each	Rs: 7,560	/=	
	Delivery 6" Dia						
	Qty: 10	Nos	@Rs: 1520.00	Each	Rs: 15,200	/=	
6	C.I tapered flat bottomed or central tapered flanged end with holes i/c turning facing flanged for all size (PHSI (M) I No. 7 P-11)						
	Qty: 0.51	Cwt	@Rs: 6096.00	P-Cwt	Rs: 3,109	/=	
7	C.I Sluice valve heavy pattern test pressure 21 kg / sq. cm or 300 lbs / sq inch (PHSI (M) I No. 16 P-11)						
	Qty: 2	#REF!	@Rs: 4290.00	Each	Rs: 8,580	/=	
8	Reflex valve heavy pattern test pressure 21 kg / sq cm or 300 lbs / sq inch (PHSI (M) I No. C P-11)						
	Qty: 4	#REF!	@Rs: 1543.75	Each	Rs: 6,175	/=	
9	Butt Fusion Joint (PHSI (M) I No. H P-20)						
	3" Dia						
	Qty: 8	0	@Rs: 600.00	P-Joint	Rs: 4,800	/=	
	6" Dia						
	Qty: 10	0	@Rs: 1000.00	P-Joint	Rs: 10,000	/=	

- 11 Jointing C.I / M.S flanged and specials pipes and inside a trenches i/c supplying of the rubber packing of the required thickness nuts bolts and washere etc and other tools required for jointing and testing the joints in the specifics pressure etc complete. (CSI No.1 P-35)
6" Dia

Qty: 10 0 @Rs: 938.00 P-Joint Rs: 9,380 /=

3" Dia

Qty: 12 0 @Rs: 499.00 P-Joint Rs: 5,988 /=

Total: Rs: 104,779 /=

NON SCHEDULE ITEM

PROVIDING SOLAR POWER SYSTEM FOR 10 BHP PUMPING MACHINERY

- 1 Supplying installing, Commissioning and Transportation at site of solar Modules (PERLIGHT) Mono Crystalline 280 watt x 36 Penels
(25 years warranty of Solar Modules against manufactures defect)
ABB (German) VFD MPPT Solar Inverter x 1
(1 years for ABB Inverter against manufactures defect)
G.I Sheet (14 Gague) Penel Frames x 12
AC/DC wires, Circuit breakers, Distribution Boards, Insulation and other Installation Materials (for 140 feet distance from Penel to Inverter) Including all Texes (excluding Civil Work)

Qty: 1 set @Rs: 1,916,000 P.set Rs: 1,916,000 /=

- 2 Construction of CC Foundation 1:3:6 wall size 10" x 3' Height for Errection of solar Penels (RA Attached)

Qty: 132 RFT @Rs: 706.00 P-Rft Rs: 93,192 /=

Total: Rs: 2,009,192 /=

NON SCHEDULE ITEM

PROVIDING SOLAR POWER SYSTEM FOR 10 BHP PUMPING MACHINERY

- 1 Supplying installing, Commissioning and Transportation at site of solar Modules (PERLIGHT) Mono Crystalline 280 watt x 27 Penels
(25 years warranty of Solar Modules against manufactures defect)
ABB (German) VFD MPPT Solar Inverter x 1
(1 years for ABB Inverter against manufactures defect)
G.I Sheet (14 Gague) Penel Frames x 9
AC/DC wires, Circuit breakers, Distribution Boards, Insulation and other Installation Materials (for 140 feet distance from Penel to Inverter) Including all Texes (excluding Civil Work)

Qty: 1 set @Rs: 1,275,000 P.set Rs: 1,275,000 /=

- 2 Construction of CC Foundation 1:3:6 wall size 10" x 3' Height for Errection of solar Penels (RA Attached)

Qty: 99 RFT @Rs: 706.00 P-Rft Rs: 69,894 /=

Tc Rs: 1,344,894 /=

GENERAL ABSTRACT

S.No.	Name of Work	Schedule Item	Non Schedule	G. Total
1	Pumping Machinery Sadiq Kanhar	Rs: 151951	Rs: 1,302,050	Rs: 1454001
2	Pumping Machinery Dinal Shah & Nauraja	Rs: 104779	Rs: 1,254,650	Rs: 1359429
3	Solar Energy System Sadiq Kanhar	Rs: ---	Rs: 2,009,192	Rs: 2009192
4	Solar Energy System Dinal Shah & Nauraja	Rs: ---	Rs: 1,344,894	Rs: 1344894
G.Total Rs:		256730	Rs: 5910786	Rs: 6167516

- 1 Any error commission in the description of itme of work rates original schedule B correct accordingly in the instrucion 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 specificaiton approval rates working

CONTRACTOR


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING
DIVISION - I KHAIRPUR

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

Name of Work: **Construction of Surface Drains, CC Block & Paver Block @ Village Rahooja, for Drainage Scheme Ahmedpur & Rahooja, Taluka Kingri, District Khairpur**

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: 1,11,73,000/- |
| 3) Earnest Money @ (5%) | Rs: 5,59,000/- |
| 4) Percentage if any to be deducted from bill 8% | Rs: 8,94,000/- |
| 5) Security Deposit @ 10%
Including Earnest Money. | Rs: 11,17,300/- |
| 6) Time of Completion. | (12) Months |

We hereby tender for the execution of the above work for the Government of Sindh at _____ percent above/below the schedule rates as 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: CONSTRUCTION OF SURFACE DRAINS, C.C BLOCK AND PAVER BLOCK AT RAHOOJA FOR DRAINAGE SCHEME AHMEDPUR & RAHOOJA TALUKA KINGRI DISTRICT KHAIRPUR.

S No.	Qty:	Item of Work	Rate	Unit	Amount
PART - I SURAFCE DRAINS RAHOOJA					
1		Excavation in foundation of building bridges & other structure i/c dag belling dressing refilling around the structure with excavated earth watering ramming lead, up to one chain & lift upto 5"ft (CSI-No:18, P-No:4) In Ordinary soil.			
	Qty: 10629.80	cft	@Rs: 3176.25	P.%ocft	Rs: 33,763 /=
2		Cement concrete plain i/c placing compacting finishing and curring complete i/c Screening & washing of stone aggregates without shuttering. (CSI.No:5(i) P.No:16)			
a)	Ratio 1:4:8				
	Qty: 2263.70	cft	@Rs: 11288.75	P.%cft	Rs: 255,543 /=
3		Pacca brick work in foundation plinth in cement sand mortor (1:6) (CSI.No:4 (e)P.No:20)			
	Qty: 9639.37	cft	@Rs: 11948.36	P.%cft	Rs: 1,151,747 /=
4		Constt: of standard of open drains cunette block of cement concrete (1.2.4.) in situ to The design profile i/c cost of mould as per drawing i/c applying floating coat of cement 1/32"inch thick to exposed face finished smooth curing etc complete (as per detail drawing) (PHSI No. D (I) P-58)			
	Type I				
	Qty: 2440.00	rft	@Rs: 94.00	P.rft	Rs: 229,360 /=
	Type II				
	Qty: 1050.00	rft	@Rs: 174.00	P.rft	Rs: 182,700 /=
5		Cement plaster 1:4 upto 20" height ½ thick (C.S.I No11 (b) .P No 52)			
	Qty: 16555.00	sft	@Rs: 2283.93	P.%sft	Rs: 378,105 /=
6		R.C.C work in roof, slabs, beams, columns raft lintel & other structural members laid in situ or preCost lead position complete in all respect Ratio (1:2:4) (C.S.I No: 6 (a)(i) P.No: 16)			
	Qty: 1609.32	cft	@Rs: 337.00	P,cft	Rs: 542,341 /=
7		Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints & fastening i/c cost of binding wire also removal of rust from bars (C.S.I No: 8(b), PNo:17)			
	Qty: 57.47	cwt	@Rs: 5001.70	P.cwt	Rs: 287,448 /=
				Total	Rs: 3,061,007 /=

PART - II**C.C BLOCK****RAHOOJA**

1	Borrow pit excavation dressed lead upto 100 ft ordinary soil (CSI.No: 3 (a) P. No:1)				
	Qty: 2160.00 cft	@Rs: 2117.50	P.%cft	Rs: 4,574	/=
2	Earth work compaction (soft ordinary or hard soil) laying earth in 6" layer and dressing complete (CSI No: 13 P-3)				
	Qty: 2160.00 cft	@Rs: 263.00	P.%cft	Rs: 568	/=
3	Extra for every 50" ft additional lead or part there of (C.S.I No:8(a)P-3) Total lead $(\frac{2600-100}{50}) = 50$ Leads @Rs: 30/40 per lead 1520/= %o cft				
	Qty: 2160.00 cft	@Rs: 502.52	P.%cft	Rs: 10,855	/=
4	Cement concrete brick or stone ballast 1-1/2" 2" gague (CSI.No:4 P.No: 17) Ratio: 1:4:8				
	Qty: 950.40 cft	@Rs: 9416.28	P.%cft	Rs: 89,492	/=
5	Cement concrete plain i/c placing comacting finishing and curring complete i/c screening and washing of stone aggregate (CSI.No:5 P.No: 17) Ratio: 1:2:4				
	Qty: 720.00 cft	@Rs: 14429.25	P.%cft	Rs: 103,891	/=
6	Errection & removal of centring for R.C.C or plain C.C of partal wool (C.S.I.No:18 P.No: 20)				
	Qty: 90.00 Sft	@Rs: 3127.41	P.%cft	Rs: 2,815	/=
				Total: Rs: 212,195	/=

PART-III**C.C PAVER BLOCK**

1	Hard murrum or fine powder murrum (Sch: of mat I No. 71 P-No. 4)				
	Qty: 7098.75 cft	@Rs: 1800.00	P.%cft	Rs: 127,778	/=
2	Providing & Fixing cement paving blocks flooring having size of 197x97x60(mm) Of city/quddra/cobble shape with national colour, having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner/ pattern and design etc: complete (CSI.No. 72 P. No. 48)				
	Qty: 28395.00 sft	@Rs: 199.77	P.sft	Rs: 5,672,469	/=

- 3 Cement concrete plain i/c placing comacting finishing and curring complete i/c screening and washing of stone aggregate (CSI.No:5 P.No: 17)

Ratio 1:2:4

Qty: 394.37 cft @Rs: 14429.25 P.%cft Rs: 56,905 /=

- 4 Errection & removal of centring for R.C.C or plain C.C of partal wool (C.S.I.No:18 P.No: 20)

Vertical


Qty: 788.75 Sft @Rs: 3127.41 P.% Sft Rs: 24,667 /=
Total Rs. 5,881,819 /=

GENERAL ABSTRACT

S.N o.	Name of Work	Schedule	Non Schedule	G. Total
1	SURFACE DRAINS	Rs 3,061,007		Rs 3,061,007 /=
2	C.C BLOCK	Rs 212,195		Rs 212,195 /=
3	C.C PAVER BLCOK	Rs 5,881,819		Rs 5881819 /=
G.TOTAL =		Rs 9155021		Rs 9155021 /=

- 1 Any error commision in the description of itme of work rates original schedule B correct accordingly in the instrucion 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 specificaiton approval rates working

CONTRACTOR


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING
DIVISION-I, KHAIRPUR

