

GOVERNMENT OF SINDH

RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS



BIDDING DOCUMENT FOR

Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi 5. Darshan Lal Thahrani Mengwaro Paso Helario Peer Taluka Diplo

Name of procurring agency:- EXECUTIVE ENGINEER RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS
Brief discription of work :- Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi 5. Darshan Lal Thahrani Mengwaro Paso Helario Peer Taluka Diplo

Precurring agency address OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX HYDERABAD

Bid shall be in Pak Rupees

AMOUNT Rs. 0.16 million

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

(F) period of bid validity

60 days

(G) venue, time & date of opening

OLD SRTC BUILDING PREMISES WAHDAT COLONY NEAR
AGRICULTURE COMPLEX HYDERABAD

(H) responsiveness of bid

Bid is valid till required period

1. SPPRA www.pprasindh.gov.pk

2. Bid prices are firm during currency of contract/ price adjustment

3. Completion period offered is within specified limits

4. Bidder is eligible to bid and possesses the requisite experience, capability and qualification

5. Bid does not deviate from basic technical requirement and

6. bids are generally in order etc.

(I) Time for completion from written order of commence:-

6 months

(J) Liquidity Damages:-

(0.05% On Estimated Cost) per day subject to minimum 10%

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS



RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS DIVISION

Issued to Mr./Messrs _____
Vide D.R. No. _____ Dated _____ for Rs. _____
Date of Issue _____ Date of Opening _____

Executive Engineer
Rural Development Department
MIRPUR KHAS

B-I TENDER FOR WORKS

I/We tender for the execution for the Government of Sindh (herein before and herein after referred to as "Government") of the work specified in the underwritten memorandum within the time specified in such memorandum at PART-A _____ percent below / above & PART-B _____ percent below / above & PART-C _____ percent below / above the estimate rates entered in Schedule 'B' memorandum showing item of work to be carried-out and in accordance in all respect with the specifications/ designs, drawings and instructions in writing referred to in rule hereof and clause 12 of annexed conditions of contract.

MEMORANDUM

General Description:- Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi 5. Darshan Lal Thahrani Mengwaro Paso Helario Peer Taluka Diplo

a) Estimated Cost	8.000 MILLION
b) Earnest Money	0.16 MILLION
c) Percentage if any to be deducted from bill @ 8%	
d) Security Deposit i/c earnest money @ 10%	
completion period	18 months

Should this tender be accepted I/We agree to abide by and fulfill the terms and provisions of the conditions of contract annexed hereto as for as applicable and default thereof to forfeit and pay to Government the sum of money mentioned in the said conditions.

RECEIPT NO. _____ DATE _____ From

In respect of the sum of Rs. Call Deposit No. _____ dated _____

From _____ Bank is herewith forwarded representing earnest money. The full value of which is to be absolutely forfeited to Government should I/We not deposit the full amount of security deposit as shown in the above memorandum in accordance with clause of the said conditions. Otherwise the sum of Rs. _____ shall be retained by Government on account of such security deposit as aforesaid or (B) the full value shall be retained by the Government on account of the Security specified in clause 1 (b) of the condition (Schedule-A is attached).

CONTRACTOR

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES
RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS
PART-A TUBE WELL BORING

NAME OF SCHEME: Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District
 Tharparkar @ Mithi 5. Darshan Lal Thahrani Mengwaro Paso Helario Peer Taluka Diplo

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Bor ng for tube well in all water bearing soils from ground level up to 100 ft or 30.5 meter depth i/c sinking and with drawing of casing pipe. 12" dia. (P.H.S.I # 01(g), P.NO. 41)	100.00	743.00	P- RFT	74300.00	
2	Bor ng for tube well in all water bearing soils from 100.1 to 200 ft or 30.51 to 60.0 meter depth below ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	849.00	P- RFT	84900.00	
3	Bor ng for tube well in all water bearing soils from 200.1 to 300 ft or 60.01 to 91.50 meter depthbelow ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	989.00	P- RFT	98900.00	
4	Bor ng for tube well in all water bearing soils from 300.1 to 400 ft or 91.51 to 122.0 meter depthbelow ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	1073.00	P- RFT	107300.00	
5	Supplying and installing PVC blind pipe " D " class of approved design quality and make i/c necessary sockets etc. complete.8" dia. (PHES.M,MISC.I.NO.16(iii),P.25)(P.H.S.I.# 12(e), P.NO.44)	240.00	911.01	P- RFT	218642.00	
6	Supplying and fixing PVC D CLASS SLOTTED strainers of DADEX OR EQUIVALENT approved quality complete.8" dia.	150.00	1464.67	P- RFT	219701.00	
7	Shrouding with graded bajri (3/8" to1/8") or (9 to3mm) in between bore and blind pipe for the following diameters of strainer.(P.H.S.I.NO. 13(e), P.NO.45)	160.00	105.00	P- RFT	16800.00	
8	SUFPLY C.I End plug 8" Dia.(PHES.M,P.29)	1.00	550.00	EACH	550.00	
9	Tak ng samples of water from bore hole and placing in two separate bottles. (P.H.S.I.NO. 7, P.NO.43)	20.00	131.00	P.sample	2620.00	

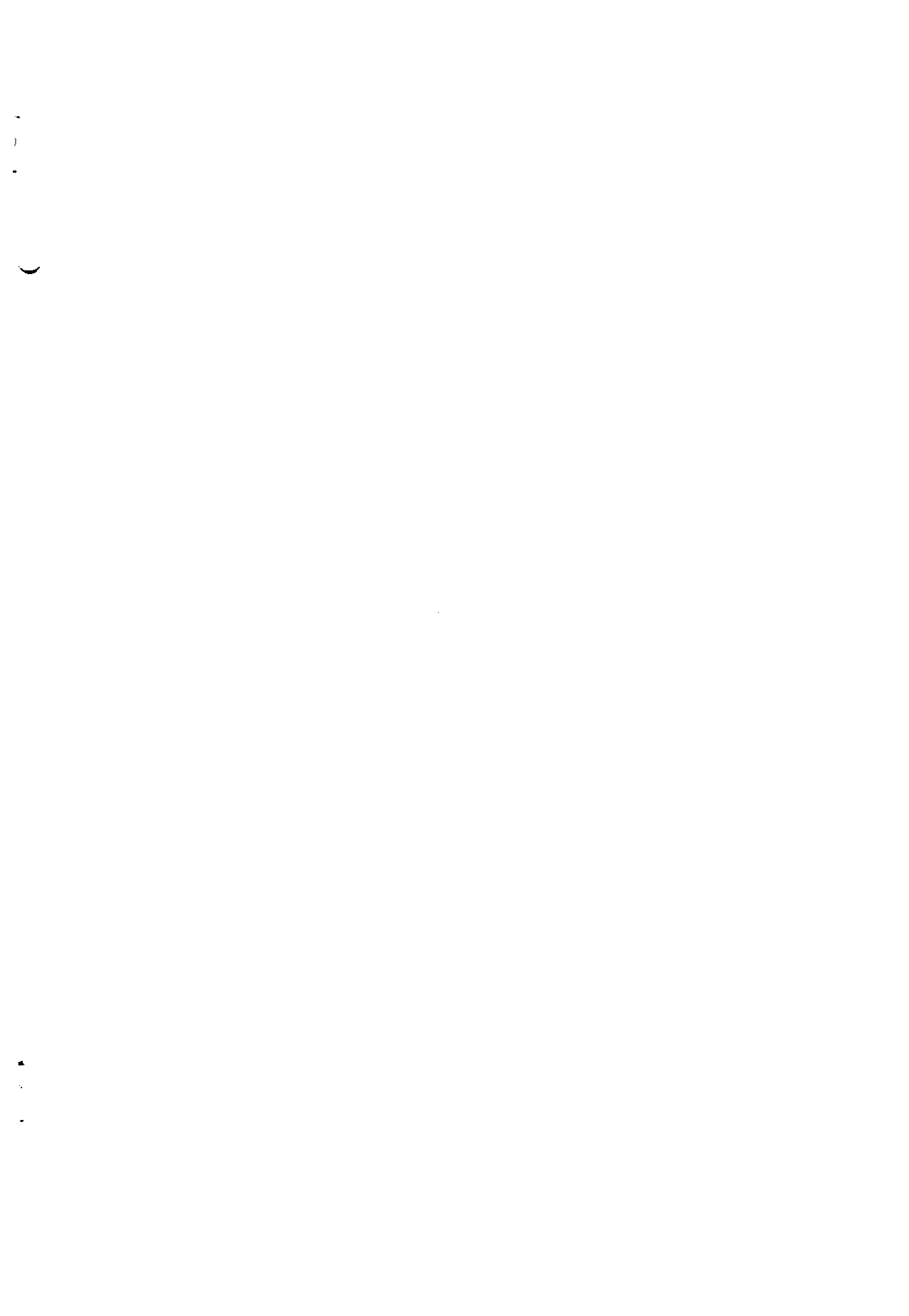
10	Development of tube well Testing charges of samples from laboratory. (P.H.S.I.NO. 8a, P.NO.43)	150.00	200.00	P.rft	30000.00
11	dis-infection of well	1.00	1100.00	job	1100.00
12	Supplying & installing well head casing & Security cap.	1.00	4854.00	P.cwt	4854.00
TOTAL Rs.					859667.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS



BILL OF QUANTITIES**RURAL DEVELOPMENT DEPARTMENT****MIRPUR KHAS****PART-B PUMP HOUSE , R.O PLANT ROOM I.C WATER TANK**

NAME OF SCHEME: Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi 5. Darshan Lal Thahrani Mengwaro Paso Helario Peer Taluka Diplo

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Excavation in foundation of building bridges and other structure i/c dagbelling refilling around the structure with excavated earth watering and ramming lead up to 5' ft. (CSI No. 18-b, P.No.4).	694.63	3176.25	P-%0 CFT	2206.00	
2	Cement concrete brick or stone ballast 1 ½" to 2" gauge RATIO 1:4:8 . (S.I.NO.4 , P-15)	268.30	9416.28	P-% CFT	25264.00	
3	Pacca Brick work in foundation and plinth with cement . (CSI NO: 4, P.No. 20)(1:6)	172.03	11948.36	P-% CFT	20555.00	
4	RCC work i/c all labor and material except the cost of steel reinforcement and its labor for bending and binding which will be paid separately. This rate also i/c all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle. (a) RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situe or pre cost laid in position and complete in all respects. Ratio (1:2:4) (CSI No. 6-a, P.19)	684.43	337.00	P- CFT	230653.00	
5	Fab ication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making jointing and fastening i/c cost of bending wire also includes removal of rust from bars. (CSI No. 8 a, P.No: 20)	27.50	5001.70	P- CWT.	137547.00	
6	Filling Watering & Ramming earth floor from foundation surplus earth foundation earth from foundation lead up to one chain and lift up 5'ft. (CSI No. 21, P.No. 4).	465.40	1512.50	P-%0 cft	704.00	
7	Filling Watering & Ramming earth under floor with new earth excavated out side lead up to one chain and lift up5'ft.(CSI No. 22, P.No. 4).	576.00	3630.00	P-%0 cft	2091.00	

8	Pacca Brick work in ground floor in cement sand mortar.(1:6) (CSI NO: 5, P.No. 21)	700.73	12674.36	P-% cft	88813.00
9	P/F G.I frame chowkata of size 7"x2" or 4½" x3" for door using 20' guage G.I sheet i.c welding hings and fixing at site with necessary hold fasts filling with cement sand slury of ratio 1:6 and repairing the jambs the cost also i.c all carriage tools and plants used in making and fixing (SI No. 29, P.No. 93).	35.00	228.90	P-rft	8012.00
10	P/F G.I frame chowkata of size 7"x2" or 4½" x3" for windows using 20' guage G.I sheet i.c welding hings and fixing at site with necessary hold fasts filling with cement sand slury of ratio 1:6 and repairing the jambs the cost also i.c all carriage tools and plants used in making and fixing (SI No. 28, P.No. 93).	49.36	240.50	P-rft	11871.00
11	S/F in position steel grill of size ¾" x ¼" flat iron of approved design i.c painting three coats (CSI No. 26, P.No:92)	103.00	180.50	P-sft	18592.00
12	Cement Plaster (1:6) up to 20' height 3/8" thick (CSI No. 13-b, P.No:52)	1969.25	2122.72	P% sft	41802.00
13	Cement Plaster (1:4) up to 20' height ½" thick (CSI No. 11, P.No:57)	1969.25	2283.93	P% sft	44976.00
14	Providing and lying 1" Thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels:(CSI No: 16, P.No: 42). 2" THICK	282.00	3275.50	P% sft	9237.00
15	First Class Deodar wood wrought joinery in door and windows etc fixed in position i/c chowkats fasts harges iron towers cleats deodar paneled 1¾" thick. .	80.56	1273.76	P sft	102614.00
16	Preparing surface painting to door and windows three coats new surface. (CSI No. 5c, P.No. 70).	161.10	2116.41	P %sft	3410.00
17	Colour washing (b) Two coats. (S.I.NO.25, P.NO.53)	1969.25	859.90	P %sft	16934.00
18	Wiring for light or fan point with 1/1.13mm (3/.029) PVC insulated wire in 20mm (3/4 in) PVC recessed in wall or in column as required (C.S.E.I.P,15.It,124)	5.00	1130.00	P - point	5650.00

19	Wiring for plug point with 1/1.13 mm (3/ 029) PVC insulated wire in 25mm 1" PVC recessed in the wall or in the column as required . (C.S.E.I.P15.It,126)	4.00	985.00	P - point	3940.00
20	P/fixing one way S.P 5 Amp switch flush type . (C.S.E.219.P,10.It,1(A) (Sub head XI)	6.00	54.00	P - point	324.00
21	P/F two pin 5 Amp plug & socket(C.S.E.I.P,33.It,222 (Sub head XI)	6.00	80.00	P - point	480.00
22	P/F circuit breaker 6,10,15,20,30,40,50&63 Amp D.P(TB-5S) On a prepared board as required . (C.S.E.I.P,31.It,204) (Sub head X)	2.00	2456.00	P - point	4912.00
TOTAL Rs.					780587.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES
RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS

PART-E PUMPING MACHINERY

NAME OF SCHEME: Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi 5. Darshan Lal Thahrani Mengwaro Paso Helario Peer Taluka Diplo

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Providing and installing in position i.c transportation to site of work GRUNDFOS HMA Submersible pump type HSP 8A-30+ 7.5 BHP MOTOR complete capable to discharge 25 GPM against a head of 400 ft 7.5 HP HMA motor (3 x 380v x 2 pole) i.c riser pipe of 2" dia of 39 nos of 10 ft each with flanged ends. The flanges are notched to accommodate the cable i.c top set of 2" dia containing bore hole cover plate with 90 degree bend, sluice valve, jacket, nut bolts and 2 sets of installation clamps i.c nipple of 2" dia. i.c 7.5 HP motor control unit consist of metallic box, electric over current relay, magnetic contractor, under/ over voltage	1.00	1003000.00	NO.	1003000.00	
2	Manufacturing supplying and fixing black steel MS pipe 3" dia made out of MS sheet 5mm" thick conforming to API 5L GRADE X_42 ERW external bitumen coating with fiber glass 5.0 mm thick . (S.M.P.H.E.,I.NO.1 ;P-22)	60.00	650.15	RFT	39009.00	
3	Supplying C.I.Bend with flanged ends with holes i/c turning and facing of flanges for all size. (S.M.P.H.E.INO.9(8),P-12)	180.00	120.00	P- KG	21600.00	
4	Supplying C.I.Tee with flanged ends with holes i/c turning and facing of facing of flanges for all size 3" dia. . (S.M.P.H.E.INO.9(12),P-12)	70.00	120.00	P- KG	8400.00	
5	C.I.tapered flat bottom or central TAPERED flanged ends with holes i/c turning and facing of flanges for all size (S.M.P.H.E.INO.9(12),P-9)	80.00	120.00	P- KG	9600.00	
6	Supplying C.I sluice value heavy pattern test pressure 3" DIA(S.M.P.H.E.INO.2(A),P-11)	2.00	4290.00	P- EACH	8580.00	
7	Supplying C.I.Reflex value heavy pattern test pressure IMPORTED (S.M.P.H.E.INO.6(A),P-11)	1.00	1543.00	P- EACH	1543.00	

8	Providing and installation of R.O PLANT of capacity 3000 GPD for 20000 TDS @ site i.c all accessories to complete filtration process of water as per R.O technology of (so safe or equivalent) approved quality rate i.c all the machinery such as raw water feed 1 1/2 HP pump, filters, ultra violet sterilizer system RO system with membrane water storage tank all installation charges , transportation charges etc complete.	1.00	2870000.00	P- EACH	2870000.00
9	Providing and installation of solar electric system of capacity to generate 9500 watts electricity, complete in all respect with all instruemnts/ accessories i.c required no. of solar panels (taiwan made or equivalent quality)with MS mounting frames, inverters, necessary wiring (16 mm pure copper wire or as as directed by engineer incharge) necessary switches, circuit brakers etc complete for energising Ro plant as well as submerssible pump simultaneously. rate i.c transpotation chrges etc complete.	9500.00	220.00	each watt	2090000.00
TOTAL Rs.					6051732.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

GOVERNMENT OF SINDH

RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS



BIDDING DOCUMENT FOR

Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi
4.Sagram Bheal Bojosar Uc Sengharo Taluka Islam Kot

Name of procurring agency:- EXECUTIVE ENGINEER RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS
Brief discription of work :- Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

Precurring agency address OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX
HYDERABAD

Bid shall be in Pak Rupees

AMOUNT Rs. 0.16 million

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

(F) period of bid validity

60 days

(G) venue, time & date of opening

OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR
AGRICULTURE COMPLEX HYDERABAD

(H) responsiveness of bid

Bid is valid till required period

1.SPPRA www.pprasindh.gov.pk

2. Bid prices are firm during currency of contract/ price adjustment

3.Completion period offered is within specified limits

4. Bidder is eligible to bid and possesses the requisite experience,
capability and qualification

5. Bid does not deviate from basic technical requirement and

6. bids are generally in order etc.

(I) Time for completion from written order of
commence:-

6 months

(J) Liquidity Damage:-

(0.05% On Estimated Cost) per day subject to minimum 10%

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS



RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS DIVISION

Issued to Mr./Messrs _____
Vide D.R. No. _____ Dated _____ for Rs. _____
Date of Issue _____ Date of Opening _____

Executive Engineer
Rural Development Department
MIRPUR KHAS

B-I TENDER FOR WORKS

I/We tender for the execution for the Government of Sindh (herein before and herein after referred to as "Government") of the work specified in the underwritten memorandum within the time specified in such memorandum at PART-A _____ percent below / above & PART-B _____ percent below / above & PART-C _____ percent below / above the estimate rates entered in Schedule 'B' memorandum showing item of work to be carried-out and in accordance in all respect with the specifications/ designs, drawings and instructions in writing referred to in rule hereof and clause 12 of annexed conditions of contract.

MEMORANDUM

General Description:- Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi 4.Sagram Bheal Bojosar Uc Sengharo Taluka Islam Kot

a) Estimated Cost	8.000 MILLION
b) Earnest Money	0.16 MILLION
c) Percentage if any to be deducted from bill @ 8%	
d) Security Deposit i/c earnest money @ 10%	
completion period	18 months

Should this tender be accepted I/We agree to abide by and fulfill the terms and provisions of the conditions of contract annexed hereto as for as applicable and default thereof to forfeit and pay to Government the sum of money mentioned in the said conditions.

RECEIPT NO. _____ DATE _____ From

In respect of the sum of Rs. Call Deposit No. _____ dated _____

From _____ Bank is herewith forwarded representing earnest money. The full value of which is to be absolutely forfeited to Government should I/We not deposit the full amount of security deposit as shown in the above memorandum in accordance with clause of the said conditions. Otherwise the sum of Rs. _____ shall be retained by Government on account of such security deposit as aforesaid or (B) the full value shall be retained by the Government on account of the Security specified in clause 1 (b) of the condition (Schedule-A is attached).

CONTRACTOR

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES
RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS

PART-A TUBE WELL BORING

NAME OF SCHEME: Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

4.Sagram Bheal Bojosar Uc Sengharo Taluka Islam Kot

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Boring for tube well in all water bearing soils from ground level up to 100 ft or 30.5 meter depth i/c sinking and with drawing of casing pipe. 12" dia. (P.H.S.I # 01(g), P.NO. 41)	100.00	743.00	P- RFT	74300.00	
2	Boring for tube well in all water bearing soils from 100.1 to 200 ft or 30.51 to 60.0 meter depth below ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	849.00	P- RFT	84900.00	
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5	Supplying and installing PVC blind pipe " D " class of approved design quality and make i/c necessary sockets etc. complete.8" dia (PHES.M,MISC.I.NO.16(iii),P.25)(P.H.S.I.# 12(e), P.NO.44)	240.00	911.01	P- RFT	218642.00	
6	Supplying and fixing PVC D CLASS SLOTTED strainers of DADEX OR EQUIVALENT approved quality complete.8" dia.	150.00	1464.67	P- RFT	219701.00	
7	Shrouding with graded bajri (3/8" to1/8") or (9 to3mm) in between bore and blind pipe for the following diameters of strainer.(P.H.S.I.NO. 13(e), P.NO.45)	160.00	105.00	P- RFT	16800.00	
8	SUPPLY C.I End plug 8" Dia.(PHES.M,P.29)	1.00	550.00	EACH	550.00	
9	Taking samples of water from bore hole and placing in two separate bottles. (P.H.S.I.NO. 7, P.NO.43)	20.00	131.00	P.sample	2620.00	

10	Development of tube well Testing charges of samples from laboratory. (P.H.S.I.NO. 8a, P.NO.43)	150.00	200.00	P.rft	30000.00
11	dis-infection of well	1.00	1100.00	job	1100.00
12	Supplying & Installing well head casing & Security cap.	1.00	4854.00	P.cwt	4854.00
TOTAL Rs.					859667.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES**RURAL DEVELOPMENT DEPARTMENT****MIRPUR KHAS****PART-B PUMP HOUSE , R.O PLANT ROOM I.C WATER TANK**

NAME OF SCHEME: Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

4.Sagram Bheal Bojosar Uc Sengharo Taluka Islam Kot

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Excavation in foundation of building bridges and other structure i/c dagbelling refilling around the structure with excavated earth watering and ramming lead up to 5' ft. (CSI No. 18-b, P.No.4).	694.63	3176.25	P-%0 CFT	2206.00	
2	Cement concrete brick or stone ballast 1 1/2" to 2" gauge RATIO 1:4:8 . (S.I.NO.4 , P-15)	268.30	9416.28	P-% CFT	25264.00	
3	Pacca Brick work in foundation and plinth with cement . (CSI NO: 4, P.No. 20)(1:6)	172.03	11948.36	P-% CFT	20555.00	
4	RCC work i/c all labor and material except the cost of steel reinforcement and its labor for bending and binding which will be paid separately. This rate also i/c all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle. (a) RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situe or pre cost laid in position and complete in all respects. Ratio (1:2:4) (CSI No. 6-a P.19)	684.43	337.00	P- CFT	230653.00	
5	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making jointing and fastening i/c cost of bending wire also includes removal of rust from bars. (CSI No. 8 a, P.No: 20)	27.50	5001.70	P- CWT.	137547.00	
6	Filling Watering & Ramming earth floor from foundation surplus earth foundation earth from foundation lead up to one chain and lift up 5'ft. (CSI No. 21, P.No. 4).	465.40	1512.50	P-%0 cft	704.00	
7	Filling Watering & Ramming earth under floor with new earth excavated out side lead up to one chain and lift up5'ft.(CSI No. 22, P.No. 4).	576.00	3630.00	P-%0 cft	2091.00	

8	Pacca Brick work in ground floor in cement sand mortar.(1:6) (CSI NO: 5, P.No. 21)	700.73	12674.36	P-% cft	88813.00
9	P/F G.I frame chowkata of size 7"x2" or 4½" x3" for door using 20' guage G.I sheet i.c welding hings and fixing at site with necessary hold fasts filling with cement sand slur y of ratio 1:6 and repairing the jambs the cost also i.c all carriage tools and plants used in making and fixing (SI No. 29, P.No. 93).	35.00	228.90	P-rft	8012.00
10	P/F G.I frame chowkata of size 7"x2" or 4½" x3" for windows using 20' guage G.I sheet i.c welding hings and fixing at site with necessary hold fasts filling with cement sand slur y of ratio 1:6 and repairing the jambs the cost also i.c all carriage tools and plants used in making and fixing (SI No. 28, P.No. 93).	49.36	240.50	P-rft	11871.00
11	S/F in position steel grill of size ¾" x ¼" flat iron of approved design i.c painting three coats (CSI No. 26, P.No:92)	103.00	180.50	P-sft	18592.00
12	Cement Plaster (1:6) up to 20' height 3/8" thick (CSI No. 13-b, P.No:52)	1969.25	2122.72	P% sft	41802.00
13	Cerient Plaster (1:4) up to 20' height ½" thick (CSI No. 11, P.No:57)	1969.25	2283.93	P% sft	44976.00
14	Providing and lying 1" Thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels:(CSI No: 16, P.No: 42). 2" THICK	282.00	3275.50	P% sft	9237.00
15	First Class Deodar wood wrought joinery in door and windows etc fixed in position i/c chowkats fasts hirges iron towers cleats deodar paneled 1¾" thick. .	80.56	1273.76	P sft	102614.00
16	Preparing surface painting to door and windows three coats new surface. (CSI No. 5c, P.No. 70).	161.10	2116.41	P %sft	3410.00
17	Colour washing (b) Two coats. (S.I.NO.25, P.NO.53)	1969.25	859.90	P %sft	16934.00
18	Wiring for light or fan point with 1/1.13mm (3/.029) PVC insulated wire in 20mm (3/4 in) PVC recessed in wall or in column as required (C.S.E.I.P,15.It,124)	5.00	1130.00	P - point	5650.00

19	Wiring for plug point with 1/1.13 mm (3/.029) PVC insulated wire in 25mm 1" PVC recessed in the wall or in the column as required . (C.S.E.I.P15.It,126)	4.00	985.00	P - point	3940.00
20	P/fixing one way S.P 5 Amp switch flush type . (C.S.E.219.P,10.It,1(A) (Sub head XI)	6.00	54.00	P - point	324.00
21	P/F two pin 5 Amp plug & socket(C.S.E.I.P,33.It,222 (Sub head XI)	6.00	80.00	P - point	480.00
22	P/F circuit breaker 6,10,15,20,30,40,50&63 Amp D.P(TB-5S) On a prepared board as required . (C.S.E.I.P,31.It,204) (Sub head X)	2.00	2456.00	P - point	4912.00
TOTAL Rs.					780587.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES
RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS

PART-E PUMPING MACHINERY

NAME OF SCHEME: Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

4.Sagram Bheal Bojosar Uc Sengharo Taluka Islam Kot

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Providing and installing in position i.c transportation to site of work GRUNDFOS HMA Submersible pump type HSP 8A-30+ 7.5 3HP MOTOR complete capable to discharge 25 GPM against a head of 400 ft 7.5 HP HMA motor (3 x 380v x 2 pole) i.c riser pipe of 2" dia of 39 nos of 10 ft each with flanged ends. The flanges are notched to accomodate the cable i.c top set of 2" dia containing bore hole cover plate with 90 degree bend, sluice valve, jacket, nut bolts and 2 sets of installation clamps i.c nipple of 2" dia i.c 7.5 HP motor control unit consist of metallic box, electric over current relay, magnetic contractor, under/ over voltage	1.00	1003000.00	NO.	1003000.00	
2	Manufacturing supplying and fixing black steel MS pipe 3" dia made out of MS sheet 5mm" thick conforming to API 5L GRADE X_42 ERV external bitumen coating with fiber glass 5.0 mm thick . (S.M.P.H.E.,I.NO.1 ;P-22)	60.00	650.15	RFT	39009.00	
3	Supplying C.I.Bend with flanged ends with holes i/c turning and facing of flanges for all size. (S.M.P.H.E.I.NO.9(8),P-12)	180.00	120.00	P- KG	21600.00	
4	Supplying C.I.Tee with flanged ends with holes i/c turning and facing of facing of flanges for all size 3" dia... (S.M.P.H.E.I.NO.9(12),P-12)	70.00	120.00	P- KG	8400.00	
5	C.I. tapered flat bottom or central TAPERED flanged ends with holes i/c turning and facing of flanges for all size (S.M.P.H.E.I.NO.9(12),P-9)	80.00	120.00	P- KG	9600.00	
6	Supplying C.I sluice value heavy pattern test pressure 3" DIA(S.M.P.H.E.I.NO.2(A),P-11)	2.00	4290.00	P- EACH	8580.00	
7	Supplying C.I. Reflex value heavy pattern test pressure IMPORTED (S.M.P.H.E.I.NO.6(A),P-11)	1.00	1543.00	P- EACH	1543.00	

8	Providing and installation of R.O PLANT of capacity 3000 GPD for 20000 TDS @ site i.c all accessories to complete filtration process of water as per R.O technology of (so safe or equivalent) approved quality rate i.c all the machinery such as raw water feed 1 1/2 HP pump, filters, ultra violet sterlizer system RO system with membrane water storage tank all installation charges , transportation charges etc complete.	1.00	2870000.00	P- EACH	2870000.00
9	Providing and installation of solar electric system of capacity to generate 9500 watts electricity, complete in all respect with all instruemnts/ accessories i.c required no. of solar panels (taiwan made or equivalent quality)with MS mounting frames, inverters, necessary wiring (16 mm pure copper wire or as as directed by engineer incharge) necessary switches, circuit brakers etc complete for energising Ro plant as well as sub merssible pump simultaneously. rate i.c transportation chrges etc complete.	9500.00	220.00	each watt	2090000.00
TOTAL Rs.					6051732.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

GOVERNMENT OF SINDH

RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS



BIDDING DOCUMENT FOR

Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi
1.Kacharo Bhagat Paro Senhar Vikeyo Uc Sonal Beh Taluka Islam Kot

Name of procuring agency:- EXECUTIVE ENGINEER RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS
Brief discription of work :- Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

Procuring agency address OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX
HYDERABAD

Bid shall be in Pak Rupees

AMOUNT Rs. 0.16 million

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

(F) period of bid validity

60 days

(G) venue, time & date of opening

OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR
AGRICULTURE COMPLEX HYDERABAD

(H) responsiveness of bid

Bid is valid till required period

1.SPPRA www.pprasindh.gov.pk

2. Bid prices are firm during currency of contract/ price adjustment

3.Completion period offered is within specified limits

4. Bidder is eligible to bid and possesses the requisite experience,
capability and qualification

5. Bid does not deviate from basic technical requirement and

6. bids are generally in order etc.

(I) Time for completion from written order of
commence:-

6 months

(J) Liquidity Damages:-

(0.05% On Estimated Cost) per day subject to minimum 10%

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS



RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS DIVISION

Issued to Mr./Messrs _____
Vide D.R. No. _____ Dated _____ for Rs. _____
Date of Issue _____ Date of Opening _____

Executive Engineer
Rural Development Department
MIRPUR KHAS

B-I TENDER FOR WORKS

I/We tender for the execution for the Government of Sindh (herein before and herein after referred to as "Government") of the work specified in the underwritten memorandum within the time specified in such memorandum at PART-A _____ percent below / above & PART-B _____ percent below / above & PART-C _____ percent below / above the estimate rates entered in Schedule 'B' memorandum showing item of work to be carried-out and in accordance in all respect with the specifications/ designs, drawings and instructions in writing referred to in rule hereof and clause 12 of annexed conditions of contract.

MEMORANDUM

General Description:- Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi
1.Kacharo Bhagat Paro Senhar Vikeyo Uc Sonal Beh Taluka Islam Kot

a) Estimated Cost	8.000 MILLION
b) Earnest Money	0.16 MILLION
c) Percentage if any to be deducted from bill @ 8%	
d) Security Deposit i/c earnest money @ 10%	
completion period	18 months

Should this tender be accepted I/We agree to abide by and fulfill the terms and provisions of the conditions of contract annexed hereto as for as applicable and default thereof to forfeit and pay to Government the sum of money mentioned in the said conditions.

RECEIPT NO. _____ DATE _____ From

In respect of the sum of Rs. Call Deposit No. _____ dated _____

From _____ Bank is herewith forwarded representing earnest money. The full value of which is to be absolutely forfeited to Government should I/We not deposit the full amount of security deposit as shown in the above memorandum in accordance with clause of the said conditions. Otherwise the sum of Rs. _____ shall be retained by Government on account of such security deposit as aforesaid or (B) the full value shall be retained by the Government on account of the Security specified in clause 1 (b) of the condition (Schedule-A is attached).

CONTRACTOR

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES
RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS
PART-A TUBE WELL BORING

NAME OF SCHEME: Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District
 Tharparkar @ Mithi

1.Kacharo Bhagat Paro Senhar Vikeyo Uc Sonal Beh Taluka Islam Kot

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Boring for tube well in all water bearing soils from ground level up to 100 ft or 30.5 meter depth i/c sinking and with drawing of casing pipe. 12" dia. (P.H.S.I # 01(g), P.NO. 41)	100.00	743.00	P- RFT	74300.00	
2	Boring for tube well in all water bearing soils from 100.1 to 200 ft or 30.51 to 60.0 meter depth below ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	849.00	P- RFT	84900.00	
3	Boring for tube well in all water bearing soils from 200.1 to 300 ft or 60.01 to 91.50 meter depthbelow ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	989.00	P- RFT	98900.00	
4	Boring for tube well in all water bearing soils from 300.1 to 400 ft or 91.51 to 122.0 meter depthbelow ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	1073.00	P- RFT	107300.00	
5	Supplying and installing PVC blind pipe " D " class of approved design quality and make i/c necessary sockets etc. complete.8" dia (PHES.M,MISC.I.NO.16(iii),P.25)(P.H.S.I.# 12(e), P.NO.44)	240.00	911.01	P- RFT	218642.00	
6	Supplying and fixing PVC D CLASS SLOTED strainers of DADEX OR EQUIVALENT approved quality complete.8" dia.	150.00	1464.67	P- RFT	219701.00	
7	Shrouding with graded bajri (3/8" to1/8") or (9 to3mm) in between bore and blind pipe for the following diameters of strainer.(P.H.S.I.NO. 13(e), P.NO.45)	160.00	105.00	P- RFT	16800.00	
8	SUPPLY C.I End plug 8" Dia.(PHES.M,P.29)	1.00	550.00	EACH	550.00	
9	Taking samples of water from bore hole and plating in two separate bottles. (P.H.S.I.NO. 7, P.NO.43)	20.00	131.00	P.sample	2620.00	

10	Development of tube well Testing charges of samples from laboratory. (P.H.S.I.NO. 8a, P.NO.43)	150.00	200.00	P.rft	30000.00
11	dis-infection of well	1.00	1100.00	job	1100.00
12	Supplying & Installing well head casing & security cap.	1.00	4854.00	P.cwt	4854.00
TOTAL Rs.					859667.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES**RURAL DEVELOPMENT DEPARTMENT****MIRPUR KHAS****PART-B PUMP HOUSE , R.O PLANT ROOM I.C WATER TANK**

NAME OF SCHEME: Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District

Tharparkar @ Mithi

1.Kacharo Bhagat Paro Senhar Vikeyo Uc Sonal Beh Taluka Islam Kot

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Excavation in foundation of building bridges and other structure i/c dagbelling refilling around the structure with excavated earth watering and ramming lead up to 5' ft. (CSI No. 18-b, P.No.4).	694.63	3176.25	P-%0 CFT	2206.00	
2	Cement concrete brick or stone ballast 1 1/2" to 2" gauge RATIO 1:4:8 . (S.I.NO.4 , P-15)	268.30	9416.28	P-% CFT	25264.00	
3	Pacca Brick work in foundation and plinth with cement . (CSI NO: 4, P.No. 20)(1:6)	172.03	11948.36	P-% CFT	20555.00	
4	RCC work i/c all labor and material except the cost of steel reinforcement and its labor for bending and binding which will be paid separately. This rate also i/c all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle. (a) RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situe or pre cost laid in position and complete in all respects. Ratio (1:2:4) (CSI No. 6-a, P.19)	684.43	337.00	P- CFT	230653.00	
5	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making jointing and fastening i/c cost of bending wire also includes removal of rust from bars. (CSI No. 8 a, P.No: 20)	27.50	5001.70	P- CWT.	137547.00	
6	Filling Watering & Ramming earth floor from foundation surplus earth foundation earth from foundation lead up to one chain and lift up 3'ft. (CSI No. 21, P.No. 4).	465.40	1512.50	P-%0 cft	704.00	
7	Filling Watering & Ramming earth under floor with new earth excavated out side lead up to one chain and lift up5'ft.(CSI No. 22, P.No. 4).	576.00	3630.00	P-%0 cft	2091.00	

8	Pacca Brick work in ground floor in cement sand mortar.(1:6) (CSI NO: 5, P.No. 21)	700.73	12674.36	P-% cft	88813.00
9	P/F G.I frame chowkata of size 7"x2" or 4½" x3" for door using 20' guage G.I sheet i.c welding hings and fixing at site with necessary hold fasts filling with cement sand slury of ratio 1:6 and repairing the jambs the cost also i.c all carriage tools and plants used in making and fixing (SI No. 29, P.No. 93).	35.00	228.90	P-rft	8012.00
10	P/F G.I frame chowkata of size 7"x2" or 4½" x3" for windows using 20' guage G.I sheet i.c welding hings and fixing at site with necessary hold fasts filling with cement sand slury of ratio 1:6 and repairing the jambs the cost also i.c all carriage tools and plants used in making and fixing (SI No. 28, P.No. 93).	49.36	240.50	P-rft	11871.00
11	S/F in position steel grill of size ¾" x ¼" flat iron of approved design i.c painting three coats (CSI No. 26, P.No:92)	103.00	180.50	P-sft	18592.00
12	Cement Plaster (1:6) up to 20' height 3/8" thick (CSI No. 13-b, P.No:52)	1969.25	2122.72	P% sft	41802.00
13	Cement Plaster (1:4) up to 20' height ½" thick (CSI No. 11, P.No:57)	1969.25	2283.93	P% sft	44976.00
14	Providing and lying 1" Thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels:(CSI No: 16, P.No: 42). 2" THICK	282.00	3275.50	P% sft	9237.00
15	Fisrt Class Deodar wood wrought joinery in door and windows etc fixed in position i/c chowkats fasts higes iron towers cleats deodar paneled 1¾" thick. .	80.56	1273.76	P sft	102614.00
16	Preparing surface painting to door and windows three coats new surface. (CSI No. 5c, P.No. 70).	161.10	2116.41	P %sft	3410.00
17	Colour washing (b) Two coats. (S.I.NO.25, P.NO.53)	1969.25	859.90	P %sft	16934.00
18	Wiring for light or fan point with 1/1.13mm (3/.029) PVC insulated wire in 20mm (3/4 in) PVC recessed in wall or in column as required (C.S.E.I.P,15.It,124)	5.00	1130.00	P - point	5650.00

19	Wiring for plug point with 1/1.13 mm (3/.029) PVC insulated wire in 25mm 1" PVC recessed in the wall or in the column as required . (C.S.E.I.P15.It,126)	4.00	985.00	P - point	3940.00
20	P/fixing one way S.P 5 Amp switch flush type . (C.S.E.219.P,10.It,1(A) (Sub head XI)	6.00	54.00	P - point	324.00
21	P/F two pin 5 Amp plug & socket(C.S.E.I.P,33.It,222 (Sub head XI)	6.00	80.00	P - point	480.00
22	P/- circuit breaker 6,10,15,20,30,40,50&63 Amp D.P(TB-55) On a prepared board as required . (C.S.E.I.P,31.It,204) (Sub head X)	2.00	2456.00	P - point	4912.00
TOTAL Rs.					780587.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES
RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS

PART-E PUMPING MACHINERY

NAME OF SCHEME: Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

1.Kacharo Bhagat Paro Senhar Vikeyo Uc Sonal Beh Taluka Islam Kot

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Providing and installing in position i.c transportation to site of work GRUNDFOS HMA Submersible pump type HSP 8A-30+ 7.5 BHP MOTOR complete capable to discharge 25 GPM against a head of 400 ft 7.5 HP HMA motor (3 x 380v x 2 pole) i.c riser pipe of 2" dia of 39 nos of 10 ft each with flanged ends. The flanges are notched to accommodate the cable i.c top set of 2" dia containing bore hole cover plate with 90 degree bend, sluice valve, jacket, nut bolts and 2 sets of installation clamps i.c nipple of 2" dia. i.c 7.5 HP motor control unit consist of metallic box, electric over current relay, magnetic contractor, under/ over voltage	1.00	1003000.00	NO.	1003000.00	
2	Manufacturing supplying and fixing black steel MS pipe 3" dia made out of MS sheet 5mm" thick confirming to API 5L GRADE X_42 ERW external bitumen coating with fiber glass 5.0 mm thick . (S.M.P.H.E.,I.NO.1 ;P-22)	60.00	650.15	RFT	39009.00	
3	Supplying C.I.Bend with flanged ends with holes i/c turning and facing of flanges for all size. (S.M.P.H.E.I.NO.9(8),P-12)	180.00	120.00	P- KG	21600.00	
4	Supplying C.I.Tee with flanged ends with holes i/c turning and facing of facing of flanges for all size 3" dia. . (S.M.P.H.E.I.NO.9(12),P-12)	70.00	120.00	P- KG	8400.00	
5	C.I.tapered flat bottom or central TAPPERED flanged ends with holes i/c turning and facing of linages for all size (S.M.P.H.E.I.NO.9(12),P-9)	80.00	120.00	P- KG	9600.00	
6	Supplying C.I sluice value heavy pattern test pressure 3" DIA(S.M.P.H.E.I.NO.2(A),P-11)	2.00	4290.00	P- EACH	8580.00	
7	Supplying C.I.Reflex value heavy pattern test pressure IMPORTED (S.M.P.H.E.I.NO.6(A),P-11)	1.00	1543.00	P- EACH	1543.00	

8	Providing and installation of R.O PLANT of capacity 3000 GPD for 20000 TDS @ site i.c all accessories to complete filtration process of water as per R.O technology of (so safe or equivalent) approved quality rate i.c all the machinery such as raw water feed 1 1/2 HP pump, filters, ultra violet sterlizer system RO system with membrane water storage tank all installation charges , transportation charges etc complete.	1.00	2870000.00	P- EACH	2870000.00
9	Providing and installation of solar electric system of capacity to generate 9500 watts electricity, complete in all respect with all ins:ruements/ accessories i.c required no. of solar panels (taiwan made or equivalent quality)with MS mounting frames, inverters, necessary wiring (16 mm pure copper wire or as as directed by engineer incharge) necessary switches, circuit brakers etc complete for energising Ro plant as well as submersible pump simultaneously. rate i.c transportation chrges etc complete.	9500.00	220.00	each watt	2090000.00
TOTAL Rs.					6051732.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

GOVERNMENT OF SINDH

RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS



BIDDING DOCUMENT FOR

Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi
3.Hamer Lanjo Village Menyo Lanjo Uc Sengharo Taluka Islam Kot

Name of procurring agency:- EXECUTIVE ENGINEER RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS
Brief discription of work :- Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

Precurring agency address OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX
HYDERABAD

Bid shall be in Pak Rupees

AMOUNT Rs. 0.16 million

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

(F) period of bid validity

60 days

(G) venue, time & date of opening

OLD SRTC BUILDING PREMISES WAHDAT COLONY NEAR
AGRICULTURE COMPLEX HYDERABAD

(H) responsiveness of bid

Bid is valid till required period

1.SPPRA www.pprasindh.gov.pk

2. Bid prices are firm during currency of contract/ price adjustment

3. Completion period offered is within specified limits

4. Bidder is eligible to bid and possesses the requisite experience, capability and qualification

5. Bid does not deviate from basic technical requirement and

6. bids are generally in order etc.

(I) Time for completion from written order of commence:-

6 months

(J) Liquidity Damages:-

(0.05% On Estimated Cost) per day subject to minimum 10%

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS



RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS DIVISION

Issued to Mr./Messrs _____
Vide D.R. No. _____ Dated _____ for Rs. _____
Date of Issue _____ Date of Opening _____

Executive Engineer
Rural Development Department
MIRPUR KHAS

B-I TENDER FOR WORKS

I/We tender for the execution for the Government of Sindh (herein before and herein after referred to as "Government") of the work specified in the underwritten memorandum within the time specified in such memorandum at PART-A _____ percent below / above & PART-B _____ percent below / above & PART-C _____ percent below / above the estimate rates entered in Schedule 'B' memorandum showing item of work to be carried-out and in accordance in all respect with the specifications/ designs, drawings and instructions in writing referred to in rule hereof and clause 12 of annexed conditions of contract.

MEMORANDUM

General Description:- Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi
3.Hamer Lanjo Village Menyo Lanjo Uc Sengharo Taluka Islam Kot

a) Estimated Cost	8.000 MILLION
b) Earnest Money	0.16 MILLION
c) Percentage if any to be deducted from bill @ 8%	
d) Security Deposit i/c earnest money @ 10%	
completion period	18 months

Should this tender be accepted I/We agree to abide by and fulfill the terms and provisions of the conditions of contract annexed hereto as far as applicable and default thereof to forfeit and pay to Government the sum of money mentioned in the said conditions.

RECEIPT NO. _____ DATE _____ From _____

In respect of the sum of Rs. Call Deposit No. _____ dated _____

From _____ Bank is herewith forwarded representing earnest money. The full value of which is to be absolutely forfeited to Government should I/We not deposit the full amount of security deposit as shown in the above memorandum in accordance with clause of the said conditions. Otherwise the sum of Rs. _____ shall be retained by Government on account of such security deposit as aforesaid or (B) the full value shall be retained by the Government on account of the Security specified in clause 1 (b) of the condition (Schedule-A is attached).

CONTRACTOR

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES
RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS

PART-A TUBE WELL BORING

NAME OF SCHEME: Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

3.Hamer Lanjo Village Menyo Lanjo Uc Sengharo Taluka Islam Kot

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Boring for tube well in all water bearing soils from ground level up to 100 ft or 30.5 meter depth i/c sinking and with drawing of casing pipe. 12" dia. (P.H.S.I # 01(g), P.NO. 41)	100.00	743.00	P- RFT	74300.00	
2	Boring for tube well in all water bearing soils from 100.1 to 200 ft or 30.51 to 60.0 meter depth below ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	849.00	P- RFT	84900.00	
3	Boring for tube well in all water bearing soils from 200.1 to 300 ft or 60.01 to 91.50 meter depthbelow ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	989.00	P- RFT	98900.00	
4	Boring for tube well in all water bearing soils from 300.1 to 400 ft or 91.51 to 122.0 meter depthbelow ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	1073.00	P- RFT	107300.00	
5	Supolying and installing PVC blind pipe " D " class of approved design quality and make i/c necessary sockets etc. complete.8" dia. PHES.M,MISC.I.NO.16(iii),P.25)(P.H.S.I.# 12(e), P.NO.44)	240.00	911.01	P- RFT	218642.00	
6	Supolying and fixing PVC D CLASS SLOTEO strainers of DADEX OR EQUIVALENT approved quality complete.8" dia.	150.00	1464.67	P- RFT	219701.00	
7	Shrcuding with graded bajri (3/8" to1/8") or (9 to3mm) in between bore and blind pipe for the following diameters of strainer.(P.H.S.I.NO. 13(e), P.NO.45)	160.00	105.00	P- RFT	16800.00	
8	SUPPLY C.I End plug 8" Dia.(PHES.M,P.29)	1.00	550.00	EACH	550.00	
9	Taking samples of water from bore hole and placing in two separate bottles. (P.H.S.I.NO. 7, P.NO.43)	20.00	131.00	P.sample	2620.00	

10	Development of tube well Testing charges of samples from laboratory. (P.H.S.I.NO. 8a, P.NO.43)	150.00	200.00	P.rft	30000.00
11	dis-infection of well	1.00	1100.00	job	1100.00
12	Supplying & Installing well head casing & Security cap.	1.00	4854.00	P.cwt	4854.00
TOTAL Rs.					859667.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES**RURAL DEVELOPMENT DEPARTMENT****MIRPUR KHAS****PART-B PUMP HOUSE , R.O PLANT ROOM I.C WATER TANK**NAME OF SCHEME: Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

3.Hamer Lanjo Village Menyo Lanjo Uc Sengharo Taluka Islam Kot

S.NO	DISCRIPTION OF ITEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Excavation in foundation of building bridges and other structure i/c dagbelling refilling around the structure with excavated earth watering and ramming lead up to 5' ft. (CSI No. 18-b, P.No.4).	694.63	3176.25	P-% CFT	2206.00	
2	Cement concrete brick or stone ballast 1 1/2" to 2" gauge RATIO 1:4:8 . (S.I.NO.4 , P-15)	268.30	9416.28	P-% CFT	25264.00	
3	Pacca Brick work in foundation and plinth with cement . (CSI NO: 4, P.No. 20)(1:6)	172.03	11948.36	P-% CFT	20555.00	
4	RCC work i/c all labor and material except the cost of steel reinforcement and its labor for bending and binding which will be paid separately. This rate also i/c all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle. (a) RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situ or pre cast laid in position and complete in all respects. Ratio (1:2:4) (CSI No. 6-a, P.19)	684.43	337.00	P- CFT	230653.00	
5	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making jointing and fastening i/c cost of bending wire also includes removal of rust from bars. (CSI No. 8 a, P.No: 20)	27.50	5001.70	P- CWT.	137547.00	
6	Filling Watering & Ramming earth floor from foundation surplus earth foundation earth from foundation lead up to one chain and lift up 5'ft. (CSI No. 21, P.No. 4).	465.40	1512.50	P-%0 cft	704.00	
7	Filling Watering & Ramming earth under floor with new earth excavated out side lead up to one chain and lift up5'ft.(CSI No. 22, P.No. 4).	576.00	3630.00	P-%0 cft	2091.00	

8	Pacca Brick work in ground floor in cement sand mortar.(1:6) (CSI NO: 5, P.No. 21)	700.73	12674.36	P-% cft	88813.00
9	P/F G.I frame chowkata of size 7"x2" or 4½" x3" for door using 20' guage G.I sheet i.c welding hings and fixing at site with necessary hold fasts filling with cement sand slurry of ratio 1:6 and repairing the jambs the cost also i.c all carriage tools and plants used in making and fixing (SI No. 29, P.No. 93).	35.00	228.90	P-rft	8012.00
10	P/F G.I frame chowkata of size 7"x2" or 4½" x3' for windows using 20' guage G.I sheet i.c welding hings and fixing at site with necessary hold fasts filling with cement sand slurry of ratio 1:6 and repairing the jambs the cost also i.c all carriage tools and plants used in making and fixing (SI No. 28, P.No. 93).	49.36	240.50	P-rft	11871.00
11	S/f in position steel grill of size ¾" x ¾" flat iron of approved design i.c painting three coats (CSI No. 26, P.No:92)	103.00	180.50	P-sft	18592.00
12	Cement Plaster (1:6) up to 20' height 3/8" thick (CSI No. 13-b, P.No:52)	1969.25	2122.72	P% sft	41802.00
13	Cement Plaster (1:4) up to 20' height ½" thick (CSI No. 11, P.No:57)	1969.25	2283.93	P% sft	44976.00
14	Providing and lying 1" Thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels:(CSI No: 16, P.No: 42). 2" THICK	282.00	3275.50	P% sft	9237.00
15	First Class Deodar wood wrought joinery in door and windows etc fixed in position i/c chowkats fasts hirges iron towers cleats deodar paneled 1¾" thick. .	80.56	1273.76	P sft	102614.00
16	Preparing surface painting to door and windows three coats new surface. (CSI No. 5c, P.No. 70).	161.10	2116.41	P %sft	3410.00
17	Colour washing (b) Two coats. (S.I.NO.25, P.NO.53)	1969.25	859.90	P %sft	16934.00
18	Wiring for light or fan point with 1/1.13mm (3/.029) PVC insulated wire in 20mm (3/4 in) PVC recessed in wall or in column as required (C.S.E.I.P,15.It,124)	5.00	1130.00	P - point	5650.00

19	Wiring for plug point with 1/1.13 mm (3/.029) PVC insulated wire in 25mm 1" PVC recessed in the wall or in the column as required . (C.S.E.I.P15.It,126)	4.00	985.00	P - point	3940.00
20	P/fixing one way S.P 5 Amp switch flush type . (C.S.E.219.P,10.It,1(A) (Sub head XI)	6.00	54.00	P - point	324.00
21	P/F two pin 5 Amp plug & socket(C.S.E.I.P,33.It,222 (Sub head XI)	6.00	80.00	P - point	480.00
22	P/F circuit breaker 6,10,15,20,30,40,50&63 Amp D.P(TB-5S) On a prepared board as required . (C.S.E.I.P,31.It,204) (Sub head X)	2.00	2456.00	P - point	4912.00
TOTAL Rs.					780587.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES
RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS

PART-E PUMPING MACHINERY

NAME OF SCHEME: Installation Of Five No. Tube Wells(solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

3.Hamer Lanjo Village Menyo Lanjo Uc Sengharo Taluka Islam Kot

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Providing and installing in position i.c transportation to site of work GRUNDFOS HMA Submersible pump type HSP 8A-30+ 7.5 BHP MOTOR complete capable to discharge 25 GPM against a head of 400 ft 7.5 HP HMA motor (3 x 380v x 2 pole) i.c riser pipe of 2" dia of 39 nos of 10 ft each with flanged ends. The flanges are notched to accomodate the cable i.c top set of 2" dia containing bore hole cover plate with 90 degree bend, sluice valve, jacket, nut bolts and 2 sets of installation clamps i.c nipple of 2" dia. i.c 7.5 HP motor control unit consist of metallic box, electric over current relay, megnatic contractor, under/ over voltage	1.00	1003000.00	NO.	1003000.00	
2	Manufacturing supplying and fixing black steel MS pipe 3" dia made out of MS sheet 5mm" thick confirming to API 5L GRADE X_42 ERW external bitumen coating with fiber glass 5.0 mm thick . (S.M.P.H.E.,I.NO.1 ;P-22)	60.00	650.15	RFT	39009.00	
3	Supplying C.I.Bend with flanged ends with holes i/c turning and facing of flanges for all size. (S.M.P.H.E.I.NO.9(8),P-12)	180.00	120.00	P- KG	21600.00	
4	Supplying C.I.Tee with flanged ends with holes i/c turning and facing of facing of flanges for all size 3" dia.. (S.M.P.H.E.I.NO.9(12),P-12)	70.00	120.00	P- KG	8400.00	
5	C.I. tapered flat bottom or central TAPERED flanged ends with holes i/c turning and facing of l nages for all size (S.M.P.H.E.I.NO.9(12),P-9)	80.00	120.00	P- KG	9600.00	
6	Supplying C.I sluice value heavy pattern test pressure 3" DIA(S.M.P.H.E.I.NO.2(A),P-11)	2.00	4290.00	P- EACH	8580.00	
7	Supplying C.I. Reflex value heavy pattern test pressure IMPORTED (S.M.P.H.E.I.NO.6(A),P-11)	1.00	1543.00	P- EACH	1543.00	

8	Providing and installation of R.O PLANT of capacity 3000 GPD for 20000 TDS @ site i.c all accessories to complete filtration process of water as per R.O technology of (so safe or equivalent) approved quality rate i.c all the machinery such as raw water feed 1 1/2 HP pump, filters, ultra violet sterlizer system RO system with membrane water storage tank all installation charges , transportation charges etc complete.	1.00	2870000.00	P- EACH	2870000.00
9	Providing and installation of solar electric system of capacity to generate 9500 watts electricity, complete in all respect with all instruemnts/ accessories i.c required no. of solar panels (taiwan made or equivalent quality)with MS mounting frames, inverters, necessary wiring (16 mm pure copper wire or as as directed by engineer incharge) necessarry switches, circuit brakers etc complete for energising Ro plant as well as submerssible pump simultaneously. rate i.c transportation chrges etc complete.	9500.00	220.00	each watt	2090000.00
TOTAL Rs.					6051732.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

GOVERNMENT OF SINDH

RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS



BIDDING DOCUMENT FOR

Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi
2. Sukhio Bheal Village Gomdi Je Dani Uc Sonal Beh Taluka Islam Kot

Name of procurring agency:- EXECUTIVE ENGINEER RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS
Brief discription of work :- Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

Precurring agency address OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX
HYDERABAD

Bid shall be in Pak Rupees

AMOUNT Rs. 0.16 million

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

(F) period of bid validity

60 days

(G) venue, time & date of opening

OLD SRTC BUILDING PREMISES WAHDAT COLONY NEAR
AGRICULTURE COMPLEX HYDERABAD

(H) responsiveness of bid

Bid is valid till required period

1.SPPRA www.pprasindh.gov.pk

2. Bid prices are firm during currency of contract/ price adjustment

3.Completion period offered is within specified limits

4. Bidder is eligible to bid and possesses the requisite experience,
capability and qualification

5. Bid does not deviate from basic technical requirement and

6. bids are generally in order etc.

(I) Time for completion from written order of
commence:-

6 months

(J) Liquidity Damages:-

(0.05% On Estimated Cost) per day subject to minimum 10%

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS



RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS DIVISION

Issued to Mr./Messrs _____
Vide D.R. No. _____ Dated _____ for Rs. _____
Date of Issue _____ Date of Opening _____

Executive Engineer
Rural Development Department
MIRPUR KHAS

B-I TENDER FOR WORKS

I/We tender for the execution for the Government of Sindh (herein before and herein after referred to as "Government") of the work specified in the underwritten memorandum within the time specified in such memorandum at PART-A _____ percent below / above & PART-B _____ percent below / above & PART-C _____ percent below / above the estimate rates entered in Schedule 'B' memorandum showing item of work to be carried-out and in accordance in all respect with the specifications/ designs, drawings and instructions in writing referred to in rule hereof and clause 12 of annexed conditions of contract.

MEMORANDUM

General Description:- Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District Tharparkar @ Mithi
2. Sukhio Bheal Village Gomdi Je Dani Uc Sonal Beh Taluka Islam Kot

a) Estimated Cost	8.000 MILLION
b) Earnest Money	0.16 MILLION
c) Percentage if any to be deducted from bill @ 8%	
d) Security Deposit i/c earnest money @ 10%	
completion period	18 months

Should this tender be accepted I/We agree to abide by and fulfill the terms and provisions of the conditions of contract annexed hereto as far as applicable and default thereof to forfeit and pay to Government the sum of money mentioned in the said conditions.

RECEIPT NO. _____ DATE _____ From

In respect of the sum of Rs. Call Deposit No. _____ dated _____

From _____ Bank is herewith forwarded representing earnest money. The full value of which is to be absolutely forfeited to Government should I/We not deposit the full amount of security deposit as shown in the above memorandum in accordance with clause of the said conditions. Otherwise the sum of Rs. _____ shall be retained by Government on account of such security deposit as aforesaid or (B) the full value shall be retained by the Government on account of the Security specified in clause 1 (b) of the condition (Schedule-A is attached).

CONTRACTOR

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES
RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS
PART-A TUBE WELL BORING

NAME OF SCHEME: Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District
 Tharparkar @ Mithi
 2. Sukhio Bheal Village Gomdi Je Dani Uc Sonal Beh Taluka Islam Kot

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Boring for tube well in all water bearing soils from ground level up to 100 ft or 30.5 meter depth i/c sinking and with drawing of casing pipe. 12" dia. (P.H.S.I # 01(g), P.NO. 41)	100.00	743.00	P- RFT	74300.00	
2	Boring for tube well in all water bearing soils from 100.1 to 200 ft or 30.51 to 60.0 meter depth below ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	849.00	P- RFT	84900.00	
3	Boring for tube well in all water bearing soils from 200.1 to 300 ft or 60.01 to 91.50 meter depthbelow ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	989.00	P- RFT	98900.00	
4	Boring for tube well in all water bearing soils from 300.1 to 400 ft or 91.51 to 122.0 meter depthbelow ground level i/c sinking and with drawing of casing pipe.12" dia. . (P.H.S.I # 02(e), P.NO. 36)	100.00	1073.00	P- RFT	107300.00	
5	Supplying and installing PVC blind pipe " D " class of approved design quality and make i/c necessary sockets etc. complete.8" dia.(PHES.M,MISC.I.NO.16(iii),P.25)(P.H.S.I.# 12(e), P.NO.44)	240.00	911.01	P- RFT	218642.00	
6	Supplying and fixing PVC D CLASS SLOTED strainers of DADEX OR EQUIVALENT approved quality complete.8" dia.	150.00	1464.67	P- RFT	219701.00	
7	Shrcuding with graded bajri (3/8" to1/8") or (9 to3mm) in between bore and blind pipe for the following diameters of strainer.(P.H.S.I.NO. 13(e), P.NO.45)	160.00	105.00	P- RFT	16800.00	
8	SUPPLY C.I End plug 8" Dia.(PHES.M,P.29)	1.00	550.00	EACH	550.00	
9	Taking samples of water from bore hole and placing in two separate bottles. (P.H.S.I.NO. 7, P NO.43)	20.00	131.00	P.sample	2620.00	

10	Development of tube well Testing charges of samples from laboratory. (P.H.S.I.NO. 8a, P.N.O.43)	150.00	200.00	P.rft	30000.00
11	dis- nfection of well	1.00	1100.00	job	1100.00
12	Supplying & Installing well head casing & Security cap.	1.00	4854.00	P.cwt	4854.00
TOTAL Rs.					859667.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES**RURAL DEVELOPMENT DEPARTMENT****MIRPUR KHAS****PART-B PUMP HOUSE , R.O PLANT ROOM I.C WATER TANK**NAME OF SCHEME: Installation Of Five No. Tube Wells (solar system) For Taluka Mithi And Islam Kot District
Tharparkar @ Mithi

2. Sukhio Bheal Village Gomdi Je Dani Uc Sonal Beh Taluka Islam Kot

S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
1	Excavation in foundation of building bridges and other structure i/c dagbelling refilling around the structure with excavated earth watering and ramming lead up to 5' ft. (CSI No. 18-b, P.No.4).	694.63	3176.25	P-% CFT	2206.00	
2	Cement concrete brick or stone ballast 1 1/2" to 2" gauge RATIO 1:4:8 . (S.I.NO.4 , P-15)	268.30	9416.28	P-% CFT	25264.00	
3	Paoca Brick work in foundation and plinth with cement . (CSI NO: 4, P.No. 20)(1:6)	172.03	11948.36	P-% CFT	20555.00	
4	RCC work i/c all labor and material except the cost of steel reinforcement and its labor for bending and binding which will be paid separately. This rate also i/c all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle. (a) RCC work in roofs slabs beams columns rafts lintels and other structural members laid in situe or pre cost laid in position and complete in all respects. Ratio (1:2:4) (CSI No. 6-a. P.19)	684.43	337.00	P- CFT	230653.00	
5	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making jointing and fastening i/c cost of bending wire also includes removal of rust from bars. (CSI No. 8 a, P.No: 20)	27.50	5001.70	P- CWT.	137547.00	
6	Filling Watering & Ramming earth floor from foundation surplus earth foundation earth from foundation lead up to one chain and lift up 5'ft. (CSI No. 21, P.No. 4).	465.40	1512.50	P-% cft	704.00	
7	Filling Watering & Ramming earth under floor with new earth excavated out side lead up to one chain and lift up5'ft.(CSI No. 22, P.No. 4).	576.00	3630.00	P-% cft	2091.00	

8	Pacca Brick work in ground floor in cement sand mortar.(1:6) (CSI NO: 5, P.No. 21)	700.73	12674.36	P-% cft	88813.00
9	P/F G.I frame chowkata of size 7"x2" or 4½" x3" for door using 20' guage G.I sheet i.c welding hings and fixing at site with necessary hold fasts filling with cement sand slurry of ratio 1:6 and repairing the jambs the cos: also i.c all carriage tools and plants used in making and fixing (Si No. 29, P.No. 93).	35.00	228.90	P-rft	8012.00
10	P/F G.I frame chowkata of size 7"x2" or 4½" x3" for windows using 20' guage G.I sheet i.c welding hings and fixing at site with necessary hold fasts filling with cement sand slurry of ratio 1:6 and repairing the jambs the cost also i.c all carriage tools and plants used in making and fixing (Si No. 28, P.No. 93).	49.36	240.50	P-rft	11871.00
11	S/F in position steel grill of size ¾" x ¼" flat iron of approved design i.c painting three coats (CSI No. 26, P.No:92)	103.00	180.50	P-sft	18592.00
12	Cement Plaster (1:6) up to 20' height 3/8" thick (CSI No. 13-b, P.No:52)	1969.25	2122.72	P% sft	41802.00
13	Cement Plaster (1:4) up to 20' height ½" thick (CSI No. 11, P.No:57)	1969.25	2283.93	P% sft	44976.00
14	Providing and lying 1" Thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels:(CSI No: 16, P.No: 42). 2" THICK	282.00	3275.50	P% sft	9237.00
15	Fisrt Class Deodar wood wrought joinery in door and windows etc fixed in position i/c chowkats fasts hirges iron towers cleats deodar paneled 1¾" thick. .	80.56	1273.76	P sft	102614.00
16	Preparing surface painting to door and windows three coats new surface. (CSI No. 5c, P.No. 70).	161.10	2116.41	P %sft	3410.00
17	Colour washing (b) Two coats. (S.I.NO.25, P.NO.53)	1969.25	859.90	P %sft	16934.00
18	Wiring for light or fan point with 1/1.13mm (3/.029) PVC insulated wire in 20mm (3/4 in) PVC recessed in wall or in column as required (C.S.E.I.P,15.It,124)	5.00	1130.00	P - point	5650.00

19	Wiring for plug point with 1/1.13 mm (3/.029) PVC insulated wire in 25mm 1" PVC recessed in the wall or in the column as required . (C.S.E.I.P15.It,126)	4.00	985.00	P - point	3940.00
20	P/fixing one way S.P 5 Amp switch flush type . (C S.E.219.P,10.It,1(A) (Sub head XI)	6.00	54.00	P - point	324.00
21	P/F two pin 5 Amp plug & socket(C.S.E.I.P,33.It,222 (Sub head XI)	6.00	80.00	P - point	480.00
22	P/F circuit breaker 6,10,15,20,30,40,50&63 Amp D.P(TB-5S) On a prepared board as required . (C.S.E.I.P,31.It,204) (Sub head X)	2.00	2456.00	P - point	4912.00
TOTAL Rs.					780587.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

BILL OF QUANTITIES
RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS

8	Providing and installation of R.O PLANT of capacity 3000 GPD for 20000 TDS @ site i.c all accessories to complete filtration process of water as per R.O technology of (so safe or equivalent) approved quality rate i.c all the machinery such as raw water feed 1 1/2 HP pump, filters, ultra violet sterilizer system RO system with membrane water storage tank all installation charges , transportation charges etc complete.	1.00	2870000.00	P- EACH	2870000.00
9	Providing and installation of solar electric system of capacity to generate 9500 watts electricity, complete in all respect with all instruments/ accessories i.c required no. of solar panels (taiwan made or equivalent quality)with MS mounting frames, inverters, necessary wiring (16 mm pure copper wire or as as directed by engineer incharge) necessary switches, circuit breakers etc complete for energising Ro plant as well as submersible pump simultaneously. rate i.c transportation charges etc complete.	9500.00	220.00	each watt	2090000.00
TOTAL Rs.					6051732.00

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS