## **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

Precuring agency address

OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX

**HYDERABAD** 

Bid shall be in Pak Rupees

AMOUNT Rs.

0.16 million

(F) period of bid validity

(G) venue, time & date of opening

OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR
AGRICULTURE COMPLEX HYDERABAD

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 periodoffered is within specified limits

4. Bidderis eligible to bidand 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:-

(J) Liquidity Damages:-

6 months

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



ssued to Mr./Messrs			
/ide D.R. No	Dated _	for Rs	
Date of Issue		Date of Opening	

#### Executive Engineer Rural Development Department

DIVISION

MIRPUR KHAS

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TENDER FOR WORKS		
"Government") of the	recution—for the Government of Sindh (herein before and herein after referred to as work specified in the underwritten memorandum within the time specified in such	š
	YT-A percent below / above & PART-	
estimate rates entere accordance in all res	percent below / above & PART-Cpercent below / above the in Schedule 'B' memorandum showing item of work to be carried-out and in ect with the specifications/ designs, drawings and instructions in writing referred to it 12 of annexed conditions of contract.	n
	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) E arnest Money	0.16 MILLION	
c) Percentage if any	be	
deducted from bill @	<b>1</b> %	
d) Elecurity Deposit i/	earnest	
money @ 10%	- Indiana de la companya della companya della companya de la companya de la companya della compa	
completion period	18 months	
	be accepted I/We agree to abid by and fulfill the terms and provisions of the	
	ct annexed hereto as for as applicable and default thereof to forfeit and pay to	
Government the su	n of money mentioned in the said conditions.	
RE	CEIPT NO DATEFrom	
In respect of the s	m of Rs. Call Deposit Nodated	
which is to be abso security deposit as conditions. Otherw	Bank is herewith forwarded representing earnest money. The full value of utely forfeited to Government should I/We not deposit the full amount of shown in the above memorandum in accordance with clause of the said se the sum of Rs shall be retained by Government on account of it 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

#### 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.
	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	742.00	D. DET	74200.00
	Bor ng for tube well in all water bearing soils	100.00	743.00	P- KF1	74300.00
	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
	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.) # 02(e), P.NO. 36 )	100.00	989.00	P- RFT	98900.00
•	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.! # 02(e), P.NO. 36 )	100.00	1073.00	P- RFT	107300.00
	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
	Supplying and fixing PVC D CLASS SLOTED strainers of DADEX OR EQUIVALENT approved quality complete.8" dia.				
;	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.J.NO. 13(e), P.NO.45)	150.00	1464.67	P- RFT	219701.00
		160.00	105.00	P- RFT	16800.00
	SUPPLY C.I End plug 8" Dia.(PHES.M,P.29)				
	Tab an annular of contraction in the first	1.00	550.00	EACH	550.00
'	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

			ТО	TAL Rs.	859667.00
	Supplying & installing well head casing & Security cap.	1.00	4854 <u>.00</u>	P.cwt	4854.00
11	dis-infection of well	1.00	1100.00	job	1100.00
	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

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

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#### 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).				
	140. 30.0, 1.140.4).	694. <u>63</u>	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)				
	5 Fab ication of mild steel reinforcement for cerr ent 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)			P- CFT	230653.00 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).		0 1512.5	0 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).	576.0	0 3630.0	0 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
	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 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
	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	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		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		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.lt,124)	5.00	1130.00	P - point	5650.00

			ТО	TAL Rs.	780587.00
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
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
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
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

	% above/below on the rate of CS	R Rs		
DUBEEO IN WORKS	G.TOTAL	Rs		
RUPEES IN WORDS:-			· <u></u>	

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 Submerssible pump type HSP 8A-30+					
	7.5 BHP MOTOR complete capable to					
	discharge 25 GPM against a head of 400 ft					
	7.5 FP HMA motor (3 x 380v x 2 pole) i.c riser				ļ	
	pipe of 2"dia of 39 nos of 10 ft eachwith					
	flanged ends. The flanges are notched to					
	accomodate the cable i.c top set of 2" dia					
	containing bore hole cover plate with 90				ļ	
	degree bend, sluice valve, jacket, nut bolts					
	and 2 sets of installation clamps i.c nipple of					
	2" diai.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.	1003	00.000
	2 Manufacturing supplying and fixing black			_		
	stee 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.↑A.P.H.E.,J.NO.1 ;P-22)	60.00	650.15	RET	390	009.00
	3 Supplying C.I.Bend with flanged ends with	00.00	030.13		33,	
	holes i/c turning and facing of flanges for all	!				
	size.	180.00	120.00	P- KG	210	500.00
	. (S.MP.H.E.INO.9(8),P-12)	180.00	120.00	- 10		
	4 Supplying C.I.Tee with flanged ends with					
	holes i/c turning and facing of facing of		]			
	flanges for all size 3"dia (			D 1/C	,	00.00
	S.MP.H.E.INO.9(12),P-12 )	70.00	120.00	P- KG	. 84	00.00
	5 C.I.tapered flat bottom or central TAPPERED					
	flanged ends with holes i/c turning and facing		ļ			•
	of linages for all size (S.MP.H.E.INO.9(12),P-9		i			
	)	80.00	120.00	P- KG	96	00.00
	6 Supplying C.I sluice value heavy pattern test				1	
	pressure 3" DIA( S.MP.H.E.INO.2(A),P-11 )					
i		2.00	4290.00	P- EACH	8.5	580.00
	7 Supplying C.I.Reflex value heavy pattern test					
	pressure IMPORTED (S.MP.H.E.INO.6(A),P-					
i	11	1.00	1543.00	P- EACH	1!	543.00

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

RUPEES IN WORDS:-	G.TOTAL	Rs

## **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

Precuring agency address

OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX

**HYDERABAD** 

Bid shall be in Pak Rupees

AMOUNT Rs.

0.16 million

• I	
(=) period of bid validity	60 days
(G) venue, time & date of opening	OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX HYDERABAD
(Lesponsiveness 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 periodoffered is within specified limits
	<ul> <li>4. Bidderis eligible to bidand possesses the requisite experience,</li> <li>capability and qualification</li> <li>5. Bid does not deviate from basic technical requirement and</li> </ul>
	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%
	EVECUTIVE ENGINEED

#### RURAL DEVELOPMENT DEPARTMENT

MIRPUR KHAS

DIVISION

	NONNE DEVELOP	MENT DEFANTMEN	, and or read	DIV
	Issued to Mr./Messrs			
1:100/0/3	Vide D.R. No.	Dated	for Rs	
Con Sur	Date of Issue	Date of	Opening	

#### Executive Engineer Rural Development Department

#### MIRPUR KHAS

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			WHITE OIL KITAS	
TENDER FOR WORKS				
"Government") of the memorandum at _P/ B	e work specified in ART-Apercent below /	the underwritten me percent belo above & PART-C	percent below /	ied in such above the
accordance in all res	spect with the spec		ng item of work to be carried-out a rawings and instructions in writin	
		MEMORANDUM		
General Description:-	District Tharpar	,	olar system) For Taluka Mithi And Taluka Islam Kot	l Islam Kot
a) Estimated Cost	4.5agram bhear	8,000 MILLION	Tatuka Islam Not	
b) Earnest Money				
<u> </u>	4. 6.	0.16 MILLION		
c) Fercentage if any deducted from bill @	8%			
d) Security Deposit i/ money @ 10%	c earnest			
completion period		18 months		
cor ditions of contr	act annexed here	_	and fulfill the terms and provision ble and default thereof to forfei onditions.	
RI	ECEIPT NO	DATE	From	
In respect of the s	um of Rs. Call D	eposit No	dated	
wh ch is to be abso security deposit as	olutely forfeited to shown in the ab	o Government shou ove memorandum i	presenting earnest money. The ld I/We not deposit the full amon accordance with clause of the ll be retained by Government or	ount of e said

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

# 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 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 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 )		849.00		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(12), 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(3), 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)				
	6 Supplying and fixing PVC D CLASS SLOTED strainers of DADEX OR EQUIVALENT approved quality complete.8" dia.	240.00		P- RFT	218642.00
	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)	150.00			219701.00 16800.00
	8 SU PLY C.I End plug 8" Dia.(PHES.M,P.29)	1.00	<u> </u>	P- RFT	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)				
1	1, 1, 110,431	20.00	<u>ار، 131.00</u>	P.sample	2620.00

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

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

#### 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		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
<u>-</u>	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	i			
	complete in all respects. Ratio (1:2:4) (CSI No. 6-a P.19)		337.00	D CET	230653.00
	5 Fabrication of mild steel reinforcement for	684.43	337.00	P- CFT	250055.00
	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)				
	(45) (45) (45) (45)	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).	27.30	302170	3	
		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 <u>.0</u> 0	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).				
i		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	Cernent Plaster (1:4) up to 20' height 1/4" 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		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

			TO	TAL Rs.	780587.00
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.J.P,31.lt,204) (Sub head X)	2.00	2456.00	P - point	4912.00
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
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
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

% 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

DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
Providing and installing in position i.c				1	<u> </u>
transportation to site of work GRUNDFOS					
HMA Submerssible 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					
pìp∈ of 2"dia of 39 nos of 10 ft eachwith					
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" ciai.c 7.5 HP motor control unit consist of					
metallic box, electric over current relay,				İ	
megnatic contractor, under/ over voltage	1.00	1003000.00	NO.	1003	000.00
Manufacturing supplying and fixing black					
1					
<u>.</u>					
_				1	
( S.M.P.H.E.,I.NO.1 ;P-22)	60.00	650.15	RFT	390	09.00
Supplying C.I.Bend with flanged ends with					
		•			
	180.00	120.00	P- KG	216	00.00
	100,00				
1 1 1 -					
			ļ		
	70.00	120.00	ם אכ	2.4	00.00
	70.00	120.00	r- KG	04	00.00
1 .					
or i nages for all size ( 5.MP.H.E.INO.9(12),P-9	!				
<u> </u>	80.00	120.00	P- KG	96	00.00
Supplying C.I sluice value heavy pattern test					
pressure 3" DIA( S.MP.H.E.INO.2(A),P-11 )					
	2,00	4290.00	P- EACH	85	80.00
Supplying C.I.Reflex value heavy pattern test					
pressure IMPORTED ( S.MP.H.E.INO.6(A),P-	1				
11)	1.00	1543.00	P- EACH	15	43.00
	Providing and installing in position i.c transportation to site of work GRUNDFOS HMA Submerssible 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 eachwith 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" ciai.c 7.5 HP motor control unit consist of metallic box, electric over current relay, megnatic contractor, under/over voltage  Manufacturing supplying and fixing black steel MS pipe 3" dia made out of MS sheet 5mm" thick confirming 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)  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 )  Supplying C.I.Tee with flanged ends with holes i/c turning and facing of facing of flar ges for all size 3"dia (  S.M.P.H.E.INO.9(12),P-12 )  C.I.:apered flat bottom or central TAPPERED flar ged ends with holes i/c turning and facing of I nages for all size ( S.M.P.H.E.INO.9(12),P-9 )  Supplying C.I. sluice value heavy pattern test pressure 3" DIA( S.M.P.H.E.INO.2(A),P-11 )  Supplying C.I.Reflex value heavy pattern test pressure iMPORTED ( S.M.P.H.E.INO.6(A),P-11 )	Providing and installing in position i.c transportation to site of work GRUNDFOS HMA Submerssible pump type HSP 8A-30+7.5 3HP MOTOR complete capable to discharge 25 GPM against a head of 400 ft 7.5 4P HMA motor (3 x 380v x 2 pole) i.c riser pipe of 2"dia of 39 nos of 10 ft eachwith flanged ends. The flanges are notched to accomodate the cable i.c top set of 2" dia con:aining bore hole cover plate with 90 degree bend, sluice valve, jacket, nut bolts and 2 sets of installation clamps i.c nipple of 2" ciai.c 7.5 HP motor control unit consist of metallic box, electric over current relay, megnatic contractor, under/ over voltage  Manufacturing supplying and fixing black steel MS pipe 3" dia made out of MS sheet 5mm" thick confirming 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  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  Supplying C.I.Tee with flanged ends with holes i/c turning and facing of flarges for all size 3"dia (  S.M.P.H.E.INO.9(12),P-12 ) 70.00  C.I. apered flat bottom or central TAPPERED flarged ends with holes i/c turning and facing of I nages for all size ( S.M.P.H.E.INO.9(12),P-9 )  Supplying C.I. sluice value heavy pattern test pressure 3" DIA( S.M.P.H.E.INO.2(A),P-11 )  Supplying C.I.Reflex value heavy pattern test pressure 3" DIA( S.M.P.H.E.INO.9(A),P-11 )	Providing and installing in position i.c transportation to site of work GRUNDFOS HM.A Submerssible pump type HSP 8A-30+ 7.5 3HP MOTOR complete capable to discharge 25 GPM against a head of 400 ft 7.5 -1 PHMA motor (3 x 380v x 2 pole) i.c riser pipe: of 2"dia of 39 nos of 10 ft eachwith 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" ciai.c 7.5 HP motor control unit consist of metallic box, electric over current relay, megnatic contractor, under/ over voltage  Manufacturing supplying and fixing black steel MS pipe 3" dia made out of MS sheet Smm" thick confirming to API 5L GRADE X_42 ERV external bitumen coating with fiber glass 5.0 mm thick. ( S.M.P.H.E.J.NO.1 ;P-22)  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 )  Supplying C.I.Tee with flanged ends with holes i/c turning and facing of facing of flarges for all size 3"dia ( S.N.P.H.E.INO.9(12),P-12 )  C.I.:apered flat bottom or central TAPPERED flar ged ends with holes i/c turning and facing of I nages for all size ( S.M.P.H.E.INO.9(12),P-9 )  Supplying C.I.Suice value heavy pattern test pressure 3" DIA( S.M.P.H.E.INO.2(A),P-11 )  Supplying C.I.Reflex value heavy pattern test pressure IMPORTED ( S.M.P.H.E.INO.6(A),P-	Providing and installing in position i.c transportation to site of work GRUNDFOS HMA Submerssible 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 eachwith 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" ciai.c 7.5 HP motor control unit consist of metallic box, electric over current relay, megnatic contractor, under/ over voitage  Manufacturing supplying and fixing black steel MS pipe 3" dia made out of MS sheet Smin" 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  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  Supplying C.I.Tee with flanged ends with holes i/c turning and facing of flarges for all size 3"dia ( S.M.P.H.E.INO.9(12),P-12 ) 70.00 120.00 P- KG  Supplying C.I. sluice value heavy pattern test pressure 3" DIA( S.M.P.H.E.INO.9(A),P-11 ) 2.00 4290.00 P- EACH  Supplying C.I.Reflex value heavy pattern test pressure IMPORTED ( S.M.P.H.E.INO.6(A),P-	Providing and installing in position i.c transportation to site of work GRUNDFOS HMA Submerssible 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 380 v x 2 pole) i.c riser pipe of 2"dia of 39 nos of 10 ft eachwith flan ged ends. The flanges are notched to accomodate the cable i.c top set of 2" dia con-aining bore hole cover plate with 90 degree bend, sluice valve, jacket, nut bolts and 2 sets of installation clamps i.c nipple of 2" ciaic. 7.5 HP motor control unit consist of metallic box, electric over current relay, meg;natic contractor, under/ over voltage 1,00 1003000.00 NO. 1003 Manufacturing supplying and fixing black steel MS pipe 3" dia made out of MS sheet Smm" thick confirming to API SL GRADE X_42 ERW external bitumen coating with fiber glass 5.0 mm thick. (S.M.P.H.E.,I.N.O.1 ;P-22) 60.00 650.15 RFT 390 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 216 Supplying C.I.Tee with flanged ends with holes i/c turning and facing of flar ges for all size 3" dia (S.M.P.H.E.INO.9(12),P-12) 70.00 120.00 P- KG 840 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 85 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 85 Supplying C.I.Reflex value heavy pattern test pressure 3" DIA(S.M.P.H.E.INO.2(A),P-11) 2.00 4290.00 P- EACH 85

		TO rate of CSR	TAL Rs.	6051732.00
	9500.00		each watt	2090000.00
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 transpotation chrges etc complete.				
electricity, complete in all respect with all instruements/ accessories i.c required no. of solar panels (taiwan made or equivalent qualty)with MS mounting frames, inverters,				
9 Providing and installation of solar electric system of capacity to generate 9500 watts				
	1.00	2870000.00	P- EACH	2870000.00
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.				

G.TOTAL Rs

RUPEES IN WORDS:-

# **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 procurring agency:-

EXECUTIVE ENGINEER

RURAL DEVELOPMENT DEPARTMENT

MIRPUR KHAS

Brief discription of work :-

ECOTIVE ENGINEER RORAL DEVELOPMENT DEPARTIME

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

Tharparkar @ Mithi

Precuring agency address

OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX

**HYDERABAD** 

Bid shall be in Pak Rupees

AMOUNT Rs.

0.16 million

(F) period of bid validity 60 days (G) venue, time & date of opening OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX HYDERABAD sponsiveness 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 periodoffered is within specified limits 4. Bidderis eligible to bidand 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 6 months commence:-(J) Liquidity Damages:-(0.05% On Estimated Cost) per day subject to minimum 10% **EXECUTIVE ENGINEER** RURAL DEVELOPMENT DEPARTMENT MIRPUR KHAS



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

#### Executive Engineer Rural Development Department MIRPUR KHAS

R.I	TEN	IDEI3	FOR	WO	RKS

	WINFORKHAS
TENDER FOR WORKS	
I/We tender for the	execution for the Government of Sindh (herein before and herein after referred to as
	work specified in the underwritten memorandum within the time specified in such
me:norandum at _P/	ART-A percent below / above & PART-
В	percent below / above & PART-Cpercent below / above the
estimate rates entere	ed in Schedule 'B' memorandum showing item of work to be carried-out and in
	spect with the specifications/ designs, drawings and instructions in writing referred to in
rule hereof and clau	se 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	
decucted from bill @	
d) Security Deposit i/	c earnest
money @ 10%	
completion period	18 months
Should this tender	be accepted I/We agree to abid by and fulfill the terms and provisions of the
conditions of contr	act annexed hereto as for as applicable and default thereof to forfeit and pay to
Government the su	um of money mentioned in the said conditions.
RI	ECEIPT NO DATEFrom
In respect of the s	um of Rs. Call Deposit Nodated
Frcm	Bank is herewith forwarded representing earnest money. The full value of
	plutely forfeited to Government should I/We not deposit the full amount of
	shown in the above memorandum in accordance with clause of the said
	rise the sum of Rs shall be retained by Government on account of
	sit 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

### **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		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
	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		84900.00
	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		98900.00
,	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		107300.00
	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)				
	6 Supplying and fixing PVC D CLASS SLOTED strainers of DADEX OR EQUIVALENT approved quality complete.8" dia.	240.00	911.01		218642.00
	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)	150.00 160.00	1464.67 105.00		16800.00
	8 SUPPLY C.I End plug 8" Dia.(PHES.M,P.29)			.,	
,	9 Taking samples of water from bore hole and placing in two separate bottles. (P.H.S.I.NO. 7, F.NO.43)	1.00			550.00
	1,,	20.00	131.00	P.sample	2620.00

		TO	TAL Rs.	859667.00
Supplying & Installing well head casing & Security cap.	1.00	4854.00	P.cwt	4854.00
dis-infection of well	1.00	1100.00	job	1100.00
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

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

#### **RURAL DEVELOPMENT DEPARTMENT**

#### MIRPUR KHAS

#### PART-B PUMP HOUSE, R.O PLANT ROOM I.C WATER TANK

NAME OF \$CHEME:

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 ½" to 2" gauge RATIO 1:4:8 . (S.I.NO.4 , P-15)				
	2 Books Brick work in foundation and plinth	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	D 9/ CET	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)			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)				
	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).	27.50 465.40		P- CWT.	137547.00 704.00
	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,	403,40	1012100	755 515	.3.130
	P.No. 4).	576.00	3630.00	P-%0 cft	2091.00

	15 5:1			· · · · · · · · · · · · · · · · · · ·	<u> </u>
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"	i			
	x3" for door using 20' guage G.I sheet i.c	ĺ			
	welding hings and fixing at site with				
	necessary hold fasts filling with cement sand				
Ī	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).				
	0 0 0				
		35.00	228.90	P-rft	8012.00
10	P/F G.I frame chowkata of size 7"x2" or 4½"		!		
1	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				
1	cost also i.c all carriage tools and plants used	i			
1	in making and fixing (SI No. 28, P.No. 93).				
		49.36	240.50	D_rft	11871.00
11	S/F n position steel grill of size ¾" x ¼" flat	45.50	240,30	1-116	11871.00
	iron of approved design i.c painting three				
	coats (CSI No. 26, P.No:92)	100.00	455.50		40500.00
12		103.00	180.50	P-sft	18592.00
12	1	j			
	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	Ī			
	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% cft	9237.00
15		202.00		1 70 310	5237.00
	door and windows etc fixed in position i/c				
1	chowkats fasts hirges iron towers cleats				
j	deodar paneled 1¾" thick, .				
	deodai palieled 1/4 triick, ,	80.56	1273.76	P sft	102614.00
16	Preparing surface painting to door and		22.3,,0	- +	
	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				2555 1100
i	(3/.029) PVC insulated wire in 20mm (3/4 in)		j		
	PVC recessed in wall or in column as required		ļ		
•	(C.S.E.I.P,15.It,124)		4400.00	D 1 -	
Į.	(5.5.2.1.1) 15.1.9,12.7)	5.00	1130.00	r - point	5650.00

			TO	TAL Rs.	780587.00
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
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
20	P/fixing one way S.P. S Amp switch flush type . (C.S.E.219.P,10.It,1(A) (Sub head XI)	6.00	54.00	P - point	324.00
19	(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

% 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

5.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT	IN RS.
	1 Providing and installing in position i.c		· · · · · · · · · · · · · · · · · · ·			<u> </u>
	transportation to site of work GRUNDFOS					
	HMA Submerssible 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					
	pip ≥ of 2"dia of 39 nos of 10 ft eachwith					
	flar ged 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					
	anc 2 sets of installation clamps i.c nipple of					
	2" diai.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.	10030	00.00
	2 Manufacturing supplying and fixing black		200000		1000	
	steel MS pipe 3" dia made out of MS sheet					
	5mm" thick confirming to API 5L GRADE X 42					
	ER\V external bitumen coating with fiber					
	glass 5.0 mm thick .					
	(\$ M.P.H.E.,I.NO.1 ;P-22)	50.00	650.15	PET	300	00.00
		60.00	030.13	Kr I	3501	09.00
	3 Supplying C.I.Bend with flanged ends with					
	holes i/c turning and facing of flanges for all					
	size.	400.00	122.00	<b>5</b> 46	245	00.00
	. ( 3.MP.H.E.INO.9(8),P-12 )	180.00	120.00	P- KG	216	00.00
1	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.MP.H.E.INO.9(12),P-12 )	70.00	120.00	P- KG	840	00.00
	5 C.I.tapered flat bottom or central TAPPERED	]				
	flanged ends with holes i/c turning and facing					
	of linages for all size ( S.MP.H.E.INO.9(12),P-9					
	)	80.00	120.00	D_ KG	960	00.00
	6 Supplying C.I sluice value heavy pattern test	00.00	120.00	1 - 10	300	70.00
1	pressure 3" DIA( S.MP.H.E.INO.2(A),P-11 )				]	
1	pressure 3 DIA( SAVIP. THE LINU. Z(A), P-11 )	2.00	4200.00	P- EACH	000	30.00
	7 Supplying C I Pofloy value heavy pattern tast	2.00	4290.00	F- EACH	036	50.00
	7 Supplying C.I.Reflex value heavy pattern test					
	pressure IMPORTED ( S.MP.H.E.INO.6(A),P-					
	11)	1.00	1543.00	P- EACH	154	13.00

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 instruements/accessories i.c. required no. of solar panels (taiwan made or equivalent qualty)with MS mounting frames, inverters, necessary wiring (16 mm pure copper wire or as as directed by engineer incharge) necessarry switches, circuit brakers etc cornplete 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

RUPEES IN WORDS:-

# **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

Precuring agency address

OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX

**HYDERABAD** 

Bid shall be in Pak Rupees

AMOUNT Rs.

0.16 million

(F) period of bid val dity

(G) venue, time & date of opening

(F) responsiveness of bid

60 days

# OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX HYDERABAD

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 periodoffered is within specified limits
- 4. Bidderis eligible to bidand possesses the requisite experience, capability and qualification
  - 5. Bid does not deviate from basic technical requirement and
- 6. bids are generally in order etc.

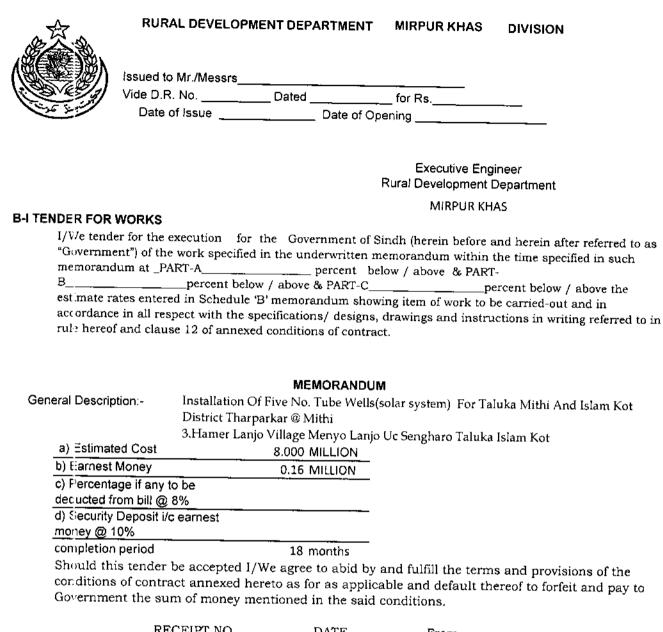
6 months

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

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

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

(J) Liquidity Damages:-



RECENT NO	DATE	rrom
In respect of the sum of Rs.	Call Deposit No	dated

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

# 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	<u> </u>			AMOUNT	114 KS.
	from ground level up to 100 ft or 30.5 meter					
	depth i/c sinking and with drawing of casing				į	
	pipe. 12" dia. ( P.H.S.I # 01(g), P.NO. 41 )	1	1			
		100.00	742.00	P- RFT	7.00	
	2 Boring for tube well in all water bearing soils	100,00	743.00	P- KFI	/430	00.00
	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 #				ļ	
	02(e), P.NO. 36)	100.00			1	
	3 Boring for tube well in all water bearing soils	100.00	849.00	P- RF1	8490	00.00
	from 200.1 to 300 ft or 60.01 to 91.50 meter					
	der thbelow ground level i/c sinking and with					
	drawing of casing pipe.12" dia ( P.H.S.I #					
	02(≥), P.NO. 36)					
	<del></del>	100.00	989.00	P- RFT	9890	0.00
	4 Boring for tube well in all water bearing soils					_
	from 300.1 to 400 ft or 91.51 to 122.0 meter		i			
	depthbelow ground level i/c sinking and with					
	drawing of casing pipe.12" dia ( P.H.S.I #	1				
	02(e), P.NO. 36 )	100.00	1073.00	P- RFT	10730	00.00
	Supplying and installing PVC blind pipe " D "					·
	class of approved design quality and make i/c					
	necessary sockets etc. complete.8"		}		İ	
	dia. PHES.M,MISC.I.NO.16(iii),P.25)( P.H.S.I.#					
	12(e), P.NO.44 )				1	
		240.00	911.01	D_ RET	21864	2.00
•	Supplying and fixing PVC D CLASS SLOTED		311.01	1 - 111 (	21004	2.00
	strainers of DADEX OR EQUIVALENT	i				
	approved quality complete.8" dia.					
	j. saste a.a.					
		150.00	1464.67	P- RFT	21970	1.00
,	Shrcuding with graded bajri (3/8" to1/8") or					
	(9 tc3mm) in between bore and blind pipe					
	for the following diameters of					
	strainer.(P.H.S.I.NO. 13(e), P.NO.45)		1			
		160.00	105.00 F	- RFT	16800	1.00
8	SUPPLY C.I End plug 8" Dia.(PHES.M,P.29)					
		1.00	FF0 00 -			
9	Taking samples of water from bore hole and	1.00	550.00 E	ACH	550.0	00
•	placing in two separate bottles. (P.H.S.I.NO.					
	7, P.NO.43)					
		20.00	131.00 P	.sample	2620.	00

	plying & Installing well head casing & urity cap.	1.00	1100.00 4854.00		1100.00 4854.00
12 Suo	polying & Installing wall hand and a	1.00	1100.00	job	1100.00
	The state of the s		l	[	
sa 7 P.N	velopment of tube well Testing charges of inples from laboratory. (P.H.S.I.NO. 8a, IO.43)	150.00	200.00	P.rft	30000.00

% above/below on the rate of CSR Rs

RUPEES IN WORDS:-	G.TOTAL	Rs

### **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

5.NO	DISCRIPTION OF LIEM	QTY	anjo Uc Sengl 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).				Jameoni	JIIV NS.
		694.63	3176.25	P-%0 CFT	220	6.00
:	2 Cement concrete brick or stone ballast 1 ½" to 2" gauge RATIO 1:4:8 . (S.I.NO.4 , P-15)					0.00
		268.30	9416.28	P-% CFT	2526	4.00
<del>_</del>	Pacca Brick work in foundation and plinth with cement . (CSI NO: 4, P.No. 20)(1:6)	172.03	11948.36	P-% CFT		5.00
2	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)					
i	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)	684.43	337.00 F	P- CFT	23065	3.00
	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).	27.50	5001.70 P	- CWT.	13754	7.00
<del>-</del> -		465.40	1512.50 P	-%0 cft	704.0	00
Ì	Filling Watering & Ramming earth under floor with new earth excavated out side lead up to one chain and lift up5'ft.(CSI No. 22,					<u></u>
	P.No. 4),	576.00	3630.00 P-	-%0 cft	2091.	00

	8 Pacca Brick work in ground floor in cement			<del>-</del>	<del></del>
	sand mortar.(1:6) (CSI NO: 5, P.No. 21)				İ
		700.73	12674.36	P-% cft	88813.00
	9 P/F G.I frame chowkata of size 7"x2" or 4½"				00013.00
	x3" for door using 20' guage G.I sheet i.c			ĺ	
	welding hings and fixing at site with				
	necessary hold fasts filling with cement sand			ĺ	
	slurry of ratio 1:6 and repairing the jambs the				
	cost also i.c all carriage tools and plants used	1			
	in making and fixing (SI No. 29, P.No. 93).				
		35.00	228.90	P-rft	8012.00
10	O P/= G.I frame chowkata of size 7"x2" or 4½"				0012.80
	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	The second of th			_	
	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		Ī		
	(CSI No. 11, P.No:57)	1969.25	2283.93	P% sft	44976.00
14	The state of the s		-		1370.00
	concrete (1:2:4) i/c surface finishing and				
	d viding into panels:(CSI No: 16, P.No: 42).				
	2" THICK	282.00	3275.50	P% sft	9237.00
15	The second treatment of the second				
	door and windows etc fixed in position i/c				
	chowkats fasts hirges iron towers cleats	İ			
	deodar paneled 1¾" thick	80.56	1273.76	o c <del>f</del> t	107514.00
16	Preparing surface painting to door and	00.30	+2/3./0	311	102614.00
	windows three coats new surface. (CSI No.	İ			
	5c, P.No. 70).				
17	Colour washing (b) Two coats.	161.10	2116.41	2 %sft	3410.00
+/	- ,		1		
	( \$.I.NO.25, P.NO.53 )	1969.25	859.90 F	%sft	16934.00
18	B = 18.10 = 14.1 point with 1/1:1511111				
i	(3/.029) PVC insulated wire in 20mm (3/4 in)				
	PVC recessed in wall or in column as required				
	(C.S.E.J.P,15.lt,124)	5.00	1130.00 F	- point	5650.00

\* \*

_			TO	TAL Rs.	780587.00
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
21	socket(C.S.E.I.P,33.it,222 (Sub head XI)	6.00	80.00	P - point	480.00
_	P/iixing one way S.P 5 Amp switch flush type . (C.S.E.219.P,10.lt,1(A) (Sub head XI)	6.00	54.00	P - point	324.00
19	(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

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

CNO	3.Hamer Lanjo Villag				
S.NO	DISCRIPTION OF LTEM	QTY	RATE	PER	AMOUNT IN RS.
	Providing and installing in position i.c				
	transportation to site of work GRUNDFOS				
	HMA Submerssible 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 eachwith				
	flanged ends. The flanges are notched to				
	accomodate the cable i.c top set of 2" dia				1
	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" diai.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	2.00		· · · <del>- ·</del>	2233330,00
	steel MS pipe 3" dia made out of MS sheet				
	5mm" thick confirming to API 5L GRADE X 42	ļ			
	ER\V external bitumen coating with fiber				
[	glass 5.0 mm thick.				
	( S M.P.H.F.,I.NO.1 ;P-22)	60.00	ELD 11	DET	20000 00
- 5	Sumplying C.I.Bend with flanged ends with	00.00	650.15	UL I	39009.00
3	holes i/c turning and facing of flanges for all				
	size.	}			
	size. . ( 5.MP.H.E.INO.9(8),P-12 )	100.00	455.50	D 40	
		180.00	120.00	r- KG	21600.00
1	Supplying C.I.Tee with flanged ends with				
	holes i/c turning and facing of facing of				
: I	flanges for all size 3"dia (				
	S.MP.H.E.INO.9(12),P-12 )	70.00	120.00	P- KG	8400.00
	C.I.:tapered flat bottom or central TAPPERED				
I I	flar ged ends with holes i/c turning and facing	İ			
	of I nages for all size ( S.MP.H.E.INO.9(12),P-9			İ	
	)	80.00	120.00	D. K.C.	9600.00
6	Supplying C.I sluice value heavy pattern test	30.00	120.00	r NO	3000.00
	pressure 3" DIA( S.MP.H.E.INO.2(A),P-11 )				[
		2.00	4290.00	ם באכם	9500.00
7	Supplying C.I.Reflex value heavy pattern test	2.00	÷∠3U.UÜ	r - CACH	8580.00
1	pressure IMPORTED ( S.MP.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 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 instruements/ accessories i.c required no. of solar panels (taiwan made or equivalent qualty) 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. transpotation chrges etc complete. 9500.00 220.00 each watt 2090000.00 TOTAL Rs. 6051732.00

RUPEES IN WORDS:-		G.TOTAL	Rs	
	<del></del>			

% above/below on the rate of CSR

EXECUTIVE ENGINEER
RURAL DEVELOPMENT DEPARTMENT
MIRPUR KHAS

Rs

## **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

Precuring agency address

OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX

**HYDERABAD** 

Bid shall be in Pak Rupees

AMOUNT Rs.

0.16 million

(F) period of bid validity	60 days
(G) venue, time & date of opening	OLD SRTC BUILDING PREMISSES WAHDAT COLONY NEAR AGRICULTURE COMPLEX HYDERABAD
(esponsiveness 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 periodoffered is within specified limits
	<ul><li>4. Bidderis eligible to bidand possesses the requisite experience, capability and qualification</li><li>5. Bid does not deviate from basic technical requirement and</li></ul>
	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



ssued to Mr./Messrs_			_
/ide D.R. No	Dated _	for Rs	
Date of Issue		Date of Opening	

#### Executive Engineer Rural Development Department

DIVISION

MIRPUR KHAS

B-	ΙŢ	ΈN	DER	FOR	WO	RKS
----	----	----	-----	-----	----	-----

"Government") of the men orandum at _PA B	work specified in ART-Apercent below /	the underwritten mer percent belo above & PART-C	norandum within the t w / above & PART- perce:	nt below / above the
estimate rates entere accordance in all res	ed in Schedule 'B' i pect with the spec	nemorandum showin	g item of work to be ca rawings and instructio	rried-out and in ns in writing referred to in
		MEMORANDUM		
General Description:-	Installation Of F	ive No. Tube Wells (s	olar system) For Taluka	Mithi And Islam Kot
Constant exocompanion.	District Tharpar		•	
	2. Sukhio Bheal '	Village Gomdi Je Dan	i Uc Sonal Beh Taluka I	slam Kot
a) Eistimated Cost		8.000 MILLION		
b) Earnest Money	···.	0.16 MILLION		
c) Percentage if any	to be			
deducted from bill @				
d) Security Deposit in	/c earnest	<del></del>		
m <u>or ey @ 10%</u>				
completion period		18 months		
conditions of contr	act annexed here	e agree to abid by a to as for as applica tioned in the said o	nd fulfill the terms a ble and default there onditions.	nd provisions of the of to forfeit and pay to
R	ECEIPT NO	DATE	From	
In respect of the s	sum of Rs. Call I	eposit No	dated	
which is to be abs security deposit as conditions. Others	olutely forfeited to s shown in the ab wise the sum of R osit as aforesaid o	o Government shou hove memorandum is sha or (B) the full value	ld I/We not deposit t n accordance with cl	ause of the said ernment on account of the Government on

account of the Security specified in clause 1 (b) of the condition (Schedule-A is attached).

CONTRACTOR

#### **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	2. Suknio Bnear Villag 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				
	drav/ing of casing pipe.12" dia ( P.H.S.I #				
	02(e), P.NO. 36 )	100.00	849.00	P- RFT	84900.00
	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			,	
	drav/ing 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				
1	from 300.1 to 400 ft or 91.51 to 122.0 meter	•			
	depthbelow ground level i/c sinking and with				
	drav/ing of casing pipe.12" dia ( P.H.S.I #				
	02(ε), 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.J.#				
	12(ε), P.NO.44 )				
		240.00	911.01	P- RFT	218642.00
	6 Supplying and fixing PVC D CLASS SLOTED				
	strainers of DADEX OR EQUIVALENT				
1	approved quality complete.8" dia.				
		150.00	1464.67	D DET	219701.00
	7 Shrouding with graded bajri (3/8" to1/8") or	150.00	1404.07	P- KFI	219701.00
	(9 to3mm) in between bore and blind pipe				
	The state of the s				
	for the following diameters of			!	
	stra ner.(P.H.S.I.NO. 13(e), P.NO.45)	150.00	105.00	D DET	16900.00
	8 SUPPLY C.I End plug 8" Dia.(PHES.M,P.29)	160.00	105.00	P- RFT	16800.00_
ļ	8 30 PPLY C.I Elia piug 8 Dia.(PHE3.Wi,P.29)				
<u> </u>		1.00	550.00	EACH	550.00
	9 Taking samples of water from bore hole and	!			
	placing in two separate bottles. (P.H.S.J.NO.				
	7, P NO.43)	20.00	131.00	P.sample	2620.00

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

% above/below on the rate of CSR Rs

G.TOTAL Rs

RUPEES IN WORDS:-

#### **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

\$.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	Centent 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	Pacia Brick work in foundation and plinth				
	with cement .				
	(CSI NO: 4, P.No. 20)(1:6)	172.03	11948.36	P-% CFT	20555.00
1 4	RCC work i/c all labor and material except the		223 15150	7, 0, 1	20000100
	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				
İ	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				
1	position making jointing and fastening i/c				
	cost of bending wire also includes removal of	1			
	rus: from bars. (CSI No. 8 a, P.No: 20)				
		27.50	5001.70	P- CWT.	137547.00
1 6	Filling Watering & Ramming earth floor from				
1	foundation surplus earth foundation earth				
	from foundation lead up to one chain and lift				
	up 5'ft. (CSI No. 21, P.No. 4).	455.40	1513.50	D 0/O aft	704.00
ļ <u>-</u>	7 CUI - Materiae P. Demonies and words	465.40	1512.50	P-%0 cft	704.00
<b>'</b>	Filling Watering & Ramming earth under floor with new earth excavated out side lead				
	up to one chain and lift up5'ft.(CSI No. 22,				
1		576.00	3630.00	P-%0 cft	2091.00
	P.N.O. 4).	3/0.00	3330.00	1. 200 010	

		· · · · · · · · · · · · · · · · · · ·			·	
		Pacca Brick work in ground floor in cement				
1		sand mortar.(1:6) (CSI NO: 5, P.No. 21)				
			700.73	12674.36	P-% cft	88813.00
		P/F G.I frame chowkata of size 7"x2" or 4½"				
		x3" for door using 20' guage G.I sheet i.c	ļ			
		welding hings and fixing at site with				
		necessary hold fasts filling with cement sand				
		slurry of ratio 1:6 and repairing the jambs the				
<u> </u>		cost also i.c all carriage tools and plants used				
		in making and fixing (St No. 29, P.No. 93).				
		i	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				
l		in making and fixing (SI No. 28, P.No. 93).				
	1		49.36	240.50	P-rft	11871.00
	11	S/F in position steel grill of size ¾" x ¼" flat	13.33			
		iron of approved design i.c painting three			•	
		coats (CSI No. 26, P.No:92)	103.00	180.50	P-sft	18592.00
	12			100.50		
	12	thick				
		(CSI No. 13-b, P.No:52)	1969.25	2122.72	D% cft	41802.00
<del>  -</del>	12	Cernent Plaster (1:4) up to 20' height ½" thick	1909.23	2122.12	F 70 31C	41802.00
	13	(CSI No. 11, P.No:57)	4050 35	2222.62	D0/ -f+	44076.00
			1969.25	2283.93	P% SIT	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).	202.00	2275 50	D0/ -4-	9237.00
		2" THICK	282.00	3275.50	17% SIL	9237.00
	15	1	1			
:		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			1	
	**	windows three coats new surface. (CSI No.				1
		5c, P.No. 70).	101 10	2116.41	D 04 - ft	3410.00
<u> </u>			161.10	2110.41	r /0511	3410.00
	17	_ · ·				
		( S.I.NO.25, P.NO.53 )	1969.25	859.90	P %sft	16934.00
	18					
į		(3/.029) PVC insulated wire in 20mm (3/4 in)				
		PVC recessed in wall or in column as required				
		(C.\$.E.I.P,15.It,124)	5.00	1130.00	P - point	5650.00

			TOT	TAL Rs.	780587.00
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
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
20	P/fixing one way S.P 5 Amp switch flush type . (C S.E.219.P,10.lt,1(A) (Sub head XI)	6.00	54.00	P - point	324.00
19	(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

% 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

		e rate of CSR		
	9500.00		each watt	2090000.00 <b>6051732.00</b>
electr.city, complete in all respect with all instruements/ accessories i.c required no. of solar panels (taiwan made or equivalent qualty) 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 transpotation chrges etc complete.				
Provicing and installation of solar electric     system of capacity to generate 9500 watts	1.00	2870000.00	P- EACH	2870000.00
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.				

	G.TOTAL	Rs
RUPEES IN WORDS:-	 	