

Term & Conditions for the bidders.

Please read carefully the term and conditions before applying.

Instructions for Bidders.

1. Must be a registered firm with Government and FBR (Please attach copy of business Registration, NTN certificates).
2. Profile of the Firm with last 03 Years Experiences in WASH Sector with past 3 years Tax Returns files with Valid CNIC of the Owner/directors of the company.
3. Please attach last 06 Months bank statement of the Firm showing the financial strength.
4. Please attach bank soundness certificate of the firm.
5. Reference letters / Certificates showing the similar past experience with valid contact numbers.
6. No quotation will be acceptable for in-complete items and no change in a specific kit.
7. All bids must be quoted on the basis of Unit Rate/item wise.
8. No mistake will be allowed in Unit Rate, in case of cutting and over writing the bidder should sign against the error with Stamp/Seal.
9. No requests for increasing unit rates will be entertained once the sealed bidding documents gets opened.
10. The Validity of the Quotation will be 70 days.
11. All the bids must contain the Date, legal name and address.
12. All bids must contain the earnest money @ 5% of the total bid in the shape of CDR/Bank Draft. Which will be returned either on rejection of bid / or (in case of awarding of tender), at the time of last payment after completion of work.
13. All bidders need to send two envelopes by courier, one for Technical Bid and 2nd for financial bid.
14. The quotation must include all applicable taxes which must be mentioned separately and if not mentioned than it will be considered including taxes.
15. All the bids will be evaluated on the basis of total costs and time frame for completion and cost relevant experience and most recent subject to clearance from referee word under recently.
16. Interested firms submit their bids in sealed envelopes in the name of "Procurement Committee Muslim Hands", and the envelopes must mark as "Technical Bid" and "Financial Bid" applied for, not later than 25th March 2021.

Performance of the contract.

The performance of the contract will be in District Washuk, at sites UC Garang and UC Jangian of Tehsil Shahi ghari as suggested in tender documents or as agreed upon.

Payment Method.

The payment will be made within 02 weeks (after deduction of all applicable taxes) after the Completion of all agreed work and having verification / Certificate of completion issued by the Engineer WASH.

Short listing of the firm.

The procurement committee will short list the bids on the basis of Earliest Completion of the Work, Lowest Bidder, Quality of Material, and Technical Evaluation of the vendor which will be communicated to the selected bidders in due course of time. Earliest Possible Work Completion will be counted and considered while bid analyses.

NOTE. The Organization reserves the right to reject, cancel, negotiate, and accept any offer without assigning any reason and without considering the lowest rates. Detail BOQ and specifications are mentioned below. In case of any query related to specifications / nature of work etc. Please contact at (**Muslim Hands Regional Office, House # 48, New Al-Gillani Street, Zarghoon Road Quetta Balochistan** or contact at **081-2869167** (hashim.khan@pk.mhworldwide.org)).

Sr. No.	Name Of Union Council	Name Of Revenue Village/Settlement	Name Of Scheme	Summary Of Quoted Cost By Vendor
1	Garang	Chotok	Solar Power Pressure Pump And Installation Of Water Tank	
2	Garang	Deli Danno	Solar Power Pressure Pump And Installation Of Water Tank	
3	Garang	Deli Inayat	Construction Of Under Ground Water Tank 10ft 8ft	
4	Garang	Garang	Solar Power Pressure Pump And Installation Of Water Tank	
5	Garang	Hafiz Shafeeq Attok	Rehabilitation Of Surface Tank 10 Dia 6ft Height	
6	Garang	Katik 2	Solar Power Pressure Pump And Installation Of Water Tank	
7	Garang	Killi Marband Musa	Solar Power Pressure Pump And Installation Of Water Tank	
8	Garang	Killi Salam	Rehabilitation Of Surface Tank	
9	Garang	Killi Zaman Salambaig	Rehabilitation Of Surface Tank	
10	Garang	Kushk	Solar Power Pressure Pump And Installation Of Water Tank	
11	Garang	Killi Paljat	Solar Power Pressure Pump And Installation Of Water Tank	
12	Garang	Sar Daily Maula Baksh	Rehabilitation Of Surface Tank	
13	Jangian	Killi Mengal Kona Chah	Solar Power Pressure Pump And Installation Of Water Tank	
14	Jangian	Killi Abdul Qadoos	Solar Power Pressure Pump And Installation Of Water Tank	
15	Jangian	Ghulam Rasool	Solar Power Pressure Pump And Installation Of Water Tank	
16	Jangian	Killi Mola Arif	Construction Solar Power Pressure Pump	
17	Jangian	Sakhi Sultan	Construction Solar Power Pressure Pump	
18	Jangian	Killi Kabir Sasoli	Solar Power Pressure Pump And Rehabilitation Surface Tank	
19	Jangian	Masjid Mohalla Sohr Gil	Solar Power Pressure Pump And Rehabilitation Surface Tank	
20	Jangian	Killi Umer Shah	(02 Nos.) Rehabilitation Of Surface Tank 10 Dia 6ft Height	
Total				

Scheme Wise Summary of Cost (To be filled by Vendor), Firm/ Bidder Name: _____

1.Village/Settlement Name : Chotok

UC :

Garang

Nature of scheme : DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND INSTALLATION OF WATER TANK

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"/d continuously till reaching clean water	Job	1.00		
2	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		
3	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system in all respects (European/Germany or China Good quality made system complete and suitable for above requirements)	Job	1.00		
4	Provision and installation of Solar Panels 300 watts each and 6 NO. or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
5	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
6	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross steel bars/angle iron of suitable length and size/gauge welded at the lower end of pipe for proper anchoring in concrete, pole fixed with 1'x1' iron plate having 6mm thickness on top of pole below plates , also included excavation and PCC works for fixing the poles in the ground properly, system of 3-4 panels per structure OR of the same quality as roof mounting structure as per site requirements	Job	1.00		
Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-watering Solar Pump Installation etc.			A		

Detail of BOQ for Water Tank/Pad (9.5'x5'x2.5'), Pressure Pump Chamber (2'x2'x1') and Sanitary works, provision of below materials and installation/construction of civil works as per approved drawing and utilization of all material as mentioned below and as per directions of engineer

Sr. #	Description	Unit	Quantity	Unit Rate	Amount
1	Bricks	No.	848.00		
2	Cement for civil works	No.	13.00		
3	Sand for all the three civil works	Cft	43.00		
4	crush for all the three civil works	Cft	45.00		

5	Back filling material for Tank Pad inner side (Sand) As per Engineer guidance	Cft	50.00		
7	GI pipe (Medium) dia 2", length 8.5' as main pipe in tap stand with built in 5 socket welded all in one side of pipe having dia 1/2" of each, there will be 4" long GI (Medium) nipple will to be fix in these welded sockets and 5 steel taps dia 1/2" each will be connected with these nipples through another socket , one end of main 2" pipe must be closed with 2" stopper and reducer socket having size 2"x1" at other end, properly fixed on the wall, all fittings must be without any leak as directed by the site engineer	job	1.00		
8	13'Pvc @ 4" dia pipe for drainage (from pump, tanks and water collection point) SCH 26, SDR 41	rft	26.00		
9	PVC Socket dia 4" UPVC	No.	1.00		
10	Elbow dia 4" UPVC	No.	2.00		
11	1'X1' door (1" Angle iron steel frame, welded with 18 gauge sheet) as directed by the Engineer.	No.	1.00		
12	Water Tank Double Fly, Food grade plastic (fresh polymers) vertical tank dia 4', height 6' (Complete 500 Gallons capacity)	No.	2.00		
13	UPPRC pipe line 32mm 1" Dia	Rft	40.00		
14	PPRC Valves 1" for pipe from water tanks	No.	2.00		
15	PPRC elbows 1"	No.	8.00		
16	PPRC Tee 1"	No.	3.00		
17	PPRC UNION 1"	No.	4.00		
18	PPRC Connectors 1"	No.	5.00		
19	GI nipple 1" HE for connecting PPRC pipe with water tank	No.	2.00		
20	GI Closing Plug (Stopper) 3/4"	No.	1.00		
21	PPRC Collar Socket 1"x3/4"	No.	2.00		
22	PPRC Male Female Elbow 1"x3/4"	No.	1.00		
23	Water waste (Jaali)	No.	1.00		
24	Labour services for installation of Pressure pump	days	1.00		
Total (Supply and fixing Water Tank, Construction of Tank Pad and small chamber for Pressure Pump (PP) complete in all respect. As per attached drawing. Using above mentioned materials/detail)		B			
Total Amount Per Scheme		A+B			

2.Village/Settlement Name : Deli Danno**UC :****Garang****Nature of scheme : DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND INSTALLATION OF WATER TANK**

Sr. #	Description	Unit	Quantity	Unit Rate	Amount
1	Mechanical borehole drilling below ground level in all type soils from ground up to 260 ft of 12" Dia	Rft	260.00		
2	Provision and installation UPVC pressure pipe diameter 5" (Casing Pipe) Class-B	Rft	221.00		
3	Provision and installation UPVC pressure pipe diameter 5" (Strainer Pipe-vertical slots) Class-C	Rft	39.00		
4	Provision and using Solution for PVC pipes (Adhesive strong bond for PVC 500gm Tin)	No.	2.00		
5	Provision and installation End Cap for 6" dia PVC pipe, Class-E	No.	1.00		
6	Provision and installation of Supply/placing of shrouding material max. 2.00 mm dia (2/8") around the casing pipe around the screen.	CFT	16.00		
7	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching clean water	Job	1.00		
8	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		
9	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system in all respects (European/Germany or China Good quality made system complete and suitable for above requirements)	Job	1.00		
10	Provision and installation of Solar Panels 300 watts each and 6 No. or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
11	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
12	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross steel bars/angle iron of suitable length and size/gauge welded at the lower end of pipe for proper anchoring in concrete, pole fixed with 1'X1' iron plate having 6mm thickness on top of pole below plates , also included excavation and PCC works for fixing the poles in the ground properly, system of 3-4 panels per structure OR of the same quality as roof mounting structure as per site requirements	Job	1.00		
	Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-Watering Solar Pump Installation etc.		A		-
Detail of BOQ for Water Tank/Pad (9.5'x5'x2.5'), Pressure Pump Chamber (2'x2'x1') and Sanitary works, provision of below materials and installation/construction of civil works as per approved drawing and utilization of all material as mentioned below and as per directions of engineer					
Sr #	Description	Unit	Quantity	Unit Rate	Amount

1	Bricks	No.	848.00		
2	Cement for civil works	No.	13.00		
3	Sand for all the three civil works	Cft	43.00		
4	crush for all the three civil works	Cft	45.00		
5	Back filling material for Tank Pad inner side (Sand) As per Engineer guidance	Cft	50.00		
7	GI pipe (Medium) dia 2", length 8.5' as main pipe in tap stand with built in 5 socket welded all in one side of pipe having dia 1/2" of each, there will be 4" long GI (Medium) nipple will to be fix in these welded sockets and 5 steel taps dia 1/2" each will be connected with these nipples through another socket , one end of main 2" pipe must be closed with 2" stopper and reducer socket having size 2"x1" at other end, properly fixed on the wall, all fittings must be without any leak as directed by the site engineer	job	1.00		
8	13'Pvc @ 4" dia pipe for drainage (from pump, tanks and water collection point) SCH 26, SDR 41	Rft	26.00		
9	PVC Socket dia 4" UPVC	No.	1.00		
10	Elbow dia 4" UPVC	No.	2.00		
11	1'X1' door (1" Angle iron steel frame, welded with 18 gauge sheet) as directed by the Engineer.	No.	1.00		
12	Water Tank Double Fly, Food grade plastic (fresh polymers) vertical tank dia 4', height 6' (Complete 500 Gallons capacity)	No.	2.00		
13	UPPRC pipe line 32mm 1" Dia	Rft	40.00		
14	PPRC Valves 1" for pipe from water tanks	No.	2.00		
15	PPRC elbows 1"	No.	8.00		
16	PPRC Tee 1"	No.	3.00		
17	PPRC UNION 1"	No.	4.00		
18	PPRC Connectors 1"	No.	5.00		
19	GI nipple 1" HE for connecting PPRC pipe with water tank	No.	2.00		
20	GI Closing Plug (Stopper) 3/4"	No.	1.00		
21	PPRC Collar Socket 1"x3/4"	No.	2.00		
22	PPRC Male Female Elbow 1"x3/4"	No.	1.00		
23	Water waste (Jaali)	No.	1.00		
24	Labour services for installation of Pressure pump	days	1.00		
	Total (Supply and fixing Water Tank, Construction of Tank Pad and small chamber for Pressure Pump (PP) complete in all respect. As per attached drawing. Using above mentioned materials/detail)		B		-
Total Amount Per Scheme			A+B		

3.Village/Settlement Name : Deli Inayat**UC :****Garang****Nature of Scheme : Construction of Under Ground water tank 10ft 8ft h**

S.No	Labours	Unit	Quantity	Rate	Amount
1	Skilled Labour	Man days	25		0.00
2	Unskilled labour	Man days	53		0.00
Total					0.00

Material Cost

S.No	Item	Quantity	Unit	Rate	Amount
1	Cement	90	bags		
2	Sand	359	Cft		
3	Crush	334	Cft		
4	Conc. Block	1271	Nos		
5	Steel 4# Bars	265.00	Kg		
6	Binding wire	4.00			
7	Steel Cover	1	Nos		
8	Shuttering	154	Sft		
9	Weather Coat	1	L/S		
10	Water Charges	2	L/S		
Sub Total					

2. installation of 1 Solar Panel

1	Provision and installation of Solar Panel 300 watts 1 Nos. , PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect. Frame 18 gauge	1	Job		
2	Solar power Water pump DC 12V 180W	1	Nos		
3	HDP Pipe 1"	20	ft		
Sub Total					

4.Village/Settlement Name : Garang**UC :****Garang****Nature of scheme DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND INSTALLATION OF WATER TANK**

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Mechanical borehole drilling below ground level in all type soils from ground up to 260 ft of 12" Dia	Rft	260.00		
2	Provision and installation UPVC pressure pipe diameter 5" (Casing Pipe) Class-B	Rft	221.00		
3	Provision and installation UPVC pressure pipe diameter 5" (Strainer Pipe-vertical slots) Class-C	Rft	39.00		
4	Provision and using Solution for PVC pipes (Adhesive strong bond for PVC 500gm Tin)	No.	2.00		
5	Provision and installation End Cap for 6" dia PVC pipe, Class-E	No.	1.00		
6	Provision and installation of Supply/placing of shrouding material max. 2.00 mm dia (2/8") around the casing pipe around the screen.	CFT	16.00		
7	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching clean water	Job	1.00		
8	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		
9	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system in all respects (European/Germany or China Good quality made system complete and suitable for above requirements)	Job	1.00		
10	Provision and installation of Solar Panels 300 watts each and 6 Nos or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
11	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
12	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross steel bars/angle iron of suitable length and size/gauge welded at the lower end of pipe for proper anchoring in concrete, pole fixed with 1'X1' iron plate having 6mm thickness on top of pole below plates , also included excavation and PCC works for fixing the poles in the ground properly, system of 3-4 panels per structure OR of the same quality as roof mounting structure as per site requirements	Job	1.00		
	Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-Watering Solar Pump Installation etc.		A		-

Detail of BOQ for Water Tank/Pad (9.5'x5'x2.5'), Pressure Pump Chamber (2'x2'x1') and Sanitary works, provision of below materials and installation/construction of civil works as per approved drawing and utilization of all material as mentioned below and as per directions of engineer

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Bricks	No.	848.00		
2	Cement for civil works	No.	13.00		
3	Sand for all the three civil works	Cft	43.00		
4	crush for all the three civil works	Cft	45.00		
5	Back filling material for Tank Pad inner side (Sand) As per Engineer guidance	Cft	50.00		
7	GI pipe (Medium) dia 2", length 8.5' as main pipe in tap stand with built in 5 socket welded all in one side of pipe having dia 1/2" of each, there will be 4" long GI (Medium) nipple will to be fix in these welded sockets and 5 steel taps dia 1/2" each will be connected with these nipples through another socket , one end of main 2" pipe must be closed with 2" stopper and reducer socket having size 2"x1" at other end, properly fixed on the wall, all fittings must be without any leak as directed by the site engineer	Job	1.00		
8	13'Pvc @ 4" dia pipe for drainage (from pump, tanks and water collection point) SCH 26, SDR 41	Rft	26.00		
9	PVC Socket dia 4" UPVC	No.	1.00		
10	Elbow dia 4" UPVC	No.	2.00		
11	1'X1' door (1" Angle iron steel frame, welded with 18 gauge sheet) as directed by the Engineer.	No.	1.00		
12	Water Tank Double Fly, Food grade plastic (fresh polymers) vertical tank dia 4', height 6' (Complete 500 Gallons capacity)	No.	2.00		
13	UPPRC pipe line 32mm 1" Dia	Rft	40.00		
14	PPRC Valves 1" for pipe from water tanks	No.	2.00		
15	PPRC elbows 1"	No.	8.00		
16	PPRC Tee 1"	No.	3.00		
17	PPRC UNION 1"	No.	4.00		
18	PPRC Connectors 1"	No.	5.00		
19	GI nipple 1" HE for connecting PPRC pipe with water tank	No.	2.00		
20	GI Closing Plug (Stopper) 3/4"	No.	1.00		
21	PPRC Collor Socket 1"x3/4"	No.	2.00		
22	PPRC Male Female Elbow 1"x3/4"	No.	1.00		
23	Water waste (Jaali)	No.	1.00		

24	Labour services for installation of Pressure pump	days	1.00		
Total (Supply and fixing Water Tank, Construction of Tank Pad and small chamber for Pressure Pump (PP) complete in all respect. As per attached drawing. Using above mentioned materials/detail)		B			-
Total Amount Per Scheme		A+B			

5.Village/Settlement Name :Hafiz Shafeeq Attok UC : Garang					
Nature of scheme: (02 Nos.) Rehabilitation of Surface tank 10 Dia 6ft height					
<u>S.No</u>	<u>Description</u>	<u>Unit</u>	<u>Qty</u>	<u>Rate</u>	<u>Amount</u>
1	Skilled Labour	Man days	18		
2	Unskilled Labour	Man days	38		
Total					
S.#	Description	Quantity	Unit	Rate/Unit	Amount
1	Cement	36	Bags		
2	Sand	128	Cft		
3	Aggregate	44	Cft		
4	Conc. Block	124	Nos		
5	G.I pipe	20	Rft		
6	Taps	8	Nos		
7	Plaster Chemical Water Proofing	2	Nos		
8	Weather Coat	2	Nos		

6.Village/Settlement Name : Katik 2

UC :

Garang

Nature of scheme DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND INSTALLATION OF WATER TANK

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Mechanical borehole drilling below ground level in all type soils from ground up to 260 ft of 12" Dia	Rft	200.00		
2	Provision and installation UPVC pressure pipe diameter 5" (Casing Pipe) Class-B	Rft	161.00		
3	Provision and installation UPVC pressure pipe diameter 5" (Strainer Pipe-vertical slots) Class-C	Rft	39.00		
4	Provision and using Solution for PVC pipes (Adhesive strong bond for PVC 500gm Tin)	No.	2.00		
5	Provision and installation End Cap for 6" dia PVC pipe, Class-E	No.	1.00		
6	Provision and installation of Supply/placing of shrouding material max. 2.00 mm dia (2/8") around the casing pipe around the screen.	CFT	16.00		
7	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching clean water	Job	1.00		
8	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		
9	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system in all respects (European/Germany or China Good quality made system complete and suitable for above requirements)	Job	1.00		
10	Provision and installation of Solar Panels 300 watts each and 6 Nos or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
11	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
12	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross steel bars/angle iron of suitable length and size/gauge welded at the lower end of pipe for proper anchoring in concrete, pole fixed with 1'X1' iron plate having 6mm thickness on top of pole below plates , also included excavation and PCC works for fixing the poles in the ground properly, system of 3-4 panels per structure OR of the same quality as roof mounting structure as per site requirements	Job	1.00		
	Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-Watering Solar Pump Installation etc.		A		-
<p>Detail of BOQ for Water Tank/Pad (9.5'x5'x2.5'), Pressure Pump Chamber (2'x2'x1') and Sanitary works, provision of below materials and installation/construction of civil works as per approved drawing and utilization of all material as mentioned below and as per directions of engineer</p>					
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5	Back filling material for Tank Pad inner side (Sand) As per Engineer guidance	Cft	50.00		
7	GI pipe (Medium) dia 2", length 8.5' as main pipe in tap stand with built in 5 socket welded all in one side of pipe having dia 1/2" of each, there will be 4" long GI (Medium) nipple will to be fix in these welded sockets and 5 steel taps dia 1/2" each will be connected with these nipples through another socket , one end of main 2" pipe must be closed with 2" stopper and reducer socket having size 2"x1" at other end, properly fixed on the wall, all fittings must be without any leak as directed by the site engineer	job	1.00		
8	13'Pvc @ 4" dia pipe for drainage (from pump, tanks and water collection point) SCH 26, SDR 41	rft	26.00		
9	PVC Socket dia 4" UPVC	No.	1.00		
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11	1'X1' door (1" Angle iron steel frame, welded with 18 gauge sheet) as directed by the Engineer.	No.	1.00		
12	Water Tank Double Fly, Food grade plastic (fresh polymers) vertical tank dia 4', height 6' (Complete 500 Gallons capacity)	No.	2.00		
13	UPPRC pipe line 32mm 1" Dia	Rft	40.00		
14	PPRC Valves 1" for pipe from water tanks	No.	2.00		
15	PPRC elbows 1"	No.	8.00		
16	PPRC Tee 1"	No.	3.00		
17	PPRC UNION 1"	No.	4.00		
18	PPRC Connectors 1"	No.	5.00		
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20	GI Closing Plug (Stopper) 3/4"	No.	1.00		
21	PPRC Collor Socket 1"x3/4"	No.	2.00		
22	PPRC Male Female Elbow 1"x3/4"	No.	1.00		
23	Water waste (Jaali)	No.	1.00		
24	Labour services for installation of Pressure pump	days	1.00		
Total (Supply and fixing Water Tank, Construction of Tank Pad and small chamber for Pressure Pump (PP) complete in all respect. As per attached drawing. Using above mentioned materials/detail)			B		-

Total Amount Per Scheme	A+B
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7.Village/Settlement Killi Marband

UC :

Garang

DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND INSTALLATION OF WATER TANK

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Mechanical borehole drilling below ground level in all type soils from ground up to 260 ft of 12" Dia	Rft	260.00		
2	Provision and installation UPVC pressure pipe diameter 5" (Casing Pipe) Class-B	Rft	221.00		
3	Provision and installation UPVC pressure pipe diameter 5" (Strainer Pipe-vertical slots) Class-C	Rft	39.00		
4	Provision and using Solution for PVC pipes (Adhesive strong bond for PVC 500gm Tin)	No.	2.00		
5	Provision and installation End Cap for 6" dia PVC pipe, Class-E	No.	1.00		
6	Provision and installation of Supply/placing of shrouding material max. 2.00 mm dia (2/8") around the casing pipe around the screen.	CFT	16.00		
7	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching clean water	Job	1.00		
8	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		
9	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system in all respects (European/Germany or China Good quality made system complete and suitable for above requirements)	Job	1.00		
10	Provision and installation of Solar Panels 300 watts each and 6 Nos or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
11	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		

12	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross steel bars/angle iron of suitable length and size/gauge welded at the lower end of pipe for proper anchoring in concrete, pole fixed with 1'X1' iron plate having 6mm thickness on top of pole below plates , also included excavation and PCC works for fixing the poles in the ground properly, system of 3-4 panels per structure OR of the same quality as roof mounting structure as per site requirements	Job	1.00		
Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-Watering Solar Pump Installation etc.		A			-

Detail of BOQ for Water Tank/Pad (9.5'x5'x2.5'), Pressure Pump Chamber (2'x2'x1') and Sanitary works, provision of below materials and installation/construction of civil works as per approved drawing and utilization of all material as mentioned below and as per directions of engineer

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Bricks	No.	848.00		
2	Cement for civil works	No.	13.00		
3	Sand for all the three civil works	Cft	43.00		
4	crush for all the three civil works	Cft	45.00		
5	Back filling material for Tank Pad inner side (Sand) As per Engineer guidance	Cft	50.00		
7	GI pipe (Medium) dia 2", length 8.5' as main pipe in tap stand with built in 5 socket welded all in one side of pipe having dia 1/2" of each, there will be 4" long GI (Medium) nipple will to be fix in these welded sockets and 5 steel taps dia 1/2" each will be connected with these nipples through another socket , one end of main 2" pipe must be closed with 2" stopper and reducer socket having size 2"x1" at other end, properly fixed on the wall, all fittings must be without any leak as directed by the site engineer	job	1.00		
8	13'Pvc @ 4" dia pipe for drainage (from pump, tanks and water collection point) SCH 26, SDR 41	rft	26.00		
9	PVC Socket dia 4" UPVC	No.	1.00		
10	Elbow dia 4" UPVC	No.	2.00		
11	1'X1' door (1" Angle iron steel frame, welded with 18 guage sheet) as directed by the Engineer.	No.	1.00		
12	Water Tank Double Fly, Food grade plastic (fresh polymers) vertical tank dia 4', height 6' (Complete 500 Gallons capacity)	No.	2.00		
13	UPPRC pipe line 32mm 1" Dia	Rft	40.00		
14	PPRC Valves 1" for pipe from water tanks	No.	2.00		
15	PPRC elbows 1"	No.	8.00		
16	PPRC Tee 1"	No.	3.00		

17	PPRC UNION 1"	No.	4.00		
18	PPRC Connectors 1"	No.	5.00		
19	GI nipple 1" HE for connecting PPRC pipe with water tank	No.	2.00		
20	GI Closing Plug (Stopper) 3/4"	No.	1.00		
21	PPRC Collar Socket 1"x3/4"	No.	2.00		
22	PPRC Male Female Elbow 1"x3/4"	No.	1.00		
23	Water waste (Jaali)	No.	1.00		
24	Labour services for installation of Pressure pump	days	1.00		
Total (Supply and fixing Water Tank, Construction of Tank Pad and small chamber for Pressure Pump (PP) complete in all respect. As per attached drawing. Using above mentioned materials/detail)				B	
Total Amount Per Scheme				A+B	

8 Village/Settlement Killi Salambaig		UC :		Garang	
Nature of scheme: Rehabilitation of surface tank					
S.No	Description	Unit	Quantity	Rate	Amount
1	Skilled Labour	Man days	9		
2	Unskilled Labour	Man days	19		
Total					
S.#	Description	Quantity	Unit	Rate/Unit	Amount
1	Cement	18	Bags		
2	Sand	64	Cft		
3	Aggregate	22	Cft		
4	Conc. Block	62	Nos		
5	G.I pipe	10	Rft		
6	Taps	4	Nos		
7	Plaster Chemical Water Proofing	1	Nos		
8	Weather Coat	1	Nos		
9	Provision and installation of Solar Panel 300 watts 1 Nos , PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminium with Anti-reflection cover glass including fixing and installation complete in all respect. Frame 18 gauge	1	Job		
10	Donkey Pump DC 12V 180W (DC Motor)	1	Nos		
11	HDP Pipe 1"	20	ft		

	Total				
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9.Village/Settlement Killi zaman Salambaig	UC :	Garang
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Nature of scheme Rehabilitation of surface tank					
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S.No	Description	Unit	Quantity	Rate	Amount
1	Skilled Labour	Man days	9		
2	Unskilled labour	Man days	19		
Total					

S.#	Description	Quantity	Unit	Rate/Unit	Amount
1	Cement	18	Bags		
2	Sand	64	Cft		
3	Aggregate	22	Cft		
4	Conc. Block	62	Nos		
5	G.I pipe	10	Rft		
6	Taps	4	Nos		
7	Plaster Chemical Water Proofing	1	Nos		
8	Weather Coat	1	Nos		

10.Village/Settlement Killi Kushk	UC :	Garang
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Nature of scheme DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND INSTALLATION OF WATER TANK					
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Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Mechanical borehole drilling below ground level in all type soils from ground up to 260 ft of 12" Dia	Rft	260.00		
2	Provision and installation UPVC pressure pipe diameter 5" (Casing Pipe) Class-B	Rft	221.00		
3	Provision and installation UPVC pressure pipe diameter 5" (Strainer Pipe-vertical slots) Class-C	Rft	39.00		
4	Provision and using Solution for PVC pipes (Adhesive strong bond for PVC 500gm Tin)	No.	2.00		
5	Provision and installation End Cap for 6" dia PVC pipe, Class-E	No.	1.00		
6	Provision and installation of Supply/placing of shrouding material max. 2.00 mm dia (2/8") around the casing pipe around the screen.	CFT	16.00		
7	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching the clean water	Job	1.00		
8	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		

9	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system in all respects (European/Germany or China Good quality made system complete and suitable for above requirements)	Job	1.00		
10	Provision and installation of Solar Panels 300 watts each and 6 Nos. or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
11	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
12	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross steel bars/angle iron of suitable length and size/gauge welded at the lower end of pipe for proper anchoring in concrete, pole fixed with 1'X1' iron plate having 6mm thickness on top of pole below plates , also included excavation and PCC works for fixing the poles in the ground properly, system of 3-4 panels per structure OR of the same quality as roof mounting structure as per site requirements	Job	1.00		
Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-watering Solar Pump Installation etc.			A		-

Detail of BOQ for Water Tank/Pad (9.5'x5'x2.5'), Pressure Pump Chamber (2'x2'x1') and Sanitary works, provision of below materials and installation/construction of civil works as per approved drawing and utilization of all material as mentioned below and as per directions of engineer

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Bricks	No.	848.00		
2	Cement for civil works	No.	13.00		
3	Sand for all the three civil works	Cft	43.00		
4	crush for all the three civil works	Cft	45.00		
5	Back filling material for Tank Pad inner side (Sand) As per Engineer guidance	Cft	50.00		
7	GI pipe (Medium) dia 2", length 8.5' as main pipe in tap stand with built in 5 socket welded all in one side of pipe having dia 1/2" of each, there will be 4" long GI (Medium) nipple will to be fix in these welded sockets and 5 steel taps dia 1/2" each will be connected with these nipples through another socket , one end of main 2" pipe must be closed with 2" stopper and reducer socket having size 2"x1" at other end, properly fixed on the wall, all fittings must be without any leak as directed by the site engineer	job	1.00		
8	13'Pvc @ 4" dia pipe for drainage (from pump, tanks and water collection point) SCH 26, SDR 41	rft	26.00		
9	PVC Socket dia 4" UPVC	No.	1.00		

10	Elbow dia 4" UPVC	No.	2.00		
11	1'X1' door (1" Angle iron steel frame, welded with 18 gauge sheet) as directed by the Engineer.	No.	1.00		
12	Water Tank Double Fly, Food grade plastic (fresh polymers) vertical tank dia 4', height 6' (Complete 500 Gallons capacity)	No.	2.00		
13	UPPRC pipe line 32mm 1" Dia	Rft	40.00		
14	PPRC Valves 1" for pipe from water tanks	No.	2.00		
15	PPRC elbows 1"	No.	8.00		
16	PPRC Tee 1"	No.	3.00		
17	PPRC UNION 1"	No.	4.00		
18	PPRC Connectors 1"	No.	5.00		
19	GI nipple 1" HE for connecting PPRC pipe with water tank	No.	2.00		
20	GI Closing Plug (Stopper) 3/4"	No.	1.00		
21	PPRC Collor Socket 1"x3/4"	No.	2.00		
22	PPRC Male Female Elbow 1"x3/4"	No.	1.00		
23	Water waste (Jaali)	No.	1.00		
24	Labour services for installation of Pressure pump	days	1.00		
	Total (Supply and fixing Water Tank, Construction of Tank Pad and small chamber for Pressure Pump (PP) complete in all respect. As per attached drawing. Using above mentioned materials/detail)		B		
Total Amount Per Scheme			A+B		

Nature of Scheme DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND INSTALLATION OF WATER TANK

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching clean water	Job	1.00		
2	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	1800.00		
3	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system in all respects (European/Germany or China Good quality made system complete and suitable for above requirements)	Job	1.00		
4	Provision and installation of Solar Panels 300 watts each and 6 Nos or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
5	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
6	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross steel bars/angle iron of suitable length and size/gauge welded at the lower end of pipe for proper anchoring in concrete, pole fixed with 1'X1' iron plate having 6mm thickness on top of pole below plates , also included excavation and PCC works for fixing the poles in the ground properly, system of 3-4 panels per structure OR of the same quality as roof mounting structure as per site requirements	Job	1.00		
Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-watering Solar Pump Installation etc.			A		-
Detail of BOQ for Water Tank/Pad (9.5'x5'x2.5'), Pressure Pump Chamber (2'x2'x1') and Sanitary works, provision of below materials and installation/construction of civil works as per approved drawing and utilization of all material as mentioned below and as per directions of engineer					
Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Bricks	No.	848.00		
2	Cement for civil works	No.	13.00		
3	Sand for all the three civil works	Cft	43.00		
4	crush for all the three civil works	Cft	45.00		
5	Back filling material for Tank Pad inner side (Sand) As per Engineer guidance	Cft	50.00		

7	GI pipe (Medium) dia 2", length 8.5' as main pipe in tap stand wiht built in 5 socket welded all in one side of pipe having dia 1/2" of each, there will be 4" long GI (Medium) nipple will to be fix in these welded sockets and 5 steel taps dia 1/2" each will be connected with these nipples through another socket , one end of main 2" pipe must be closed with 2" stopper and reducer socket having size 2"x1" at other end, properly fixed on the wall, all fittings must be without any leak as directed by the site engineer	job	1.00		
8	13'Pvc @ 4" dia pipe for drainage (from pump, tanks and water collection point) SCH 26, SDR 41	rft	26.00		
9	PVC Socket dia 4" UPVC	No.	1.00		
10	Elbow dia 4" UPVC	No.	2.00		
11	1'X1' door (1" Angle iron steel frame, welded with 18 guage sheet) as directed by the Engineer.	No.	1.00		
12	Water Tank Double Fly, Food grade plastic (fresh polymers) vertical tank dia 4', height 6' (Complete 500 Gallons capacity)	No.	2.00		
13	UPPRC pipe line 32mm 1" Dia	Rft	40.00		
14	PPRC Valves 1" for pipe from water tanks	No.	2.00		
15	PPRC elbows 1"	No.	8.00		
16	PPRC Tee 1"	No.	3.00		
17	PPRC UNION 1"	No.	4.00		
18	PPRC Connectors 1"	No.	5.00		
19	GI nipple 1" HE for connecting PPRC pipe with water tank	No.	2.00		
20	GI Closing Plug (Stopper) 3/4"	No.	1.00		
21	PPRC Collar Socket 1"x3/4"	No.	2.00		
22	PPRC Male Female Elbow 1"x3/4"	No.	1.00		
23	Water waste (Jaali)	No.	1.00		
24	Labour services for installation of Pressure pump	days	1.00		
Total (Supply and fixing Water Tank, Construction of Tank Pad and small chamber for Pressure Pump (PP) complete in all respect. As per attached drawing. Using above mentioned materials/detail)			B		
Total Amount Per Scheme			A+B		

12.Village/Settlement Sar daily Maula Baksh UC : Garang

Nature of scheme Rehabilitation of surface tank

<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
Skilled Labour	Man days	9		
Unskilled labour	Man days	19		
Discription	Quantity	Unit	Rate/Unit	Amount
Cement	18	Bags		
Sand	64	Cft		
Aggregate	22	Cft		
Conc. Block	62	Nos		
G.I pipe	10	Rft		
Taps	4	Nos		
Plaster Chemical Water Proofing	1	Nos		
Weather Coat	1	Nos		

13.Village/Settlement Killi Mengal Kona Chah UC : Jangian

Nature of Scheme DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND INSTALLATION OF WATER TANK

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Mechanical borehole drilling below ground level in all type soils from ground up to 260 ft of 12" Dia	Rft	220.00		
2	Provision and installation UPVC pressure pipe diameter 5" (Casing Pipe) Class-B	Rft	181.00		
3	Provision and installation UPVC pressure pipe diameter 5" (Strainer Pipe-vertical slots) Class-C	Rft	39.00		
4	Provision and using Solution for PVC pipes (Adhesive strong bond for PVC 500gm Tin)	No.	2.00		
5	Provision and installation End Cap for 6" dia PVC pipe, Class-E	No.	1.00		
6	Provision and installation of Supply/placing of shrouding material max. 2.00 mm dia (2/8") around the casing pipe around the screen.	CFT	16.00		
7	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching clean water	Job	1.00		
8	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		

9	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system in all respects (European/Germany or China Good quality made system complete and suitable for above requirements)	Job	1.00		
10	Provision and installation of Solar Panels 300 watts each and 6 Nos or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
11	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
12	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross steel bars/angle iron of suitable length and size/gauge welded at the lower end of pipe for proper anchoring in concrete, pole fixed with 1'X1' iron plate having 6mm thickness on top of pole below plates , also included excavation and PCC works for fixing the poles in the ground properly, system of 3-4 panels per structure OR of the same quality as roof mounting structure as per site requirements	Job	1.00		
Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-watering Solar Pump Installation etc.			A		-

Detail of BOQ for Water Tank/Pad (9.5'x5'x2.5'), Pressure Pump Chamber (2'x2'x1') and Sanitary works, provision of below materials and installation/construction of civil works as per approved drawing and utilization of all material as mentioned below and as per directions of engineer

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Bricks	No.	848.00		
2	Cement for civil works	No.	13.00		
3	Sand for all the three civil works	Cft	43.00		
4	crush for all the three civil works	Cft	45.00		
5	Back filling material for Tank Pad inner side (Sand) As per Engineer guidance	Cft	50.00		
7	GI pipe (Medium) dia 2", length 8.5' as main pipe in tap stand with built in 5 socket welded all in one side of pipe having dia 1/2" of each, there will be 4" long GI (Medium) nipple will to be fix in these welded sockets and 5 steel taps dia 1/2" each will be connected with these nipples through another socket , one end of main 2" pipe must be closed with 2" stopper and reducer socket having size 2"x1" at other end, properly fixed on the wall, all fittings must be without any leak as directed by the site engineer	job	1.00		
8	13'Pvc @ 4" dia pipe for drainage (from pump, tanks and water collection point) SCH 26, SDR 41	rft	26.00		
9	PVC Socket dia 4" UPVC	No.	1.00		

10	Elbow dia 4" UPVC	No.	2.00		
11	1'X1' door (1" Angle iron steel frame, welded with 18 gauge sheet) as directed by the Engineer.	No.	1.00		
12	Water Tank Double Fly, Food grade plastic (fresh polymers) vertical tank dia 4', height 6' (Complete 500 Gallons capacity)	No.	2.00		
13	UPPRC pipe line 32mm 1" Dia	Rft	40.00		
14	PPRC Valves 1" for pipe from water tanks	No.	2.00		
15	PPRC elbows 1"	No.	8.00		
16	PPRC Tee 1"	No.	3.00		
17	PPRC UNION 1"	No.	4.00		
18	PPRC Connectors 1"	No.	5.00		
19	GI nipple 1" HE for connecting PPRC pipe with water tank	No.	2.00		
20	GI Closing Plug (Stopper) 3/4"	No.	1.00		
21	PPRC Collar Socket 1"x3/4"	No.	2.00		
22	PPRC Male Female Elbow 1"x3/4"	No.	1.00		
23	Water waste (Jaali)	No.	1.00		
24	Labour services for installation of Pressure pump	days	1.00		
	Total (Supply and fixing Water Tank, Construction of Tank Pad and small chamber for Pressure Pump (PP) complete in all respect. As per attached drawing. Using above mentioned materials/detail)		B		
	Total Amount Per Scheme		A+B		

14.Village/settlement Killi Abdul Qadoos

UC :

Jangian

Nature of Work DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND INSTALLATION OF WATER TANK

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Mechanical borehole drilling below ground level in all type soils from ground up to 260 ft of 12" Dia	Rft	220.00		
2	Provision and installation UPVC pressure pipe diameter 5" (Casing Pipe) Class-B	Rft	181.00		
3	Provision and installation UPVC pressure pipe diameter 5" (Strainer Pipe-vertical slots) Class-C	Rft	39.00		
4	Provision and using Solution for PVC pipes (Adhesive strong bond for PVC 500gm Tin)	No.	2.00		
5	Provision and installation End Cap for 6" dia PVC pipe, Class-E	No.	1.00		
6	Provision and installation of Supply/placing of shrouding material max. 2.00 mm dia (2/8") around the casing pipe around the screen.	CFT	16.00		
7	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching clean water	Job	1.00		
8	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		
9	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system in all respects (European/Germany or China Good quality made system complete and suitable for above requirements)	Job	1.00		
10	Provision and installation of Solar Panels 300 watts each and 6 Nos. or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
11	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
12	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross steel bars/angle iron of suitable length and size/gauge welded at the lower end of pipe for proper anchoring in concrete, pole fixed with 1'X1' iron plate having 6mm thickness on top of pole below plates , also included excavation and PCC works for fixing the poles in the ground properly, system of 3-4 panels per structure OR of the same quality as roof mounting structure as per site requirements	Job	1.00		
	Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-watering Solar Pump Installation etc.		A		-
Detail of BOQ for Water Tank/Pad (9.5'x5'x2.5'), Pressure Pump Chamber (2'x2'x1') and Sanitary works, provision of below materials and installation/construction of civil works as per approved drawing and utilization of all material as mentioned below and as per directions of engineer					
Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Bricks	No.	848.00		

2	Cement for civil works	No.	13.00		
3	Sand for all the three civil works	Cft	43.00		
4	crush for all the three civil works	Cft	45.00		
5	Back filling material for Tank Pad inner side (Sand) As per Engineer guidance	Cft	50.00		
7	GI pipe (Medium) dia 2", length 8.5' as main pipe in tap stand with built in 5 socket welded all in one side of pipe having dia 1/2" of each, there will be 4" long GI (Medium) nipple will to be fix in these welded sockets and 5 steel taps dia 1/2" each will be connected with these nipples through another socket , one end of main 2" pipe must be closed with 2" stopper and reducer socket having size 2"x1" at other end, properly fixed on the wall, all fittings must be without any leak as directed by the site engineer	job	1.00		
8	13'Pvc @ 4" dia pipe for drainage (from pump, tanks and water collection point) SCH 26, SDR 41	rft	26.00		
9	PVC Socket dia 4" UPVC	No.	1.00		
10	Elbow dia 4" UPVC	No.	2.00		
11	1'X1' door (1" Angle iron steel frame, welded with 18 gauge sheet) as directed by the Engineer.	No.	1.00		
12	Water Tank Double Fly, Food grade plastic (fresh polymers) vertical tank dia 4', height 6' (Complete 500 Gallons capacity)	No.	2.00		
13	UPPRC pipe line 32mm 1" Dia	Rft	40.00		
14	PPRC Valves 1" for pipe from water tanks	No.	2.00		
15	PPRC elbows 1"	No.	8.00		
16	PPRC Tee 1"	No.	3.00		
17	PPRC UNION 1"	No.	4.00		
18	PPRC Connectors 1"	No.	5.00		
19	GI nipple 1" HE for connecting PPRC pipe with water tank	No.	2.00		
20	GI Closing Plug (Stopper) 3/4"	No.	1.00		
21	PPRC Collar Socket 1"x3/4"	No.	2.00		
22	PPRC Male Female Elbow 1"x3/4"	No.	1.00		
23	Water waste (Jaali)	No.	1.00		
24	Labour services for installation of Pressure pump	days	1.00		
	Total (Supply and fixing Water Tank, Construction of Tank Pad and small chamber for Pressure Pump (PP) complete in all respect. As per attached drawing. Using above mentioned materials/detail)		B		-
Total Amount Per Scheme			A+B		

15.Village/Settlement Killi Ghulam Rasool

UC :

Jangian

Nature of scheme DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND INSTALLATION OF WATER TANK

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Mechanical borehole drilling below ground level in all type soils from ground up to 260 ft of 12" Dia	Rft	220.00		
2	Provision and installation UPVC pressure pipe diameter 5" (Casing Pipe) Class-B	Rft	181.00		
3	Provision and installation UPVC pressure pipe diameter 5" (Strainer Pipe-vertical slots) Class-C	Rft	39.00		
4	Provision and using Solution for PVC pipes (Adhesive strong bond for PVC 500gm Tin)	No.	2.00		
5	Provision and installation End Cap for 6" dia PVC pipe, Class-E	No.	1.00		
6	Provision and installation of Supply/placing of shrouding material max. 2.00 mm dia (2/8") around the casing pipe around the screen.	CFT	16.00		
7	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching clean water	Job	1.00		
8	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		
9	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system in all respects (European/Germany or China Good quality made system complete and suitable for above requirements)	Job	1.00		
10	Provision and installation of Solar Panels 300 watts each and 6 Nos. or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
11	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
12	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross steel bars/angle iron of suitable length and size/gauge welded at the lower end of pipe for proper anchoring in concrete, pole fixed with 1'X1' iron plate having 6mm thickness on top of pole below plates , also included excavation and PCC works for fixing the poles in the ground properly, system of 3-4 panels per structure OR of the same quality as roof mounting structure as per site requirements	Job	1.00		
Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-watering Solar Pump Installation etc.			A		-

Detail of BOQ for Water Tank/Pad (9.5'x5'x2.5'), Pressure Pump Chamber (2'x2'x1') and Sanitary works, provision of below materials and installation/construction of civil works as per approved drawing and utilization of all material as mentioned below and as per directions of engineer					
Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Bricks	No.	848.00		
2	Cement for civil works	No.	13.00		
3	Sand for all the three civil works	Cft	43.00		
4	crush for all the three civil works	Cft	45.00		
5	Back filling material for Tank Pad inner side (Sand) As per Engineer guidance	Cft	50.00		
7	GI pipe (Medium) dia 2", length 8.5' as main pipe in tap stand with built in 5 socket welded all in one side of pipe having dia 1/2" of each, there will be 4" long GI (Medium) nipple will to be fix in these welded sockets and 5 steel taps dia 1/2" each will be connected with these nipples through another socket , one end of main 2" pipe must be closed with 2" stopper and reducer socket having size 2"x1" at other end, properly fixed on the wall, all fittings must be without any leak as directed by the site engineer	job	1.00		
8	13'Pvc @ 4" dia pipe for drainage (from pump, tanks and water collection point) SCH 26, SDR 41	rft	26.00		
9	PVC Socket dia 4" UPVC	No.	1.00		
10	Elbow dia 4" UPVC	No.	2.00		
11	1'X1' door (1" Angle iron steel frame, welded with 18 guage sheet) as directed by the Engineer.	No.	1.00		
12	Water Tank Double Fly, Food grade plastic (fresh polymers) vertical tank dia 4', height 6' (Complete 500 Gallons capacity)	No.	2.00		
13	UPPRC pipe line 32mm 1" Dia	Rft	40.00		
14	PPRC Valves 1" for pipe from water tanks	No.	2.00		
15	PPRC elbows 1"	No.	8.00		
16	PPRC Tee 1"	No.	3.00		
17	PPRC UNION 1"	No.	4.00		
18	PPRC Connectors 1"	No.	5.00		
19	GI nipple 1" HE for connecting PPRC pipe with water tank	No.	2.00		
20	GI Closing Plug (Stopper) 3/4"	No.	1.00		
21	PPRC Collar Socket 1"x3/4"	No.	2.00		
22	PPRC Male Female Elbow 1"x3/4"	No.	1.00		

23	Water waste (Jaali)	No.	1.00		
24	Labour services for installation of Pressure pump	days	1.00		
Total (Supply and fixing Water Tank, Construction of Tank Pad and small chamber for Pressure Pump (PP) complete in all respect. As per attached drawing. Using above mentioned materials/detail)		B			
Total Amount Per Scheme		A+B			

16.Village/Settlement Killi Mulla Arif
UC :
Jangian
Nature of scheme DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Mechanical borehole drilling below ground level in all type soils from ground up to 260 ft of 12" Dia	Rft	220.00		
2	Provision and installation UPVC pressure pipe diameter 5" (Casing Pipe) Class-B	Rft	181.00		
3	Provision and installation UPVC pressure pipe diameter 5" (Strainer Pipe-vertical slots) Class-C	Rft	39.00		
4	Provision and using Solution for PVC pipes (Adhesive strong bond for PVC 500gm Tin)	No.	2.00		
5	Provision and installation End Cap for 6" dia PVC pipe, Class-E	No.	1.00		
6	Provision and installation of Supply/placing of shrouding material max. 2.00 mm dia (2/8") around the casing pipe around the screen.	CFT	16.00		
7	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching clean water	Job	1.00		
8	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		
9	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system	Job	1.00		
10	Provision and installation of Solar Panels 300 watts each and 04 Nos. or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass include	Job	1.00		
11	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
12	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross	Job	1.00		
Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-watering Solar Pump Installation etc.		A			

Total Amount Per Scheme	
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17.Village/Settlement Killi Sakhi Sultan	UC :	Jangian
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DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"/d continuously till reaching clean water	Job	1.00		
2	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	180.00		
3	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system	Job	1.00		
4	Provision and installation of Solar Panels 300 watts each and 04 Nos or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass include	Job	1.00		
5	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
6	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross	Job	1.00		
Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-watering Solar Pump Installation etc.			A		
Total Amount Per Scheme					

18.Village/Settlement Kabeer Sasoli	UC :	Jangian
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Nature of scheme DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP and rehabilitation surface tank

Sr #	Description	Unit	Quantity	Unit Rate	Amount

1	Mechanical borehole drilling below ground level in all type soils from ground up to 260 ft of 12" Dia	Rft	220.00		
2	Provision and installation UPVC pressure pipe diameter 5" (Casing Pipe) Class-B	Rft	181.00		
3	Provision and installation UPVC pressure pipe diameter 5" (Strainer Pipe-vertical slots) Class-C	Rft	39.00		
4	Provision and using Solution for PVC pipes (Adhesive strong bond for PVC 500gm Tin)	No.	2.00		
5	Provision and installation End Cap for 6" dia PVC pipe, Class-E	No.	1.00		
6	Provision and installation of Supply/placing of shrouding material max. 2.00 mm dia (2/8") around the casing pipe around the screen.	CFT	16.00		
7	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"i/d continuously till reaching clean water	Job	1.00		
8	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	220.00		
9	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system	Job	1.00		
10	Provision and installation of Solar Panels 300 watts each and 06 Nos. or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including fixing and installation complete in all respect	Job	1.00		
11	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
12	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross	Job	1.00		
	Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-watering Solar Pump Installation etc.	A			
S.#	Discription	Quantity	Unit	Rate/Unit	Amount
1	Cement	18	Bags		
2	Sand	64	Cft		
3	Aggregate	22	Cft		
4	Conc. Block	62	Nos		
5	G.I pipe	10	Rft		
6	Taps	4	Nos		
7	Plaster Chemical Water Proofing	1	Jobs		
8	Weather Coat	1	Jobs		
S.No	Description	Unit	Qty	Rate	Amount
1	Skilled Labour	Mandays	9		
2	Unskilled labour	Mandays	19		

Nature of Scheme DETAILED COST ESTIMATE OF SOLAR POWER PRESSURE PUMP AND Rehabilitation OF WATER TANK

Sr #	Description	Unit	Quantity	Unit Rate	Amount
1	Dewatering and cleaning of boring well by supplier's own pressure pump/compressor machine Develop pressure pump of size 4"/d continuously till reaching clean water	Job	1.00		
2	Supply and fixing of HDPE PN 12.5, diameter 32 mm pipe as delivery pipe	RFT	180.00		
3	Provision and installation of Solar pump system TDH 150-220 feet with 1000 to 1500 liter per hour along with motor & pump controller, PV disconnect, sun sensor, plastic wrapped suspension cable (holding rope) 8 mm or thicker etc. OR above, complete system	Job	1.00		
4	Provision and installation of Solar Panels 300 watts each and 04 Nos. or as per requirements of pump, PV Module with 17.2% efficiency, Mono Crystalline Silicon Grade-A Solar Cells, must have clear anodized aluminum with Anti-reflection cover glass including	Job	1.00		
5	Electric cable 6mm 3 core + single core or any other as per requirement for fitting/installation of system	Job	1.00		
6	Provision and installation of mounting structure Galvanized iron frame Gauge not less than 10 SWG, elevated from natural ground at least at 7 feet height with the help of GI pipe as mounting pole having diameter 5 inches and thickness 3.6 mm with 2 cross	Job	1.00		
	Total for above, Boring works, casing-Filter pipe Installation, shrouding, de-waterring Solar Pump Installation etc.	A			-
S.#	Discription	Quantity	Unit	Rate/Unit	Amount
1	Cement	18	Bags		
2	Sand	64	Cft		
3	Aggregate	22	Cft		
4	Conc. Block	62	Nos		
5	G.I pipe	10	Rft		
6	Taps	4	Nos		
7	Plaster Chemical Water Proofing	1	Jobs		
8	Weather Coat	1	Jobs		
S.No	Description	Unit	Qty	Rate	Amount
1	Skilled Labour	Mandays	9		
2	Unskilled labour	Mandays	19		

20.Village/Settlement Name : Killi Umer shah

UC :

Garang

Nature of scheme: (02 Nos.) Rehabilitation of Surface tank 10 Dia 6ft height

<u>S.No</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
1	Skilled Labour	Man days	18		
2	Unskilled labour	Man days	38		
Total					
S.#	Description	Quantity	Unit	Rate/Unit	Amount
1	Cement	36	Bags		
2	Sand	128	Cft		
3	Aggregate	44	Cft		
4	Conc. Block	124	Nos		
5	G.I pipe	20	Rft		
6	Taps	8	Nos		
7	Plaster Chemical Water Proofing	2	Nos		
8	Weather Coat	2	Nos		

Contractor Sign & Seal

