

Supply and Installation of Solar Based Pressure Pump at Mohalla Ganderi Gharbi,Village Ganderi ,Tehsil Takhte Nasrati ,District Karak.

TERMS OF REFERENCES

The requirement for Solar Based Pressure Pump at Mohalla Ganderi Gharbi,Village Ganderi ,Tehsil Takhte Nasrati ,District Karak.

Abstract of Cost

	Description	Unit	Qty
1	Supplying of customized G.I pre-fabricated solar stand for fixing solar panels including anchor bolts including nuts, bolts ,washers etc ,complete solar system installation in all respect	Lumpsum	
2	supplying of solar panel (PV module),585-610 watts each, Tier 1 Quality.	No	9
3	Supply of VFD/Inverter ,for 03 HP pump.The VFD/Inverter should run 03 HP pump smoothly.	No	1
4	supplying of DC 12mm square tin coated pure copper cable, from pv module to vfd.	feet	350
5	supplying of main steel DB,14 SWG,powder coated (18"x30") well ventilated , with lock and locking arrangement ,fixing breakers and VFD in DB detail . 02 nos,AC/DC breaker 30A. Including earthing for solar system .	Lumpsum	
6	Boring with percussion method/rotary method 8" dia bore in any type of soil up to 400 feet depth including Mobilization and demobilization machinery at site	Feet	400

7	P/F, Submersible Pump ,Stainless Steel with stainless steel impellers, 4" casing size, 3HP, single phase Pump 50-hz 220/230 volts with suitable coper wire 400 Rft with plastic coated wire rope 400', with 1" Dia Polyethylene pipe 400' with all Fittings, control board / penal complete in all respect	No	1
8	Providing and fixing of PVC casing pipe/GI steel pipe and strainer 6"dia, including lowering pipe in bore hole with rope and jointing the pipe with solvent/steel clamp for holding pipes in bore hole etc	Feet	400
9	Shrouding with pea gravel 1/8" to 1/4",filling around the bore hole and washing the bore hole.	Lumpsum	
10	Construction of Pump Foundation 1'x1'x2' with Concrete Khura 4'x4' , complete in all respect	Lumpsum	

- i. Solar Panel must be brand new & should have panel warranty/guarantee not less than 10 years.
- ii. The quoted solar panel manufacturer must be tier 1 brand.
- iii. Bid bond amount will be Rs. 20,000/-
- iv. Delivery, installation and commissioning of mentioned location is 60 days from issuance of PO, on FOR basis.
- v. Payment shall be made after successfully supply, installation & testing of the Solarization projects at mentioned site.
- vi. Bid validity must be 120 days from bid opening.
- vii. Evaluation shall be carried out on full consignment wise basis.
- viii. All quoted solar equipment and VFD and Pressure Pump should be of reputable brand.

- ix. The bidder should read and will accept the TOR and OGDCL Tender Documents Terms and conditions mentioned on OGDCL Website. If bidder required any information, it should be cleared prior to bid submission. For any query kindly contact
Regional Office Kohat
Bungalow No.22, Plot No.8
C.M.H. Road Kohat Cantt
Ph # 0922-511565 Fax # 0922-9260006
- x. Single phase power is available at mentioned site.
- xi. Prior experience in installation of Solar Pressure Pump is mandatory, Previous Work completion certificates regarding installation of Solar Pressure Pumps are required.
- xii. FBR registration is must. The vendor must be on FBR Active Tax Payer list and should not be black listed firm from any organization.
- xiii. PEC Registration is must.
- xiv. All issues arising during execution of Installation of Solar pressure pump such as boring issues, skilled/unskilled manpower, machinery and equipment are responsibility of Contractor