

Queries Response RQ 2688

S. No.	Clarification Requested	Reply
1	Required Pump Discharge: The TOR specifies a delivery head of 80 ft and an indicative irrigated area of over 70 acres, but the required pump discharge/capacity is not stated. Kindly confirm the required design discharge in litres/second, m ³ /hour or cusecs at the specified delivery head for each site, to enable appropriate selection of the pump, motor, VFD and solar PV capacity.	The bidder has to propose optimal delivery head, discharge cross-ponding 6-inch delivery pipe.
2	Pump Setting Depth: The TOR indicates a static water level of approximately 65–70 ft and specifies the pump setting at 70–75 ft below ground level. Kindly confirm whether the stated pump-setting depth is mandatory or whether the bidder may determine the final pump installation depth based on actual static water level, pumping water level/drawdown and yield test results, while maintaining the required hydraulic performance.	The proposed specification is as per existing solar tube wells in the area, but this may be little bit differ from this or may be not the bidder to measure the actual static water level and carry out a step-drawdown/yield test and to set the pump.
3	6-inch HDPE Delivery Pipe – Length and Application: The TOR specifies a 6-inch diameter HDPE delivery pipe, but neither its required length nor its exact application is indicated in the BOQ. Kindly confirm the required quantity/length at each site and clarify whether the 6-inch HDPE pipe is intended as the surface delivery main from the tubewell head to the irrigation channel/outlet, or is also intended to form part of the downhole rising/column pipe.	the 6-inch HDPE pipe is the surface delivery main from the tube-well head to the community watercourse/nakka.
4	Solar PV Module Technology: The technical specifications require polycrystalline PV modules. Considering the current market availability of higher-efficiency Tier-1 monocrystalline/N-type modules, kindly confirm whether bidders may offer monocrystalline/N-type PV modules of equivalent or higher total installed capacity and performance, provided that all other technical requirements and the stipulated 25-year performance warranty are fully met.	• Yes, if fulfilled rest of the requirements as stated in the bid document

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5	Bore Depth Discrepancy: Section IV.6 of the TOR specifies a bore depth of 100–140 ft, whereas Annex IV/Financial Proposal describes the earth drilling/water boring as 90–120 ft. Kindly confirm the applicable design and pricing depth/range for Site 2.	Its 100–140
6	Bore Casing and Screen Details: The TOR specifies a 10-inch diameter bore and “PVC filter pipe, best quality,” but the casing diameter, pressure/class, wall thickness, screen length and slot size are not specified. Kindly confirm whether these parameters are to be proposed by the bidder based on the encountered geological formation and aquifer characteristics, including provision of suitable blind casing, slotted screen/filter and gravel pack.	Yes, these parameters are to be proposed by the bidder
7	Existing Bore at Site 1: For Chah Ghung Sawarabad, where the bore is stated to be already available, kindly provide, if available, the existing bore depth, casing diameter, casing/screen details, static water level and previous yield/discharge test data. Alternatively, please confirm that the successful bidder will be permitted to conduct the necessary inspection and pumping/yield test before final pump selection and installation.	Design the solar water pumping system as per above stated in serial numbers 1 and 2. Yes, the Potential bidder will conduct the necessary inspection and pumping/yield testing before final installation of submersible pump at this site checking the existing bore depth, casing diameter, casing/screen details, static water level and previous yield/discharge test data.
8	PV Array Security/Fencing: Kindly confirm whether security fencing/anti-theft protection around the solar PV array is required under the contractor's scope, and if so, please provide the required dimensions/specifications so that the same can be appropriately included in the financial proposal.	Please refer to TORs