

## Pre Bid Queries &amp; Replies for Tender no :PMHBL/ENQ/SOLAR-PMC/17-18/129 for PMC services for EPCM for proposed solar power plants at PMHBL Stations.

Sr No	Description	Clarification Required	Petronet MHB Limited(PMHBL) Reply
1	<p>Annexure A "Detailed Scope of Work. Para1 to 3 above Part 1 Page no. 2 of 10 Para 1</p> <p>The scope of work broadly includes design, engineering to mechanical completion and commissioning and performance guarantee of the solar plant.....</p> <p>Para 2</p> <p>It is not the intention of this document to completely specify all details services required during engineering, manufacture and construction. Nevertheless the service provided shall confirm to the highest standards in a manner acceptable to PMHBL. Any additional facility , services which are not specifically mentioned here, but are required to make the solar power plants complete in every aspect in accordance with the intent and technical specification and for safe operation and guaranteed performance, shall be covered under the scope of work. Bidder shall provide the power (Solar energy) guarantee of the solar power plant.</p> <p>Para 3</p> <p>Bidder to make necessary design change to achieve the power (Solar energy) without any additional cost and time implication to the PMHBL if required</p>	<p>Referring Para 1 Para Para 3 of SoW Clause needs some clarity.</p> <p>In the said clause it seems requirements of EPC contractor have been specified with the requirements of Project Management Consultancy (PMC).</p> <p>As per our understanding PMC's scope of work (SOW) includes review design, engineering &amp; supervision up to mechanical completion and commissioning .Supervision of Performance guarantee tests conducted by LSTK falls under scope of PMC.</p> <p>Scope of work defined at Part 1, 2,3 &amp;4 of the SOW will be responsibility of PMC</p> <p>All the detailed drawings shall be provided by the EPC contractor based on Land survey, Soil strength, Local conditions etc. &amp; PMC will review and approve the same to get the best performance.</p> <p>The Solar Plant installations will be carried out by the successful EPC contractor, PMC is to supervise and vet the work carried out by EPC contractor.</p> <p>Therefore, PMC cannot guarantee the power (solar energy) but should be guaranteed by EPC Contractor.</p>	Tender term prevails
2	Annexure A Clause 2.0 (e) page no. 6 Of 10	The detailed O &M Manual will be prepared by EPC contractor and PMC will review and suggest if any changes / update are required	Accepted
3	The as built drawings will be prepared by EPC contractor and PMC will review and suggest if any changes / update are required		Accepted
4	Terms of Payment at Page 28	Mile stone payment for Sr Number a&b will be common .However payment from Sr Number (c) on wards are project specific. These Mile stones will achieved at different time for the projects Therefore these mile stone needs to be project specific. Therefore payment terms after (c) needs suitable amendment.	Tender payment terms prevails

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5	Land/ Rooftop available at each location and Present position of supply of electricity	Please inform us the approximate availability of land / Rooftop space at each location and also present supply details such as by Discom or DG set etc. If possible capacity of DG set and contract demand of Discom connection can be provided. Such details will help us to give competitive bids.	<u>Stations Available Area details</u> Mangalore 12800 Sq.Mtrs. Hassan 13000 Sq.Mtrs. Devangonhi 18900 Sq.Mtrs. SV and IP Stations(Each Station) 117 Sq. Mtrs <u>Stations DISCOM /DG CAPACITY</u> Mangalore 925 KVA availed from MRPL / NIL. Neriya Station:3600 KVA/250KVA Hassan 150 KVA /250KVA. Devangonhi 90KVA /250KVA. SV station - 15 KVA each and IP Station - 25KVA
6	Detail Scope of Work - Page 2 of 10 Performance Guarantee	To be on EPC Contractor's scope.PMC to provide design and engineering details based on the feasibility.	Tender term prevails
7	Detail Scope of Work - Page 2 of 10 Preparation of Works Contracts	To be on PMHBL's scope.PMC to provide draft of contract in line with the technical requirements. Commercial to be as per PMHBL's practices.	Please refer tender document page 3 of 10 detailed scope of work (Annexure-A) Post tendering, PMC should provide draft Purchase order to PMHBL for review,approval & release
8	Detail Scope of Work - Page 2 of 10 Standard Licensed Software and Standard Data like NASA , IMD etc.,	With the provision of design using PVSYST analysis ; NREL Analysis Report etc.,PVSyst and NREL reports are good enough in understanding ; evaluating and preparation of plan of Solar PV Power Plants	Accepted
9	Detail Scope of Work - Page 3 of 10 Study and obtain Carbon Credit and RECs	Study and obtain any facilities offered by Government , if available.To be explored and availed if in there	Tender terms prevails
10	Detail Scope of Work - Page 3 of 10 10 Years income tax holiday	Income Tax Holidays if available.To be explored and availed if in there	Tender terms prevails
11	Detail Scope of Work - Page 4 of 10 Provide necessary back-up / technical assistance for co-ordination with external agencies viz. insurance agencies etc.,	To provide technical assistance to EPC Contractor for co-ordination.Insurance activities to be part of EPC Contractor	Tender terms prevails
12	Detail Scope of Work - Page 6 of 10 Consultant shall prepared detailed operating manual	Consultant to review the operating manual prepared by EPC Contractor.Operating Manual to be provided by EPC Contractor	Accepted
13	Detail Scope of Work - Page 6 of 10 Consultant will update & finalise the GCC and SCC documents	Consultant to review and provide recommendations on GCC and SCC documents in line with PMHBL's directive.As per PMHBL's Tender norms	Accepted

**Note: Bidders are advised to submit signed & sealed this Pre bid queries & Reply document along with technical bid document as a token of your acceptance to the above clauses. Non submission of this document may lead to bid rejection**