

**AMENDMENT-1**

Dated: 12.08.2016

**Design, Supply, Installation, Commissioning, & Maintenance for 5 years of Grid connected Rooftop Solar PV power plant of tentative capacity of 508 kWp at President's Secretariat, Rashtrapati Bhawan, New Delhi – 110004**

**Ref no: RECPDCL/LT/RB/SOLAR/2016-17/1488 -- dated: 03.08.2016**

<b>Sl. No.</b>	<b>Pre Bid Meeting Discussed Point</b>	<b>Details/Description of Clause of tender Document</b>	<b>Proposed Amendments</b>
1	Aggregate installation in kW for minimum installation size of 500 kWp roof top project in a single location projects should be operating successfully for at least six months at the time of submission of bid. - <b>M/s Vikram Solar</b>	Aggregate installation in kW for minimum installation size of 500 kWp roof top project in a single location projects should be operating successfully for at least one year at the time of submission of bid. (Annexure-13, Sl. No.1 of Technical Evaluation).	No change.
2	O&M contract execution for 500 kWp solar rooftop project at single location for minimum 6 months operating period (or) O&M contract execution for 5 MWp/10 MWp solar project at single location for minimum 3 years operating period. - <b>M/s Vikram Solar</b>	O&M contract execution for 500 kWp solar rooftop project at single location for minimum 3 years operating period. (Annexure-13, Sl. No.5 of Technical Evaluation)	No change
3	Storage of PV plant: Bidder requests for storage space from Rashtrapati Bhawan - <b>M/s Tata Power Solar</b>	--	This will be provided as per project requirement.
4	There should not be any wiring work in bidder's scope. Bidder will inject the generated power at nearby injection point. Power evacuation and injection of power has to be defined - <b>M/s Tata Power Solar</b>	Wiring / Hardware cost of connecting Essential load (which use Solar generated power) as per end user's requirement is inclusive of contract value (Section-5, General Conditions of Tender, clause no: 29. Power Evacuation and injection is not defined.	The power will be evacuated at the nearest / feasible feeder / LT panel with the requirement of concerned authority (Rashtrapati Bhawan)
5	PBG fees should be of 1% of Work Oder value, not to be 10%. Accordingly PBG /CMC format	After successful installation of the awarded Solar Power plant, bidder must deposit Performance Bank Guarantee	No change.

	has to be revised. - <b>M/s Tata Power Solar</b>  Pl. release last 10% amount against PBG - <b>M/s Tech Mahindra (through mail)</b>	(PBG) fees @ 10% of the Work Order value to RECPDCL (Section 7, Clause no: 1.5)	
6	Payment has to be cleared after installation of Solar plant of each building, i.e., payment on basis of each building completed (pro-rata basis), should not be of entire 508kWp. - <b>M/s Tata Power Solar</b>	All payments are linked with entire awarded capacity (508 kWp) (Section 7, Clause no: 5 - Payment Terms)	No change.
7	SCADA requirement is to be elaborated, required parameters have to be specified. - <b>M/s Tata Power Solar</b>	--	SCADA required parameters - <u>Real time:</u> (1) Real time holistic flow diagram with indication of faulty areas in red colour if any breakdown of plant and correspondingly error grasping. (2) Current values at each input and out put of Combiner box. <u>Daily basis:</u> Power Generation, Radiation, Module Temperature, Ambient temperature, DC Power output, AC Power output, Efficiency, Plant CUF, Plant PR. <u>Monthly basis:</u> Avg values of Power Generation, Radiation, Module Temperature, Ambient temperature, DC Power output, AC Power output, Efficiency, Plant CUF, Plant PR, Error log descriptions.  Any other parameters found relevant, to be monitored on daily or monthly basis, those also have to be incorporated at SCADA.
8	Bidder requests that	Project completion based on	No change.

	commissioning certificate should be given once the power is evacuated with necessary inspections.- <b>M/s Tata Power Solar</b>	installation, commissioning, and handover of the entire plant and accordingly the disbursement of payments (Clause no:5 payment terms of Section 7).	
9	Advance Bank Guarantee amount should be of 100% of advance value, instead of 110% of advance value - <b>M/s Vikram Solar</b>	Mobilization advance of 10% of contract value will be released after submission of ABG for amount of 110% of advance value and..... (Section 7 Clause no.5 - Payment Terms Sl. No.1)	No change.
10	PV module placing should be as per building orientation.  Bidders will ensure for the capacity & generation to be guaranteed - <b>M/s Vikram Solar</b>	PV module placing - Facing towards south (Annexure 1- Technical specification of grid connected rooftop solar PV power plant)	PV module placing should be as per building orientation facing South direction.
11	JV/Consortium may be allowed for participating tender - <b>M/s CRI Pumps Pvt Ltd</b>	--	JV / Consortium is not allowed.
12	Bidder requests removal of clause as approvals may have impact on the timeline given in schedule Clause is - Preparation, submission, and approval of the Design Report to be executed after survey of each site, Power evacuation drawings and Bill of Material of the Project (mentioned in Technical Bid Annexure-5). Bidders shall start the work only after obtaining approval of design, BOM and make of equipments / material from RECPDCL.. - <b>M/s Tata Power Solar</b>	Preparation, submission, and approval of the Design Report to be executed after survey of each site, Power evacuation drawings and Bill of Material of the Project (mentioned in Technical Bid Annexure-5). Bidders shall start the work only after obtaining approval of design, BOM and make of equipments / material from RECPDCL (Detailed Scope Work, Section 4, Clause no:3)	No change.
13	Trimming of Trees To achieve the desired capacity with desired performance parameters, tree trimming shall be required. Bidder requests that trimming along with permission shall be in the scope of RECPDCL / Rashtrapati Bhawan - <b>M/s Tata Power Solar</b>	--	Permission for trimming of trees will be given by Reshtrapati bhawan concerned. However, cost for trimming of trees is inclusive of contract value and should be borne by the bidder from starting of project till the end of CMC period (5 years).

14	No price escalation is applicable on account of any statutory payments increase or fresh imposition of custom duty, excise duty, sales tax or duty leviable in respect of the major components in the said acceptance of the tender. Any tax change should be borne by RECPDCL - <b>M/s Tata Power Solar</b>	(a) The price will be inclusive of packing, forwarding, loading & unloading charges, cost of insurance, transportation for delivery at destination and training to users, technical personnel and field functionaries of RECPDCL, and all taxes and duties of Central & State Governments (Section 7, clause no: 1.1) (b) If any increase in Service tax percentage, accordingly the revised service tax is applicable (Section 6 Evaluation of Bids).	All duties & taxes as amended from time to time will be payable to bidder as and when Invoices will be raised till the work order is valid.
15	Bidder requests that penalty due to Liquidated damages should be capped at 10% - <b>M/s Tata Power Solar</b>  Should be 0.5% weekly up to max 0.5% - <b>M/s Tech Mahindra (through mail)</b>	Once the maximum is reached (i.e., 10 weeks of delay) the Work Order would be cancelled and the bank guarantee deposit would be forfeited (Section 7, clause no: 1.12)	No change
16	SIGNING OF CONTRACT AGREEMENT There is no contract document. Bidder understands that no new clause shall be covered in the contract - - <b>M/s Tata Power Solar</b>	Selected firm will also execute/sign Contract Agreement with RECPDCL on India Non Judicial Stamp paper with validity from starting date of Work Order scope activities till end of CMC period (5 years) - (Section 7, Clause no:6)	Contract agreement copy will be issued to successful bidder for execution. This contains conditions of tender and Letter of Award (LOA).
17	Internet connectivity shall be in the scope of Rashtrapati Bhawan - <b>M/s Tata Power Solar</b>	One of the Scope of CMC - Internet connectivity, configuration (Remote connectivity HW) (Section 7, Clause no:7 CMC)	Rashtrapati bhawan concerned will confirm the requirement of Internet connectivity in later stages if required. Internet connectivity is in Bidder's scope.
18	Bidder will submit the application with all the relevant details to the Discom. As energy meter is part of Net metering process, bidder should not be made liable for the delay in the process.	Installation of Energy Meter at Project site (President's Secretariat, Rashtrapati Bhawan) shall be in the scope of bidder to measure the delivered quantum of energy as per DERC Net Metering Guidelines	No change.  Bidder needs to facilitate Net Meter installation by: i) Providing compliance to technical specifications as per DERC Net Metering

	<p>Commissioning should be considered once the bidder's role is achieved - <b>M/s Tata Power Solar</b></p> <p>Pl. specify the scope of procuring Net metering equipment - <b>M/s Thermax (through mail)</b></p>	(Annexure-1, Energy Meter)	<p>Guidelines</p> <p>ii) Providing necessary documentation in regard to above</p> <p>iii) facilitating connection of solar meters by Discom at Project sites etc.</p>
19	<p>Construction time: 3 months</p> <p>Please provide clarity whether its construction time only or complete project execution time; in case of complete project execution time pls extend it to at least 5 months from date of receiving confirmed PO/LOI and advance - <b>M/s Tech Mahindra (through mail)</b></p>	Construction time: 3 months	<p>Time for Design, Supply, Installation, Commissioning, &amp; Maintenance for 5 years of Grid connected Rooftop Solar PV power plant of tentative capacity of 508 kWp at President's Secretariat, Rashtrapati Bhawan, New Delhi is 3 months. No Change.</p>
20	<p>MNRE subsidy: Documentation support will be provided by bidder however subsidy will be credited and processed in clients account only - <b>M/s Tech Mahindra (through mail)</b></p>	<p>As per MNRE guidelines, MNRE Subsidy, if made available, will be credited to RECPDCL. Bidders/turnkey contractors cannot avail the benefit of the same.</p>	<p>No change. Bidder will submit application at MNRE office on behalf of RECPDCL.</p>
21	<p>Custom Duty &amp; Excise Duty: Bidders can avail Custom Duty and Excise Duty Exemption for this 508 kWp tentative capacity Solar Project. Following documents will be required for CD and ED benefits; pls check and confirm that REC will arrange the same.... - <b>M/s Tech Mahindra (through mail)</b></p>	<p>Bidders can avail Custom Duty and Excise Duty Exemption for this 508 kWp tentative capacity Solar Project.</p>	<p>No change. Bidder will arrange all the needed documents for Custom Duty &amp; Excise Duty to avail the same.</p>
22	<p>Please consider PR guarantee only for PAT as PR is more significant unit to measure SPV PP performance - <b>M/s Tech Mahindra (through mail)</b>.</p> <p>We have our wholly owned manufacturing line for solar modules and match every specification for Solar PV</p>	<p>PAT tests on both PR and CUF at Half yearly basis till completion of CMC period (5 years).</p>	<p>PAT tests will be conducted on Performance Ratio (PR) of the plant at Half yearly basis till completion of CMC period (5 years).</p>

	Module. Please Include HHV Solar Make as a approved make of Solar PV Modules - <b>M/s Swelect (through mail)</b>		
23	Considering small capacity of proposed solar PV plants and 5 years CMC, pls increase the ceiling price to approx 25% - <b>M/s Tech Mahindra (through mail).</b>	The ceiling price for conducting e-Reverse Auction for carrying out Design, Supply, Installation, Commissioning,& Maintenance for 5 years of Grid connected Rooftop Solar PV power plant of tentative capacity of 508 kWp at President's Secretariat, Rashtrapati Bhawan, New Delhi is fixed at the rate of "Rs 73.90 / Wp". This is inclusive of all taxes and duties.	No change.
24	All Agencies who are MNRE channel partners with MNRE A rating and Agency SP rating 1A are to be qualified. No Technical evaluation criteria is required - <b>M/s Renew Power (through mail)</b>	Only MNRE Channel Partners with rating 1A are eligible for participation. (Annexure-13)	No change
25	Module Mounting Structure: Can give up to 160kmph with dead load 60kg/m2 - <b>M/s Tech Mahindra (through mail)</b>	Structure should withstand 200kmph; dead load: avg 60kg/m2	Bidder has to comply with IS-875-Part-III (latest version) for wind load on structure as mentioned in tender.
26	Performance Acceptance Tests: Please specify the period (in number of years) for which PAT is conducted on half yearly basis - <b>M/s Thermax Ltd (through mail)</b>  Frequency of PAT tests - <b>M/s Swelect (through mail)</b>	PAT tests will be conducted on Half-Yearly basis	PAT tests (on Performance Ratio PR only) will be conducted on Half-Yearly basis till completion of CMC period (5 years). Thereafter these tests will be conducted further as per User / RECPDCL's requirement.
27	We have our wholly owned manufacturing line for solar modules and match every specification for Solar PV Module. Please Include HHV Solar Make as a approved make of Solar PV Modules - <b>M/s Swelect (through mail)</b>	Some of the preferred Make of Solar Equipment / Components are as specified below: Solar PV Crystalline Modules: Vikram Solar / Moser Baer / Tata Power Solar / Waaree or any higher quality	The name of Manufacturer are only indicative in nature. Solar PV module of other manufacturer will also be accepted subject to the meeting technical standards and Quality.