

Amendment - II

NIT No: SECI/C&P/MNRE/1000MW RT/IND/122016

IMPLEMENTATION OF 1000MW GRID CONNECTED ROOF TOP SOLAR PV SYSTEM SCHEME FOR GOVERNMENT BUILDINGS IN DIFFERENT STATES / UNION TERRITORY OF INDIA UNDER CAPEX / RESCO MODEL

Reference of Original Bidding Document					
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1	IFB	6	15.2	<p>SCOPE OF WORK :</p> <p>Site Survey, Design, Engineering, Manufacture, Supply, Storage, Civil work, Erection, Testing & Commissioning of the grid connected rooftop Solar PV Project including Operation and Maintenance (O & M) of the project for a period of 5 years for PART-A and for a period of 25 years for PART-B after commissioning of project.</p>	<p>SCOPE OF WORK :</p> <p>The Scope of the Work would essentially cover, but not limited to Site Survey of Identified Roof Tops / Identification of New Roof Tops, Site Visit, Solar Potential Assessment, Finalisation of Feasibility Report for Identified Locations, Design, Engineering, Manufacture, Supply, Storage, Civil work, Erection, Testing, Commissioning, Submission of Project Proposals and PCRs in SPIN Portal, ensuring net metering as per the state/UT policies, quality control of the grid connected rooftop Solar PV Project including Operation and Maintenance (O & M) of the project for a period of 5 years under PART-A and for a period of 25 years under PART-B after commissioning of project. Any additional modification work of the roof tops in order to implement the system/project shall be in the scope of successful bidder/developer.</p> <p>In addition to the identified roof top proposals from SECI side, bidder(s) may also come up with their suitable/feasible potential roof top proposals for Government Buildings under different Ministries.</p> <p>This revised scope of work shall supersede all other existing scope of works mentioned in the original RfS documents.</p>

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2	ITB	30	3.14.4	Additional Clause	<p>Following additional clause shall be read in conjunction with the clauses mentioned in the RfS documents: -</p> <p>d. The successful bidder/developer has to successfully demonstrate the performance parameters as mentioned in clause no. 8 of GCC including subsequent Amendment-II related to PR and CUF. In case of non achievement of minimum CUF of 15% for General Category States and 13.5% for Special Category States for a period of 5 years, then the entire PBG shall be forfeited. PBG forfeiture will not be on pro-rata/partial basis and the entire PBG will be forfeited in such situation.</p>
3	Evaluation Criteria & Incentive Disbursement	39	3.4	If after 15 months, the successful bidder could not execute the rooftop(s) capacity up to the allocated capacity and submit Project sanction documents, in such case PBG for unexecuted allocated capacity shall be forfeited and the allocated capacity gets cancelled and bidder including its Affiliates / Group Companies / Parent / Ultimate Parent Company may be debarred to participate in SECI's future tenders for a period as decided by the competent authority of SECI.	If within 15 months, the successful bidder could not submit Project sanction documents for full/part allocated capacities, in such case PBG for capacities for which sanction documents have not been submitted, shall be forfeited and the said capacity gets cancelled and bidder including its Affiliates / Group Companies / Parent / Ultimate Parent Company may be debarred to participate in SECI's future tenders for a period as decided by the competent authority of SECI.

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4	Evaluation Criteria & Incentive Disbursement	40	4.2	Additional Clause	<p>Following additional clause shall be read in conjunction with the clauses mentioned in the RfS documents: -</p> <p>iii) The First Lot of the applicable incentive amount (2/3 of the amount) shall be released against successful demonstration of the desired PR of 75% against commissioning. Similarly Second Lot of the applicable incentive amount (1/3 of the amount) shall be released against successful demonstration of the desired CUF of 15% for General Category States and 13.5% for Special Category States against completion of first year of successful O & M.</p> <p>Incase of non-achievement of above mentioned 02 different milestones (first at commissioning and second at first year of O & M), no incentive shall be disbursed. However, SECI may extend an option to bidder(s) for redemonstration of performance parameters after due rectification at its sole discretion.</p>
5	Evaluation Criteria & Incentive Disbursement	41	5.3	<p>TAX EXEMPTIONS :</p> <p>Price bids are invited inclusive of Taxes and duties. However, Tax exemptions including certificates of any sort, if available may be dealt with the concerned Department of Govt of India by the bidder. SECI in no case will be responsible for providing any tax exemptions to the bidder.</p>	<p>TAX EXEMPTIONS :</p> <p>Price bids are invited inclusive of all Taxes and duties. Tax exemptions including certificates of any sort, if applicable may be dealt with the concerned Department of Govt of India by the bidder directly. SECI in no case will be responsible for providing any tax exemptions to the bidder. However, SECI shall provide necessary support in facilitating the same.</p>

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6	Evaluation Criteria & Incentive Disbursement	42	8	Additional Clause	<p>COMMISSIONING/COMPLETION CERTIFICATE :</p> <p>Following additional clause shall be read in conjunction with the clauses mentioned in the RfS documents: -</p> <p>Under Part-B (RESCO Model), upon successful completion of entire contractual obligations and upon issuance of final completion certificate</p> <p>(i) The contract can be extended for further period based on mutually agreed terms and conditions between successful bidder/developer and roof top owner/customer. The action may be taken before 03 months from completion of project life cycle (i.e. 25 years from the date of final commissioning).</p> <p style="text-align: center;">OR</p> <p>(ii) A Salvage Value of 10% may be paid to successful bidder/developer by the roof top owner/customer based on mutual agreement of payment terms between successful bidder/developer and roof top owner/customer.</p> <p style="text-align: center;">OR</p> <p>(iii) The successful bidder/developer may be allowed to take back the system and make the roof neat and clean including damage free.</p>

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7	GCC	47	3.1	<p>INSURANCE :</p> <p>The Bidder shall be responsible and take an Insurance Policy for transit-cum-storage-cum-erection for all the materials to cover all risks and liabilities for supply of materials on site basis, storage of materials at site, erection, testing and commissioning. The bidder shall also take appropriate insurance during O&M period, if required.</p>	<p>INSURANCE :</p> <p>The Bidder shall be responsible and take an Insurance Policy for transit-cum-storage-cum-erection for all the materials to cover all risks and liabilities for supply of materials on site basis, storage of materials at site, erection, testing and commissioning. The bidder shall also take appropriate insurance including watch and ward during O&M period.</p>
8	GCC	49	8	<p>PLANT PERFORMANCE EVALUATION :</p> <p>The successful bidder shall be required to meet minimum guaranteed generation with Performance Ratio (PR) at the time of commissioning and related Capacity Utilization Factor (CUF) as per the GHI levels of the location during the O&M period. PR should be shown minimum of 75% at the time of inspection for initial commissioning acceptance to qualify for release of applicable incentive. Minimum CUF of 15% should be maintained for a period of 5 years for fulfilling one of the condition for release of PBG. The bidder should send the periodic plant output details to SECI for ensuring the CUF. The PR will be measured at Inverter output level during peak radiation conditions.</p>	<p>PLANT PERFORMANCE EVALUATION :</p> <p>The successful bidder shall be required to meet minimum guaranteed generation with Performance Ratio (PR) at the time of commissioning and related Capacity Utilization Factor (CUF) as per the GHI levels of the location during the O&M period. PR should be shown minimum of 75% at the time of inspection for initial commissioning acceptance to qualify for release of applicable incentive. Minimum CUF of 15% for General Category States and 13.5% for Special Category States should be maintained for a period of 5 years for fulfilling one of the condition for release of PBG. The bidder should send the periodic plant output details to SECI for ensuring the CUF. The PR will be measured at Inverter output level during peak radiation conditions.</p>
9	GCC	50	9	Modification of Statetement	<p>PROJECT INSPECTION :</p> <p>The statement "The cost of Inspection shall be borne by Vendor only" is being modified as detailed below: -</p> <p>The cost of Inspection to be carried out by SECI shall be borne by SECI. The cost of re-inspection, if any shall be borne by Vendor.</p>

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10	GCC	51	10	<p>CANCELLATION OF INCENTIVE :</p> <p>SECI will not release the Incentive for any shortcomings in commissioning as per technical specifications mentioned or for performance ratio (PR) below the specified limit (75%) after commissioning. Also PBG shall be forfeited in case Average CUF falls below 15% during entire O&M period of 5 years for General Category states and 13.5% for special category states.</p>	<p>CANCELLATION OF INCENTIVE :</p> <p>Incase of any shortcomings in commissioning as per technical specifications mentioned or non-achievement of 02 different milestones related to Performance Parameters (first at commissioning and second at first year of O & M), no incentive shall be disbursed. The Performance Parameters shall be demonstrated for the values mentioned under clause no. 8 of GCC including Amendment-II thereof.</p> <p>However, SECI may extend an option to bidder(s) for redemonstration of Performance Parameters after due rectification at its sole discretion.</p> <p>If the successful bidder/developer fails to demonstrate the required Performance Parameters after due rectification as well, the entire incentive shall be cancelled.</p>
11	SCC	57	1.14	<p>“Capacity Utilization Factor” (CUF) means the ratio of the actual output from a solar plant over the year (kWh) to the maximum possible output from it for a year (kWh) under ideal conditions.</p> <p>CUF = Actual Plant Output in kWh over the year / (Installed Plant Capacity in kW x 365 x 24)</p> <p>Monthly CUF: Monthly Plant output in kWh / (installed plant capacity in kW x number of days in a month x 24)</p>	<p>“Capacity Utilization Factor” (CUF) means the ratio of the actual output from a solar plant over the year (kWh) to the maximum possible output from it for a year (kWh) under ideal conditions.</p> <p>CUF = Actual Plant Output in kWh over the year / (Installed Plant Capacity in kW* x 365 x 24)</p> <p>Monthly CUF: Monthly Plant output in kWh / (Installed Plant Capacity in kW* x number of days in a month x 24)</p> <p>* Installed Capacity for Calculation of CUF at the end of any year shall be taken considering degradation of 1% per annum.</p>

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12	Annexure-V (Model EPC Agreement)	Schedule - 2 (Payment Terms)		<p>TERMS :</p> <ul style="list-style-type: none"> • ___% advance payment on signing of agreement & submission of Proforma Invoice • ___on Pro-rata basis upon submission of running bills/invoices for various services • ___ upon completion of installation & commissioning • ___on final acceptance <p>TAXES : The pricing given is inclusive of all taxes</p>	<p>TERMS :</p> <ul style="list-style-type: none"> • 80% of the Total Project Cost (excluding incentive) on Pro-rata basis upon submission of running bills/invoices for various services and delivery at site. • 10% of the Total Project Cost (excluding incentive) upon completion of installation & commissioning and demonstration of required Performance Parameters. • 10% of the Total Project Cost (excluding incentive) upon completion of first year of O & M and demonstration of required Performance Parameters. <p>The payment shall be released by the roof top owner/customer directly whereas the applicable incentive shall be released by SECI directly to successful bidder/developer.</p> <p>TAXES : The pricing given is inclusive of all taxes</p> <p>The Terms of Payment indicated above are generic only and subject to change. Final Payment Terms shall be discussed and decided mutually between the roof top owner/customer and successful bidder/developer at the time of signing of EPC Agreement.</p>