

**Addendum-1**

Name of Work	Design, Engineering, Manufacture, Supply, Storage, Civil work, Erection, Testing & Commissioning of the Rooftop and Boundary Walls mounted Solar PV projects under RESCO Model including Operation and Comprehensive Maintenance (O&M) of 5.0 MWp Solar PV project for a period of 25 years after commissioning of 10 Nos. of Elevated Stations and 2 Nos. of Depots for Pune Metro Rail Project.		
Tender No.	P1EG-02/2020		
Pre-bid Query No.	Section ref.	Clause No.	Existing Description
1	Section-V	38.2	<b>TECHNICAL PARAMETER OF PV MODULE AND VARIOUS OTHER COMPONENTS FOR USE IN GRID CONNECTED SOLAR POWER PLANTS:</b> All components of the PV plant shall be in accordance with technical specifications given in relevant IS/ IEC Standards. The design and commissioning also shall be as per latest IS/ IEC standards. The following are some of the technical measures required to ensure quality of the major components used in grid connected solar power Projects. Under this RFS, use of both Solar Photo voltaic (SPV) cells and Modules manufactured domestically as per specifications and testing requirement fixed by MNRE are mandatory for installation of awarded Solar PV power Plant.
			<b>TECHNICAL PARAMETER OF PV MODULE AND VARIOUS OTHER COMPONENTS FOR USE IN GRID CONNECTED SOLAR POWER PLANTS:</b> All components of the PV plant shall be in accordance with technical specifications given in relevant IS/ IEC Standards. The design and commissioning also shall be as per latest IS/ IEC standards. The following are some of the technical measures required to ensure quality of the major components used in grid connected solar power Projects. <b>"Under this RFS, use of both Solar Photo voltaic (SPV) Modules and inverters manufactured domestically as per specifications and testing requirement fixed by MNRE are mandatory for installation of awarded Solar PV power Plant. Bidder to refer MNRE order F. No. 283/22/2019-GRID SOLAR in tender document.</b>
3	Section-V	26 (vii)	<b>Cables:</b> For the AC cabling, PVC or, XLPE insulated and PVC sheathed single or, multi-core multistranded flexible copper cables shall be used; Outdoor AC cables shall have a UV stabilized outer sheath.
			<b>Cables:</b> For the AC cabling, FRLSZH, XLPE insulated and PVC sheathed single or, multi-core multistranded flexible copper cables shall be used; Outdoor AC cables shall have a UV stabilized outer sheath.
10, 66	Section-VII, PPA	8.3 (j)	Water – Power Producer will be responsible for arranging water as per the requirements of the Power Producer, for periodic cleaning of the solar panels. Power Purchaser may provide Raw Water as per availability.
			Water – Power Producer will be responsible for arranging water as per the requirements of the Power Producer, for periodic cleaning of the solar panels. Power Purchaser may provide Raw Water as per availability on chargeable basis.
15	Section-IX	(b)	Section-IX b) Access Dates:
			Bidder to refer Annexure-2 under Addendum-1 for revised clause (b) of Section-IX.
2,16,35,44	Section V	27 (a,b)	–
			Bidder to refer Annexure-1 under Addendum-1
28,71,91	Section-II	3.17.1	Within 30 days from the date of issue of Letter of Acceptance, Successful Bidder shall furnish the Performance Security amounting to <b>Rs. 1.79 Cr</b> only in the form of unconditional and irrevocable Bank Guarantee in the prescribed format issued by a Scheduled Commercial Bank based in India including scheduled Commercial Foreign Banks having business branch/office in India.
			Within 30 days from the date of issue of Letter of Acceptance, Successful Bidder shall furnish the Performance Security amounting to <b>Rs. 54 Lakhs</b> only in the form of unconditional and irrevocable Bank Guarantee in the prescribed format issued by a Scheduled Commercial Bank based in India including scheduled Commercial Foreign Banks having business branch/office in India.
	Section-II	3.17.8	The Performance Bank Guarantee (PBG) initially shall be valid for a minimum period of 10 Years from the date of issue of Letter of Acceptance (LOA) for an amount of Rs. 1.79 Cr and thereafter, PBG amount shall be reduced to Rs. 89.33 Lakhs till PPA is in force (renewable every five years).
			The Performance Bank Guarantee (PBG) initially shall be valid for a minimum period of 10 Years from the date of issue of Letter of Acceptance (LOA) for an amount of <b>Rs. 54 Lakhs</b> and thereafter, PBG amount shall be reduced to <b>Rs. 27 Lakhs</b> till PPA is in force (renewable every five years).
	Annexure-II-A, Bid Data Sheet	3.15.1	Performance Bank Guarantee = <b>Rs. 1.79 Cr.</b> Please refer clause 3.17 of this RFS.....
			Performance Bank Guarantee = <b>Rs. 54 Lakhs</b> , Please refer clause 3.17 of this RFS.....
54, 74			–
			Bidder to refer Annexure-4 under Addendum-1
62	Section-II	3.4.3 (c)	<b>Bid Capacity:</b> The available Bid Capacity of the Bidder should not be less than Rs. 16.0 Crores. Available Bid Capacity= 2 x A x N – B where A = Maximum of the value of similar works executed in any one year during the last five financial years reckoned up to 31st March 2020 (updated to the base date price level assuming 5% inflation per year compounded annually for Indian Project and 2% for foreign project. N = Number of years prescribed for completion of the present work i.e. <b>1.0 Years</b> . B = Value [at price level as on the twenty-eight (28) days prior to 'date for Bid submission' (refer Bid Data Sheet)] of existing commitments and on-going works to be completed during next <b>52 weeks</b> starting from the twenty-eight (28) days prior to date of Bid submission.  In case of JV, the algebraic sum of Bid Capacity of all the members of JV shall be considered as per the latest audited balance sheets and in proportion to the share of proposed JV of each member. Let the Bid Capacity of Member-1 is 'A' and that of Member-2 is 'B', and the percentage participation of both member is M% & N% respectively, in JV of proportion of then the Bid Capacity of JV will be = (AxM%)+(BxN%) Note :- 1. In both the above cases the available bid capacity should be more than Rs. 16.0 Crores. 2. A certificate issued from a statutory auditor certifying A and B value must be enclosed with the Technical bid for each member of JV/Consortium or the Single Bidder.
			<b>Bid Capacity:</b> The available Bid Capacity of the Bidder should not be less than Rs. 16.0 Crores. Available Bid Capacity= 2 x A x N – B where A = Maximum of the value of similar works executed in any one year during the last five financial years reckoned up to 31st March 2020 (updated to the base date price level assuming 5% inflation per year compounded annually for Indian Project and 2% for foreign project. N = Number of years prescribed for completion of the present work i.e. <b>1.5 Years</b> . B = Value [at price level as on the twenty-eight (28) days prior to 'date for Bid submission' (refer Bid Data Sheet)] of existing commitments and on-going works to be completed during next <b>1.5 years</b> weeks starting from the twenty-eight (28) days prior to date of Bid submission.  In case of JV, the algebraic sum of Bid Capacity of all the members of JV shall be considered as per the latest audited balance sheets and in proportion to the share of proposed JV of each member. Let the Bid Capacity of Member-1 is 'A' and that of Member-2 is 'B', and the percentage participation of both member is M% & N% respectively, in JV of proportion of then the Bid Capacity of JV will be = (AxM%)+(BxN%) Note :- 1. In both the above cases the available bid capacity should be more than Rs. 16.0 Crores. 2. A certificate issued from a statutory auditor certifying A and B value must be enclosed with the Technical bid for each member of JV/Consortium or the Single Bidder.
25	Section-II	3.16	EMD/ Bid Security
			Bidder to refer Annexure 6 ( Office Memorandum No. F.9/4/2020-PPD dated 12th November 2020)
<b>Additional Clarifications:</b>			
1	NIT	Completion Period	(a) Execution/ Erection Period:- <b>52 Weeks (Fifty Two) Weeks</b> (including Monsoon Period) from the date of issue of LOA
			(a) Execution/ Erection Period:- <b>1.5 years</b> (including Monsoon Period) from the date of issue of LOA
2	Section-II	3.4.3	<b>Turnover:</b> The Bidder should have an Average Annual Turnover as indicated below:- (i) The Average Annual Turnover in last 5 financial years should not be less than <b>Rs. 36.0 Crores Only (Rs. Thirty Six Crores only)</b> . (ii) In Case of JV/CONSORTIUM – the average annual turnover shall be reckoned as algebraic sum of the turnover of each member of JV/Consortium, out of which the Lead member should have the average annual turnover of amount not less <b>Rs. 18.0 Crores</b> in last five financial years.
			<b>Turnover:</b> The Bidder should have an Average Annual Turnover as indicated below:- (i) The Average Annual Turnover in last 5 financial years should not be less than <b>Rs. 24.0 Crores Only (Rs. Twenty Four Crores only)</b> . (ii) In Case of JV/CONSORTIUM – the average annual turnover shall be reckoned as algebraic sum of the turnover of each member of JV/Consortium, out of which the Lead member should have the average annual turnover of amount not less <b>Rs. 12.0 Crores</b> in last five financial years.
3	Section-IV	8.1	<b>LIQUIDATED DAMAGES (LD) FOR DELAY IN PROJECT IMPLEMENTATION:</b> MAHA-METRO will issue the sanction letter(s) for the Project (s) indicating the subsidy/incentive amount(s) which will be disbursed in line with the provisions of the RFS document. The Bidder shall complete the design, engineering, manufacture, supply, storage, civil work, erection, testing & commissioning of the project within <b>52 weeks</b> from the date of issue of sanction letter. If the bidder fails to commission the sanctioned project within specified time, Liquidated Damages (LD) on per day basis calculated for the Performance Security on a 3 month period would be levied. After 3 months the contract will get cancelled and the total PBG amount would be forfeited. Ex: (The max timeline for COD with LD clause is 12+3 months) If project is delayed by 36 days then the Liquidated Damages (LD) will be levied as given below. Liquidated Damages (LD) = [(Performance Security)/364 days] *delayed days. Note: Here the 364 days period shall be reckoned as per 12.1 above
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4	Section-IV	9.1	<b>TIME OF COMPLETION OF SANCTIONED CAPACITY:</b> MAHA-METRO will issue the sanction letter(s) for the Project (s) in line with the provisions of the RFS document. The Bidder shall complete the design, engineering, manufacture, supply, storage, civil work, erection, testing & commissioning of sanctioned project(s) <b>52 Weeks</b> from the date of issue of LOA/Sanction Letter or availability of site whichever is later. In case of delay beyond scheduled commissioning period, the bidder shall be liable for Liquidated Damages (LD) as per Clause 12.
			<b>TIME OF COMPLETION OF SANCTIONED CAPACITY:</b> MAHA-METRO will issue the sanction letter(s) for the Project (s) in line with the provisions of the RFS document. The Bidder shall complete the design, engineering, manufacture, supply, storage, civil work, erection, testing & commissioning of sanctioned project(s) <b>1.5 Years</b> from the date of issue of LOA/Sanction Letter or availability of site whichever is later. In case of delay beyond scheduled commissioning period, the bidder shall be liable for Liquidated Damages (LD) as per Clause 12.
5	Section-VI	BIDDING & CONTRACT FORMAT	Format – D Bid Capacity Bid Capacity Calculation of Single Entity or Members of Consortium/JV.....
			Revised Format-D attached as <b>Annexure-5</b>
6	Section-V	38.5	–
			Bidder to refer Annexure-3 under Addendum-1 for conceptual mounting arrangement of module on station roof.