

PREMISES & ESTATE SECTION
CANARA BANK, 2ND FLOOR, B WING,
BKC, CIRCLE OFFICE, BANDRA (E), MUMBAI
PH. NO.- 022-26728463/8465; email-emcomcity@canarabank.com

Date: 29.06.2022

Minutes of the pre-bid meeting held on 22.06.2022 Tender for SUPPLY, INSTALLATION AND COMMISSIONING OF VARIOUS CAPACITIES ON-GRID SOLAR ROOFTOP POWER SYSTEM (CAPEX) AT BANK'S PROPERTIES (RESIDENTIAL/OFFICE) AT 10 NO. VARIOUS LOCATIONS UNDER CIRCLE OFFICE MUMBAI. TENDER REF 04/MCPE/2022

Members present from Bank:

1. SRI. KAUSHALENDRA KUMAR -Assistant General Manager , Premises & Estate Section.
2. SRI RITESH KUMAR - Sr. Manager, Premises & Estate Section.
3. SRI. NITIN KUMAR GOSWAMI -Sr. Manager, Premises & Estate Section.
4. SRI VINAYAK KUMAR- TFO, Premises & Estate Section.
5. SRI. SANJOG S AVHAD - OFFICER, Premises & Estate Section.

Bidder's representatives present from:

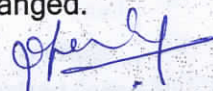
1. M/S Power Equipment Company.
2. M/S Minus CO2 Pvt. Ltd.
3. M/S Solar Inertia Pvt. Ltd.
4. M/s Techser Solutions Pvt.Ltd.

The clarifications for the queries raised by the bidders and Corrigendum to certain clauses in the tender are enclosed herewith.

This Corrigendum shall form a part of and shall be read with tender/ contract documents and shall become part of the contract and shall be signed on every page and shall be enclosed with the bid.

In case of any discrepancy between this Corrigendum and other tender/ contract documents, the former shall prevail.

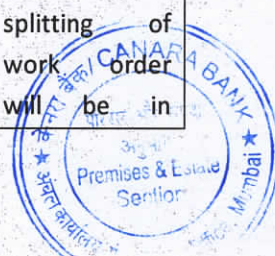
All the tender terms and conditions other than those modified in this Corrigendum remain unchanged.


D. SREENIVASULU
DIVISIONAL MANAGER

**CLARIFICATIONS FOR THE QUERIES AND CORRIGENDUM TO TENDER DOCUMENT:
TENDER REF: 04/MCPE/2022 SUPPLY, INSTALLATION AND COMMISSIONING OF VARIOUS
CAPACITIES ON-GRID SOLAR ROOFTOP POWER SYSTEM (CAPEX) AT BANK'S
PROPERTIES (RESIDENTIAL/OFFICE) AT 10 NO. VARIOUS LOCATIONS UNDER CIRCLE
OFFICE MUMBAI.**

1 M/s Power Equipment.

Sr. No.	Page No.	Tender Clause No.	Tender Clause	Queries (raised by agency) in brief	Bank's reply to queries	Amendments in the tender, BOQ
1	7	2.8	Declaration in Letterhead that all items used shall be as permitted under "Approved list of Makes and Materials" issued by Ministry of New and Renewable Energy vide latest notification.	Request authority to bring more clarity on this. We request bank to provide its own Approves list of Makes and Materials for parity of prices,	Latest MNRE guidelines at the time of award of work to be complied with and a declaration for the same to be obtained.	No amendments in the tender/BOQ.
2	11	Period of completion (6 th Point)	60days from the date of issue of work order (including mobilization period)	<p>We believe that 60 days for 10 sites are very tight timeline and very difficult to complete the work within given time frame. We suggest minimum 6 months should be given to complete the work. July, August and September would be rainy months in Mumbai. Considering the same, it is difficult to complete the work. {lease refer similar tender done by RBI and given timeline of 16 weeks for 5 sites.</p> <p>https://rbi.org.in/SCRIPTS/BS_ViewTenders.aspx?Id=5739</p>	<p><u>90</u> days for work completion.</p> <p>Bank may go for splitting for the order between L1 and L2. The decision of the Bank regarding this shall be final.</p>	<p>90 days from the date of issue of work order (including mobilization period).</p> <p>- Bank may go for splitting for the order between L1 and L2. The decision of the Bank regarding this shall be final.</p> <p>-The Bank reserves its right for splitting the quantities between two bidders. The splitting of work order will be in</p>



						60:40 ratios in case of splitting of order between two bidders; provided L-2, agrees to rates quoted by L-1 bidder and agree for all terms and conditions. In case L-2 bidder is not willing to match L-1 rates, the entire work order may be awarded to L-1. The decision of BANK will be final in this regard.
3	12	8	The rates quoted by the Contractors shall inclusive of obtaining No Objection Certificates (NOC) and other liaison works with all concerned Non- statutory and statutory agencies like M/s MSEB, TATA Power, Adani Power etc.	Hope Sanction load of all the meters are either equal to more than solar power plant capacity, In case of less KW of sanction load. The Bank needs to increase the load (may be meter merging is also required). Please clarify the responsibility of said work.	--	No amendments in the tender/BOQ
4	67	Technical Specification	In case of grid failure, the standby inverter shall create a captive grid and SPV power keeps feeding to this captive grid.	This is not possible because of anti islanding protection in the inverter.	--	This clause is deleted. Hence, Not Applicable.



5	74	8	Data monitoring system logs irradiance (solar insolation) and ambient temperature. Necessary sensors required for the same shall be provided by the Contractor and sensor outputs interfaced to the Solar monitoring system.	Are sensors required separate for each site? Or only one site with sensors are enough?	All sites to be provided with sensors for data monitoring system	No amendments in the tender/BOQ.
6	77	12.2	There shall be the required number of suitable lightning arrestors (ESE) installed in the array area.	ESE Type LA rate is approx. Ts 40K to 45K. Do you want to install ESE Type LA at all the [lacs or conventional type LA is fine.	As per RFP - ESE Type	No amendments in the tender/BOQ
7	80	20	The Inverter / Power conditioning unit converts DC energy produced by solar array to 3 phase AC power. The AC power output of the inverter shall be fed to the AC Distribution Box (metering panel & isolation panel) which also houses energy meter.	Adani/Tata/BEST DISCOM does not require to house solar/ generation meter in LT Panel. They have regulation to install/solar meter and net meter in one frame only i.e. either side by side or up and down.	As per DISCOM regulations	No amendments in the tender/BOQ
8	80	21	In case of grid failure, or low or high voltage, solar PV system shall be out of synchronization and shall be disconnected from the grid. Once the DG set comes into service PV system shall again be synchronized with DG supply and load requirement would be met to the extent of availability of power.	Synchronization with DG Plant is not allowed by DISCOM.	As per DISCOM regulations - clause may be deleted	This clause is deleted. Hence, Not Applicable.

2 Minus CO2 Pvt Ltd.

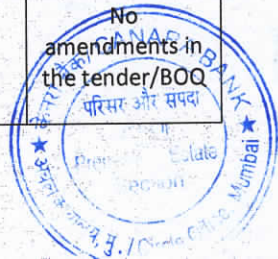
Sr. No.	Page No.	Tender Clause No.	Tender Clause	Queries (raised by agency) in brief	Bank's reply to queries	Amendments in the tender, BOQ
1.	15	25.4	Being a techno - economical project, besides the capital cost, the present value of Comprehensive AMC charges for 4 years after completion	We need to understand the AMC calculation in Price Bid.	As Per RFP.	No amendments in the tender/BOQ



			of defect liability period will also be evaluated. The present value of the AMC component per year will be calculated as per the following formula: $\text{Present Value} = c / (1+r)^n$			
2	5	1 st point	Bidder should be MNRE / SECI registered vendor having valid registration and office in the state of Maharashtra having minimum five years' experience as on 31 March 2022 in SITC of grid connected (net metering) rooftop solar panels or other type of solar power projects in Government/Semi Government / PSUs / office buildings/commercial premises/industrial houses, as on 01.04.2022. (MNRE registration prior to discontinuation of empanelment of solar vendors by MNRE will be considered.)	Eligibility criteria	Common Eligibility criteria as per RFP to be ensured.	No amendments in the tender/BOQ
3	90	2	The scope and terms of Comprehensive Annual Maintenance Contract (CAMC) like number of monthly visits, items covering under CAMC, replacement of spares exclusions if any, down time for break down and service calls shall be as mentioned above	For spares do we need to keep at site?	Spares shall not be kept at site and brought as per requirement	No amendments in the tender/BOQ
4	79	19	Contractor shall give minimum annual power generation guarantee of 44550 Units/ Kwh per	We need to understand the figure of 44550 units in the Annual generation guarantee.	4 units/ KWp of installation/ day averaged throughout the year.	Contractor shall give minimum annual power generation



			system for first year			guarantee 4 units/ KWp of installation/ day averaged throughout the year.
5	95	Point No 2	Supply, installation of Net metering and HT cubical meter with Load Breaker Switch to meet the requirements.	In the price bid form it is mentioned HT cubicle meter. Need clarity.	As per capacity of installation	Supply, installation of Net metering and HT cubical meter with Load Breaker Switch to meet the requirements as per the capacity installation.
6				Solar Panel Manufacture gives first year degradation 2.5% and then every year 0.75%. In tender it is 1 % for the first year and 0.5% after the first year. This need to be changed	10% maximum degradation after first ten years.	10% maximum degradation after first ten years.
7				We need an electricity bill for each location	Bills can be checked	No amendments in the tender/BOQ
8				We need roof details and structure details(elevated/non elevated) for each location	Bidders shall visit each site before submitting their offers	No amendments in the tender/BOQ
9				Payment term – can we raise invoice of each location and get payment pro rata basis?	Invoice can be raised for each site separately	Invoice can be raised for each site separately
10	26	Point No 4	Apart from the initial security deposit made as above, retention money shall be deducted from progressive running bills @ 8% of the gross value of each running bill until the total security deposit	We need to understand the retention amount and duration of the same	As mentioned in Tender Document	No amendments in the tender/BOQ
11	5	Point No 1	Bidder should be MNRE / SECI registered vendor having valid	We are MEDA empanelled Vendor under Open Category and eligible upto 500 KW installation. Are we eligible for the	As per tender clause	No amendments in the tender/BOQ



			registration and office in the state of Maharashtra having minimum five years' experience as on 31 March 2022 in SITC of grid connected (net metering) rooftop solar panels or other type of solar power projects in Government/Semi Government / PSUs / office buildings/commercial premises/industrial houses, as on 01.04.2022. (MNRE registration prior to discontinuation of empanelment of solar vendors by MNRE will be considered.)	tender?		
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3 Solar Inertia

Sr. No.	Page No.	Tender Clause No.	Tender Clause	Queries (raised by agency) in brief	Bank's reply to queries	Amendments in the tender, BOQ
1	4	1. Details of Tender	Commencement of work - 7th day from the date of issuing of Work Order	Material preparation and delivery takes approx. 6 to 8 weeks.	As per RFP	No amendments in the tender/BOQ.
2	4	1. Details of Tender	Period of completion -60 days from the date of issue of work order(including mobilization period)	Pls add completion should be 60 days from material delivery. Net metering is a non-time bound activity and should be excluded from project completion schedule.	<u>90</u> days for work completion. Bank may go for splitting for the order between L1 and L2. The decision of the Bank regarding this shall be final.	90 days from the date of issue of work order (including mobilization period). - Bank may go for splitting for the order between L1 and L2. The decision of the Bank regarding this shall be final.



						-The Bank reserves its right for splitting the quantities between two bidders. The splitting of work order will be in 60:40 ratios in case of splitting of order between two bidders; provided L-2, agrees to rates quoted by L-1 bidder and agree for all terms and conditions. In case L-2 bidder is not willing to match L-1 rates, the entire work order may be awarded to L-1. The decision of BANK will be final in this regard.
3	70	2. (iv)	The array structure shall be made of hot dip galvanized MS angles/anodized aluminum of size not less than 50 mm x 50 mm x 6 mm size. The minimum thickness of galvanization shall be at least 120 microns.	We are providing C channels hence we ask for deviation. If required we can provide a STAAD report for the same.	As per RFP	No amendments in the tender/BOQ
4	70	2. (iv)	The array structure shall be so designed that it will	Average wind speed in 80km/hr.	As per Indian Standard IS 875(The array structure shall



			occupy minimum space without sacrificing the output from SPV panels at the same time it will withstand wind speed up to maximum of 200 km/hr.	We are overdesigning the system which will add up cost.	Part 3);2015 for wind speed the optimum design should be at 160 kmph (44m/s)	be so designed that it will occupy minimum space without sacrificing the output from SPV panels at the same time it will withstand wind speed up to maximum of 160 km/hr.
5	72	4. (vii)	PCU shall be of very high quality having high peak efficiency of 97% and above. The PCU should be completely compatible with the SPV array voltage and local grid / DG supply voltage.	Synchronisation with DG supply is not allowed by the DISCOMs.	As per DISCOM Regulations - clause may be deleted	This clause is deleted. Hence, Not Applicable.
6	72	4. (xv)	It has user friendly LED / LCD Graphical display for programming and viewing of the Solar system parameters and protection status.	New inverters do not have LCD/LED displays. This design is phased out.	Latest model with display to be provided/ monitoring through app / portal with login credentials to be insisted	No amendments in the tender/BOQ
7	75	8. (v)	The monitoring of the Solar system and logging / viewing of system data software to be supplied by the shall be done through a PC with HMI Contractor.	Want 1 pc for each site? Or single PC at central location?	This clause is deleted. Monitoring through app/portal/ display device to be provided.	Latest model with display to be provided/ monitoring through app / portal with login credentials.

4 Techser Power Solutions Pvt. Ltd.

They also participated in the meeting but there queries were same as all other vendors.

Further following amendments as per requirement needs to be done:-

Sr. No.	Page No.	Tender Clause No./Description	Tender Clause	Brief Description	Amendments in the tender, BOQ
1	3	Last date and time for submission of the tender	29th June 2022 on or before 3.00 pm.	Last Date for submission has been extended till 3 PM – 08.07.2022	08th July 2022 on or before 3.00 pm.
2	9	3	The tender concept is "TWO BID SYSTEM". The bids should be placed in sealed cover, with the name of the project written on the envelopes mentioning "Technical Bid" and "Price Bid" respectively latest by 3PM on 29/06/2022 to THE DIVISIONAL MANAGER,	Last Date for submission has been extended till 3 PM – 08.07.2022	The tender concept is "TWO BID SYSTEM". The bids should be placed in sealed cover, with the name of the project written on the envelopes mentioning "Technical Bid" and "Price Bid" respectively latest by 3 PM on 08/07/2022 to THE DIVISIONAL MANAGER, PREMISES & ESTATE SECTION, CANARA BANK CIRCLE OFFICE MUMBAI, 2nd FLOOR, B



			PREMISES & ESTATE SECTION, CANARA BANK CIRCLE OFFICE MUMBAI, 2nd FLOOR, B WING, C-14, G BLOCK, BKC, BANDRA (E), MUMBAI – 400051		WING, C-14, G BLOCK, BKC, BANDRA (E), MUMBAI – 400051
3	4	Opening of Technical bids	29th June 2022 at 3.30 pm	08 th July 2022 at 3:30 PM	08 th July 2022 at 3:30 PM
4	91 to 98	Price Bid*			Price Bid Attached herewith.

*Price bids are liable to rejection, if not submitted as per the revised format (as attached with this Minutes of Meeting)

 Officer
  Sr. Manager (TECH)
  Sr. Manager
  Divisional Manager
  Assistant General Manager

