

PUNJAB NATIONAL BANK

Invites

Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

**(Tender Category: Open Tender)
E-Tender No 2651**

**Punjab National Bank,
Head Office,
General Services Administration Division,
Plot No 4, Sector-10,
Dwarka, New Delhi
e-mail: - maintenance@pnb.co.in**

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पंजाब नैशनल बैंक punjab national bank

सामान्य सेवा प्रशासन प्रभाग
कॉर्पोरेट ऑफिस प्लॉट, नंबर 04, सेक्टर-10 द्वारका, नई दिल्ली 110075
General Services Administration Division
Corporate Office Plot no.04 , Sector 10 Dwarka, New delhi 110075

पंजाब नैशनल बैंक
...भरोसे का प्रतीक !



punjab national bank
...the name you can BANK upon !

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

1. INDEX

S No	Description	Page No
1.	INDEX	2
2.	NOTICE INVITING TENDER	3-7
3.	PURPOSE OF TENDER	8
4.	ELIGIBILITY CRITERIA	9-13
5.	INSTRUCTIONS TO BIDDERS	14-18
6.	LETTER SUBMITTING TENDER	19-20
7.	LETTER OF TRANSMITTAL	21
8.	APPENDIX TO FORM OF TENDER	22-23
9.	ARTICLES OF AGREEMENT	24-25
10.	GENERAL CONDITIONS OF CONTRACT	26-55
11.	SPECIAL CONDITIONS OF CONTRACT	56-62
12.	SCOPE OF WORK	63-69
13.	TIME SCHEDULE FOR COMPLETION OF WORKS & STAGewise PAYMENT	70-71
14.	TECHNICAL SPECIFICATIONS	72-84
15.	LIST OF PREFERRED MAKE OF MATERIALS	85
16.	ANNEXURES & UNDERTAKINGS	86-102
17.	SCHEDULE OF QUANTITIES	103-105
18.	CHECKLIST FOR THE BENEFIT OF BIDDERS	106-107

THE TENDER DOCUMENT CONSIST OF 107 PAGES ONLY.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

2. NOTICE INVITING TENDER

1. Online E- tenders are invited Region Wise, on item rate basis on behalf of Punjab National Bank from bidders who fulfill the eligibility criteria mentioned in the tender documents for **"Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises"**.

Tender schedule will be as under:

i.	Tender Reference	E-Tender no. 2651
ii.	Date of commencement of Tender download	13.07.2024 from 1000 hrs
iii.	Last date and time for acceptance of queries	20.07.2024 till 1500 hrs
iv.	Date, Time and Venue for Pre-Bid Meeting	23.07.2024, 1100 hrs Head Office, General Services Administration Division , Punjab National Bank, Dwarka, New Delhi - 110075
v.	Last date and time for downloading tender	03.08.2024 up to 1600 hrs
vi.	Last date and time for Bid preparation and Hash Submission	03.08.2024 up to 1600 hrs
vii.	Close for Technical & Commercial Bid (to be done by Bank)	03.08.2024 from 1601 hrs to 03.08.2024 from 1700 hrs
viii.	Last Date for Bid re-encryption and physical Bid Submission	03.08.2024 from 1701 hrs to 05.08.2024 till 1200 hrs
ix.	Date and Time of Opening of Technical cum Eligibility Bid in E tendering portal	05.08.2024 from 1300 hrs
x.	Cost of Tender Document	₹ 2,950/- (Rupees Two Thousand Nine Hundred and Fifty Only) (including GST) in the form of Demand Draft in favour of Punjab National Bank payable at New Delhi. Tender fee can also be paid by the bidder through RTGS/ NEFT to the following Bank Account, detailed as below: Account Name: Imprest A/c – General Services Admin Div Account No.: 1988002100141010 IFSC: PUNB0976200

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

		Bank: Punjab National Bank	
xi.	Earnest Money Deposit	Region Applied For	EMD Amount
		North	₹ 7.00 Lacs
		West & Central	₹ 5.29 Lacs
		East	₹ 2.50 Lacs
		South	₹ 0.46 Lacs
		In case the Bidder has applied for more than one region, the EMD shall be Submitted amounting to total of EMD requirement for the regions for which the bidder has applied.	
		(to be submitted with Envelope-I). EMD to be paid in form of Account Payee Demand Draft (payable at New Delhi and drawn in favour of Punjab National Bank), Insurance Surety Bonds, Fixed Deposit Receipt, Bankers' Cheque or Bank Guarantee (including e-Bank Guarantee) (from any Scheduled Commercial Bank other than Punjab National Bank). EMD can also be paid by the bidder through RTGS/ NEFT to the following Bank Account, detailed as below: Account Name: Imprest A/c – General Services Admin Div Account No.: 1988002100141010 IFSC: PUNB0976200 Bank: Punjab National Bank	
xii.	Validity of Tender	90 days	
xiii.	Estimated Cost of Project (on Pan India Basis)	₹ 7,62,22,000/- (Rupees Seven Crores Sixty Two Lacs Twenty Two Thousand Only) i/c of all taxes	
xiv.	Time of Completion	120 Days	
xv.	Place of Physical Bid Submission & Opening of Bids	Chief Manager (Electrical), Head Office, General Services Administration Division , Punjab National Bank, Dwarka, New Delhi - 110075	
xvi.	Contact Person	Gaurav Rajput	

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

	Chief Manager (Electrical) Mob: 8085717434 Tel: 01128044402 Email: maintenance@pnb.co.in
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Bank will be following the e-procurement process. The complete details of the requirements for participation in the e-procurement process of the Bank are available on the website <https://etender.pnbnet.in> which may be referred for details & clarification. It is mandatory for the bidder to get itself registered on Bank's website for submission of online bids.

Note: - Technical bids will be opened in the presence of bidders who choose to attend as above. The above schedule is subject to change. Notice of any changes will be published on Bank's website (www.pnbindia.in & <https://etender.pnbnet.in>) wherever feasible. Further, please note that commercial bid opening date and time will be intimated to the technically qualified bidders at a later date.

2. Online E-tenders are invited Region wise on item rate basis on behalf of Punjab National Bank from bidders who fulfill the eligibility criteria mentioned in the tender documents for **"Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises"** against payment of ₹ 2,950/- (**Rupees One Thousand Seven Hundred Seventy only**) (non-refundable towards cost of tender and i/c GST @ 18%), in two envelope system containing (1) Technical Bid (2) Commercial bid. Tender purchase fee of ₹ 2,950/- (**Rupees One Thousand Seven Hundred Seventy only (including GST)**) to be submitted in form of demand draft in a separate envelope with EMD as indicated for Geographical Region as per Notice Inviting Tender. Commercial bid shall be submitted online only (If Commercial Bid submitted along with the Hard copy of Tender, bid will be summarily rejected).

3. The Bidders intending to participate in this tender are required to get enrolled on the Bank's website i.e. <https://etender.pnbnet.in> Enrolment on the above mentioned website is mandatory.

4. As the bids of the Bidders have to be digitally signed by the Electronic/Digital Signature of the respective Bidder before submitting the bids online, the bidders are advised to obtain Electronic/Digital Signature Certificates (Class III & above both encryption & Signing) in order to bid for the tender.

5. The Tender Documents containing detailed terms & conditions can be downloaded online directly from the portal <https://etender.pnbnet.in> (or pnbindia.in) as per tender schedule attached and shall be submitted online.

6. All the bidders are required to submit Demand Draft in favour of Punjab National Bank, New Delhi/ e-payment in our aforementioned Imprest A/c of ₹2,950/- (**Rupees One Thousand Seven Hundred Seventy only**) towards the cost of tender document by 03.08.2024 till 1600 hrs, failing which, the bids shall be summarily rejected.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

7. Bidders may submit their queries regarding any technical clarification before 20.07.2024 till 1500 hrs through email. No queries shall be entertained after last date fixed for acceptance of queries.

8. Clarifications of Bank on RFP may be downloaded from the "Corrigendum / Addendums" section of the above mentioned portal up to 03.08.2024 up to 1600 hrs after clarification on queries. No deviation on the above shall be entertained by the Bank thereafter.

9. Based on the clarification of conditions by the Bank, an intending bidder shall submit its unconditional acceptance on the prescribed format along with tender document.

10. Price bid of only those bidders shall be opened who submit their tender in line with requirements of tender documents and are acceptable to the Bank and the bidder who do not submit the EMD & tender fee in the form of Bank draft/e-payment, as the case may be, their tenders shall be summarily rejected.

11. Bidders who have submitted Tender Fee and EMD in the non-customer Bank account specified in the tender document shall mandatorily submit copy of transaction receipt as proof of submission. Any other mode of payment, i.e., Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt (lien to be marked in favour of Bank), Bankers' Cheque (in favour of Punjab National Bank) or Bank Guarantee (including e-Bank Guarantee) (from any Scheduled Commercial Bank other than Punjab National Bank) shall be submitted in original.

12. First Tender Fee & E.M.D. Envelope shall be opened in the e tender portal, and if the hard copy of the same/confirmation of online payment is received on time i.e. up to 05.08.2024 till 1200 hrs, only then technical bid shall be opened online. Hard copy i.e. the Demand Draft (or any other form as mentioned under clause no. 18 of General Conditions of Contract) in favour of Punjab National Bank for an amount of EMD as indicated for Geographical Region as per Notice Inviting Tender and Tender Fee amount of **₹2,950/- (Rupees One Thousand Seven Hundred Seventy only)** is to be submitted physically by the bidder in the office of the Chief Manager (Electrical), Head Office, General Services Administration Division, Punjab National Bank, Dwarka, New Delhi – 110075 on or before 05.08.2024 till 1200 hrs

13. The commercial bid of technically eligible bidder who meets the eligibility criteria stipulated in tender documents will be opened online in the presence of participants or representatives of participant bidders as per the schedule attached. The Date for opening of commercial bids shall be intimated later.

14. The Tenders shall be valid for a period of not less than 90 days after the date of opening of price bid/commercial bid online.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

15. All disputes arising out of or in connection with this agreement shall be deemed to have arisen in New Delhi and only the courts of New Delhi shall have the jurisdiction to determine the same.

16. Please note that bid preparation and hash submission and bid submission are compulsory activities, failing which bidder will not be able to submit the bids online.

17. For any further information/Queries please contact Gaurav Rajput, Chief Manager (E), Mob: 8085717434, Tel: 01128044402, Email: maintenance@pnb.co.in.

18. The Bank reserves the right to accept/reject any or all the offers submitted in response to this advertisement without assigning any reason whatsoever.

19. The Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tenders without assigning any reasons whatsoever.

20. Please note that, on tendering procedure through the electronic tendering system refer to the Instructions for Using the Electronic Tendering System document available along with the tender documents on <https://etender.pnbnet.in>.

21. Bidder must submit documentary proof in respect of all above mentioned criteria while submitting the proposal. Proposal of bidders who do not fulfill the above criteria or who fail to submit documentary evidence thereon would be rejected.

22. Bidders registered under MSEs will also necessarily submit Tender Cost and EMD (since this tender is for procurement of works). If MSE bidders do not enclose Tender Cost or EMD, their bid will be summarily rejected as NON-RESPONSIVE.

23. It shall be mandatory to sign the integrity pact as mentioned in tender documents by the bidder failing which bidder will stand disqualified for tendering process and their bid shall be rejected summarily.

Chief Manager (Electrical)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

3. PURPOSE OF TENDER

Bank is intending to install Grid Connected Rooftop Solar systems on Pan India Basis at Bank's Premises. Bank is desirous of executing the work region wise, however prospective bidders may apply for Pan India Basis provided they meet the minimum eligibility criteria as defined in the bid document.

The list of premises provided consists of Commercial, Institutional, Residential and Mixed Use premises.

The successful bidder shall carry out site surveys at all the premises as per list of premises enclosed in the annexure to this document.

The list provided is indicative and Bank may at its discretion increase or decrease the number of premises for carrying out the feasibility survey.

The tentative capacity worked out for the above premises is approximately 1487 KWp. However, Bank reserves the right to increase or decrease the capacity as per requirement. The decision in this regard shall be taken by Bank and bidder shall have no objection to the same. No claims in this regard shall be entertained by the Bank.

Based on the feasibility reports, Bank shall shortlist the premises while prioritizing the premises based on return of investment / as per Bank's requirement.

The bidder shall design the rooftop solar system, supply and install the components viz. Solar Modules, Inverters, Cables, Switchgear, Support structure etc. and test and commission the system in total. The Bidder shall also set up data monitoring systems for the roof top solar systems for monitoring by Bank locally and centrally and provide liaison with local bodies / discoms for obtention of net metering.

The work is to be carried out in a time bound manner as specified in the tender document, and in coordination with PNB officials. The buildings being operational, coordination with Bank's Officials and local bodies, for execution of work and obtaining permissions / approvals is in the scope of bidder.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

4. ELIGIBILITY CRITERIA

1) The Bidder should possess the requisite experience, resources and capabilities in providing the services necessary to meet the requirements, as described herein. The Bidder should also possess the technical know-how and the financial wherewithal that would be required to complete the scope of work. The Bid must be complete in all respects and should cover the entire scope of work as stipulated in the tender document. Bidders not meeting the Eligibility Criteria will not be considered for further evaluation and bid submitted by them shall be summarily rejected.

2) This invitation of bids is open to bidders provided they fulfill the minimum eligibility criteria as below. Consortium/Joint Ventures and Special Purpose Vehicles are not eligible for the tender and the bid, if any, submitted by them shall be summarily rejected. Proposals not complying with minimum eligibility criteria, as enumerated below, will be rejected and will not be considered for evaluation of technical bid.

3) The proposal should adhere to the following minimum eligibility criteria:

S. No.	Minimum Eligibility Criteria			
i.	The tentative quantum of work and capacity worked out for the various geographical regions is as under:			
	Geographical Region	Estimated Capacity	Unit	Estimated Amount
	North	686	KWp	₹ 3,49,95,000.00
	West & Central	514	KWp	₹ 2,64,25,000.00
	East	244	KWp	₹ 1,25,21,000.00
	South	43	KWp	₹ 22,81,000.00
	Total	1487	KWp	₹ 7,62,22,000.00
	The Bidder should have satisfactorily completed similar works during last 7 (seven) years ending last day of the month of June 2024 with Central/State Government Department/Central Autonomous Body/Central Public Sector Undertaking/City Development Authority/Municipal Corporation of City formed under any Act by Central/State Government and published in Central/State Gazette/ Scheduled Commercial Banks or its subsidiaries/Private organizations should be either of the following: -			
	S.No.	Geographical Region Applied for	States / UT Covered under Region	Amount of / Installed Capacity in Similar Work
	I	North	Leh, J&K, H.P., Punjab, Haryana, Chandigarh, Uttarakhand, U.P.	a) One similar nature work: amounting to 80% of the Estimated Amount Indicated for the applied Geographical Region OR Installed Cumulative Capacity of 80% of the estimated capacity
	II	West and Central	Rajasthan, Gujarat, M.P.,	

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

			Chhattisgarh, Maharashtra, Dadra & Nagar Haveli, Daman & Diu, Goa	indicated for the applied geographical region OR b) Two similar nature works: each amounting to 50% of the Estimated Amount Indicated for the applied Geographical Region or of Installed Cumulative Capacity of 50% of the estimated capacity indicated for the applied geographical region for each work OR c) Three similar nature works: each amounting to 40% of the Estimated Amount Indicated for the applied Geographical Region or of Installed Cumulative Capacity of 40% of the estimated capacity indicated for the applied geographical region for each work
	III	East	Bihar, Jharkhand, West Bengal, Odisha, Sikkim, Assam, Meghalaya, Tripura, Mizoram, Manipur, Nagaland, Arunachal Pradesh	
	IV	South	Telangana, Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Puducherry, Lakshadweep, Andaman & Nicobar Islands	
<p>In case the Bidder has applied for more than one region, the percentages of estimated cost / cumulative installed capacity for previously executed similar work shall be considered on the total of estimated cost / capacity for the regions for which the bidder has applied.</p>				
<p>Similar work means, Supply, Installation, Testing and Commissioning of Solar Photovoltaic System for one organization / client under one work order / agreement. Cumulative works executed under rate contract on Capex / Revenue mode under single work order / contract shall be considered as similar work and in case the duration of such rate contract exceeds more than one year then the value of similar work shall be considered for work completed under the rate contract in a single year.</p> <p>Components of work executed other than those included in definition of similar works shall be deducted while calculating cost of similar work. Bidder shall submit abstract of cost of work in support of the same.</p> <p>Certificates of satisfactory completion of similar work should be issued by competent Authority (not less than Executive Engineer / Chief Manager or</p>				

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

	<p>equivalent). For works carried out on Opex Mode, supporting documents establishing the cumulative capacity to be provided.</p> <p>In case the similar work/s is of private nature other than Central/State Government/Central Autonomous Body/Central Public Sector undertaking/City Development Authority/ Municipal Corporation of city, they shall be required to submit T.D.S. Traces / Certificates for such works issued by respective Principal Employer/ Clients.</p> <p>The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple interest of 7% per annum, calculated from the date of completion to the last date of receipt of application for tender.</p>															
ii.	<p>The minimum average annual turnover of Bidder for the last three financial years i.e. 2020-21, 2021-22 & 2022-23 must not be less than</p> <table><tr><th>S.No.</th><th>Geographical Region Applied for</th><th>Turnover Requirement</th></tr><tr><td>I</td><td>North</td><td>₹ 104.99 Lacs</td></tr><tr><td>II</td><td>West and Central</td><td>₹ 79.28 Lacs</td></tr><tr><td>III</td><td>East</td><td>₹ 37.56 Lacs</td></tr><tr><td>IV</td><td>South</td><td>₹ 6.84 Lacs</td></tr></table> <p>In case the Bidder has applied for more than one region, the turnover requirement shall be considered on the total of turnover requirement for the regions for which the bidder has applied.</p> <p>Bidder to upload audited Balance sheet, Profit & Loss statement and trading account details for these financial years, if applicable.</p> <p>The multiplication factor of 7% per annum simple interest is not applicable on the Annual Financial Turnover figures.</p> <p>** In case, the company/bidder does not have the audited Balance Sheet for period ending March 2023 (Previous Financial Year), provisional balance sheet certified by their Statutory Auditors will be acceptable.</p>	S.No.	Geographical Region Applied for	Turnover Requirement	I	North	₹ 104.99 Lacs	II	West and Central	₹ 79.28 Lacs	III	East	₹ 37.56 Lacs	IV	South	₹ 6.84 Lacs
S.No.	Geographical Region Applied for	Turnover Requirement														
I	North	₹ 104.99 Lacs														
II	West and Central	₹ 79.28 Lacs														
III	East	₹ 37.56 Lacs														
IV	South	₹ 6.84 Lacs														
iii.	<p>The Applicant should not have been black-listed/ barred by any office of Bank, Department of Financial Services, Govt. of India, any Department / Agency under Ministry of New and Renewable Energy (MNRE) or regulators like RBI, SEBI, IRDA etc. and their firm / company should not feature in the debarment list on Central Public Procurement Portal (CPPP) maintained by Department of Expenditure, Ministry of Finance Government Agency. Further, similar eligible works should not have been carried out on Back to Back basis and the Applicant shall have to furnish undertaking as under. An undertaking in this regard is to be submitted to Bank by Bidder (on stamp paper of Rs.100/-) as per Annexure-II</p> <p><i>" I/We have not been black-listed/ barred by any office of Bank, Department of Financial Services, Govt. of India, any Department / Agency under Ministry of New and Renewable Energy (MNRE) or regulators like RBI,</i></p>															

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

	<p><i>SEBI, IRDA etc. and my company does not feature in the debarment list on Central Public Procurement Portal (CPPP) maintained by Department of Expenditure, Ministry of Finance Government Agency.</i></p> <p><i>"I/ We undertake and confirm that eligible similar work(s) has/have not been got executed through another agency on back to back basis.</i></p> <p><i>Further that, if such a violation comes to the notice of the Bank, then I/we shall be debarred for bidding in PNB in future forever. Also, if such violation comes to the notice of the Bank before date of start of work, the Bank shall be at liberty to forfeit the entire amount of Earnest Money Deposit."</i></p>
iv.	Bidder must have valid PAN No. and GST No. Copy of PAN Card and GSTIN to be submitted.
v.	Bidder should have an office setup in any of the states in the Geographical Area in which they have applied for. Address Proof in the form on Utility Connections Bills, GSTIN, Valid Lease Agreement, Property Tax Receipts etc. in the name of the bidder to be submitted.

4) The bidder should be Class-I local supplier. "Class-I" means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum "local content" as prescribed for Class-I local supplier as per DPIIT vide OM P-45021/2/2017PP (BE-II) dated 16.09.2020 issued the Public Procurement (Preference to Make in India) Order 2017-revision. **The "local content" requirement to categorize a supplier as "Class-I local supplier" is minimum 50%.** "Local content" means the amount of value added in India which shall, unless otherwise prescribed by the nodal ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

5) **The bidder must submit the Compliance Statement (ANNEXURE-VIII) and Compliance to "Technical Specifications" on company's letterhead duly signed and stamped along with the type test reports, data sheets, technical literature etc., failing which the bids may not be taken for further evaluation.**

6) **In compliance with Ministry of New & Renewable Energy (MNRE) Order No 283/22/2019-GRID SOLAR dated 23rd Sep 2020 for the Public Procurement (Preference to Make in India) & any amendments thereof, and Department for Promotion of Industry and Internal Trade (DPIIT) Notification No. P-45021/2/2017-PP (BE-II) dated 4th June, 2020, Prospective Bidders are advised to submit only Make in India Class-I compliant Solar PV Modules and Solar Inverters in support of qualification of their technical bid. Bids not compliant with the above shall be summarily rejected.**

7) **Verification of "local content":** The "Class-I local supplier" with the bid document shall be required to submit self-certification that the bidder meets the local content requirement for "Class-I local supplier".

8) This being procurement of works, Startups and Firms registered under MSEs would not be exempted from submission of tender Cost/Fee and from payment of EMD.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- 9) Bidder must submit documentary evidence in respect of all above mentioned criteria while submitting the proposal. Proposal of bidder who do not fulfill the above criteria or who fail to submit documentary evidence thereon would be rejected.
- 10) Bidder has to upload scanned and legible copies of all supporting documents on Bank's e-procurement website <https://etender.pnbnet.in> for its scrutiny.
- 11) The Bank reserves the right to request for any additional information by giving minimum 3 days' notice to the bidders and also reserves the right to reject or accept the bid of a bidder, if in the opinion of Bank the qualification data is incomplete or the bidder is found not qualified to satisfactorily execute the requirements of the project and no communication shall be entertained in this regard in future. Decision of Bank shall be final in this matter.

5. INSTRUCTIONS TO BIDDERS

1) BIDDING PROCESS (TWO STAGES)

For the purpose of the present job, a three-envelope bidding process will be followed. The response to the present tender will be submitted in two parts:

- Technical bid
- Commercial bid

The bidders will have to submit the technical bid in Banks e-procurement system as well as in hard copy and commercial bids in only online form through Bank's e-procurement system.

2) TECHNICAL BID

TECHNICAL BID will also contain the Compliance statement as per the Terms & Conditions mentioned in the Tender Documents, and NOT contain any pricing or commercial information at all. Technical bid documents with any commercial information will be rejected.

In the first stage, only TECHNICAL BIDs will be opened and evaluated. Only those bidders confirming compliance to all the terms & conditions of Tender document shall be short-listed for commercial stage.

3) COMMERCIAL BID

In the second stage, the COMMERCIAL BID of only those bidders, whose technical bids are short listed, will be opened.

4) SUBMISSION OF BIDS

Bidders are required to strictly submit their bids in electronic form using the e-procurement system at <https://etender.pnbnet.in> the Bank by using their digital certificates of class III and above (both encryption and signing). All the interested bidders should register themselves in the e-procurement system <https://etender.pnbnet.in> for submitting the bids online, if they have not done earlier. The Tender document and further corrigendum, if any can also be downloaded from Bank's website www.pnbindia.in. Bids received after closing of the bid in the e-procurement system are summarily rejected without any reason. The commercial bid should be submitted online only.

Envelope No.1- Tender Cost & EMD – Marked Cover-I

Envelope No.1 shall contain Cost of Tender Document of ₹ **2,950/- (Rupees Two Thousand Nine Hundred and Fifty Only) (including GST)**, in the form of Demand Draft/Online payment which shall be non-refundable along with **EMD as indicated for**

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Geographical Region as per Notice Inviting Tender by crossed Demand Draft/Online Payment/ Bank Guarantee from scheduled commercial bank, payable at New Delhi and drawn in favour of Punjab National Bank and to be submitted with Envelope-I. This envelope shall be super scribed **"Envelope No. 1 - Tender Cost and EMD for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises"**

Envelope No. 2 – Technical Bid – Marked Cover-II

Envelope No. 2 shall contain technical bid (one set of duly signed tender document except commercial bid). Each page and correction duly signed by Bidders including tender form duly filled in with complete details and descriptions. Bidder shall submit supporting documents in support of eligibility criteria as mentioned in tender documents. This envelope shall be super scribed **"Envelope No. 2 - Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises"**. Both Envelope No. 1 and Envelope No. 2 shall be contained in Envelope No. 3 super scribed **"Envelope No. 3 – Cover-III– Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises."**

Both Envelope No. 1 and Envelope No. 2 contained in Envelope No. 3 should reach the below mentioned address before the final date & time of bid submission mentioned in the tender schedule.

**Chief Manager (Electrical),
Head Office,
General Services Administration Division ,
Punjab National Bank,
Dwarka, New Delhi – 110075**

5) CONTENT OF DOCUMENTS TO BE SUBMITTED

Documents required in Technical Bid Envelope (Sealed Cover):

- a) Bidders undertaking letter
- b) Supporting documents as per Eligibility Criteria
- c) Performance/Completion Certificate from clients
- d) Duly signed Tender document and corrigendum, if any
- e) Board Resolution / Power of attorney in favour of authorized person signing the Bid documents. In case of companies, Board Resolution in the favour of authorised signatory is mandatory.
- f) Certificate of Incorporation & Partnership Deed, if applicable
- g) PAN No.
- h) GST Registration No.
- i) Copy of last three years audited balanced sheet, Profit & Loss Statement, Balance Sheet and ITR (2020-21 2021-22 & 2022-23).

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- j) List of similar work completed in last 7 (Seven) years with details enclosing completion certificate from the principal employer / clients along with the names of two responsible clients/ persons with address & telephone number who will be in position to certify about quality as well as past performance of your organization.
- k) List of Govt./ Quasi-Govt. Deptt. and other organizations of repute with whom the company is empanelled.
- l) Annexures & Undertakings Sought in tender document
- m) Test Reports, Technical Compliances, Data Sheets and Technical Literature for Solar Modules and Inverters

Note:

- a. All pages of the bid documents must be signed by authorized person.
- b. All pages of the bid documents should be numbered in serial order i.e. 1, 2, 3...
- c. Commercial bid to be submitted in e-procurement portal only. No hardcopy of the same be enclosed with the supporting documents, if submitted, the bid will be summarily rejected.
- d. Earnest Money Deposit & Tender Document cost (Sealed Cover **Envelope No.1- Tender Cost & EMD – Marked Cover-I**).

6) PRELIMINARY EXAMINATION

- i. Bank will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required information has been provided as underlined in the bid document, whether the documents have been properly signed, and whether bids are generally in order.
- ii. The bid determined as not in order as per the eligibility criteria will be rejected by the Bank. The decision of the Bank is final towards evaluation of the bid documents.

7) EVALUATION CRITERIA

7.1 After opening of the technical bids, all the documents and annexure (except commercial documents/offer) will be evaluated first by the Bank. First, received bids will be evaluated based on the eligibility criteria. Technical bids of only those bidders satisfying the eligibility criteria will be evaluated.

7.2 Only those bidders satisfying the technical requirements and accepting the terms and conditions of this document shall be short-listed for further steps.

7.3 PNB will determine to their satisfaction whether the bidder selected as having submitted the best evaluated responsive bid is qualified to satisfactorily perform the contract. The decision of PNB will be final in this regard.

7.4 The determination will take into account bidder's financial, technical and support capabilities, based on an examination of documentary evidence submitted by bidders in support of eligibility criteria. Even if the bidder meets the eligibility criteria and Pre-Qualification Criteria, he shall be subject to disqualification if he or any of the constituent partners is found to have:

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

i) Made misleading or false representations in the forms, statements, affidavits and attachments submitted in proof of the qualification requirements; and/ or;

ii) Records of poor performance during the last five years, as on the date of last date of bid submission, such as abandoning the work, rescission of the contract for reasons which are attributable to non-performance of the contractor, inordinate delays in completion, consistent history of litigation resulting in awards against the contractor or any of the constituents, or financial failure due to bankruptcy, and so on. The rescission of a contract of venture JV on account of reasons other than non-performance such as the most experienced partner (major partner) of the JV pulling out.

iii) On account of currency of debarment by any office of Bank, Department of Financial Services, Govt. of India, any Department / Agency under Ministry of New and Renewable Energy (MNRE) or regulators like RBI, SEBI, IRDA etc. and their firm / company should not feature in the debarment list on Central Public Procurement Portal (CPPP) maintained by Department of Expenditure, Ministry of Finance Government Agency. All concerns which come within the sphere of effective influence of the debarred firms shall be treated as allied firms. In determining this, the following factors, may be taken into consideration:

- Whether the management is common;
- Majority interest in the management is held by the partners or directors of banned/suspended firm.
- Substantial or majority shares are owned by the banned/ suspended firm and by virtue of this it has a controlling voice.
- Directly or indirectly controls, or is controlled by or is under common control with another bidder.
- All successor firms.

Note: The terms "banning of firm", 'suspension', 'Black-Listing' etc., convey the same meaning as of "Debarment".

7.5 The award of contract will be based on evaluation of technical and commercial bids.

7.6 The Lowest bidder for each Geographical Region will be decided based on cumulative total of rates quoted for BOQ items for the respective Geographical Region.

8) SPLITTING & AWARD OF WORK:

- i. The entire premises of Bank have been divided into 4 regions. Bank intends to award the work for various regions separately for which bidders are expected to quote accordingly.
- ii. Bank is desirous of splitting the work for Geographical Area "North" and may split the work among two bidders. The L-2 bidder shall be given offer to match the L-1 rates. Should they decline to match the rates of L-1, the offer to match the L-1 rates shall be extended to L-3, L-4, L-5 and so on in increasing order of commercial bids, till Bank has one bidder who has accepted the rates of L-

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

S.No.	Tentative Work Package	Quantum of Work to be awarded	Bidder
1.	Work Package 1 for North	Approx 60% of the sites / locations	L-1 Bidder
2.	Work Package 2 for North	Approx 40% of the sites / locations	First Bidder (starting with L2 / L3 / L4 and so on in increasing order of commercial bids) which has accepted the rates of L-1 bidder.

- iii. In case no bidder agrees to match the rates of L-1 Bidder, the entirety of the work shall be awarded to L-1 bidder.
- iv. In case L-1 bidder withdraws the bid / does not accept the work, the tender shall be scrapped.
- v. In case of poor performance of any of the selected bidders during execution of work, the work awarded to them, or part thereof, may be reassigned to other shortlisted bidders (in increasing order of commercial bids) for the Geographical Region at the risk and cost of the former and suitable disciplinary action and / or termination shall be considered against the said bidder. The decision of Bank in this matter shall be final and binding on all selected bidders.
- vi. The Division of work shown is indicative and final work packages shall be allotted as per the quantum of work indicated.
- vii. The decision of Bank in this matter shall be final and binding on all selected bidders.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

6. LETTER SUBMITTING TENDER

(To be submitted in the letter head of the bidder)

**Chief Manager (Electrical),
Head Office,
General Services Administration Division,
Punjab National Bank,
Dwarka, New Delhi - 110075**

Dear Sir,

Reg: Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

1) Having visited the site and examined the drawings, conditions of contract, special conditions of contract, general specifications and detailed specifications, schedules and bill of quantities for the execution of the above named works, we offer to complete and maintain the whole of the said works in conformity with the said drawings, conditions of contract, specifications, schedules and bill of quantities for the sum stated in bill of quantities of this Tender Document or such other sum as may be ascertained in accordance with the said conditions of contract.

2) We undertake to complete and deliver the whole of the works comprised in the contract within the stipulated time stated in the tender.

3) I/We have applied for the Geographical Regions specified as under:

S.No.	Region Applied For	(YES / NO)
I	North	
II	West & Central	
III	East	
IV	South	

4) We have independently considered the amount of liquidated damages shown in the Appendix to form of tender hereto and agree that it represents a fair estimate of the loss likely to be suffered, by you in the event of the works not being completed in time.

5) We agree to abide by this tender for the period of 90 days from opening of Price Bid/Commercial Bid or extension there of as required by the Bank from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

6) We confirm that the period and rates as referred in the agreement or general conditions of contract are given or summarized in the tender, to which we give our consent and agree to abide by the same.

7) We understand that if our tender is accepted, we are to be jointly and severally responsible for the due performance of the contract.

8) We understand that you are not bound to accept the lowest or any tender you may receive and may reject all or any tender, accept or entrust the entire work to the Contractor without assigning any reason or giving any explanation whatsoever.

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

9) I/we have deposited Earnest Money **EMD** as indicated for **Geographical Region as per Notice Inviting Tender as under:**

Region Applied For	EMD Amount (tick as applicable)
North	₹ 7.00 Lacs
West & Central	₹ 5.29 Lacs
East	₹ 2.50 Lacs
South	₹ 0.46 Lacs
Note to bidders: In case the Bidder has applied for more than one region, the EMD shall be Submitted amounting to total of EMD requirement for the regions for which the bidder has applied.	

by Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt (lien to be marked in favour of Bank), Bankers' Cheque (in favour of Punjab National Bank) or Bank Guarantee (including e-Bank Guarantee) (from any Scheduled Commercial Bank other than Punjab National Bank) which amount is not to bear any interest. I/we do hereby agree that this sum shall be forfeited by you in the event our tender is accepted and I/we fail to execute the contract when called upon to do so.

Dated this day of _____ 2024.

Signature _____ in the capacity of _____ duly
authorized to sign tenders for _____ and _____ on behalf of _____
(IN CAPITALS)

Tender submitted on _____ before _____ P.M.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

7. LETTER OF TRANSMITTAL
(To be submitted on letter head of the Bidder)

**Chief Manager (Electrical),
Head Office,
General Services Administration Division ,
Punjab National Bank,
Dwarka, New Delhi - 110075**

Dear Sir,

Reg: Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Having examined the details given in Press advertisement and tender document No..... for the above work, I/we hereby submit the relevant information.

1) I/We here by certify that all the statement made and information supplied in the enclosed annexures and accompanying statement are true and correct.

2) I/We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.

3) I/We submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible similar works:-

S No	Name of the Work	Value of Work / Cumulative Capacity of Installation	Date of Completion	Certificate issued by

"Certify that the information given in the enclosed tender documents is correct. It is also certified that I/we shall be liable to be debarred, disqualified / cancellation of bid in case any information furnished by me/us found to be incorrect."

Enclosures:
Date of submission

SIGNATURE(S) OF APPLICANT(S)
Seal of applicant

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

8. APPENDIX TO FORM OF TENDER

S.No.	Description	Details
1)	Defects Liability period	DLP for complete system will be 60 Months from date of virtual completion of work. Virtual completion of the project will be certified and recorded by Site Engineer / Bank's Representative.
2)	Date of Commencement	Date of start of work shall be reckoned from 3 rd day of issue of award letter.
3)	Time of completion	120 days from the date of commencement of work.
4)	Period of Final Measurements	1 (One) months from the Date of Virtual Completion
5)	Liquidated Damages	Stage-wise liquidated damages as Indicated in Time Schedule for Completion
6)	Minimum Value of work for Interim Certificate	As specified under Payment clause of General Conditions of Contract.
7)	Total Security Deposit	8% of the contract amount
8)	Performance Security	Performance Security shall be 3% of the value of the contract. Performance Security shall be inclusive of EMD. It shall be in form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Bankers' Cheque or Bank Guarantee (including e-Bank Guarantee) (from any Scheduled Commercial Bank other than Punjab National Bank) or online payment in non-customer account of the procuring office of Bank. Performance security for works shall be returned to the party within 14 days after virtual completion of work
9)	Retention Percentage	8% of the gross value of each interim bill with maximum of 5% of the contract value. Maximum 5 % of contract value to be retained for 60 months of Defect Liability Period of complete system.
10)	Refund of Retention Money	Retention Money of 5 % of the contract value will be retained for period upto defect liability period of 60 months for the complete system. Retention Money will be refunded to the Contractor within 30 days after end of the warranty period. The aforesaid refund of Retention Money would be subject to condition that the contractor has satisfactorily carried out all the works attended to all defects in accordance with the conditions of the Contract, including the site clearance. After completion of work, retention money can be refunded after obtaining a Bank Guarantee of

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

		equivalent amount for a time period till the end of defect liability period plus claim period. Bank Guarantee should be from any Scheduled Commercial Bank other than Punjab National Bank. Claim period would be considered as mentioned on Bank Guarantee or 03 Months after the end of defect liability whichever is later.
11)	Period of Honouring Certificate	15 days from date of receipt of certificate from the Site Engineer / Bank's Representative

9. ARTICLES OF AGREEMENT

AGREEMENT

This agreement is made at on..... Day of..... 2024 between Punjab National Bank, a body corporate constituted under the Banking Companies (Acquisition and transfer of Undertaking Act 1970) having its Corporate office at Plot No. 4, Sector 10, Dwarka, New Delhi – 110075 and its General Services & Administration Division (Hereinafter referred to as "The Bank " which expression shall be deemed to mean and include its successors, administrators and permitted assigns) of the one part & (herein after called "the Successful Bidder/Contractor" which expression shall be deemed to mean and include its successors, administrators and permitted assigns) of the other part.

WHEREAS the Bank is desirous of executing work of **"Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises"** and has by letter of acceptance dated.....accepted a tender by the Contractor for the execution, completion & maintenance of such work.

After discussion, the Bank and the bidder agree to enter into this agreement on the terms and condition set out hereunder:

NOW THIS AGREEMENT WITNESSES AS FOLLOWS:

- 1) In this agreement words and expressions shall have the same meaning as are respectively assigned to them in the said conditions of contract hereinafter referred to:
- 2) The following documents, terms and conditions contained therein shall form and construe as integral part and parcel of this agreement and be read as part and parcel of this agreement, viz.
 - a. Original tender document duly signed and stamped on each page by the authorised signatory of the bidder;
 - b. Relevant correspondence letters / communications forming parts of contract and referred to in acceptance letter;
 - c. Acceptance of Award of Work;
 - d. Bill of quantities;
 - e. Corrigendum/Addendums (if published); and
 - f. Other additional documents as may be required.
- 3) The aforesaid documents shall be taken as complementary and mutually explanatory of one another, but in the case of ambiguities of discrepancies the latest documents issued by the Bank shall prevail over the earlier documents.
- 4) In consideration of payment to be made by the Bank to the successful bidder as hereinafter mentioned, the successful bidder hereby covenants with the Bank to perform execute, complete and maintain the work in due respects and in conformity with the provision of the contract and tender documents.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

5) The Bank hereby covenants to pay the Contractor/successful Bidder in consideration of the execution, completion of the work such sums as shall become payable hereunder at the time(s) and in the manner prescribed in the said conditions and price schedule of quantities / bill of quantities prescribed in the contract.

6) All disputes or differences whatsoever arising between the parties shall be settled amicably. If parties are not able to solve amicably, the same shall be settled by arbitration by a sole Arbitrator to be nominated by the competent authority of Punjab National Bank in accordance with Arbitration and Conciliation Act 1996 and the Rules and Regulations framed thereunder, as may be amended from time to time. The award made in pursuance thereof shall be binding on the parties.. Venue of arbitration shall be at New Delhi and the language shall be English. The Parties to the arbitration shall bear their own costs. The Arbitrator shall give a reasoned award.

7) All disputes arising out of or in connection with this agreement shall be deemed to have arisen in New Delhi and only the courts of New Delhi shall have the jurisdiction to determine the same.

8) Notices as required by the agreement that shall be entered with the successful bidder shall be sent to the addresses as would be mentioned first therein or such other addresses as the Parties may designate from time to time, and shall be sent by certified or registered mail with acknowledgement due on receipt.

SIGNED AND SEALED AND DELIVERED BY THE

Said

Said

(Name)

(Name)

on behalf of the Contractor

on behalf of the Bank

In the presence of

In the presence of

Name:

Name

Address:

Address:

This form is included in the tender documents only for the information of the bidders. Only the successful bidder will be in due course, required to complete the form.

10. GENERAL CONDITIONS OF CONTRACT (GCC)

Except where provided for in the description of the individual items in the Schedule of quantities and in the specification and conditions laid down herein after and in the drawings, the work shall be carried as per standard specifications and under the directions of the Bank.

1) INTERPRETATION

In construing these conditions, the specifications, the schedule of quantities, tender and agreement, the following words shall have the meaning herein assigned to them except where the subject of context otherwise requires :

- i. Employer: The term employer shall denote Punjab National Bank with their Head Office at Plot No. 4, Sector 10, Dwarka, New Delhi – 110075, and any of its employees or representative authorized to act on its behalf.
- ii. The Bank: The term Bank shall mean Punjab National Bank, the Employer.
- iii. The Engineer in charge: The term means Engineer of the Bank deployed to look after the work.
- iv. Contractor: The term Contractor shall mean M/s _____ (name and address of the Contractor) and his/their heirs, legal representatives assigns and successors.
- v. Site: The site shall mean the sites indicated in this bid document where the works are to be executed as shown within boundary on the Site Plan including any building and erections thereon allotted by the employer for the Contractor's use.
- vi. Site Engineer / Bank's Representative: The Site Engineer / Bank's Representative may be appointed by the Bank. The Bank may also determine the number of Site Engineer / Bank's Representatives and the supporting staff at site office- to assist him/her and also whether the Site Engineer / Bank's Representative shall be temporary or permanent. As far as possible, the Site Engineer / Bank's Representative should assume charge of his post before the Contractor reports onsite of work. Where more than one Site Engineer / Bank's Representative is appointed, one of them shall be designated as Senior Site Engineer / Bank's Representative by the Bank and the other Site Engineer / Bank's Representative shall be reporting to the Senior Site Engineer / Bank's Representative.
- vii. Specifications and Drawings: The work is to be carried out by the Contractor in accordance with drawings, specifications, the schedule of quantities and any further drawings, which may be supplied, or any other instruction, which may be given by the Employer from time to time during the execution of the work.
- viii. Drawings relating to work given to the Contractor together with a copy of schedule of quantities are to be kept at site and Employer shall be given access to such drawings or schedule of quantities whenever necessary.
- ix. In case any detailed drawings are necessary, Contractor shall prepare such detailed drawings and/or dimensional sketches therefore and have it confirmed by the employer prior to taking up such work.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- x. The Contractor shall ask in writing for all clarifications on matters occurring anywhere in drawings, specifications and schedule of quantities or to additional instructions at least ten (10) days ahead of the time when it is required for implementations so as to enable the Employer to give a decision thereon.
- xi. "The Work" shall mean the work or works to be executed or done under this contract.
- xii. "Act of Insolvency" shall mean any act as such as defined by the Presidency Towns Insolvency Act or Provincial Insolvency Act or any Amending Statutes.
- xiii. "The Schedule of Quantities" shall mean the schedule of quantities as specified and forming part of this contract.
- xiv. Order of precedence for any ambiguity in the schedule of quantities, general conditions, special conditions, specifications and drawings for the Contractor shall be as per the decision of the Employer and the same will be binding on the Contractor, and shall be read as under in the decreasing order of importance.
 - a) Schedule of Quantities.
 - b) Drawings.
 - c) Special Conditions
 - d) General Conditions.
 - e) Standard (Technical) Specifications of Contract.
 - f) C.P.W.D specifications.
 - g) Bureau of Indian Standards specifications.
 - h) State P.W.D./General Engineering Practice.
 - i) Integrity Pact.

Any ambiguity observed shall be brought to the notice of Employer and shall be executed only after obtaining approval from the Employer. In case of any ambiguity between the above, the most stringent one shall follow.

2) SCOPE OF WORK

The work consists of **Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises** in accordance with the "Schedule of Quantities". The designing of system, liaison with local bodies / Electricity Boards / DisComs, and maintenance for a period of 5 years and allied works are within the scope of this tender. It includes furnishing all materials, labour, tools and equipment and management necessary for and incidental to the completion of the work. All work, during its progress and upon completion, shall conform to the specifications issued by the Employer. Should any detail essential for efficient completion of the work be omitted from the drawings and specifications it shall be the responsibility of the contractor to inform the Employer and to furnish and install such detail with Employer's concurrence only, so that upon completion of the proposed work the same will be acceptable and ready for use.

Employer or his representative may in their absolute discretion issue further drawings and/or written instructions, details, directions and explanations, which are, hereafter collectively referred to as "The Employer's instructions" in regard to:

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- a) The variation or modification of the design quality or quantity of works or the addition or omission or substitution of any work; or
- b) Any discrepancy in the drawings or between the schedule of quantities and/or drawings and/or specification; or
- c) The removal from the site of any defective material brought thereon by the contractor and the substitution of any other material thereof; or
- d) The demolition removal and/or re-execution of any work executed by the contractors; or
- e) The dismissal from the work of any persons employed there upon; or
- f) The opening up for inspection of any work covered up; or
- g) The rectification and making good of any defects under clauses hereinafter mentioned and those arising during the maintenance period (retention period).

The contractor shall forthwith comply with and duly execute any work comprised in such Employer's or his representative's instructions, provided always that verbal instructions, Directions and explanations given to the contractor's or his representative upon the works by the Employer or his representative shall, if involving a variation, be confirmed in writing to the contractor(s) within seven days. No works for which rates are not specifically mentioned in the priced schedule of quantities shall be taken up without written permission of the Employer or his representatives. Rates of items not mentioned in the priced schedule of quantities shall be fixed by the Employer as provided in Clause "Variation/Deviation" hereunder.

Regarding all factory made products for which ISI marked products are available, only products bearing ISI marking shall be used in the work unless otherwise specifically requested by Bank.

3) VISIT OF SITE

Intending Bidder shall visit each site, carry out necessary surveys and make himself thoroughly acquainted with the local site conditions, nature and requirements of the works, facilities of transport conditions, effective labour and materials, accesses and storage for materials and removal of rubbish. The Bidder shall provide in their bid for cost of carriage, freight and other charges as also for any special difficulties and including police restriction for transport etc. for proper execution of work as indicated in drawings. The successful Bidder will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site conditions which existed before the commencement of the work or which in the opinion of the Employer might be deemed to have reasonably been inferred to be so existing before commencement of work.

4) TENDERS

The e-tender should be submitted by bidder duly priced and also digitally signed.

The schedule of quantities shall be filled in as follows:

- i. The rates column to be filled.
- ii. The employer reserves the right to reject the lowest or any tender.

The Bank reserves the right to accept the tender in full or in part and the bidder shall have no claim for revision of rate or other conditions if his tender is accepted in parts. The bidders should note that the tender is strictly on item rate basis and their attention is drawn to the fact that the rates for each and every item should be correctly worked

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

out and self-supporting. The Employer may call upon a bidder for the detailed analysis of any or all of the rates shall be quoted/submitted by the Contractor. The Employer shall not be bound to recognize the Contractor's analysis.

The works shall be paid for as "measured work" on the basis of actual work done and not as "lump sum" contract.

All items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved directly related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charges shall be allowed in this connection. In the case of lump sum charges in the tender in respect of any item of works, the payment of such items of work shall be made for the actual work done on the basis of lump sum charges as shall be assessed to be payable by the Employer and the same shall be binding on the Contractor.

The Employer has power to add to, omit from any works as shown in drawings or described in specifications or included in schedule of quantities and intimate the same in writing to the Contractor. However, no addition, omission or variation shall be made by the Contractor in any of the works without authorization from the Employer, and any such variation by the Bank shall not vitiate the contract.

The bidder shall note that his bid shall remain open for consideration for a period of 90 days from the date of opening of the tender (Price Bid).

5) CONTACTING THE BANK

Any effort by a bidder to influence the Bank in evaluation of the bid, bid comparison or contract award decision may result in the rejection of the Bidders' bid. Bank's decision will be final and without prejudice and will be binding on all parties.

6) CLARIFICATIONS OF BIDS

The Bank to assist itself in the examination, evaluation and comparison of bids may, at its discretion, ask any bidder for a clarification. The response should be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

7) AMENDMENT OF BIDDING DOCUMENTS

At any time prior to the last Date and Time for submission of bids, the Bank at its sole discretion may, for any reason, modify the Bidding Documents through amendments. All amendments shall be uploaded on the Bank's websites (www.pnbindia.in and <https://etender.pnbnet.in>) and shall be binding on all who are interested in bidding.

In order to provide prospective Bidders a reasonable time to take into account the amendment if any, while preparing their bid, the Bank may, at its discretion, extend the deadline for submission of bids.

8) MODIFICATION AND WITHDRAWAL OF BID BY THE TENDERER

- i. Modification of the submitted bid shall be allowed on-line and the bidder may modify and resubmit the bid on-line only before the deadline of Bid Hash Preparation. For

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

modification of e-bid, bidder has to rework and upload/resubmit digitally signed modified bid on bank's e-tendering portal i.e. <https://etender.pnbnet.in>.

ii. Bids once submitted will be treated as final and no bid may be modified subsequent to the deadline for Bid Hash Preparation.

iii. No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of period of bid validity specified in tender documents. For withdrawal of bid after the end date of online bid submission, the bidder will have to make a request in writing to Tender Inviting Authority of Bank. Withdrawal of bid may be allowed till issue of work order with the following provision of penal action:

a) If the request of withdrawal is received before fixing the date for opening of price bid, the EARNEST MONEY DEPOSIT submitted by bidder will be forfeited and bidder will be debarred for 6 months from participating in tenders in Punjab National Bank. The price bid of remaining technically qualified bidders will be opened and the tender process shall go on.

b) If the request of withdrawal is received after fixing the date for opening of price bid, the EARNEST MONEY DEPOSIT submitted by bidder will be forfeited. The price bid of all technically qualified bidders including this bidder (if he found technically eligible) will be opened and action will follow as under:

c) **If the bidder withdrawing his bid is other than L-1, the tender process shall go on and bidder will be debarred for 1 year from participating in tenders in Punjab National Bank.**

d) **If the bidder withdrawing his bid is L-1, the re-tendering shall be done and the said bidder shall be debarred for 2 years from participating in tenders in Punjab National Bank.**

e) **In either of above cases, if the bidder is MSE, they shall be debarred for a period of 6 months from participating in tenders in Punjab National Bank.**

9) AGREEMENT

The successful Contractor may be required to sign agreement as may be drawn up to suit local conditions and shall pay for all stamps and legal expenses, incidental thereto.

10) RELATIONSHIP BETWEEN PARTIES:

The engagement of bidder shall not constitute the appointment of either Party as the legal representative or agent of the other Party. This engagement is on a Principal to Principal basis between the Parties hereto. No Party to this engagement shall have any right or authority to assume, create or incur any liability or any obligation of any kind, express or implied, against or in the name of or on behalf of the other Party to this Agreement except as may be specifically provided.

11) PUBLICITY

In connection with the transactions contemplated by this engagement/agreement each Party agrees that it will not use other Parties name, marks, symbols, or logos in any

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

advertising, promotional material, press release, publication, public announcement, or through other media, whether written or oral, without the prior written consent of such other Party.

12) NON-EXCLUSIVITY:

It is expressly agreed that the engagement/agreement between the parties, shall be on a non-exclusive basis. Bank reserves its right to appoint/ engage one or more contractors/ agencies/ service providers to provide the like services or/ and work concurrently during the currency of engagement.

13) GOVERNMENT AND LOCAL RULES

The Contractor shall confirm to the provisions of all local Bye-laws and acts relating to the work and to the regulations etc. of the Government and local authorities and of any company with whose system the structure is proposed to be connected. The Contractor shall give all notices required by said act, rules, regulations and Bye- laws etc. and pay all fees payable to such concerned administrative/municipal authorities for execution of the work involved. The cost if any shall be deemed to have been included in his quoted rates, taking into account all liabilities for licenses etc. He shall indemnify the employer against such liabilities and shall defend all actions arising from such claims or liabilities.

14) TAXES AND DUTIES

The bidders must include in their quoted bid prices all duties, royalties, cesses, labour cess, GST or any other taxes or local charges, as applicable. TDS shall be deducted at source and the certificate in respect of TDS shall be issued by the Bank as per rule. Any variation in taxes and duties and/or imposing any new taxes and duties during currency of contract or extended period shall be borne by the bidder. No claim whatsoever on this account shall be entertained.

Bidder may be required to raise GST invoice for individual location and against Bank's GSTIN for the respective state. The decision of Bank in this regard shall be final.

15) PROVISIONAL SUM (P.S.)

All provisional sums described in the schedule of quantities as P.S. shall be exclusively allotted to the purchase of materials and not for any handling and fixing to be done by the Contractor. Such cost of handling and fixing with profit (including transport charges if required) shall be separately included in the contract price as described in the schedule of quantities. The disposal of the amounts covered under this head shall be absolutely at the discretion of the Employer. The Contractor is liable to make payments for these materials to the suppliers on certificate or orders issued by the Employer and shall realize them through his bills from the Employer.

16) QUANTITY OF WORK TO BE EXECUTED

The quantities shown in the schedule of quantities are intended to-cover the entire work but the Employer reserves the right to execute only a part or the whole or any excess thereof without assigning any reason therefore and the same shall be binding on the Contractor.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

17) OTHER PERSONS ENGAGED BY THE EMPLOYER

The employer reserves the right to execute any part of the work included in this contract or any work which is not included in this contract by other agency or persons and Contractor shall allow all reasonable facilities and use of his scaffolding for the execution of such work.

18) TOTAL SECURITY DEPOSIT

The Total Security Deposit on the contract should be 8% of the contract amount. Total Security Deposit comprises of the following:

i) Earnest Money Deposit

The bidder will have to deposit an amount of EMD as indicated for Geographical Region as per Notice Inviting Tender. EMD to be paid in form of Account Payee Demand Draft (payable at New Delhi and drawn in favour of Punjab National Bank), Insurance Surety Bonds, Fixed Deposit Receipt, Bankers' Cheque or Bank Guarantee (including e-Bank Guarantee) (from any Scheduled Commercial Bank other than Punjab National Bank). EMD can also be paid by the bidder through RTGS/ NEFT to the following Bank Account, detailed as below:

Account Name: Imprest A/c – General Services Admin Div

Account No.: 1988002100141010

IFSC: PUNB0976200

Bank: Punjab National Bank

Bid Securities of unsuccessful bidders shall be returned within 30 days of declaration of result of technical evaluation. EMD of successful bidder be kept in sundries account of Bank and shall be returned within 30 days of recording of virtual completion of work. The employer is not liable to pay any interest on the Earnest Money.

ii) Performance Security

The successful bidder/ contractor shall submit Performance security amounting to 3% of awarded work value covering the entire period of the contract. The performance Security shall be accepted in form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Bankers' Cheque or Bank Guarantee (including e-Bank Guarantee) (from any Scheduled Commercial Bank other than Punjab National Bank) or online payment through NEFT/RTGS. The Performance security submitted in the form of Bank Guarantee (including e-Bank Guarantee) shall remain valid for claim period or a period of 90 days beyond the date of virtual completion.

iii) Retention Money

- a) The retention percentage (i.e. deduction from the interim bill) shall be 8% of the gross value of each interim bill.
- b) The maximum amount of retention money shall be 5 % of the contract value-
- c) Total Security Deposit (i.e., Performance Security + Retention money) will be refunded within 30 days after expiry of defects liability period provided he has satisfactorily carried out all the works, attended to all defects in accordance with the conditions of the Contract, including the site clearance.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

d) After completion of work, Total Security Deposit (i.e., Performance Security + Retention money) can be refunded after submitting a Bank Guarantee of equivalent amount for a time period till the end of defect liability period plus claim period. Bank Guarantee should be from any Scheduled Commercial Bank other than Punjab National Bank. Claim period would be considered as mentioned on Bank Guarantee or 3 months after the end of defect liability whichever is later.

e) Bank guarantee if any submitted by the contractor/bidder shall remain valid for a period of 90 days beyond the date of completion of all contractual obligations.

19) CONTRACTOR TO PROVIDE EVERYTHING NECESSARY

The Contractor shall provide everything necessary for the proper execution of work according to the intent and meaning of the drawings, schedule of quantities and specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from and if the Contractor finds any discrepancies therein, he shall immediately and in writing refer the same to the employer whose decision shall be final and binding.

The rates quoted against individual items will be inclusive of everything necessary to complete the said items of work within the contemplation of the contract and beyond the unit price. No extra payments will be allowed for incidental or contingent work, labour and/or materials inclusive of all taxes and duties whatsoever except for specific taxes, if any, stipulated in the tender documents.

The Contractor shall supply, fix and maintain at his own cost for the execution of work, all tools tackles, machinery and equipment and all the necessary centering, scaffolding, fencing, boarding, watching and lighting by night as well as by day required not only for the proper execution and protection of the said work but also for the protection of the public and safety of any adjacent roads, streets, walls, houses, buildings all other erections, matters and things and Contractor shall take down and remove any or all such centering, scaffolding, planking, timbering, strutting, shoring etc. as occasion shall be required or when ordered to do so and shall fully reinstate and matters and things distributed during the execution of works to the satisfaction of the Employer.

The Contractor shall at all times give access to workers by the Employer or any men employed on the buildings.

20) TIME OF COMPLETION, EXTENSION OF TIME & PROGRESS CHART

i. Time of completion

The entire work is to be completed in all respects within the stipulated period **120 Days** from the commencement date. Time is the essence of the contract and shall be strictly observed by the Contractor.

The work shall not be considered as completed until the Employer have certified in writing that work has been completed and the defects liability period shall commence from the date of such certificate.

ii. Extension of Time

If, in the opinion of the Employer the works be delayed

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- a) By reason of instruction from the employer in consequence of proceedings taken of threatened by or disputes, with adjoining or neighboring owners or
- b) By the works, or delay, of other contractors or tradesmen engaged or nominated by the Employer and not referred to in the specification or
- c) By reason of authorized extra and additions or
- d) By reason of any combination of workmen or strikes or lock-out effecting any of the building trades or
- e) From other causes which the employer may consider are beyond the control of the Contractor, the Employer at the completion of the time allowed for the contract, shall make fair & reasonable extension of the time for completion in respect therefore. In the event of the Employer failing to give possession of the site upon the day specified above the time of completion shall be extended suitably.

In case of such strikes or lock-outs, as are referred to above, the Contractor shall immediately give the Employer, written notice thereof. Nevertheless, the Contractor shall use his best endeavors all that to prevent delay, and shall do all that may be reasonably required, to the satisfaction of the Employer to proceed with the works and on his doing so that it will be ground of consideration by the Employer for an extension of time as above provided. The decision of Employer as to the period to allow for an extension of time for completion hereunder (Which decision shall be final and binding on the Contractor) shall be promulgated at the conclusion of such strike or lock-out and the employer shall then, in the event of an extension being granted, determine and declare the final completion date. *The provision in clause 20.4 with respect to payment of liquidated damages shall, in such case, be read and construed as if the extended date fixed by the employer were substituted for and the damage shall be deducted accordingly.*

iii. Progress of work

During the period of execution the Contractor shall maintain proportionate progress on the basis of a programmed chart submitted by the Contractor immediately before commencement of work and agreed to by the Employer. Contractor should also include planning for procurement for scarce material well in advance and reflect the same in the programmed chart so that there is no delay in completion of project. A Progress report of the work is to be submitted by the Contractor fortnightly in the format approved by the Employer.

iv. Liquidated Damages

Should the work be not completed to the satisfaction of the Employer within the stipulated period, the Contractor shall be bound to pay to the employer a sum calculated as given below by way of liquidated damages and not as penalty during which the work remains un commenced or unfinished after the expiry of the completion date.

The liquidated damages shall be applicable as per schedule of completion indicated in the bid document. Any delay beyond this, Punjab National Bank shall be free to terminate the contract and get the work done from an alternate source at the risk of the contractor.

21) TOOLS, STORAGE OF MATERIALS, PROTECTIVE WORKS AND SITE OFFICE REQUIREMENTS

The contractor shall provide at his own cost all artificial light required for the work to complete the work within the specified time.

The contractor shall not fix or place any placards or advertisement of any description or permit the same to be fixed or placed in or upon any boarding, gantry, building structure other than those approved by the Employer.

Protective- Measures: The contractor from the time of being placed in possession of the site must make suitable arrangements for watching, lighting and protecting the work, the site and surrounding property by day, by night, on Sundays and other holidays.

Contractor shall indemnify the Employer against any possible damage to the building, roads, or members of the public in course of execution of the work.

Storage of materials: The contractor shall maintain proper storage and adequate protection of the materials etc. and other work that may be executed on the site including the tools and materials and remove same on completion.

Tools: All kinds of survey, and measurement tools necessary on the works shall be provided by the contractor for the due performance of this contract as instructed by the Site Engineer / Bank's Representative. All measuring tapes shall be of steel and suitable scaffolding and ladders that may be required for safely taking measurement shall be supplied by the contractor.

The Site Engineer / Bank's Representative will use any or all measuring instruments or tools belonging to the contractors as he chooses for checking the works executed or being executed on the contract. The contractor should cover in his rates for making provision for all reasonable facilities for the use of his scaffolding, tools and plant etc., for their work and no claims shall be entertained afterwards by the Employer in any case whatsoever.

22) NOTICE AND PATENTS OF APPROPRIATE AUTHORITY AND OWNERS

The Contractor shall confirm to the provisions or any acts of the legislature relating to the work, and to the regulations and by-laws of any authorities, and / or any water, lighting and other companies, and / or authorities with whose system the structures were proposed to have renovated and shall before making any variation from the drawings or specifications that may be associated to so confirm, give the Employer written notice, specify the variations proposed to be made and the reasons for making them and apply for instructions thereon. The Employer on receipt of such intimation shall give a decision within a reasonable time.

The Contractors shall arrange to give all notices required for by the said acts, regulations or By- laws to be given to any authority, and to pay to such authority or to any public officer all fees that may be properly chargeable in respect of the work and lodge the receipts with the Employer.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

The Contractor shall indemnify the Employer against all claims in respect of patent rights, royalties, and damages to buildings, roads or member of public in course of execution of work and shall defend all actions arising from such claims and shall keep the Employer saved harmless and indemnified in all respects from such actions, costs and expenses.

23) CLEARING SITE AND SETTING OUR WORKS

The site shall be prepared for carrying out the works as required.

24) CONTRACTOR IMMEDIATELY TO REMOVE ALL OFFENSIVE MATTERS FROM THE SITE

The Contractor shall keep the surroundings of work places free from water, debris and excess / waste materials at his own expenses Electrical or other power driven equipment to the satisfaction of the Employer for the purpose, until the site is handed over to the Employer. The Contractor shall arrange for the disposal of the same so accumulated to the satisfaction of the Employer and the local authority and no claims will be entertained afterwards if he does not include in his rates for the purpose.

25) ACCESS

Any authorized representative of the Employer shall at all reasonable times have free access to the works and / or to the workshops, factories or other places where materials are being prepared or constructed for the work and also to any place where the materials are lying or from where they are being obtained, and the Contractor shall give every facility to the Bank or their representatives necessary for inspection and examination and test of the materials and workmanship. Except the representatives of the Employer, no person shall be allowed at any time without the written permission of the Employer.

26) MATERIALS, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS

All the works specified and provided for in the specification or which may be required to be done in order to perform and complete any part thereof shall be executed by the Contractor in the best and most workman like manner with materials of the best and approved quality of the respective kinds in accordance with the particulars contained in and implied by the specifications and as represented by the drawings or according to such other additional particulars and instructions as may from time to time be given by the Employer during the execution of the work, and to his entire satisfaction.

If required by the Employer the Contractor at his own cost shall have to carry out tests on materials and workmanship in approved materials testing laboratories or as prescribed by the Employer to prove that the materials etc. under test confirming to the relevant IS standards or as specified in the specifications. The necessary charges for preparation of sample, transporting, testing etc. shall have to be borne by the Contractor. No extra payment on this account would in any case be entertained by the Employer.

All the materials (except where otherwise described) stores and equipment required for the full performance of the work under the contract must be provided through normal channels and must include charge for import duties, sales taxes, octroi, GST

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

and other charges and must be the best of their kind available and contractors must be entirely responsible for the proper and efficient carrying out of the work. The work must be done in the best workman like manner. Samples of all materials to be used must be submitted to the Employer when so directed by the Site Engineer / Bank's Representative and a written approval from Employer must be obtained prior to placement of order of such materials.

During the inclement weather the Contractor shall suspend works for such times as the Employer may direct and shall protect from damage all work during course of execution. Any damage (during execution and warranty) to any part of the work for any reason due to rain, storm or neglect of Contractor shall be rectified by the Contractor in an approved manner at no extra cost to the Bank.

Should the work be suspended by reason of rain, strike, lock-outs or any other cause, the Contractor shall take all precautions necessary for the protection of work and at his own expense shall make good any damage arising from any of these causes.

The Contractor shall cover up and protect from damage, from any cause, all new work and supply all temporary doors, protection to windows, and any other requisite protection for the execution of the work whether by himself or special tradesmen or sub-Contractor and any damage caused must be made good by the Contractor at his own expenses.

Contractor to carry out all mandatory tests as per CPWD specifications besides the tests required to be done as ordered and desired by the Bank to prove that quality of material conforms to tender provisions. Cost of such tests shall be borne by the contractor and no extra payment in this regard shall be payable.

27) REMOVAL OF IMPROPER WORK

The Employer shall during the progress of the work have power to order in writing from time to time the removal of any materials etc. from the work within such reasonable time or times as may be specified in the order which in the opinion of the Employer are not in accordance with specification or instructions. The employer shall have the said powers in case of the substitution or proper re-execution of any work executed with materials or workmanship is not in accordance with the drawings and specifications or instructions. In case the Contractor refuses to comply with the order the Employer shall have the power to employ and pay other agencies to carry out the work and all expenses consequent thereon or incidental there to as certified by the Employer. Such expenses or costs paid by the Employer shall be borne by the Contractor or may be deducted from any money due to or that may become due to the Contractor.

28) SITE ENGINEER / BANK'S REPRESENTATIVE

The term "Site Engineer / Bank's Representative" shall mean the person posted at site by Employer to superintend the work. The Contractor shall afford the Site Engineer / Bank's Representative every facility and assistance for examining the works and materials for checking and measuring work and materials. The Site Engineer / Bank's Representative shall have no power to revoke, alter, enlarge or relax any requirements of the Contractor or to sanction any day work, additions, alterations, deviations, or

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

omissions or any extra work whatever, except in so far as such authority may be specially conferred by a written order of the Employer.

The Site Engineer / Bank's Representative shall have power to give notice to the Contractor or to his foreman of non- approval of any work or materials and such work shall be suspended or the use of such materials shall be discontinued until the decision of the Employer is obtained. The work will from time to time be examined by the Engineer from the premises department of the Employer and the Site Engineer / Bank's Representative, if any, but such examination shall not in any way exonerate the contractor from the obligation to remedy and defects which may be found to exist at any stage of the work or after the same is complete. Subject to the limitations of this clause, the Contractor shall take instruction only from the Employer.

29) CONTRACTOR'S EMPLOYEES

The Contractor shall employ technically qualified and competent supervisors for the work who shall be available (by turn) throughout the working hours to receive and comply with instructions of the Employer. The Contractor shall engage at least one experienced Engineer as Site-in-Charge for execution of the work. The Contractor shall employ in connection with the work persons having the appropriate skill or ability to perform their job efficiently.

The Contractor shall employ local labourers on the work as far as possible. No labourer below the age of eighteen years and who is not an Indian national shall be employed on the work. Any Labourer supplied by the Contractor to be engaged on the work on day work basis either wholly or partly under the direct order or control of the Employer or his Representatives, shall always be deemed to be a person employed by the Contractor.

The Contractor shall maintain relevant records and comply with the provisions of all applicable labour legislations, rules and regulations framed thereunder, both state and central, including but not limited to the requirements of:-

- a. The Payment of Wages Act
- b. Employer's Liability Act
- c. Workmen's Compensation Act
- d. Contract labour (Regulation 7 Abolition) Act, 1970 and Central Rules 1974
- e. Apprentices Act 1961
- f. Minimum Wages Act 1948.
- g. Industrial Disputed Act. 1947.
- h. Maternity Benefit Act 1961.
- i. ESI Act.
- j. Payment of Bonus Act.
- k. Payment of Gratuity Act.
- l. The Employees' Provident Funds and Miscellaneous Provisions Act, 1952
- m. Any other Act are enactment relating thereto and rules framed there under from time to time.

The Contractor shall keep the Employer saved, harmless and indemnified against all the claims under applicable labour laws or otherwise, if any, of the workmen or any other person and all costs and expenses as any be incurred by the Employer in connection with any claim that may be made by any workman or any other person.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

The successful bidder shall be responsible for settling any claim / compensation against any and all damages and accidents caused due to negligence on the part of his employees/workers engaged by it for fulfilling the obligations under this agreement and keep Bank indemnified from any compensation / liability.

Bank shall not be responsible for any violation by the Contractor on the above mentioned acts/ rules. The Contractor shall be wholly/ solely responsible for any claim in the above referred subjects

The contractor shall be responsible for all statutory provisions and deductions towards ESI, PF or any other applicable Labour Laws, as the case may be or any other levies and taxes shall be borne by the contractors.

The contractor shall be responsible for payments of all statutory dues with respect to each of his personnel/employees engaged by him to render service under this Agreement with respect to each applicable/extant labour law. No dues/contributions under any labour legislations as applicable, remain payable by the Employer with respect to his personnel/employees, and the contractor shall produce all records to the Engineer-in-charge or any other statutory authority as and when called for. The Engineer- in-charge does not hold any responsibility on account of any lapses in this regard. The contractor shall submit an undertaking in this regard with each bill confirming payment of all dues of sub-contractors and all statutory wages to labour working under him/her/sub-contractor.

Bank shall not be held responsible for any penalty on failure of the any Labour Regulations. Bank shall have the power to inspect the Wage Register and for physical verification of salary paid to the staff with reference to any records of the Contractor and to insist the Contractor to comply with Laws.

The Contractors shall arrange to provide first-aid treatment to the labourers engaged on the works. He shall within 24 hours of the occurrence of any accident at or about the site or in connection with execution of the works, report such accident to the employer and also to the competent authority where such report is required by law.

30) DISMISSAL OF WORKMEN

The Contractor shall in the request of the Employer immediately dismiss from works any person employed thereon by him who may in the opinion of the Employer be unsuitable or incompetent or who may misconduct himself. Such discharges shall not be the basis of claim for compensation or damages against the Employer or any of its officers or employee.

31) ASSIGNMENT

The whole of the works included in the contract shall be executed by the Contractor and the Contractor shall not directly or indirectly transfer, assign or sublet the Contract or any part, share or interest therein nor, shall take a new partner without written consent of the Employer and no subletting shall relieve the Contractor from the full and entire responsibility of the contract or from active superintendence of the work during their progress.

32) PROTECTION OF WORKS AND PROPERTY

The contractor shall continuously maintain adequate protection of all his work from damage and shall protect the Punjab National Bank's properties from injury or loss arising in connection with the contract. He/ She shall make good any such damage, injury, loss, except due to causes beyond his control and due to his fault or negligence.

He/ She shall take adequate care and steps for protection of the adjacent properties. The contractor shall take all precautions for safety and protection of his temporary / permanent / contract employees/workers engaged on the works and shall comply with all applicable provisions of state/central Government and local bodies including all applicable safety laws and building codes to prevent accidents, or injuries to persons or property of about or adjacent to the place of work.

The Contractor shall be responsible for all injury to the worker or workmen or persons, animals or things and for all damages to the project works, materials, equipment, structural and / or decorative part of property which may arise from the operations or neglect of himself or employees/workers whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract.

The clause shall be held to include inter-alia any damage to buildings whether immediately adjacent or otherwise and any damage to roads, streets, foot paths or ways as well as damages caused to the buildings and the works forming the subject of this contract by rain, wind or other inclemency of the weather.

The Contractor shall reinstate, rectify and remedy all damages of every sort mentioned in this clause so as to deliver the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damages to the property or third party.

33) DAMAGE TO PERSONS AND PROPERTY

The Contractor shall be responsible for all injury to the worker or workmen or persons, animals or things and for all damages to the project works, materials, equipment, structural and / or decorative part of property which may arise from the operations or neglect of himself or employees whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract.

The clause shall be held to include inter-alia any damage to buildings whether immediately adjacent or otherwise and any damage to roads, streets, foot paths or ways as well as damages caused to the buildings and the works forming the subject of this contract by rain, wind or other inclemency of the weather. The Contractor shall indemnify the Employer and hold harmless in respect of all and any expenses arising from any such injury or damages to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts of compensation or damage consequent upon such claim.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

The Contractor shall reinstate, rectify and remedy all damages of every sort mentioned in this clause so as to deliver the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damages to the property or third party.

34) INSURANCE

Unless otherwise instructed the Contractor shall insure the works for all risk (include fire & third party) of the Contractor for 125% of the total tender value (against the sites allocated) in the joint names of the Punjab National Bank and the contractor (the name of Punjab National Bank placed first in the policy) and keep them insured until the virtual completion of the contract against any loss or damage of the material and of project. The insurance must be placed with a company approved by Punjab National Bank for such amount and for any further sum if called to do so by Punjab National Bank. The premiums of such further sum being allowed to the Contractor as an authorized extra. The Contractor shall deposit the policy and receipt of premium paid with Punjab National Bank within three (3) days from the date of issue of work order unless otherwise instructed.

In default of the Contractor insuring as provided above, Punjab National Bank on its behalf may so insure and may deduct the premiums paid from any money due, or which may become due to the Contractor. The Contractor shall as soon as the claim under the policy is settled or the work reinstated by Insurance Company should they elect to do so, proceed with due diligence with the completion of the works in the same manner as though the fire has not occurred and in all respects under the conditions of the contract. The Contractor in case of rebuilding or reinstatement after fire shall be entitled to extension of time for completion, as the Employer may deem fit.

35) ACCOUNTS RECEIPT & VOUCHERS

The Contractor shall, upon the request of the Employer furnish them with all the invoices, accounts, receipts and other vouchers that they may require in connection with the works under this contract. If the Contractor shall use materials less than what he is required under the contract, the value of the difference in the quantity of the materials he was required to use and that he actually used shall be deducted from his dues. The decision of the Employer shall be final and binding on the Contractor as to the amount of such materials. The Contractor is required to use for any work under this contract.

36) MEASUREMENTS

Before taking any measurement of any work the Site Engineer / Bank's Representative or a subordinate deputed by him shall give reasonable notice to the Contractor. If the Contractor fails to attend at the measurements after such notice or fails to countersign or to record the difference within a week from the date of measurement in the manner required by the Site Engineer / Bank's Representative then in any such event the measurements taken by the Site Engineer / Bank's Representative or by the subordinate deputed by him as the case may be is final and binding on the Contractor and the Contractor shall have no right to dispute the same.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

37) PAYMENTS

All bills shall be prepared & submitted by the Contractor. The bills in proper forms must be duly accompanied by detailed measurements in support of the quantities of work done and must show deductions for all previous payments, retention money etc. The bill shall be checked at site by Site Engineer / Bank's Representative who shall issue a certificate after due scrutiny of the Contractor's bill which may be further verified by the Employer and the Contractor shall be entitled to payment thereof within the period of honouring certificates named in these documents, as per final verified amount by the Employer. Payments shall be made in accordance with Section-13 "Time Schedule of Completion". In case of delay in payment after installation of system, an Adhoc advance of 75% of the billed amount /assessed work done may be paid on the request of the Contractor for the smooth progress of work at the sole discretions of the Bank.

The amount as stated in an interim certificate shall be the total value of work properly executed less the amount to be retained by the Employer as retention Money vide clause 18 of these conditions and less installments previously paid under these conditions, provided that such certificate shall only include the value of said material and goods as and from such time as they are reasonably, properly and not prematurely brought to or placed adjacent to the work and then only if adequately protected against weather or other casualties.

The Employer will deduct retention money as described in Clause 18 (iii) of these Conditions. The refund of retention money will be made as specified in the said clause.

If the Employer had supplied any materials or goods to the Contractor, the cost of any such materials or goods will be progressively deducted from the amount due to the Contractor in accordance with the quantities consumed in the work.

All the interim payments shall be regarded as payment by way of advance against the final payments only and not as payments for work actually done and completed and shall not preclude the requirement of bad or unsound or imperfect or unskilled work to be removed and taken away and be reconstructed or re-erected or to be considered as an admission of the due performance of the contract or any part thereof in any respect or the accruing of any claim. Any interim payments shall not conclude determine or affect in any way the powers of the Employer under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way to vary or affect the contract. The final bill shall be submitted by the Contractor within one month of the date fixed for completion of the work or of the date of certificate of virtual completion furnished by Employer and payment shall be made within 30 Days.

38) FINAL PAYMENTS

The period of Final Measurements will be one (1) Month from date of Completion. The final bill shall be accompanied by a certificate of completion from the Employer, payments of final bill shall be made after deduction of Retention Money as specified in clause 18 of these condition, which sum shall be refunded after the completion of the Defects liability period and rectification of defects to the entire satisfaction of the Employer. The acceptance of payments of the final bill by the Contractor would indicate that he would have no further claim in respect of the work executed.

39) VARIATION / DEVIATIONS

The Contractor may when authorized and shall, when directed in writing by the Employer add or omit, or vary the works shown in the drawings or described in the specifications or included in the priced schedule of the quantities. The Contractor on his own accord shall make no addition omission or variation without such authorization or direction of the Employer. A verbal authorization or direction by the Employer shall when confirmed correctly by the Contractor in writing within 3 days shall be deemed to have been given in writing.

The Contractor shall send to the Employer once in every month a statement giving particulars, as full and as much detailed as possible, of all claims for any additional payment to which the Contractor may consider himself entitled and of all extra or additional works ordered by the Employer which he has executed during the preceding month.

No interim claim for payment for any such work or expense, will be considered which has not been included in such a statement provided always that the Contractor shall be entitled after taking Employer's sanction to authorize payment to be made for any such work or expense, notwithstanding the Contractor's failure to comply with this condition.

The rates for additional, altered substituted work shall be arrived at in accordance with the following rules:-

- i. The net rates or prices in the contract schedule shall determine the valuation of (the rates for) the extra work (items) where such extra work is of similar character and is executed under similar conditions as the work prices mentioned therein.
- ii. If the rates for the extra altered or substituted or (deviated) work are not provided for (available) in the schedule of quantities, they shall, to the extent possible be derived out of rate given in that schedule for similar or near similar items. For the purpose of such deviation, where necessary and when so directed, the Contractor shall furnish detailed analysis for the said similar or near similar items in the contract schedule. For such portions of the analysis, for the extra, altered or substituted (deviated) work for which prices cannot be abstracted from the corresponding analysis of rates for the said similar or near similar items in the contract schedule, market rates sustained by purchase bill / vouchers dependable printed price schedule of materials of different type shall be adopted, using factors and constant for quantum of materials, labour, T&P and sundries, from standard analysis of rates adopted by the CPWD, and adding 15% towards profit & overheads and taxes and multiplied by (total quoted tendered amount divided by estimated cost put to tender). When called upon to do so, the Contractor shall submit the required purchase bills / vouchers.
- iii. In respect of contract which incorporates more than one schedule, the rate applicable in case (i) above if not provided for in the Schedule pertaining to the work in which the addition, alteration or substitution (deviation) occurs shall be taken as the lowest applicable rate in other schedules. Similarly in case (ii) above if similar in near similar items cannot be found in the schedule pertaining to the work in which the addition, alteration or substitution (deviation) occurs, similar or near similar items from the other schedule shall be adopted.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- iv. In the case of additional, altered substituted (deviated) for which rates cannot be reasonably be derived as at (ii) and (iii) above, the rates shall be worked out adopting market prices, substantiated by purchase bills / vouchers using factors and constants for quantum of materials, labour, T&P and sundries from standard analysis of rates adopted by the CPWD and adding 15% towards profit & overheads and taxes and multiplied by (total quoted tendered amount divided by estimated cost put to tender). When called upon to do so the Contractors shall submit his purchase bills / vouchers to the Employer.
- v. The question as to what particular items, being similar or near similar to the additional, altered or substituted (deviated) work in the contract schedule are to be adopted for deviation of rates for the additional, altered for substituted deviated work and whether the said rates cannot be derived from similar or near similar items in the contract schedule shall be decided by the Employer and the same shall be binding on the Contractor.
- vi. In case (ii) to (iv) the Contractor is required to submit his analysis of rates adopting the principles enunciated, after scrutinizing the analysis any other papers furnished will allow such rates as he considers reasonable after obtaining Employer's sanctions.
- vii. Where extra work is of such a nature that it cannot be properly measured or valued, the Contractor shall be allowed day work priced at the net rates stated in the tender or the priced schedule of quantities or if not so stated then in accordance with the minimum local day work rates and wage for the district notified by the concerned authority provided that in either case if required by the Employer, vouchers, muster rolls and other documents, required for proper verification of the labour employed and the materials deployed on the said work and the costs thereof be delivered to the Site Engineer / Bank's Representative or his representative on or before the end of the week following that in which work has been executed.
- viii. The question as to whether extra work is of such nature that it cannot be properly measured or valued will be decided by the Employer. The margin to be allowed on actual costs to the Contractor towards profit and overhead shall be 15% and taxes and multiplied by (total quoted tendered amount divided by estimated cost put to tender).

40) DEVIATION FOR TENDER QUANTITIES UPTO 25% & ABOVE 25%

The tender rates shall hold good for any increase in the tendered quantities up to variation of 25%. In case tender quantities of an individual item exceeds the deviation limit of 25% the rates for the excess quantities over and above the deviation limit shall be payable as per market rates analysis or quoted rates in tender, whichever is lower. The market rates analysis sustained by purchase vouchers / bill using constant only of materials, Labour, T&P etc. from all Indian Standard analysis of rates published by Delhi Analysis of Rates with 15% towards Contractors profit. & Overheads and taxes and multiplied by (total quoted tendered amount divided by estimated cost put to tender).

41) SUBSTITUTION

Should the Contractor desire to substitute any materials and workmanship, he/they must obtain the approval of the Employer in writing for any such substitution well in advance. Materials designated in this specification indefinitely by such terms as

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

"Equal" or "other approved" etc., specific approval of the Employer has to be obtained in writing. The rate of substitution item shall be calculated as per market rate analysis, sustained by purchase vouchers / bill using constant only of materials, labour, T&P etc. from all Indian Standard analysis of rates published by CPWD with 15% towards Contractors profit & Overheads and taxes and multiplied by (total quoted tendered amount divided by estimated cost put to tender).

42) PREPARATION OF WORKS FOR USE ON COMPLETION

The whole of the work will be thoroughly inspected by the Contractor and deficiencies and defects put right. On completion of such inspection and Contractor shall inform the Employer that he has completed the work and it is ready for inspection.

On completion, the Contractor shall clean all equipment. He will leave the entire installation neat and clean and ready for immediate use and to the satisfaction of the Bank.

43) CLEARING SITE ON COMPLETION

On completion of the works, the Contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workman like condition to the satisfaction of the Employer.

44) DEFECTS AFTER COMPLETION

The defects liability period (D.L.P.) shall commence from the certified date of Virtual Completion issued by the Employer for each site. The Contractor shall make good at his own cost and to the satisfaction of the Employer all defects, other faults which may appear within sixty (60) Months after completion of the work. In default, the Employer may employ and pay other persons to amend and make good such damages, losses and expenses consequent thereon or incidental thereto shall be made good and borne by the Contractor and such damages, losses and expenses shall be recoverable from him by the employer or may be deducted by the Employer, in lieu of such amending and making good by the Contractor, deduct from any money due to the Contractor a sum equivalent to the cost of amending such work and in the event of the amount retained being insufficient, recover that balance from the Contractor from the amount retained under clause no. 18 together with any expense the Employer may have incurred in connection therewith.

45) CONCEALED WORK

The Contractor shall give due notice to the Employer whenever any work is to be buried in the earth, concrete or in the bodies of walls or otherwise becoming inaccessible later on, in order that the work may be inspected and correct dimensions taken before such burial, in default whereof the same shall, at the option of the employer be either open up for measurement at the Contractor's expense or no payment may be made for such materials. Should any dispute or difference arise after the execution of any work as to measurements etc., or other matters which cannot be conveniently tested or checked, the notes of the Employer shall be accepted as correct and binding on the Contractor.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

46) WATCH AND LIGHTING

The Contractor shall provide and maintain at his own expense all lights, guards, fencing and watching when and where necessary or required by Employer for the protection of the works or for the safety and convenience of those employed on the works or the public.

47) CONTROL RECORDS

The under noted record books at the site of work shall be maintained in addition to normal routine requirements by the Contractor at all times which shall be made accessible to the Employer as and when required by it:

- a. Work site order book.
- b. Instruction by Bank's officers.
- c. Test registers of other materials / fittings fixtures equipment as stipulated in the tender.
- d. Register of drawings and working details.
- e. Log book of defects.
- f. Hindrances register giving details of commencement and removal of each hindrance.
- g. Dismantled materials account register.
- h. Specifications of C.P.W.D. & I.S.I. as applicable to the contract.

These registers are required to be signed by the Site Engineer / Bank's Representative.

48) SECURITY ARRANGEMENT

The following arrangement shall be ensured by the Contractor:

- i. Proper arrangements to keep all records under lock and key.
- ii. Watch and ward and security of materials; and
- iii. Movement of material and stores, shall be through Bank gate pass only.

When the work is completed to the satisfaction of the Employer and handed over to the Bank, the responsibility of proper security arrangement then shall rest with the Bank.

49) HANDING OVER BUILDING / PROJECT WORK TO THE EMPLOYER

All the handing and taking over report and inventories / statement shall be prepared in quadruplicate. Such reports and inventories shall be signed by:

- i. The Contractor (only the relevant papers).
- ii. The Site Engineer / Bank's Representative, and
- iii. Competent Authority in the Bank.

The following inventories / statements shall be prepared:

- i. Inventory of all equipments; and
- ii. Information folders & test reports for installations and as built drawings.

The Engineer on behalf of the Employer associated with this operation, shall be apprised of the importance to carry out periodic inspections (at two months interval) for defects not rectified or fresh ones that crop up and issuing notice for their rectification to the concerned Contractors and the final inspection just before the expiry of the defects liability period.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

50) SAFETY CODES

i) SCAFFOLDING

- a. Suitable scaffolds shall be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except in the case of short duration work which can be done "safely from ladders" when a ladder is used, it shall be of rigid construction made either of good quality wood or steel. The steps shall have a minimum width of 450 mm and a maximum rise of 300 mm. Suitable hand hold of good quality wood or steel shall be provided and the ladder shall be given an inclination not steeper than 1/4 to 1 (1/4 horizontal and 1 vertical).
- b. Scaffolding or staging more than 4M, above the ground floor, swung or suspended from an overhead support or erected with stationery support shall have a guard rail properly bolted, braced or otherwise secured, at least 1M, above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such openings as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
- c. Working platforms, gangways and stairway shall be so constructed that they do not sag unduly or unequally and if the height of the platform, gangway or stairway is more than 4m, above ground level or floor level, they shall be closely boarded and shall have adequate width and be suitably fenced as described in (ii) above.
- d. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be 1M.
- e. Where ever there are open excavations in ground, they shall be fenced off by suitable railing and danger signals installed at night so as to prevent persons slipping into the excavations.
- f. Safe means of access shall be provided to all working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9M, in length while the width between side rails in rung ladder shall in no case, be less than 290 mm, for ladder up to and including 3M, in length for longer ladders this width shall be increased at least 20 mm for each additional meter of length.
- g. A sketch of the ladders and scaffolds proposed to be used shall be prepared and approval of the Engineer obtained prior to erection.

ii) OTHER SAFETY MEASURES

- a. All personnel of the Contractor working within the site shall be provided with safety helmets. All welders shall wear welding goggles while doing welding work and all metal workers shall be provided with safety gloves. Persons employed on metal cutting and grinding shall wear safety glasses.
- b. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites of work shall be so stacked or placed as to cause danger or inconvenience to any person or the public.

iii) DEMOLITION/DISMANTLING

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Before any demolition/dismantling work is commenced and also during the process of the work:

- a.No electric cable or apparatus which is liable to be a source of danger over a cable or apparatus used by the operator shall remain electrically charged.
- b.All practical steps shall be taken to prevent danger to persons employed from the risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so over-loaded with debris or materials as to render it unsafe.

iv) PERSONAL SAFETY EQUIPMENTS

All necessary personal safety equipment as considered adequate by the Engineer including but not limited to the following should be kept available by the Contractor for the use of person/ workers employed/engaged on the site and maintained in a condition suitable for immediate use, and the Contractor should take adequate steps to ensure proper use of equipment by those concerned.

- i.Those engaged in white washing and mixing or stacking or cement bags or any materials, which are injurious to the eyes, shall be provided with protective goggles.
- ii.Those engaged in welding works shall be provided with welder's protective eyesight lids.
- iii.The Contractor shall not employ men below the age of 18 years and women on the work of painting with products containing lead in any form. Wherever men above the age of 18 years are employed on the work of lead painting, the following precaution should be taken:
 - a) No paint containing lead or lead products shall be used except in the form of paste or ready- made paint.
 - b) Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint dry rubbed and scrapped.
 - c) Overalls shall be supplied by the Contractor to the workmen and adequate facilities shall be provided, to enable the working painters during the execution of work.

When the work is done near any public place where there is risk of drowning all necessary equipments should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision should be made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.

51) RIGHTS OF TECHNICAL SCRUTINY BY CHIEF TECHNICAL EXAMINER

The work is liable to be technically audited by the Chief Technical Examiner of the Central Vigilance Commission, Government of India from time to time. Any defects, improvements or testing etc. pointed out by the Chief Technical Examiner should be carried out by the Contractor at his own cost and any deduction suggested by the CTE will be affected.

The Employer shall have a right to cause a technical examination and audit of works and the final bills of the Contractor including all supporting vouchers, abstract etc. to be made at the time of payment of the final bill. If as a result of this examination or otherwise any sum is found to have been over paid in respect of any work done by the Contractor under the contract the Contractor shall be liable to return the amount of over payment and it shall be lawful for the Employer to recover the same from him from any sum or sums due to him and in any other manner legally permissible and if it is found that the Contractor was paid less than what was due to him under the

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by the Employer.

Any sum of money due and payable to the Contractor (including Security Deposit returnable to him) under this contract may be appropriated by the Employer and set off against any claim of the Employer of the payment of a sum of money arising out of or under any other contract made by the Contractor with Employer.

52) IDLE LABOUR

Whatever the reasons may be, no claim for idle labour, additional establishment cost of hire and labour charges of tools and plants would be entertained under any circumstances by the Employer and the decision of the Employer shall be binding on the Contractor.

53) FORCE MAJEURE

Any failure or delay by bidder or Bank in performance of its obligations, to the extent due to any failure or delay caused by fire, flood, earthquake or similar elements of nature, or acts of God, war, terrorism, riots, civil disorders, rebellions or revolutions, acts of governmental authorities or other events beyond the reasonable control of non-performing Party, is not a default or a ground for termination.

Such events may include, but are not restricted to, war or revolution and epidemics. If a force majeure situation arises, the Contractor shall notify within 2 days the Bank in writing of such condition and the cause thereof. Unless otherwise directed by the Bank in writing, the Contractor shall continue to perform its obligation under the contract to the extent possible mitigate the consequences of the force majeure event and make all necessary alternative arrangements to perform their obligations and accordingly , and shall seek all alternative means of performance not prevented by the force majeure event.

Provided further that in case of delay of Services, which shall be solely decided by the Bank, the Bank shall not be held liable for non-performance of its obligations under the Agreement and the Bank shall have the right to terminate this Agreement without giving any further notice to the Vendor. Further, Bank also reserves the right to assign the work to other Vendor without any consequences and claims at the risk and cost/responsibility of the contractor.

54) SUSPENSIONS

If the Contractor, except on account of any legal restraint upon the Employer preventing the continuance of the work, abandons, suspends work or in the opinion of the Employer, the Contractor neglects or fails to proceed with due diligence in the performance of his part of the contract, the Employer shall have the power to give notice in writing to the Contractor requiring the work be proceeded within a reasonable manner and with reasonable dispatch, such notices purport to be a notice under this clause.

After such a notice is served upon the Contractor, , the Contractor shall not be at liberty to remove from the site of the works or from any ground contiguous thereto any plant or materials , and such an obligation shall subsist from the date of such a notice being served until the notice be complied with by the Contractor. If the Contractor fails s to comply with such a notice for a period of 7 (seven) days to proceed with the works as

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

therein prescribed, the Employer may proceed as provided in clause 59 (Termination of contract by Employer).

55) DELINQUENCIES OF CONTRACTORS

The under noted delinquencies/ defaults/ misconduct/ misdemeanors on the part of bidder or enlisted contract will attract disciplinary action in accordance with the clause 57 mentioned herein below:

- i. Incorrect information about credentials, about his performance, equipment, resources, technical staff etc.
- ii. Non-submission of the fresh/ latest Income Tax Clearance certificate.
- iii. Irregular tendering practice.
- iv. Submission of tender containing for too many arithmetical errors and freak rates.
- v. Revocation of a tender without any valid reasons.
- vi. Tardiness in commencing work.
- vii. Poor organization at site & lack of his personal supervision.
- viii. Ignoring Employer's Notices for replacement/ rectification of rejected materials, workmanship etc.
- ix. Violation of any of the important conditions of contract, i.e. site facilities, insurance, labour laws, ban on subletting etc.
- x. Lack of promptitude and co-operation in measurement of work and settlement of final account.
- xi. Non-submission of vouchers and proofs of purchase etc.
- xii. Tendency towards putting up - false and untenable claims.
- xiii. Tendency towards suspension of work for frivolous reasons.
- xiv. Bad treatment of labour.
- xv. Bad treatment of Sub-Contractors (piece workers) and un-business like dealing with suppliers of materials.
- xvi. Lack of co-operation with nominated Contractors or Employer's Labour.
- xvii. Contractor becoming Bankrupt or insolvent.
- xviii. Contractor's conviction by any court of law.
- xix. Failure to satisfactorily rectify defects during Defects Liability period (DLP) and discovery of latent defects in Contractors work after the expiry of DLP of his contract.

56) DISCIPLINARY ACTION AGAINST (DELINQUENCIES OF) CONTRACTOR.

The award of the under noted disciplinary action shall be considered:

- i. Placing of an embargo on the issue of tenders or temporary suspension from the Employer's approved list.
- ii. Permanent ban on issue of tenders & removal from the Employer's approved list.
- iii. Circulation of the Contractor name to other public Undertaking or Government Department or concerned regulatory authorities of Contractor, if any, for non-entertainment of this publication for contract work.
- iv. Debarment:
 - a. In case MSE bidder refuses to take up the contract/dishonour the contract, that MSE contractor /vendor may be debarred from participating in the tenders for next six months. Non MSE Bidders shall be debarred for a period of 2 years.
 - b. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years along with such other actions as may be permissible under law.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

c. A bidder can also be debarred for any actions or omissions by the bidder which in the opinion of the competent authority of Bank, warrants debarment, for the reasons like supply of sub-standard material, non-supply of material, abandonment of works, sub-standard quality of works

57) TERMINATION OF CONTRACT BY EMPLOYER

In the following circumstances/ events, the contract shall be terminated by the Employer:-

- I.If the Contractor being a company goes into liquidation whether voluntary or compulsory; or
- II.Being a firm, stand dissolved; or
- III.If the official assignee in insolvency or receiver of the contractor in insolvency, repudiates the contract; or.
- IV.If receiver of the contractor's firm appointed by the court shall be unable to, within 14 days after notice to him requiring him to do so, to show to the reasonable satisfaction of the employer that he is able to carrying out and fulfill the contract and if so required by the employer to give reasonable security therefore.
- V.If the contractor:
 - a) Suffers execution to be issued;
 - b) Suffers any payment under this contract to be attached by or on behalf of and of the creditors of the Contractor;
 - c) Assigns, charges or encumbers this contract or any payment due or which become due to the contractor hereunder
 - d) Neglects or fails to observe and perform all or any of the acts, matters of things by this contract, to be observed and performed by the Contractor within three clear days after the notice shall have been given to the Contractor in manner hereinafter mentioned requiring the Contractor to observe or perform the same
 - e) Uses improper materials or workmanship in carrying on the works
 - f) In the opinion of the Employer does not exercise such due diligence and make such due progress as would enable the work to be completed within due time agreed upon, and fails to proceed to the satisfaction of the Employer after three clear days' notice requiring the Contractor so to do shall have been given to the Contractor as hereinafter mentioned,
 - g) Breaches any of the conditions of the contract in any of the abovesaid cases or otherwise;
 - h) Any threat is perceived or observed on the security of Bank's data / property out of any action by the staff deployed for monitoring / configuration etc., by service provider.

The Bank may notwithstanding previous waiver determine the contract by a notice in writing to the effect as hereinafter mentioned, but without thereby effecting the powers of the Employer & the obligations & liabilities of the contractor the whole of which shall continue in force as fully as if the contract, had not been so determined and as if the works subsequently executed had been executed by or on behalf of the contract (without thereby creating any trust in favour of the contractor).

Further the Employer or his agent, or servant:

- i.may enter upon and take possession of the work and all plants, tools, scaffoldings, sheds, machinery, steam and other power utensils and materials lying upon premises or the adjoining lands or roads and sell the same as his own property;

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- ii. may employ the same by means of his own servants and workmen in carrying on and completing the works;
- iii. by employing any other Contractors or other persons or person to complete the works and the Contractor shall not in any way interrupt or do any act, matter of thing to prevent or hinder such other Contractors or other persons or persons employed for completing and finishing or using the materials and plants for the works.

When the works stands completed, or as soon thereafter as conveniently may be, the Employer shall give notice in writing to the Contractor to remove his surplus materials and plants, and should the Contractor fail to do so within a period of fourteen (14) days after receipt of the notice by him, the Employer may sell the same by public auction and shall give credit to the Contractor for the amount so released.

Any expenses or losses incurred by the Employer in getting the works carried out by other Contractors shall be adjusted against the amount payable to the Contractor by way of selling his tools and plants, or due on account of work carried out by the Contractor prior to engaging other Contractors or against the Security Deposit.

58) DISPUTES AND ARBITRATION:

All disputes or differences, whatsoever, arising between the parties out of or in relation to the terms and conditions, meaning and operation or effect of this Agreement or breach thereof shall be settled amicably.

In case they are not able to settle the disputes or differences between them amicably, the matter may be referred to a sole arbitrator mutually agreed upon after issue of at least thirty (30) days' notice in writing to the other party clearly setting out there in the specific disputes and the same shall be settled by arbitration in accordance with the Indian Laws relating to arbitration, i.e. in accordance with the provision of the Indian Arbitration and Conciliation Act, 1996 and Rules and Regulations framed thereunder including all amendments up to date and the award made in pursuance thereof shall be binding on the parties. The matter may be referred to a sole arbitrator nominated by the Bank, who shall give a reasoned award and the award made in pursuance thereof shall be binding on the parties.

The venue of arbitration shall be at Delhi.

All arbitration proceeding shall be conducted in English and a daily English record of such proceeding shall be maintained.

Any appeal against the arbitration award will be subject to the jurisdiction of courts at Delhi only.

The Contractor shall continue to work under the work Contract during the arbitration proceedings unless otherwise directed in writing by the bank, unless the matter is such that the works/services cannot possibly be continued until the decision of the arbitrator or of the presiding arbitrator, as the case may be, is obtained.

However during such a contingency, the Bank shall be entitled to make alternative arrangements to tackle the situation in any manner it deems fit, at the cost of the

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Vendor which may also be adjusted by the Bank from the Performance Bank Guarantee, being treated as default so that the business of the Bank is not disrupted.

59) EXCEPTED MATTERS FROM ARBITRATION

If the dispute or difference pertains to the under noted matters (called excepted matters) the decision in writing of the Employer shall be final, conclusive and binding on the parties.

- a. Instructions given by the Employer;
- b. Transactions with local authorities.
- c. Proof of quality of materials.
- d. Assigning or under letting of the contract
- e. Certificate as to the causes of delay on the part of the Contractor and justifying extension of time.
- f. Rectifying of defects pointed out during the defects liability period.
- g. Notice to the Contractor to the effect that he is not proceeding with due diligence.
- h. Certificate that the Contractor has abandoned the contract.
- i. Notice of the determination of the contract by the Employer.

60) OTHER TERMS & CONDITIONS:

Bank shall not entertain any claim arising on account of damages, compensation or expenses payable as a result of any accident or injury sustained by any workman/staff of the bidder or any claim under the Workman's Compensation Act. The bidder may obtain necessary insurance cover to meet any of the above contingencies.

The Contractor and his staff shall abide by the regulations/requirements of Security Department and strictly follow the rules. Bank's security staff will have the right to check, search or interrogate any of the Contractor's staff while entering/ remain present/ leaving the Bank premises for security purposes.

The bidder shall be responsible for any loss/damage to the materials and other assets of the Bank by his staff deployed for duty.

The bidder shall also be wholly responsible for theft, burglary, fire or any other mischievous act and conduct done by their staff.

NOTICES

Notices as required by the agreement that shall be entered with the successful bidder shall be sent to the addresses as would be mentioned first therein or such other addresses as the Parties may designate from time to time, and shall be sent by certified or registered mail with acknowledgement due on receipt.

61) CLAUSES REGARDING BIDDERS FROM COUNTRIES SHARING LAND BORDER WITH INDIA

- i. Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority. Further, any bidder (including bidder from

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

India) having specified Transfer of Technology (TOT) arrangement with an entity from a country which shares a land border with India, shall also require to be registered with the same competent authority.

ii. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

iii. "Bidder (or entity) from a country which shares a land border with India" for the purpose of this Order means: -

- a) An entity incorporated, established or registered in such a country; or
- b) A subsidiary of an entity incorporated, established or registered in such a country; or
- c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d) An entity whose beneficial owner is situated in such a country; or
- e) An Indian (or other) agent of such an entity; or
- f) A natural person who is a citizen of such a country; or
- g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

iv. The beneficial owner for the purpose of (iii) above will be as under:

a) In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation: -

- i. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;
- ii. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;

b) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

c) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

d) Where no natural person is identified under (a) or (b) or (c) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

e) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

v. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

vi. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

vii. The registration shall be valid at the time of submission of bid and at the time of acceptance of bid.

viii. If the bidder was validly registered at the time of acceptance / placement of order, registration shall not be a relevant consideration during contract execution

11. SPECIAL CONDITIONS OF CONTRACT

- 1) The bidder shall acquaint himself with the proposed site of work before quoting his rates. The contractor should note and bear in mind that the Bank shall bear no responsibility for the lack of acquaintance of site and other conditions or any information relating thereto or on their part.
- 2) If for any reasons, any part of the site is not available temporarily for some time for part of the work under the contract, the agreed construction schedule shall be suitably modified and contractor shall diligently divert his men and materials to utilize them appropriately, profitably and no claim of damages whatsoever shall be entertained on this account. However, the contractor shall be allowed extension of time for completing the work as deemed fit by the competent authority. The contractor shall also not be entitled to any compensation for any loss suffered by him and revision in the rates quoted by him.
 - a) On account of delay in commencing the work by the contractor.
 - b) On account of reduction in the scope of work.
 - c) On account of suspension of work or abandoned after award of work.
- 3) The contractor shall provide, at his own cost instruments for weighing and measuring purpose at the site of work as may be necessary for execution of the work.
- 4) The contractor shall construct a sample unit of different activities complete in all respect as per the directions of the Engineer-in-charge. This sample unit shall be got approved from the Engineer-in-charge before commencing the mass work.
- 5) The contractor shall take care of all safety precautions pertaining to construction of work, such as scaffolding, ladder, working platforms, gangways, electric arc/ gas welding, use of hoist and construction machinery. Nothing extra shall be paid for scaffolding for any of the items of work unless specifically mentioned in the nomenclature. Contractor should quote rates accordingly.
- 6) On account of security consideration, some restrictions may be imposed by the security staff on the working and/ movement of men and materials etc. The contractor shall be bound to follow all such restrictions/ instructions and he shall organize his work accordingly. No claim on this account, whatsoever, shall be payable.
- 7) No hindrance / inconvenience shall be caused in the operation / working / movement of Bank personnel / customers / visitors and their vehicles due to the execution of the project / storage or placement of materials / debris / construction waste / excavated materials by the contractor. Contractor shall at all times ensure safe and convenient access to building entry for Bank staff working in the building & take all precautions to ensure that Bank's official work going on in the building is not hampered. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night, speed limit boards, red flags, red lights and providing barriers. No hindrance shall be caused to traffic during the execution of the work.
- 8) The contractor shall be responsible for the watch and ward of all materials brought by the contractor to site against pilferage and breakage during the period of installation and thereafter till the works are physically handed over to the Bank.
- 9) The contractor shall take all preventive measures against any such damage caused by rain, snowfall, floods or any other natural calamity, whatsoever during the

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

execution of the work. The contractor shall be fully responsible for any damage to the owner's property and to the work for which the payment has been advanced to him under the contract.

10) The work will be carried out in the manner complying, in all respects, with the requirements of relevant bye-laws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra shall be paid on this account.

11) The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges which may be liable.

12) The contractor shall give due notices to Municipal, Police and/or other authorities that may be required under the law/rules under force in the area and obtain all requisite licenses for temporary obstructions / enclosures and pay all charges which may be leviable on account of his execution of work under the agreement. Nothing extra shall be payable on this account in any case whatsoever.

13) All materials to be incorporated in the work shall be arranged by the contractor and shall be in accordance with the specifications laid down. Samples of all items are to be fabricated by the Contractor prior to taking up the mass production. The Contractor shall take prior written approval of the Bank before proceeding for mass production.

14) The Contractor shall use materials bearing ISI/BIS Certification Mark unless otherwise specified or allowed in writing by the Engineer-in-Charge. Any material banned by the Bank shall not be used in the work.

15) The contractor shall submit to the Engineer-in-charge samples of all materials for approval. Such samples of materials which affect aesthetics of the work shall also be got approved from the Engineer-in-charge of the project before procuring bulk supplies. These approved samples shall be preserved and retained in the custody of the Engineer-in-charge as standards of materials till the completion of the work. The cost of such samples shall be borne by the Contractor and nothing shall be payable on this account over the Agreement rates.

16) The contractor shall be required to get all the necessary mandatory and other tests as per the specifications/ IS codes, carried out on materials/ work from an approved laboratory as per the direction of the Engineer-in-charge. The testing charges and conveyance from the site shall be borne by the contractor.

17) In case any material / work is found sub-standard the same shall be rejected by the Engineer-in-charge and the same shall be removed from the site of work within 48 hours, failing which the same shall be got removed by the Engineer-in charge at the risk and cost of the contractor without giving any further notice and time. In order to ensure quality of work during its execution, the Engineer-in-charge may require samples for mandatory or routine testing of materials. All costs of these samples, their packaging, conveyance from the site to the testing laboratory and return, shall be borne by the contractor.

18) Even ISI marked materials may be subjected to quality test at the discretion of the Engineer in-charge. Whenever ISI marked materials are brought to the site of work the contractor shall, if required by the Engineer-in-charge, furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

materials procured by the contractor, satisfy the provisions of relevant ISI codes. The testing charges shall be borne by the contractor.

19) The material required for testing shall be supplied free of charge by the contractor. The cost of tests shall be borne by the contractor.

20) The work shall be executed and measured in metric system. The metric dimensions given in the schedule of quantities and drawing etc. shall be followed. (The dimension in FPS units wherever indicated are for guidance only) The figures in the drawings shall be followed.

21) The contractor shall be responsible for completing the work and for satisfying all terms and conditions of the Contract without any extra payment over his quoted rates unless otherwise specified. The contractor shall quote his rate for various items of work accordingly and no claim whatsoever shall be entertained for any incidental or extra work involved in the execution of the work as per nomenclature of the item and the specifications indicated in the tender documents.

22) Subject to the nomenclature of the item as per schedule of quantities, the specification indicated in the tender documents, the rates quoted shall include cost of all materials including royalty and taxes if any, labour, sundry inputs, execution of work at all heights, levels, pattern and design for all leads, lifts and depths including overhead charges and contractor's profit. Nothing extra shall be paid on this account.

23) The rate shall be inclusive of making design, pattern and execution of work as per Architectural drawings, at all levels and heights.

24) Other agencies doing works related with this project will also simultaneously execute the works and the contractor shall afford necessary co-ordination for un-hindered completion of these sub-works.

25) The contractor shall give a satisfactory performance test of installations individually and as a whole to ensure their proper functioning before the work is finally declared and completed and accepted.

26) The contractor shall continue to maintain watch and ward to safeguard the Owner's property in his possession until the same is formally handed over as per directions of the Engineer-in-charge. Nothing extra over agreement rates shall be paid on this account.

27) All tools, plants and measuring or weighing equipment shall be arranged by the contractor himself and nothing extra shall be paid to the contractor on this account.

28) The quantities of various items incorporated in the tender are approximate. However, the payments shall be made to the contractors on the basis of actual measurements taken at site.

29) The contractor shall protect the adjoining buildings or works and the work under execution from fire and shall make adequate arrangements for fire protection and firefighting and if any property is damaged, by fire due to the negligence of the contractor, the same shall be made good by the contractor at his own cost, to the entire satisfaction of Engineer-in charge.

30) The contractor shall provide adequate lighting arrangements as approved by the Engineer in-charge for carrying out the work during night time, if so required and also provide all other facilities for the labour employed to carry out the work as per direction of Engineer in-Charge.

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- 31) In order to achieve the targeted date of completion the contractor May have to work in multiple shifts, round the clock including public and gazetted holidays and nothing extra shall be paid on this account. However, the Contractor shall be liable for the compliance of all applicable labour laws at all the times.
- 32) All materials, articles and workmanship shall be of respective best quality and kind for the class described in the schedule of quantities and specifications. All materials, so used in different items of work shall be subject to the approval of the Engineer-in-charge.
- 33) The contractor shall be responsible for all statutory provisions and deductions towards ESI, PF or any other applicable Labour Laws, as the case May be or any other levies and taxes shall be borne by the contractors. The TDS or any other statutory levels/taxes incorporated from time to time shall be deducted progressively from the running account bills, as applicable at the time of payment. No claim in this regard shall be entertained.
- 34) The contractor shall be responsible for payments of all statutory dues with respect to each of his personnel/employees engaged by him to render service under this Agreement with respect to each applicable/extant labour law, including, the Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Employees' State Insurance Act, 1948, The Payment of Gratuity Act, 1972, The Maternity Benefit Act, 1961, The Employees' Provident Funds and Miscellaneous Provisions Act, 1952, etc. No dues/contributions under any labour legislations as applicable, remain payable by the Employer with respect to his personnel/employees, and the contractor shall produce all records to the Engineer-in-charge or any other statutory authority as and when called for. The Engineer- in-charge does not hold any responsibility on account of any lapses in this regard. The contractor shall submit an undertaking in this regard with each bill confirming payment of all dues of sub-contractors and all statutory wages to labour working under him/her/sub-contractor.
- 35) No extension of time shall be granted to the contractor on account of rains or inclement weather conditions.
- 36) For any clarification/ doubt, the Bank may organize regular meetings with Contractor. The contractor shall attend such meetings invariably as and when required.
- 37) In respect of the work of other agencies, where the commencement or progress of such work of any other agency is dependent upon the completion of particular portions of the contractor's work or generally upon the contractor maintaining progress in accordance with the approved coordinated construction program, it shall be the responsibility of the Contractor to complete such portions and maintain such progress.
- 38) The contractor shall have to do all drilling of holes and cutting of walls, chases or other elements of the building for the complete and proper installation of equipment by using electrically operated tools such as drills/ chases cutting machine etc. Manual drilling or chiseling or cutting shall be permitted on special request only. Prior permission for the same is to be obtained from the Bank.
- 39) No chiseling or cutting or drilling of RCC columns, beams, girders and other principal structural members shall be done unless prior permission has been granted by the Engineer in charge in writing.
- 40) All chases and openings made by the contractor for his pipe lines / cables shall be filled/ covered over with cement plaster in reasonable manner. Before rough

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

plastering on the pipe / cables surfaces the concealed pipes shall be secured to the wall by using proper supports/ clamps.

41) The contractor will neither be allowed to construct labour hutments nor his workforce be allowed to stay.

42) All spaces allotted to the contractor as described above shall be vacated and all structures removed from site at any time as and when required and directed by the Engineer-in charge, unconditionally and without any reservation. The Engineer-in-charge will not be obliged to give any reason for such removal. Upon receiving instructions to vacate the space, the contractor shall immediately remove all his structures, materials, etc. from the sources and clear and clean-up the site to the satisfaction of the Engineer-in-charge.

43) It shall be the responsibility of the Contractor to safeguard the site and ensure that no illegal encroachments are made by outside elements within the area allotted to the contractor. Upon completion of the work or earlier as required by Engineer-in-Charge, the contractor shall vacate the land totally without any reservation.

44) The security of workmen, materials, equipment stores etc. within the area allotted to the contractor shall be the responsibility of the contractor.

45) The site of work shall have required equipments for various tests at site by the contractor at his own cost and nothing extra shall be payable on this account.

46) The contractor shall arrange the required minimum plant and equipments at site for the execution of work. These may have to be increased depending on the requirement of the site.

47) The quantities indicated are for guidance only. However, it may vary to any extent and the contractor should not have any financial or other implications for such variations. The Bank reserves to reduce the scope of work of any item if the contractor fails to deliver the works in time and the contractor shall not ask for any financial consideration for such deletion of scope of the work.

48) The contractor shall take photographs of site prior to commencement of work, during construction and after completion of work as suggested and shall submit the photographs in soft and hard copies to Bank for which no extra payment will be made.

49) Layout of works shall be got checked by Engineer-in -charge & only then further work shall be taken by after approval.

50) All electrical works shall be got carried out through licensed Electrical Contractor having experience of similar work. Successful bidder to submit the details of licensed Electrical Contractor before start of Internal Electrification Work and same will be approved by Bank. The work shall be executed as per specifications and strictly in keeping with relevant IS code and rules and regulations of authorities.

51) The work should be carried out as per latest CPWD specification and as per the standard engineering practice. All measurements shall be made as per CPWD norms.

52) Site should be cleaned every day and all the unusable material/malba shall be removed from the site and unusable materials shall be stacked properly so that there is no hindrance for staff and public failing which bank will remove the same at their level and suitable amount shall be recovered from the contractor's bill.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- 53) The contractor shall be required to maintain the coordination with the Building Maintenance Contractor, if required.
- 54) No old / dismantled material shall be used by the contractor in the work under any circumstances unless otherwise specified or under instructions of the bank.
- 55) The bidder shall visit the site and examine the rebate items and site conditions before quoting the rates.
- 56) Dismantling & taking away includes the disposal of unserviceable material / malba to approved municipal yard.
- 57) The Rebate items shall be the property of the contractor. Rates of rebate item shall be considered as negative while calculating the value of tender and the same are to be quoted in negative only.
- 58) The Contractor shall comply with the provisions of Contract, Labour (Regulation & Abolition) Act, 1970, Minimum Wages Act and all other Labour Laws and other Statutory Regulations (both Central and State) that may be enforced from time to time by the appropriate authorities. Bank shall not be held responsible for any penalty on failure of the any Labour Regulations. Bank shall have the power to inspect the Wage Register and for physical verification of salary paid to the staff with reference to any records of the Contractor and to insist the Contractor to comply with Laws.
- 59) Contractor should obtain necessary permission that may be required for the purpose of this Contract from such authorities as may be prescribed by Law from time to time.
- 60) Contractor or his authorized representative should visit the site frequently as required by the Bank and meet Bank's Engineer with prior appointment for any clarifications and to receive instructions, take measurements, etc. at the site.
- 61) The Contractor should arrange to issue photo identity card to his workers.
- 62) Any act of indiscipline / misconduct / theft / pilferage on the part of any employee engaged by the Contractor resulting in any loss to Bank in kind or cash will be viewed seriously and Bank will have the right to claim damages or levy fine and / or terminate the Contract forthwith, if necessary.
- 63) In case of any default or failure on Contractor's part to comply with all / any one of the Terms/ Conditions, Bank reserves to itself the right to take necessary steps to remedy the situation including, inter-alia, the deduction of appropriate amount(s) from dues otherwise payable to Contractor and / or by taking recourse to appropriate recovery proceedings.
- 64) Keeping the area clean and removal of debris: Contractor shall arrange to dispose off debris, any other waste product created while carrying out the work, outside Bank's premises. The Contractor shall take due care while disposing of such waste materials and ensure that any rules / regulations laid down by Municipal Corporation or any other statutory body are not violated. The Contractor shall be responsible and answerable to any complaint arising out of improper disposal of waste material. Quoted rates shall involve the cost of same and no extra payment shall be made towards this account.
- 65) It is mandatory to provide purchase voucher of the material where basic rates are given in Bill of Quantities (BOQ). However, Bank may instruct the contractor to submit purchase voucher/test certificate of any material.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- 66) BOQ nomenclature shall prevail over any drawing/detail.
- 67) The specification for the entire work shall be in accordance with latest CPWD specifications and latest IS codes. Whenever these codes are silent, the same shall be governed by sound engineering practice and the decision of the Bank in matter of interpretation shall be final and binding on the contractor.
- 68) Bank shall provide water and power in premises for carrying out the work.

12. SCOPE OF WORK

- 1) Scope of work covers in conducting feasibility study and Design, Supply, Installation & Commissioning of Grid Connected SPV Rooftop Plant under Net Metering as per the technical specification including warranty and maintenance for a period of 5 years from the date of handing over.
- 2) The Successful bidder shall carry out the site surveys of the premises mentioned in the bid document as per the time schedule specified in the bid document. Bank, may at its discretion, increase / decrease the number of premises and / or prioritise the premises for installation of Rooftop Solar subject to financial feasibility. Priority shall be given to sites with commercial connection.
- 3) The successful bidder shall submit the feasibility reports in total for approval to Bank as per the time schedule mentioned. The reports shall be submitted in total and not in piecemeal manner.
- 4) The feasibility report shall include the following:
 - i. Report on solar insolation and shadow free area supported with satellite imagery (Google Maps, ISRO Bhuvan or similar services).
 - ii. Report on generation potential based on solar insolation, area availability, technical specifications for the panels and inverters as per agreement, seasonal variations etc. The report must indicate the minimum guaranteed electricity generation from the proposed solar plant as per their estimation. However, Performance Ratio (PR) shall be more than 70%, Capacity Utilization Factor (CUF) should be more than 15% and minimum guaranteed generation should be 3.8 Units/kWp/Day (annual average) or superior.
 - iii. Additional GI / MS Structure Requirements as per site conditions to maximise the solar output.
 - iv. Report on Feasibility of net metering as per local Discom / Electricity Board norms and specific requirements thereof.
 - v. Electrical and General Arrangement Layouts for the system being proposed at each site. The whole system shall be designed to withstand wind speeds of up to 180 KM per Hour and calculation sheets / report shall be provided for the same. The design shall be got certified by a Licenced Structural Engineer (preferably on the panel of the relevant local body / authority). The design shall be supported with calculation of weight of steel required along with standard weight charts / schedules.
- 5) The successful bidder shall place the orders for material for various sites on receipt of approval from Bank.
- 6) Wiring / Cabling upto Distribution Board from the SPV Rooftop system will be in the scope of the successful bidder(s). The laying of appropriate size armoured copper conductor XLPE cable up to LT Panel for every solar power plant installed shall be in the scope of the bidder. If multiple inverters are to be installed at site, their outputs shall be combined on to a single Panel / VTPN MCCB Distribution Board. The cable sizing shall be done to cater for the full capacity of RTS being installed.
- 7) If during operations or usage within the warranty period, any component of the system performs unsatisfactorily, the installer shall replace the faulty components or carry out necessary repairs as per the warranty terms and conditions. The successful bidder shall provide supply spares free of cost for the maintenance of the offered items during the warranty period and nothing extra shall be paid in this regard.
- 8) The Successful Bidder shall carry out preparation and submission of documentation/ drawings on behalf of Bank for necessary clearances, approvals,

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

certifications and inspections for successful commissioning of the project from local bodies / DisComs / Statutory bodies etc. Necessary permissions/ approvals on behalf of Bank. Including pre-sanction for net metering / grid integration are to be obtained/ coordinated by the successful bidder, as required, during or before the execution/ completion of work. Nothing Extra will be paid in this regard. Necessary coordination with concerned agencies like DISCOMs, State Electricity Boards, Local Bodies, Statutory Bodies for getting necessary approvals on behalf of Bank, including getting net metering installed, shall be the responsibility of the successful bidder. However, the cost of statutory charges, security deposits, application fee and bi-directional meter, CT/PT shall be borne by Bank against production of original receipt.

9) The successful bidder on completion of work shall submit the following documents for each site duly compiled as under:

- i. Testing and Commissioning cum Performance test report of the complete system duly acknowledged by representative of Bank.
- ii. The Invoice, technical details of modules, PCU, Battery etc. and copies of factory test reports.
- iii. Joint Inspection Report, Bill of Material and Abstract of Bill for the particular site.
- iv. Net Metering Work Completion & Synchronization reports.
- v. Installed system photographs.
- vi. Duly Dimensioned as built Layout Plans & drawings
- vii. Certificate of Electrical Installation by the Electrical Contractor.
- viii. Warranty certificates for the items installed.
- ix. Report for Minimum Guaranteed electricity generation for the particular site.
- x. Mounting Structure Stability Certificate from Licensed Structural Engineer Engineer (preferably on the panel of the relevant local body / authority)

10) The following components shall be included in the scope of work of Grid Tied Solar Rooftop Photo Voltaic (SPV) power plant:

- i. Solar Photo Voltaic Module Array
- ii. Module Mounting Structure
- iii. Power Conditioning Unit (PCU).
- iv. Controls and Protections
- v. DC and AC interconnecting cables
- vi. Array Junction boxes
- vii. Electrical Distribution boards / Panels.
- viii. GI structure to mount the modules.
- ix. Lightning arrestors, earthing etc.
- x. Data logger and Monitoring System.

11) Scope of Comprehensive Annual Maintenance.

The successful bidder shall provide 5 year comprehensive annual maintenance from the date of completion of work. The comprehensive AMC shall cover the following services:

i. Solar PV Modules

- a. Checking the voltage & current of the junction boxes
- b. Checking of photovoltaic modules cabling.
- c. Check the PV earthing.
- d. Cleaning of Solar PV System.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

ii. Mounting Structure

- Verify tightness of clamps nut with torque gun
- Check the every panel nut bolt tightness with use torque gun tools.
- Check the correct grounding connection of structure
- Check absence of oxidation points, initiation of oxidation or lack of galvanization

iii. Inverter Maintenance

- Check the inverter top cover alignment, fixing & tightness
- Check the inverter side AC & DC connection properness
- Check the inverter DC switch
- Check the Readings and check of error messages (if any).
- Inverter service- Fan cleaning, testing etc.

iv. Junction Box & Panel

- Check the meter reading
- Check the all fixing elements of the protection panel
- Check all the ring terminals of the panel with proper tools
- Verification of the voltages in the panel, measuring each switch input and output voltages

v. The above activities shall be carried out on quarterly basis.

vi. The bidder shall ensure that either they have their own service centres in proximity to the installed locations or they shall tie up with service providers for providing maintenance and breakdown services. This shall in no manner absolve the bidder of their responsibility to maintain the system within the warranty period.

12) Tentative Location/ Details of Buildings feasible for installation of Rooftop Solar Plants (RTS)

S. No.	Address	District	State	Latitude	Longitude
1	129 Bank House Civil Lines Bareilly	Bareilly	Uttar Pradesh	28.31629	79.439726
2	PNB NIWAS NP NO. 47/269-A, Garhi Bhadauria, Mauja Gopalpura, near Alkapuri Park, Agra	Agra	Uttar Pradesh	27.2032	77.980992
3	PNB House, Yamunapuram, M.G. Road, Bulandshahr	Bulandshahr	Uttar Pradesh	28.415954	77.828678
4	43/4855 Guru Nanak Nagar, Lal Kothi, Sarai Dewana, Satnarain Bazar, Kapurthala	Kapurthala	Punjab	31.381638	75.384907
5	Zonal Office Building, Ranjit Avenue, Back Side Vishal Mega Mart, Amritsar	Amritsar	Punjab	31.655514	74.862697
6	PNB House Ghalla Malaa Chowk, Amritsar	Amritsar	Punjab	31.647223	74.884907
7	PNB Regional Office, Near Nehru Garden, Jalandhar	Jalandhar	Punjab	31.32524	75.579862
8	PNB Vanija Bhawan Branch, Kankaria Road, Maninagar, Ahmedabad	Ahmedabad	Gujarat	23.011719	72.601409
9	C-23, Mangal Bhuvan, Ramdham 4, Kalawad Road, Rajkot	Rajkot	Gujarat	22.28267	70.770704
10	Plot no. 77, Sector-8, Approaching Tagore Road, Near TGB Jewellers Gandhidham	Kachchh	Gujarat	23.063899	70.13537
11	PNB Officers Flat no. 1 to 13, 5-Jagnath Plot, Near NAdwana Brahman Boarding, B/h Blue Club, Dr. Yagnik Road, Rajkot	Rajkot	Gujarat	22.291428	70.794792
12	Plot no. 20 RC, Scheme no. 134, Near By Pass Road, Indore	Indore	Madhya Pradesh	22.7489	75.923913
13	Flat no. 102,103,202,203,302,303,402 & 403, Block A-4, IDA Building, Scheme no. 98, Sanwad Nagar, Near Navlakha Square Indore	Indore	Madhya Pradesh	22.697749	75.880058

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

S. No.	Address	District	State	Latitude	Longitude
14	Plot no. 101-B, Sector III, Industrial Area Pithampur, Mhow-Neemuch Road, Dhar	Dhar	Madhya Pradesh	22.635614	75.585176
15	PNB Circle Office , Arera Hills, Old Jail Road, Bhopal	Bhopal	Madhya Pradesh	23.242303	77.42336
16	ZO, Bhubaneswar(900300)	Bhubaneswar	Odisha	20.27328	85.829948
17	SCO NO 70-71 Sector 17B Chandigarh	Chandigarh	Chandigarh	30.741361	76.786726
18	HOUSE NO 51, Sector 2 Chandigarh	Chandigarh	Chandigarh	30.76158	76.793409
19	PLOT NO C-12 Urban Estate Panchkula Haryana	Panchkula	Haryana	30.706406	76.85314
20	SCO 71 Sector 5 Panchkula	Panchkula	Haryana	30.700571	76.852989
21	SCO NO 31-42 Sector 17 B Chandigarh	Chandigarh	Chandigarh	30.741371	76.786741
22	Khata No 242 Patti Rajputtam near Hotel Regency G T Road Under Nagar Nigam Panipat	Panipat	Haryana	29.38033	76.972784
23	Plot No 21 & 22 Sector 12 Urban Estate Karnal	Karnal	Haryana	29.696869	77.003517
24	Plot No 23 -24 Sector 12 Urban Estate Karnal	Karnal	Haryana	29.696867	77.003516
25	Kuruppam Road, Trichur	Thrissur	Kerala	10.520854	76.21255
26	Palakkad	Palakkad	Kerala	10.772995	76.379285
27	Panniyankara, Calicut (24 flats)	Kozhikode	Kerala	11.230248	75.794827
28	Shatabdhi Bhavan, Calicut	Kozhikode	Kerala	11.26142	75.795689
29	Sec IV, BHEL, Ranipur, Haridwar	Haridwar	Uttarakhand	29.94201	78.091587
30	East of Kailash (309600)	South Delhi	Delhi	28.559333	77.257108
31	Green Park (015900)	South Delhi	Delhi	28.557712	77.20869
32	Maharani Bagh (150900)	South Delhi	Delhi	28.573131	77.258294
33	MCB (419600)	Central Delhi	Delhi	28.629678	77.226014
34	Nairoji Nagar (061200)	South Delhi	Delhi	28.566069	77.199728
35	M.M. Ghosh Street, Patra Bazar, Krishnagar, Nadia	Nadia	West Bengal	23.407923	88.492135
36	B-9/1 CA & 9/2 CA, Ghosh Para Road, Central Park, Near ITI More Kalyani, Nadia, WB (Kalyani Branch Land)	Kozhikode	Kerala	22.968743	88.465132
37	PNB Jalpaiguri Branch, Thana Road, Jalpaiguri (Jalpaiguri Branch BLDG)	Kozhikode	Kerala	26.525124	88.725947
38	PNB Coochbehar Branch-II, SUNITY ROAD, Ward No. 19, Coochbehar (Coochbehar Branch BLDG)	Cooch Behar	West Bengal	26.322561	89.443615
39	Plot No. 100(P) & 101(P) David Hare UBI Residential Complex, Durgapur, Paschim Bardhaman West Bengal (David Hare Qtrs BLDG)	Purba Bardhaman	West Bengal	23.557635	87.304929
40	Plot No 100, PNB Residential Complex Durgapur, Paschim Bardhaman, WB (30 Staff Qtrs Steel Plant B Zone Durgapur)	Purba Bardhaman	West Bengal	23.558239	87.304493
41	PNB COKE OVEN BRANCH , Plot of Dr. Bidhan Chandra Roy Avenue & Cinema Hall Road, Durgapur Paschim Bardhaman, WB (Coke Oven BLDG)	Purba Bardhaman	West Bengal	23.501967	87.307614
42	Staff Quarters, Mamra Housing Complex, Subhash Pally Road Bidhannagar, Durgapur, Paschim Bardhaman, WB (Mamra Staff Qtrs Land)	Purba Bardhaman	West Bengal	23.524295	87.321831
43	J.L. No 65 & 63 Beside Durgapur Steel Plant Main Administrative Building Complex, Durgapur, Paschim Bardhaman, WB (DSP Durgapur BLDG)	Purba Bardhaman	West Bengal	23.562118	87.250069
44	PNB Bidhan Nagar Branch & Staff Quarters, Sahid Sukumar Banerjee Sarani and Yuri Gagarin Path, Bank colony more, Durgapur, Paschim	Purba Bardhaman	West Bengal	23.515539	87.355045

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

S. No.	Address	District	State	Latitude	Longitude
	Bardhaman, WB (BIDHAN NAGAR DURGAPUR, BLDG)				
45	Dag No 64 Patta No 05 Near Sohum Mall H S Road T Junction Rehawari Ward Dibrugarh (Dibrugarh Branch Land) (CO-Dibrugarh)	Dibrugarh	Assam	27.479458	94.904772
46	(Branch Office Electronic City eUNI) Plot no. 100, Sy. no. 11, Konappana Agrahara Village, Electronic City Phase 1, Begur Hobli, Bangalore	Bangalore	Karnataka	12.845289	77.662448
47	(MCC & RAM Bangalore) Site no. 100, (old no. 1-A), PNB Building, P.I.D. no. 91-83-100, Mosque Road, Frazer Town, Bangalore	Bangalore	Karnataka	12.996293	77.61397
48	PLOT NO 129 OBC HOUSE CIVIL LINES JAIPUR	Jaipur	Rajasthan	26.906288	75.780986
49	PNB NEAR UMRIN PANCHAYAT SAMITI UMRIN ALWAR	Alwar	Rajasthan	27.499842	76.559988
50	PNB RAJENDRA NAGAR BHARATPUR RAJASTHAN	Bharatpur	Rajasthan	27.213167	77.502091
51	PNB DHOLKOT BRANCH DHOLPUR RAJASTHAN	Dholpur	Rajasthan	26.699805	77.894416
52	PUSP PUNJ OFFICERS RESIDENCE JAWAHAR NAGAR BHARATPUR RAJASTHAN	Bharatpur	Rajasthan	27.203868	77.501776
53	TOWER 2 NEHRU PLACE TONK ROAD JAIPUR	Jaipur	Rajasthan	26.894258	75.813999
54	PLOT NO 19 NEW GRAIN MANDI SCHEME AERODROME CIRCLE KOTA (BO: KOTA IE)	Kota	Rajasthan	25.168335	75.852342
55	FLATS AT SHUBHAM COMPLEX BHAGAT KI KOTI EXTENSION SCHEME JODHPUR	Jodhpur	Rajasthan	26.236668	73.013338
56	MEERA MARG JAWAHAR NAGAR SRI GANGANAGAR	Ganganagar	Rajasthan	29.917022	73.887205
57	PLOT 02, F-07, SADBHAWNANAGAR, SRI GANGANAGAR	Ganganagar	Rajasthan	29.890336	73.862126
58	Plot no P-38 Bangur Avenue Lake Town Krishnapore Kolkata (Bangur Avenue 10 flats)	North Twenty Four Parganas	West Bengal	22.60746	88.411384
59	18A and 18B Brabourne road Kolkata	South 24 Parganas	West Bengal	22.575308	88.351942
60	Kolkata Branch Premises no 4 NC Dutta Sarani Hare Street Kolkata (Kolkata branch Land & Bldg)	South 24 Parganas	West Bengal	22.577705	88.348212
61	Rajpur JI no. 55 near Rabindra Bhawan Rajpur Sonarpur South 24 Parganas (Rajpur Central Records Land & Bldg)	South 24 Parganas	West Bengal	22.422983	88.411803
62	Premises no 73E Purna Das Road near Triangular park Kolkata (UBI house land & building)	South 24 Parganas	West Bengal	22.518006	88.358676
63	ZO, Ludhiana Building	Ludhiana	Punjab	30.8856	75.7868
64	BO: Chaura Bazar, Ludhiana	Ludhiana	Punjab	30.917898	75.855497
65	BO: IBB/LCB, Ludhiana	Ludhiana	Punjab	30.896308	75.867066
66	CO, Bathinda building	Bathinda	Punjab	30.194198	74.955706
67	646, Urban Estate, Phase 1, Bathinda	Bathinda	Punjab	30.196912	74.959152
68	BO: Ropar and flats	Rupnagar	Punjab	30.96037	76.532565
69	BO: Nangal Township	Rupnagar	Punjab	31.390586	76.37269
70	BO: Chowk Purani Kotwali, Patiala	Patiala	Punjab	30.326	76.402655
71	BO: A. Tank, Patiala	Patiala	Punjab	30.325199	76.401105

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

S. No.	Address	District	State	Latitude	Longitude
72	Two Resi. Kothis at Patiala	Patiala	Punjab	30.316884	76.378426
73	ZTC, (Under Renovation)	Ludhiana	Punjab	30.896308	75.867066
74	House no. B-37, J park, Mahanagar Extension, Ward- Chandganj, Lucknow	Lucknow	Uttar Pradesh	26.881714	80.951596
75	Property no. 14, Purdilpur, Bank Road, Tappa Kashba, Gorakhpur	Gorakhpur	Uttar Pradesh	26.753388	83.366575
76	24, Mahatma Gandhi Marg, Hazratganj, Lucknow	Lucknow	Uttar Pradesh	26.850329	80.941577
77	Plot no. TC-56-V, Vibhuti Khand-II, Gomati Nagar, Lucknow	Lucknow	Uttar Pradesh	26.867839	81.001601
78	Plot no. 4, Punj Vihar, Vibhuti Khand, Gomti Nagar, Lucknow	Lucknow	Uttar Pradesh	26.859308	81.012336
79	House no. 3, Plot no. 411, Riverside Apartments, Dr. Baij Nath Road, New Hyderabad, Ward- Colvin College, Lucknow	Lucknow	Uttar Pradesh	26.863748	80.952082
80	House No. A-207 Defence Colony Mawana Road Meerut	Meerut	Uttar Pradesh	29.011239	77.742046
81	Ramganga Vihar Phase-2 HIG-6 flats,14,15,16,17,18,19 Moradabad	Moradabad	Uttar Pradesh	28.872679	78.752534
82	Ramganga Vihar Phase-2 MIG-16,17,18,19 Moradabad	Moradabad	Uttar Pradesh	28.875548	78.749995
83	Ramganga Vihar Phase-2 HIG-23,24,25 Moradabad	Moradabad	Uttar Pradesh	28.876112	78.749162
84	PNB House, Plot no. 59, New Cadastral Survey no. 1531 of Fort Division, Sir Phirozshah Mehta Road, Fort, Mumbai	Mumbai	Maharastra	18.934121	72.835621
85	CTS no. 917/20+20A, Sub Plot no.-1, Final Plot no. 299/22, Opp. Hotel Roopali, Fergusson College Road (F C Road), Shivajinagar, pune	Pune	Maharastra	18.519963	73.84106
86	Plot no. C-9, G Block, Pragati Tower , Bandra Kurla Complex, Bandra East, Mumbai	Mumbai	Maharastra	19.060011	72.862381
87	Wing A, B & B-1, Kingway, S.V. Patel Marg, Near Kasturchand Park, Nagpur	Nagpur	Maharastra	21.15412	79.086023
88	Unit no. G-17 G-18 F-17 F-18 , Lokmanya Tilak Market, Plot no. 08, Sector-01, Vashi, Thane, Navi Mumbai	Thane	Maharastra	19.070806	72.997275
89	PNB Ojhar Branch, Hindustan Aeronautics Ltd. Campus, Sector no. G-6, HAL Township, Ojhar, Nashik	Nashik	Maharastra	20.107707	73.94681
90	25, Sir P.M. Road, Survey no. 5142,2/232, S. no. 8949, CS no. 648 & 649, Fort, Mumbai	Mumbai Suburban	Maharastra	18.934296	72.833346
91	Plot no. 22, Near Hinjewadi Police Station, Rajiv Gandhi Infotech Park, Hinjewadi, Pune	Pune	Maharastra	18.586592	73.736644
92	Silverline Apartment, residential building.	Mumbai	Maharastra	19.120643	72.885626
93	Residential cum office building Charkop	Mumbai	Maharastra	19.215549	72.832021
94	Bank's owned STC building at Belapur	Thane	Maharastra	19.016971	73.04179
95	BO: Seepz, SEEPZ	Mumbai	Maharastra	19.12433	72.872763
96	Residential building, OBC House, Malad (East)	Mumbai	Maharastra	19.17554	72.854849
97	Residential building, GTB House, Malad (East)	Mumbai	Maharastra	19.175503	72.855147
98	Residential building, OBC Ashiana, Malad (East)	Mumbai	Maharastra	19.175382	72.855107
99	IP situated in 449(N), Plot no. 612/11560/11566 Ward no. 22, Near Kotwali Thana Gaya, Krishna Prakash Road, Gaya.	Gaya.	Bihar	24.796446	85.00875

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

S. No.	Address	District	State	Latitude	Longitude
100	Darri Korba NTPC Colony Jamanipali Korba	Korba	Chhattisgarh	22.412665	82.668301
101	Plot no. B/16 City Centre Sector 4 Bokaro Jharkhand	Bokaro	Jharkhand	23.666502	86.143217
102	BS city Sector 5 (Res. Premisesw) Bokaro	Bokaro	Jharkhand	23.6677	86.168
103	Plot 05 Indira Place Civic Center Bank Area Ward no 57 Bhilai Durg	Durg	Chhattisgarh	21.183942	81.345037
104	Plot 05, Sector 6, b, market, Bhilai, Durg Chattisgarh	Durg	Chhattisgarh	21.197852	81.346512
105	Plot NO. 20A, ApHASE-III, Industrial Area, Sansarpur Terrace, Dist- Kangra	Kangra	Himachal Pradesh	31.928303	75.923281
106	Premises No 28/93, Birhana Road Kanpur	Kanpur	Uttar Pradesh	26.46269	80.354552
107	1 st and 2 nd Floor, Nichibagh Shopping cum Office Complexes Development Scheme Mohalla- Aash Bhairo, Nichibagh	Varanasi	Uttar Pradesh	25.315458	83.01131

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

13. TIME SCHEDULE FOR COMPLETION & STAGEWISE PAYMENT

The time schedule for completion of works shall be as under:

S.No.	Activity	Time Schedule	Payment Eligibility	Stage-wise Liquidated Damages
1	Carrying out survey of the sites as per list provided. Locations shall be allocated by Bank.	20 days from start of work	As per amount quoted.	0.50% of the contract amount shown in the tender per week subject to maximum 5% of the initial contracted sum
2	Submission of design basis report complete with all details for all the sites (preparation of reports to be carried out in parallel to the survey). The report must be complete with feasibility report including sharing of structure details as per scope of work.	30 days from start of work		
3	Placing orders for major equipment, viz. Panels, Inverters, Cables etc.	7 days from receipt of approval on the DBR from Bank	NA	0.50% of the contract amount shown in the tender per week subject to maximum 7.5% of the initial contracted sum (any liquidated damages applied till
4	Completion of installation of Solar PV systems at all sites complete with application for net	75 days from receipt of approval on the DBR from Bank as under: a) Pro Rata Installation of 25% of the approved	80% of the amount against pro-rata installation & commissioning (site wise) as	

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

	metering submitted.	<p>DBR capacity – 30 days from approval of DBR</p> <p>b) Pro Rata Installation of 50% of the approved DBR Capacity – 45 days from approval of DBR</p> <p>c) Pro Rata Installation of 75% of the approved DBR Capacity – 60 Days from approval of DBR</p> <p>d) 100 % of the approved DBR capacity – 75 days from approval of DBR</p>	per quoted rates	previous stages shall be adjusted)
5	Energisation of net metering, activation of data logger, handing over credentials for web portal to Bank, handing over documents etc.	90 days from the receipt of approval on the DBR from Bank	100% of the amount against installation & Commissioning (site wise) as per quoted rates after adjusting any previous payments made.	
	Total	120 Days		

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

14. TECHNICAL SPECIFICATIONS

1) SOLAR PHOTOVOLTAIC MODULES

a.	Type	Monofacial, Mono Crystalline silicon, Half Cut, PERC type (144 Half Cut Cells)
b.	Country of Origin	Made in India with minimum 50% Local content. Class-I Local Content Certificate for Modules to be submitted duly signed and stamped by the Module OEM.
c.	Module Power Rating at STC (standard test conditions)	≥ 545 Watt Peak
d.	Module Power Rating at NOCT (Nominal Operating Cell Temperature)	≥ 403 Watt Peak
e.	Module Efficiency	$\geq 21\%$
f.	Warranty	Panel output (W_p) capacity to be $\geq 90\%$ at the end of 12 years and $\geq 80\%$ of at the end of 25 years.
g.	Module frame	Anodised Aluminium
h.	Termination	Thermo-plastic Junction box or connector of Min IP 65 rating, UV resistant
i.	Superstrate	High transmittance Anti Reflective Glass, min 3.2 mm thickness
j.	Weight	Under 30 Kg
k.	Identification tag for each solar module	Shall be provided inside the module and must be able to withstand environmental conditions and last the lifetime of the solar module.
l.	Identification tag data	Name of the manufacturer with logo Month and year of manufacture Model No Module serial number
m.	Power output rating	To be given for standard test conditions (STC). I- V curve of the each module shall be submitted.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

n.	Salt Mist Protection	IS/IEC 61701
o.	Compliance with standards and codes	IEC 61215 / IS 14286 IEC 61730 Part 1 and 2
p.	Test Reports / Certificates	BIS Certificates for abovementioned standards and type test reports from MNRE/NABL accredited labs

Note: Bank reserves the right to visit the manufacturing facilities of the manufacturer and get the factory testing of Solar Module carried out if so desired by Bank and the bidder shall coordinate the visit and testing activity at no extra cost to the Bank.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

2) SOLAR INVERTER / POWER CONDITIONING UNIT

a.	Total output power (AC)	Nearest Higher Rating as per installation at site
b.	Country of Origin	Made in India with minimum 50% Local content. Class-I Local Content Certificate for Inverters to be submitted duly signed and stamped by the Inverter OEM.
c.	Maximum power point (MPPT)	Integrated in the PCU/inverter to maximize energy drawn from the array
d.	Number of independent MPPT inputs	Optional
e.	Operation AC voltage	<ul style="list-style-type: none"> ▪ For up to 5 kWp - Single phase 230V ▪ For above 5 kWp upto 50KW/63KVA – Three phase 415 V four wire ▪ Grid Voltage Tolerance +/- 15%
f.	Operating Frequency range	50 Hz +/- 5%
g.	Nominal frequency	50 Hz
h.	Power factor of the inverter	>0.98 at nominal power
i.	Total harmonic distortion	Less than 3%
j.	Inverter Output	Pure Sine Wave
k.	Built-in Protection	AC high / low voltage; AC high /low frequency
l.	Anti-islanding protection	As per IS 16169 / IEC 62116
m.	Operating ambient temperature range	-1 °C to +55 °C
n.	Humidity	0 – 100% Rh
o.	Inverter efficiency	>=98% (for three phase inverter) / >=97.50% (for single phase inverter)
p.	Inverter weighted efficiency (Euro Efficiency)	>=97%
q.	Protection degree	IP 65
r.	Communication interface	RS 485 / RS 232 / RJ45 / GSM Sim Based

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

s.	Safety compliance	IS 16221 / IEC 62109
t.	Environmental Testing	IS/IEC 60068
u.	Efficiency Measurement Procedure	IS/IEC 61683
v.	Cooling	Natural Cooling / Fan Cooling
w.	Display type	LCD for data display. LCD /LED for status display
x.	Display parameters to include	Output power(W), cumulative energy (Wh), DC voltage (V), DC current (A), AC voltage (V), AC frequency (Hz), AC current (A), cumulative hours of operation (h).
y.	Warranty	5 years or greater comprehensive warranty
z.	Test Reports / Certificates	BIS Certificates for abovementioned standards and type test reports from MNRE/NABL accredited labs

Note: Bidder to submit documents for various models up to 50 KW capacity along with bid documents.

Bank reserves the right to visit the manufacturing facilities of the manufacturer and get the factory testing of Solar Inverter carried out if so desired by Bank and the bidder shall coordinate the visit and testing activity at no extra cost to the Bank.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

3) SOLAR PV MOUNTING STRUCTURE

The PV modules shall be mounted on fixed metallic structures having adequate strength and as per specifications given below which can withstand the load of the modules and high wind velocities. The array structure will be made of pre galvanized sheet steel of size not less than 50mm x 50mm x 6mm size/Aluminium (L-angle – 50mm x 50mm x 5mm, U-channel – 33mm x 30mm x 33mm x 3mm). The support structure shall be hot dip galvanized steel or aluminium.

Mounting Structure shall be constructed as under

a.	Wind velocity withstanding capacity	180 km / hour The designs have been certified by a Licenced Structural Engineer (preferably on the panel of the relevant local body / authority) in this regard and submit wind loading calculation sheet and structural design to Bank. Suitable fastening arrangement to secure the installation against the specific wind speed shall be done. Design stage structural stability certificate to be provided.
b.	Mounting structure construction (with clear height below modules up to 1.8 meters)	Pre galvanized sheet steel with a minimum galvanization thickness of 80 microns and the structural patterns shall be made before galvanizing. The mounting structure steel shall be as per latest IS 2062: 1992 and galvanization of the mounting structure shall be in compliance of latest IS 4759. Design stage structural stability certificate to be provided.
c.	Bolts, nuts, panel mounting clamps, fasteners (with spring washers)	Stainless steel SS 304
d.	Mounting arrangement for metal sheet roofs	Mounting directly on the sheet metal, ensuring stability and wind withstanding capacity or penetrating the sheet metal and fixing to the sub-structure, ensuring that the roof remains water proof and ensuring stability and wind withstanding capacity.
e.	Mounting arrangement for elevated structures (with clear height below modules greater than 1.8 meters)	For installations where a minimum clear height of 1.8 meters is to be maintained between the surface and modules a separate elevated mounting structure shall be erected for direct mounting of Solar Module. The Elevated structure shall be constructed out of Mild Steel Square hollow sections (minimum size 50x50x5 mm, selection to be made as per wind loading and site conditions. Design to be got approved before fabrication). The surface shall be finished with 2 coats

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

		<p>of red oxide primer and one coat of synthetic enamel paint (black colour).</p> <p>The elevated structure has to be securely anchored to the supporting surface.</p> <p>For ground installation 1:2:4 (or higher grade) Concrete foundations of appropriate weight and depth for elevated structures shall be mounted directly on the ground. The spacing in the structure shall be designed for using the structure as car parking.</p> <p>For surfaces with water proofing, concrete ballasts / weights made from made of 1:2:4 (or higher grade) Concrete shall be used to hold down the solar panels as per design wind loading. Care shall be taken so as to not damage the waterproofing.</p> <p>For installation on RCC Surface, MS base plate of min 6 mm thickness shall be used at each leg of the structure and shall be bolted with anchor bolts of appropriate strength.</p>
f.	Mounting arrangement for ground installations	With ballast made of 1:2:4 (or higher grade) Concrete; assuring enough ground clearance to prevent damage of the module through water, animals and other environmental factors.
g.	Mounting arrangement for RCC-flat roofs Installation RCC-flat roofs Installation	In order to avoid any damage to waterproofing, suitable ballast made out of concrete shall be prepared to secure the structure at the bottom made of 1:2:4 concrete. The structures shall be designed for simple mechanical on-site installation. There shall be no requirement of welding or complex machinery at the installation site.
h.	Minimum distance between roof edge and mounting structure	0.5m
i.	Access for panel cleaning and maintenance	All solar panels must be accessible from the top for cleaning and from the bottom for access to the module- junction box.
j.	Panel tilt angle	North – south orientation with a fixed tilt angle of 27-30 degrees(depending on location), south facing. However, to accommodate more capacity the angle

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

		inclination may be reduced until the plant meets the specified performance ratio requirements.
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Note:

1. The cost of mounting structure complete with all accessories, hardware, ballasts, foundations etc. with clear height below modules up to 1.8 meters shall be included in the cost of Grid Connected Rooftop Solar System as per Item no 2 in Schedule of Quantities. The clear height shall be measured from lower edge of the modules.
2. The Structural Stability Certificate of the "As Built" Mounting Structure by a Licenced Structural Engineer (preferably on the panel of the relevant local body / authority) shall be submitted with the final handing over documents.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

4) DATA LOGGER & REMOTE MONITORING

Data Logging Provision for solar plant shall be provided with time and date stamped system data logs for analysis. Metering and Instrumentation for display of systems parameters and status indicators is to be provided along with the system.

An integrated Pyranometer / Solar cell based irradiation sensor (along with calibration certificate) shall be provided, with the sensor mounted in the plane of the array with its output integrated with data logging system.

Temperature probes for recording the Solar panel temperature and/or ambient temperature to be provided complete with readouts integrated with the data logging system.

The following parameters should be accessible via the operating interface display in real time separately for solar power plant:

- AC Voltage.
- AC Output current.
- Output Power
- Power factor.
- DC Input Voltage.
- DC Input Current.
- Time Active.
- Time disabled.
- Time Idle.
- Power and Units Generated (KWh)
- Protective function limits (Viz-AC Over voltage, AC Under voltage, Over frequency, Under frequency ground fault, PV starting voltage, PV stopping voltage).

All major parameters should be available on the logger and read on the digital front panel at any time. The logging facility (the current values, previous values for up to a month and the average values) should be made available via access to a web portal with downloadable reports indicating the above parameters.

PV array energy production:

Digital Energy Meters to log the actual value of AC/ DC voltage, Current & Energy generated by the PV system provided. Energy meter along with CT/PT should be of 0.5 accuracy class. Computerized DC String/Array monitoring and AC output monitoring shall be provided as part of the inverter and/or string/array combiner box or separately. String and array DC Voltage, Current and Power, Inverter AC output voltage and current (All 3 phases and lines), AC power (Active, Reactive and Apparent), Power Factor and AC energy (All 3 phases and cumulative) and frequency shall be monitored.

Remote Server and Software for centralized Internet monitoring system shall be also provided for download and analysis of cumulative data of all the plants and the data

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

of the solar radiation and temperature monitoring system. Ambient / Solar PV module back surface temperature shall be also monitored on continuous basis. Simultaneous monitoring of DC and AC electrical voltage, current, power, energy and other data of the plant for correlation with solar and environment data shall be provided.

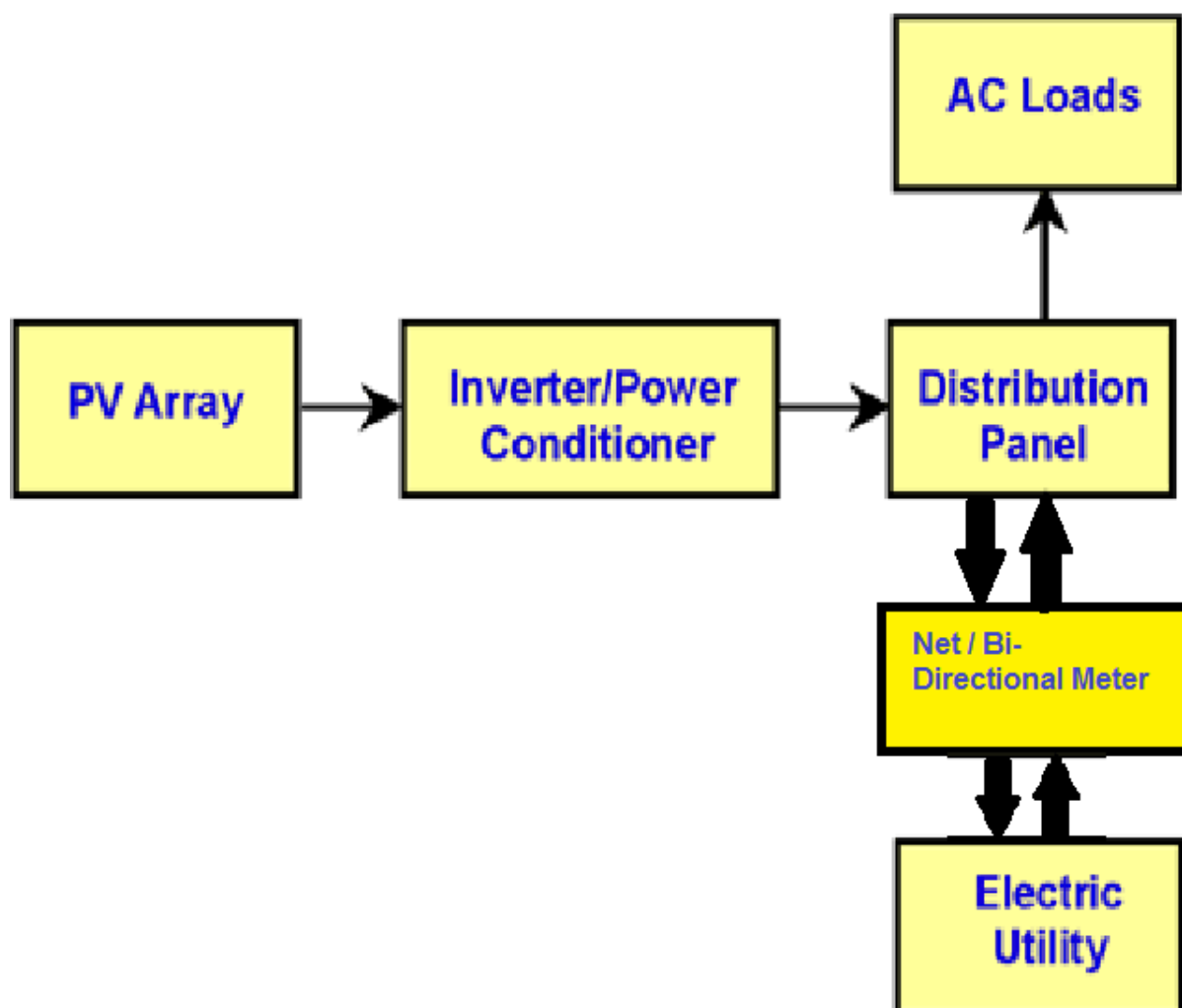
Separate IDs for monitoring of all the sites shall be generated by the bidder for the portal. Various sites under the control of a single administrative office may be clubbed together for monitoring if so desired by Bank.

The Monitoring system should be able to generate consolidated reports regarding the parameters specified in numerical as well as graphical user interface mode. The data shall be available for a minimum period of two years for download and review.

The connectivity to the data logger shall be provided via 4g/5g GSM sim provided SIM recharge for the 5-year period along with requisite data card.

5) METERING AND POWER CONSUMPTION:

- a. The bidirectional electronic energy meter as per the statutory requirements of DISCOMs / Electricity Board shall be installed for the measurement of import/Export of energy (getting statutory requirements and installation of bi-directional meter is installer scope with free of cost).
- b. Solar meter to be installed to measure the solar generation as per CERC guidelines.
- c. The bidder must take approval/NOC from the Concerned DISCOM for the connectivity, technical feasibility, and synchronization of SPV plant with distribution network and copy submit to Bank before commissioning of SPV plant.
- d. Inverter should comply with anti-islanding norms of IERC.
- e. Regarding the generated power consumption, priority need to give for internal consumption first and thereafter any excess power can be exported to grid. Decisions of appropriate authority like DISCOM, state regulator may be followed.



E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

6) PROTECTIONS:

The system should be provided with all necessary protections like Earthing, Lightning, Surge Protection, Grid islanding and Switchgear as follows:

LIGHTNING PROTECTION:

The SPV power plants shall be provided with lightning & overvoltage protection. The entire space occupying the SPV array shall be suitably protected against Lightning by deploying required number of Lightning Arrestors.

Lightning protection should be provided as per IS / IEC 62305 standard. Necessary concrete foundation to be provided for holding Lightning conductor considering the wind speed. It should be earthed through 20x3 GI flat from pit with proper insulation. Height of Lightning conductor from array structure should be min 4 meter.

SURGE PROTECTION:

Internal surge protection shall consist of three MOV type surge-arrestors connected from +ve and -ve terminals to earth (via Y arrangement)/ SPD (type II). SPD should be provided in AC and DC side of solar PV system. It should have protection voltage of 2.5kv and nominal discharge current of 5kA (8/20) micro sec. SPD earthing terminals should be connected to earthing system.

EARTHING PROTECTION:

a. Each array structure of the PV yard should be grounded/ earthed properly as per IS: 3043- 1987. In addition the lightning arrester/masts should also be earthed inside the array field. Earth Resistance shall be tested in presence of the representative of Bank as and when required after earthing by calibrated earth tester. PCU, ACDB and DCDB should also be earthed properly.

b. Earth resistance shall not be more than 2 ohms. It shall be ensured that all the earthing points are bonded together to make them at the same potential using UV stabilised single core flexible copper cables.

c. Chemical Earthing shall be carried separately as under:

- i. Lightning Arrestors
- ii. PCU / Inverter Earth
- iii. Solar Array Body Earth
- iv. DC ground Earth.

The number of earth pits shall be as per site requirements. Earth pits shall be Maintenance free chemical filled earthing copper electrode 80mm x 3000mm including accessories & grounding back fill compound providing masonry enclosure with cover plate locking arrangement complete as required (Earth Resistance should be less than 2 Ohm)

Grid Islanding:

- GRID ISLANDING: In the event of a power failure on the electric grid, it is required that any independent power-producing inverters attached to the grid turn off in a short period of time.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

- A manual disconnection Single Phase / Three Phase MCB / MCCB besides automatic disconnection to grid would have to be provided at utility end to isolate the grid connection by the to carry out any maintenance. This arrangement shall be provided with lockable enclosure.

Switchgear Protection

- The AC output of the solar grid inverter shall be connected to the building's electrical system after the Discom service connection meter and main switch on the load side. The solar grid inverter output shall be connected to a dedicated module in the Main Distribution Board / Electrical Panel of the building. It shall not be connected to a nearby load.
- In case a single Solar Inverter is installed at site, an MCB / MCCB of suitable capacity shall be provided in a weatherproof enclosure at the output of solar inverter. Inverters of capacity up to 10 KW shall be provided with MCB protection and inverters higher than 10 KW shall be provided with MCCB protection.
- In case multiple solar inverters are installed at site, their outputs shall be collected in a suitable VTPN MCCB distribution board and thereafter connected to the Main Distribution Board / Electrical Panel of the building.
- The cables from the array strings to the solar grid inverters shall be provided with DC MCB protection. MCBs shall have a voltage rating and current rating as required and shall be mounted in thermoplastic IP 65 enclosures with transparent covers with DIN rail mounts

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

7) CABLES:

Cables of appropriate size to be used in the system shall have the following characteristics:

- a) Shall meet IEC 60227/IS 694, IEC 60502/IS1554 standards Temp. Range: – 10 °C to +80 °C, Voltage rating 660/1000V
- b) For the DC cabling, Solar cables with multi stranded copper conductors XLPE or XLPO insulated and sheathed with the voltage rating of 1000 V DC or higher UV stabilised single core flexible copper cables shall be used. Multi-core cables shall not be used.
- c) For the AC cabling, XLPE insulated and PVC sheathed single or multi-core flexible copper cables shall be used. Outdoor AC cables shall have a UV-stabilised outer sheath
- d) The total voltage drop on the cable segments from the solar PV modules to the solar grid inverter shall not exceed 1.0%.
- e) The total voltage drop on the cable segments from the solar grid inverter to the building distribution board shall not exceed 2.0%
- f) The DC cables from the SPV module array shall run through a UV-stabilised PVC conduit pipe of adequate diameter with a minimum wall thickness of 1.5mm or through a High Density Poly Ethylene (HDPE) conduit. The conduits shall not run across the path way of the terrace. Flexible corrugated PVC conduits shall not be used.
- g) Cables and wires used for the interconnection of solar PV modules shall be provided with solar PV connectors (MC4) and couplers.
- h) All cables and conduit pipes shall be clamped to the rooftop, walls and ceilings with thermo-plastic clamps at intervals not exceeding 50 cm. The minimum DC cable size shall be 4.0 mm² copper. The minimum AC cable size shall be 4.0 mm² copper with size selected as per current and distance. In three phase systems, the size of the neutral wire shall be equal to the size of the phase wires. The following colour coding shall be used for cable wires:
 - i) DC positive: red (the outer PVC sheath can be black with a red line marking)
 - j) DC negative: black
 - k) AC single phase: Phase: red; neutral: black Earth: Green
 - l) AC three phase: Phases: red, yellow, blue; neutral: black Earth wires: Green
- m) Cables and conduits that have to pass through walls or ceilings shall be taken through a PVC pipe sleeve.
- n) Cable conductors shall be terminated with tinned copper thimbles to prevent fraying and breaking of individual wire strands. The termination of the DC and AC cables at the Solar Grid Inverter shall be done as per instructions of the manufacturer, which in most cases will include the use of special connectors.
- o) Cable lugs and end –ferrules for all cable conductor and wire terminations shall be crimped with crimping pliers and end-ferrule pliers
- p) All cable ties shall be UV resistant.
- q) The Cable should be so selected that it should be compatible up to the life of the solar PV panels i.e. 25years
- r) The ratings given are approximate. Bidder to indicate size and length as per system design requirement. All the cables required for the plant provided by the bidder. Any change in cabling sizes if desired by the bidder/approved after citing appropriate reasons. All cable schedules/layout drawings approved prior to installation.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

15. LIST OF PREFERRED MAKE OF MATERIAL

The material of standard quality from the following preferred makes is to be used. In case it is established that the brands specified below are not available in the market, contractor shall submit alternative proposal for the approval of Bank.

S.No.	Item	Preferred Make
i.	Solar Module	Waaree, Adani (Mundra Solar), Vikram, Renewsys.
ii.	Solar Inverter	Waaree, Ksolare, UTL, Sungrow.
iii.	DC & AC Cables	Havells, Polycab, Finolex, KEI
iv.	DC & AC Switchgear and protection devices	L&T, ABB, Siemens, Schneider, Legrand, Hager
v.	String Combiner	Robotina/Trinity Touch/Hensel/Cape Electric, AKG or Equivalent BIS approved
vi.	Weather Monitoring station Pyranometer	Kipp & Zonen or Equivalent
vii.	Energy Meter	Secure/L&T or Equivalent
viii.	CT/PT	Automatic Electric/Crompton/Kappa
ix.	Connectors	MC4 or Equivalent
x.	Surge protection (SPD)	Legrand/Hager/L&T/Siemens/Schneider/ABB
xi.	Solar Charge Controller	Morningstar/ Schneider/ Blue Sky/ Genasun/ Midnite Solar/Outback Power/ Magnum Energy or Equivalent
xii.	Maintenance free Chemical Earthing	Universal Alltec/ Ashlok/ JMV/ERICO/DEHN
xiii.	Mild Steel for mounting structure	Jindal (Hissar)/ SAIL / Tata
xiv.	GI for mounting structure	Jindal (Hissar)/ SAIL / Tata
xv.	Primer and Enamel Paint	Berger/Asian Paints/Nerolac/Dulux

NOTE:-

1. In case of unavailability of any material of specific make an equivalent make can be used only after a written approval of the Bank. The preference of make/ brand of the material listed above will be decided by the Bank. The make/ brand of any item will be as mentioned in the drawings issued by the Bank.

2. The contractor shall submit the make and model of items proposed for installation at site. A written approval of these make and models shall be sought prior to commencement of any work. Bank reserve the right to enquire the genuineness of any material used at site directly from the manufacturer/ dealer.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

16. ANNEXURES & UNDERTAKINGS.

Annexure-I: UNDERTAKING FOR LOCAL CONTENT FROM BIDDER

(To be submitted on bidder's letter head)

**Chief Manager (Electrical),
Head Office,
General Services Administration Division,
Punjab National Bank,
Dwarka, New Delhi - 110075**

Reg: Self - Certification regarding the local content.

We hereby certify that the local content percentage (%) in the Goods, Works and Services offered across India by M/s _____ having registered office in India at _____ against Tender No: _____ floated by Punjab National Bank for **"Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises"** is in line with definition of minimum local content as prescribed for Class-I local supplier as per DPIIT vide OM P-45021/2/2017-PP (BE-II) dated 16.09.2020 issued the Public Procurement (Preference to Make in India) Order 2017-revision.

M/s _____ is Class-I local supplier and local content percentage is _____ %.

We also hereby confirm that in line with the mandate of Ministry of New & Renewable Energy (MNRE) Order No 283/22/2019-GRID SOLAR dated 23rd Sep 2020 for the Public Procurement (Preference to Make in India) & any amendments thereof, to provide for Purchase Preference (linked with local content) in respect of Renewable Energy (RE) Sector:

- a) The procurement of Solar Modules for the subject tender will be done from Class I Local suppliers only. The percentage of Local content in the procurement of mentioned Solar Modules is _____ %.
- b) The procurement of Solar Inverters for the subject tender will be done from Class I Local suppliers only. The percentage of Local content in the procurement of mentioned Solar Inverters is _____ %.

Dated this day of _____ 2024.

Signature of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____

(IN CAPITALS)

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Annexure-II: UNDERTAKING FOR LOCAL CONTENT FROM SOLAR MODULE OEM

(To be submitted solar module OEM's letter head)

**Chief Manager (Electrical),
Head Office,
General Services Administration Division,
Punjab National Bank,
Dwarka, New Delhi - 110075**

Reg: Self - Certification regarding the local content.

We hereby certify that the local content percentage (%) in the Solar Modules offered across India by M/s _____ having registered office in India _____ at

_____ against Tender No: _____ floated by Punjab National Bank for **"Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises"** is in line with definition of minimum local content as prescribed for Class-I local supplier as per DPIIT vide OM P-45021/2/2017-PP (BE-II) dated 16.09.2020 issued the Public Procurement (Preference to Make in India) Order 2017-revision.

M/s _____ is Class-I local supplier and local content percentage is _____ %.

Dated this day of _____ 2024.

Signature of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____

(IN CAPITALS)

Note: The above certificate shall be signed by authorised signatory from the Solar Module Original Equipment Manufacturer. Board resolution in favour of authorised signatory to be provided along with the bid.

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Annexure-III: UNDERTAKING FOR LOCAL CONTENT FROM SOLAR INVERTER OEM

(To be submitted on Inver OEM's letter head)

**Chief Manager (Electrical),
Head Office,
General Services Administration Division,
Punjab National Bank,
Dwarka, New Delhi - 110075**

Reg: Self - Certification regarding the local content.

We hereby certify that the local content percentage (%) in the Solar Inverters / Power Conditioning Units offered across India by M/s _____ having _____ registered _____ office _____ in _____ India _____ at _____

against Tender No: _____ floated by Punjab National Bank for **"Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises"** is in line with definition of minimum local content as prescribed for Class-I local supplier as per DPIIT vide OM P-45021/2/2017-PP (BE-II) dated 16.09.2020 issued the Public Procurement (Preference to Make in India) Order 2017-revision.

M/s _____ is Class-I local supplier and local content percentage is _____ %.

Dated this day of _____ 2024.

Signature of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____

(IN CAPITALS)

Note: The above certificate shall be signed by authorised signatory from the Solar Inverter Original Equipment Manufacturer. Board resolution in favour of authorised signatory to be provided along with the bid.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Annexure-IV: UNDERTAKING FOR NON-BLACKLISTING / DEBARRING AND BACK TO BACK WORKS

(on stamp paper of Rs.100/-)

**Chief Manager (Electrical),
Head Office,
General Services Administration Division,
Punjab National Bank,
Dwarka, New Delhi - 110075**

Reg: Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

I/We am/are Participating the E tender for **"Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises"**.

I/We hereby Undertake as under :-

" I/We have not been black-listed/ barred by any office of Bank, Department of Financial Services, Govt. of India, any Department / Agency under Ministry of New and Renewable Energy (MNRE) or regulators like RBI, SEBI, IRDA etc. and my company does not feature in the debarment list on Central Public Procurement Portal (CPPP) maintained by Department of Expenditure, Ministry of Finance Government Agency.

"I/ We undertake and confirm that eligible similar work(s) has/have not been got executed through another agency on back to back basis.

Further that, if such a violation comes to the notice of the Bank, then I/we shall be debarred for bidding in PNB in future forever. Also, if such violation comes to the notice of the Bank before date of start of work, the Bank shall be at liberty to forfeit the entire amount of Earnest Money Deposit.

Dated this day of _____2024.

Signature of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____
(IN CAPITALS)

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Annexure-V: BIDDERS INFORMATION

1. Name:

2. Constitution (Proprietorship / Partnership/ Limited etc.):

3. Address for correspondence:

4. Names & Addresses of the Partners/ Directors if applicable:

5. Name of Contact Person(s) with their Mobile Numbers:

6. Office Telephone, Fax, e-mail:

7. PAN No.:

8. GST Details: GSTIN/ARN –
State Code –
HSN/SAC Codes –

9. Escalation Matrix.

10. Payment Details (A/c Number and IFS Code)

11. Details of Authorised Signatory:
Note: The document authorising the signatory to submit the bid to be provided with the bid.

Signature of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____ (IN CAPITALS)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Annexure-VI: BIDDER'S FINANCIAL INFORMATION

Name:
Constitution:
Address:

Names & Addresses of the Proprietor / Partners / Directors if applicable:

Contact Person(s) _____

Telephone, Fax, e-mail _____

Number of years of experience _____

Please give brief financial particulars of your firm for the last three accounting years along with the volume of business handled.

(The information will be kept confidential)

Year (Last 3nos. of FY)	2020-21	2021-22	2022-23
Total Turnover (Value in in ₹)			
ITR (Y/ N)			

Signature of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____

(IN CAPITALS)

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Annexure-VII: PROFORMA FOR PERFORMANCE STATEMENT

NAME OF BID

Sr. No	Name of Organization	Duration of Contract	Contract Amount	Date of Order	Contact Person and Telephone no.	Completion Certificate Attached (Yes / No)*

Signature of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____

(IN CAPITALS)

NOTE:

- Bidder to provide relevant certificates from the above mentioned organizations.
- The name and address of the organization along with key persons, their designation, telephone no. and email address should be provided.

* Satisfactory completion and performance certificate from the principal employer / client for satisfactory execution of similar work as defined in eligibility criteria.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Annexure-VIII: COMPLIANCE STATEMENT:

Please note that any deviations mentioned elsewhere in the bid will not be considered and evaluated by the Bank. Bank reserve the right to reject the bid, if bid not submitted in proper format as per Tender Document.

<u>Compliance</u>	<u>Description</u>	<u>Compliance (Yes/No)</u>
Terms and Conditions	We hereby undertake and agree to abide by all the terms and conditions including all annexure, corrigendum(s) etc. stipulated by the Bank in this Bid Document. (Any deviation may result in disqualification of bids).	

Signature of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____
(IN CAPITALS)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Annexure-IX: UNDERTAKING FOR PROCUREMENT FROM COUNTRY SHARING LAND BORDER WITH INDIA

(To be submitted in bidder's letter head)

(Designation, Name of Office along with Complete address to be inserted here)

Reg: Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that I am not from such a country or, if from such a country, have been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that I fulfill all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Dated this day of _____ 2024.

Name of Authorised Signatory _____

Sign and Stamp of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____ (IN CAPITALS)

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Annexure-X: INTEGRITY PACT

To,

**Chief Manager (Electrical),
Head Office,
General Services Administration Division,
Punjab National Bank,
Dwarka, New Delhi - 110075**

Sub: Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises

Dear Sir,

I/We acknowledge that PNB is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/ bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/ We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/ We will stand disqualified from the tendering process. I/ We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/ We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by PNB.

I/ We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with the enclosed Integrity Agreement.

I/ We acknowledge that in the event of my/ our failure to sign and accept the Integrity Agreement, while submitting the tender/ bid, PNB shall have unqualified, absolute and unfettered right to disqualify the tenderer/ bidder and reject the tender/ bid in accordance with terms and conditions of the tender/bid.

Name of Authorised Signatory_____

Sign and Stamp of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____ (IN CAPITALS)

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Pre Contract Integrity Pact

Punjab National Bank, a body corporate constituted under the Banking Companies (Acquisition and Transfer of Undertaking) Act 1970 (Act no V of 1970) and having its Head Office at Plot no. 4, Sector 10, Dwarka, New Delhi 110075, hereinafter referred to as "The Principal", which expression shall mean and include unless the context otherwise requires, its successors in office and assigns of the First Part.

And

M/s. _____ having its registered office at _____ hereinafter referred to as "The Bidder/ Contractor", expression shall mean and include unless the context otherwise requires, successors and permitted assigns of the Second part.

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for..... The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/ transparency in its relations with its Bidder(s) and/or Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitors (IEMs) who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

a. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

b. The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

c. The Principal will exclude from the process all known prejudiced person.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/ PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Section 2- Commitments of the Bidder(s)/ Contractor(s)

(1) The Bidder(s)/ Contractor(s) commit themselves to take all measures necessary to prevent corruption during any stage of bid process/ contract. The Bidder(s)/ Contractor(s) commit themselves to observe the following principles during participation in the tender process and during the contract execution.

a. The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or the other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

b. The Bidder(s)/ Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c. The Bidder(s)/ Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposal and business details, including information contained or transmitted electronically.

d. The Bidder(s)/ Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any, similarly the Bidder(s)/ Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/ Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/ representative have to be in Indian Rupees only.

e. The Bidder(s)/ Contractor(s) will, when presenting their bid, disclose any, and all payments made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

f. Bidder(s)/ Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.

(2). The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3- Disqualification from tender process and exclusion from future contracts.

If the Bidder(s)/ Contractor(s) before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

put their reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings".

Section 4- Compensation for Damages

(1). If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to earnest Money Deposit/ Bid Security.

(2). If the Principal has terminated the contract according to Section 3, or the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the contract value or the amount equivalent to Performance Bank Guarantee/ Initial Security Deposit.

Section 5- Previous transgression

(1) The Bidder declares that no previous transgression occurred in the last three years immediate before signing of this integrity pact with any other Company in any country conforming to the anti-corruption approach or with any Public Sector Enterprises or central/ state government department in India that could justify his exclusion from the tender process.

(2). If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banning of business dealing".

Section 6- Equal treatment of all Bidders/ Contractors/ Subcontractors

(1) In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of integrity Pact by the Sub-contractor.

(2) The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.

(3) The Principal will disqualify from the tender process all the Bidders who do not sign this Pact or violate its provisions.

Section 7- Criminal charges against violating Bidder(s) / Contractor(s) / Subcontractor (s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Sub contractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Section 8- Independent External Monitor

(1) The Principal appoints competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under the agreement.

Sh. Madhusudan Prasad, IAS (Retd.) and Sh. Ajay Kumar Sharma (IDES-Retd.) have been appointed as Independent External Monitors (IEMs) by our Bank. Their e-mail addresses are as under:

Sl.	Name of IEM	e-mail	Mob. No.
1.	Sh. Madhusudan Prasad, IAS (Retd.)	mprasad23@gmail.com	9717585556
2.	Sh. Ajay Kumar Sharma (IDES-Retd.)	aajayced@gmail.com	9990699002

(Note to Bidders: the above persons are not to be contacted for generic tender related queries, as the queries must be directed to contact details mentioned in Notice Inviting Tender)

(2) The Monitor is not subject to instructions by the representatives of the parties and performs his/ her functions neutrally and independently. The Monitor would have access to all Contract documents, whenever required. It will be obligatory for him/her to treat the information and documents of the Bidders/ Contractors as confidential. He/she reports to the Managing Director and CEO, Punjab National Bank.

(3) The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all project documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will also grant the Monitor, upon his/ her request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to Sub-contractor.

(4) The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s)/ Subcontractor(s) with confidentiality. The Monitor has also signed declarations on "Non-Disclosure of Confidential Information" and of "Absence of Conflict of Interest". In case of any conflict of interest arising at a later date, the IEM shall inform MD & CEO, Punjab National Bank and recues himself/ herself from that case.]

(5) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and Contractor. The parties offer to the Monitor the option to participate in such meetings.

(6) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he/ she will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action.

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. The Monitor will submit a written report to the MD & CEO, Punjab National Bank within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.

(7) If the Monitor has reported to the MD& CEO, Punjab National Bank, a substantiated suspicion of an offence under relevant IPC/PC Act, and the MD & CEO, PNB has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

(8) The word '**Monitor**' would include both singular and plural.

Section 09- Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion future business dealings.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by MD & CEO, PNB.

Section 10- Other provisions

- (1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the "Place of award of work".
- (2) The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of to the extant law in force relating to any civil or criminal proceedings.
- (3) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- (4) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- (5) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- (6) Issues like warranty/ Guarantee etc. shall be outside the purview of IEMs.
- (7) In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in the Integrity Pact will prevail.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

(For & On behalf of the Principal)

(For & On behalf of Bidder/ Contractor)

(Office Seal)

Place.....

Date.....

(Office Seal)

Witness 1:

Witness 2:

(Name & Address)

(Name & Address)

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

Annexure-XI: DETAILS OF INSURANCE POLICIES

(To be submitted by the successful bidder after award of work on their letterhead)

**Chief Manager (Electrical),
Head Office,
General Services Administration Division,
Punjab National Bank,
Dwarka, New Delhi - 110075**

Reg: Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises

This is in reference to the captioned work awarded to me/us vide your award letter dated _____. In this regard, please find enclosed the policies as under

Type of Policies	Name of Insurance Provider	Amount Insured (Rs.)	Policy No.	Validity
CAR Policy including 3rd Party Liability				
Workman Compensation Policy				

2. We understand that Bank is not liable for damage to any works carried out at site, materials brought or affixed at site unless handed over in total, complete in all respects to the Bank.

3. We undertake that the policies shall remain valid for minimum duration of period of work or up to handover of site, whichever is later.

4. We also understand that the above policies shall be suitably updated to cover any increase in insurance coverage of works / materials at site due to:

- Replacement / rectification of rejected materials, workmanship etc.
- Extension of time.
- Increase in scope of work, including extra items, if any.

5. Bank shall be at the liberty to deduct suitable amounts from our payments due / security deposit for gap in / lack of insurance coverage.

Name of Authorised Signatory_____

Sign and Stamp of Authorised Signatory _____

In the capacity of / Designation _____

Duly authorized to sign tenders for and on behalf of _____ (IN CAPITALS)

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

17. SCHEDULE OF QUANTITIES

S.No.	Description	Quantity	Unit	Rate (Incl GST)	Amount (Incl GST)
1.	Carrying out survey of the sites as per list provided. Locations shall be allocated by Bank. The work is inclusive of Submission of design basis report complete with all details for all the sites (preparation of reports to be carried out in parallel to the survey). The report must be complete with feasibility report including sharing of structure details as per scope of work.				
i	North	60	Nos	Rates to be quoted online.	Amount to be quoted online.
ii	West & Central	21	Nos	Rates to be quoted online.	Amount to be quoted online.
iii	East	20	Nos	Rates to be quoted online.	Amount to be quoted online.
iv	South	6	Nos	Rates to be quoted online.	Amount to be quoted online.
2.	Supply, Installation, Testing and commissioning of on grid Solar Photovoltaic Power Plant conforming to MNRE specifications as amended, consisting of solar modules, Solar Inverters / Power Conditioning Units necessary protections, earthing, mounted structure height up till 1.80 meters, Data Monitoring System complete with accessories, String Combiners, Junction Boxes, DC & AC Switchgear & Distribution Board, Lightning and surge voltage protection, Connections &				

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

	Interconnections by supplying & fixing required size XLPE insulated copper conductor 1.1 kV grade armoured power and control cables between solar modules, main power cable to grid supply PCU unit along with supplying & fixing of necessary channel/conduit / cable trays, end terminations of cables lugs and other accessories etc. as required Including Comprehensive Maintenance for a period of 5 years.				
i	North	686	KWp	Rates to be quoted online.	Amount to be quoted online.
ii	West & Central	514	KWp	Rates to be quoted online.	Amount to be quoted online.
iii	East	244	KWp	Rates to be quoted online.	Amount to be quoted online.
iv	South	43	KWp	Rates to be quoted online.	Amount to be quoted online.
3.	<p>Supply, Fabrication & Installation, of suitable MS Structure for mounting of array for heights exceeding 1.8 meters complete with RCC ballasts, fitting, welding, painting etc.</p> <p>The measurement of the finished structure shall be done as per standard weight tables.</p> <p>Rates to be quoted complete with cartage, labour, wastage, material and nothing extra shall be paid in this regard.</p>				
i	North	9227	KG	Rates to be quoted online.	Amount to be quoted online.

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

ii	West & Central	6913	KG	Rates to be quoted online.	Amount to be quoted online.
iii	East	3282	KG	Rates to be quoted online.	Amount to be quoted online.
iv	South	578	KG	Rates to be quoted online.	Amount to be quoted online.

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

18. CHECKLIST FOR THE BENEFIT OF BIDDERS

S.No.	Description	Document Attached (Yes / No)
1)	Letter Submitting Tender	
2)	Letter of Transmittal	
3)	Tender Document and Corrigendum (if any) Signed and Stamped on all pages by authorised signatory.	
4)	Annexure-I: UNDERTAKING FOR LOCAL CONTENT FROM BIDDER	
5)	Annexure-II: UNDERTAKING FOR LOCAL CONTENT FROM SOLAR MODULE OEM	
6)	Board Resolution for Authorised Signatory from Solar Module OEM.	
7)	Annexure-III: UNDERTAKING FOR LOCAL CONTENT FROM SOLAR INVERTER OEM	
8)	Board Resolution for Authorised Signatory from Solar Inverter OEM.	
9)	Annexure-IV: UNDERTAKING FOR NON-BLACKLISTING / DEBARRING AND BACK TO BACK WORKS	
10)	Annexure-V: BIDDERS INFORMATION	
11)	Board Resolution / Power of attorney in favour of authorized person signing the Bid documents. In case of companies, Board Resolution in the favour of authorised signatory is mandatory.	
12)	Certificate of Incorporation, Memorandum of Association, Articles of Association / Partnership Deed as applicable	
13)	Annexure-VI: BIDDER'S FINANCIAL INFORMATION	
14)	Copy of PAN Card	
15)	Copy of GSTIN	
16)	Copy of last three years audited balanced sheet, Profit & Loss Statement, Balance Sheet and ITR (2020-21, 2021-22 & 2022-23).	
17)	Annexure-VII: PROFORMA FOR PERFORMANCE STATEMENT	
18)	List of similar work completed in last 7 (Seven) years with details enclosing	

(Signature of Authorised Signatory)

E-Tender No: 2651 for Request For Proposal For Supply, Installation, Testing and Commissioning of Grid Connected Rooftop Solar System on Pan India Basis at Bank's Premises.

	completion certificate from the principal employer / clients along with the names of two responsible clients/ persons with address & telephone number who will be in position to certify about quality as well as past performance of your organization.	
19)	Performance/Completion Certificate from clients	
20)	List of Govt./ Quasi-Govt. Deptt. and other organizations of repute with whom the company is empanelled.	
21)	Annexure-VIII: COMPLIANCE STATEMENT:	
22)	Annexure-IX: UNDERTAKING FOR PROCUREMENT FROM COUNTRY SHARING LAND BORDER WITH INDIA	
23)	BIS Certificates, Data Sheets and Technical Literature for Solar Modules and Inverters	
24)	Annexure-X: INTEGRITY PACT	
25)	Any other documents required as per eligibility criteria.	

---END OF DOCUMENT---