



**ఆంధ్ర ప్రగతి గ్రామీణ బ్యాంక్ ఆంధ్ర ప్రగతి గ్రామీణ బ్యాంక్**  
**ANDHRA PRAGATHI GRAMEENA BANK**  
 (Sponsored by Canara Bank)

(భారత ప్రభుత్వ సంస్థ)

**COMMITTED TO RURAL DEVELOPMENT**

**Request for Proposal in GeM Portal [RFP]**  
**for**

Supply, Installation, Testing, Commissioning & Maintenance of 100 kwp capacity on-grid roof top solar PV power plant at 01 no. of Bank owned property at Head Office Kadapa and 25 kwp capacity on-grid roof top solar PV power plant at 01 no. of bank owned property at Regional Office-Anantapur and 98 kwp capacity off-grid roof top solar PV power plant at 32 nos. of bank owned properties at Anantapur, Kadapa, Kurnool, Nandyal and Rajampeta regions

**DETAILS ARE AS FOLLOWS:**

S.No	Name Of The Branch	BIC	Region	Proposed Capacity (in KWP)	ON GRID/OFF GRID	Remarks
1	Head Office	1	Head Office	100	ON GRID	
2	RO Anantapur	1000	Anantapur	25	ON GRID	
3	Bandameedipalli	1039	Anantapur	3	OFF GRID	
4	Jellipalli	1069	Anantapur	3	OFF GRID	
5	C.Guruvalur	2038	Kadapa	3	OFF GRID	
6	Korrapadu	2014	Kadapa	3	OFF GRID	
7	Alavalapadu	2123	Kadapa	3	OFF GRID	
8	Veerapanayunipalli	2002	Kadapa	3	OFF GRID	Building is under Construction and roof top solar will be installed after completion of building construction in the month of November 2024
9	Vemula	2012	Kadapa	3	OFF GRID	
10	Kothakota	3074	Kurnool	3	OFF GRID	
11	Peravali	3066	Kurnool	3	OFF GRID	
12	Devanakonda	3028	Kurnool	3	OFF GRID	
13	Nannor	3011	Kurnool	3	OFF GRID	
14	Peddakaduburu	3119	Kurnool	3	OFF GRID	
15	Kairuppala	3131	Kurnool	3	OFF GRID	
16	Urukunda	3126	Kurnool	3	OFF GRID	
17	Tuggali	3084	Kurnool	3	OFF GRID	
18	Badinehal	3129	Kurnool	3	OFF GRID	
19	Peddathumabalam	3030	Kurnool	3	OFF GRID	
20	Chityala	3179	Kurnool	3	OFF GRID	
21	Gargeyapuram	3063	Kurnool	3	OFF GRID	
22	Parla	3004	Kurnool	3	OFF GRID	Building is under Construction and roof top solar will be installed after completion of building construction in the month of December 2024
23	Daivamdinne	3127	Kurnool	3	OFF GRID	Building is under Construction and roof top solar will be installed after completion of building construction in the month of February 2025

24	Pathikonda	3081	Kurnool	5	OFF GRID	
25	Petnikota	3097	Nandyal	3	OFF GRID	
26	Tangutur-K	3029	Nandyal	3	OFF GRID	
27	Gospadu	3061	Nandyal	3	OFF GRID	
28	Hussainapuram-D	3125	Nandyal	3	OFF GRID	Issued work order for construction. The roof top solar will be installed after completion of building construction in the month of March 2025
29	Garladinne(k)	3051	Nandyal	3	OFF GRID	
30	Parumanchala	3017	Nandyal	3	OFF GRID	Building is under Construction and roof top solar will be installed after completion of building construction in the month of December 2024
31	Vathaluru	2122	Rajampeta	3	OFF GRID	
32	Kalasapadu	2054	Rajampeta	3	OFF GRID	Construction is proposed. Building plan is approved and the preparation of Tender document is going on. The Rooftop solar will be installed after completion of construction of building
33	Veeraballi	2006	Rajampeta	3	OFF GRID	
34	Narasapuram	2102	Rajampeta	3	OFF GRID	
<b>Total</b>				<b>223</b>		

**RFP Ref. No.: 234/APGB/SOLAR/GEM/2024 dated 18.09.2024**

**GEM BID No: 234/APGB/SOLAR/GEM/2024**

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ISSUED BY  
**PREMISES, MAINTAINENCE and SERVICES DEPARTMENT**  
**HEAD OFFICE,**  
**MARIYAPURAM, KADAPA**  
**ANDHRA PRADESH.**  
**PH: 9490158007**  
**e-mail: [hopms@apgb.in](mailto:hopms@apgb.in)**



# ఆంధ్ర ప్రగతి గ్రామీణ బ్యాంక్ ఆంధ్ర ప్రగతి గ్రామీణ బేంక్ ANDHRA PRAGATHI GRAMEENA BANK

(Sponsored by Canara Bank)

(భారత ప్రభుత్వ సంస్థ)

**COMMITTED TO RURAL DEVELOPMENT**

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# ఆంధ్ర ప్రగతి గ్రామీణ బ్యాంక్ ఆంధ్ర ప్రగతి గ్రామీణ బేంక్ ANDHRA PRAGATHI GRAMEENA BANK

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## NOTICE INVITING TENDERS

Andhra Pragathi Grameena Bank, Premises, Maintenance and Services Department, Head Office, Kadapa invites tenders in GeM portal from eligible & experienced Firms / Companies in "TWO BID CONCEPT" for supply, installation, testing, commissioning & maintenance of 100 kwp capacity on-grid roof top solar PV power plant at 01 no. of bank owned property at Head Office-Kadapa and 25 kwp capacity on-grid roof top solar PV power plant at 01 no. of bank owned property at Regional Office-Anantapur and 98 kwp capacity off-grid roof top solar PV power plant at 32 nos. of bank owned properties at Anantapur, Kadapa, Kurnool, Nandyal and Rajampeta regions.

### 1) Details of the Tender :

Name of the Work	supply, installation, testing, commissioning & maintenance of 100 kwp capacity on-grid roof top solar PV power plant at 01 no. of bank owned property at Head Office-Kadapa and 25 kwp capacity on-grid roof top solar PV power plant at 01 no. of bank owned property at Regional Office-Anantapur and 98 kwp capacity off-grid roof top solar PV power plant at 32 nos. of bank owned properties at Anantapur, Kadapa, Kurnool, Nandyal and Rajampeta regions.
Nature of Work	Solar Roof Top Power Plant
Application Fees	Rs. 1,180/- by way of Demand Draft drawn in favour of "Andhra Pragathi Grameena Bank, Head Office - payable at Kadapa in the Bank's approved format, super-scribing 'Application fees for Tender for Supply, Installation, Testing, Commissioning & Maintenance of 100 kwp capacity on-grid roof top Solar PV Power Plant At 01 no. Of Bank Owned Property at Head Office Kadapa and 25 kwp Capacity On-Grid Roof Top Solar PV Power Plant at 01 no. Of Bank Owned Property at Regional Office-Anantapur and 98 kwp Capacity Off-Grid Roof Top Solar PV Power Plant at 32 nos. Of Bank Owned Properties at Anantapur, Kadapa, Kurnool, Nandyal and Rajampeta Regions' and the same should be submitted along with EMD at our office.

Earnest Money deposit	<ul style="list-style-type: none"> <li>➤ The bidder shall furnish Earnest Money Deposit (EMD) of Rs.500000/- by way of Demand Draft drawn on any scheduled Commercial bank in favour of Andhra Pragathi Grameena Bank,Head Office, Kadapa payable at Kadapa. No interest is payable by Bank on EMD.</li> <li>➤ EMD can also be submitted in the form of Irrevocable Bank Guarantee. The same shall be issued by Scheduled Commercial Bank in India for Rs. 125000/- with validity for a <u>minimum period of two year from the last date for submission of offer.</u> The format for submission of EMD in the form of Bank Guarantee is annexed herewith. The EMD can also be submitted in the form of fixed deposit receipt with lien noted in favour of Andhra Pragathi Grameena Bank, Head Office, Kadapa.</li> <li>➤ The EMD of the Bidders, not qualified under Technical Bid and unsuccessful bidder in the financial bid will be returned.</li> <li>➤ The EMD of the successful bidder shall be returned within 7 days after signing of agreement and depositing of the Security Deposit as per terms &amp; conditions of the RFP by the bidder.</li> <li>➤ <b><u>The EMD may be forfeited in the following instances:</u></b> <ul style="list-style-type: none"> <li>➤ If the bidder withdraws or amends the bid during the period of bid validity specified in this document.</li> <li>➤ If the successful bidder fails to sign the agreement and / or fails to furnish Performance Guarantee/ Security Deposit in accordance with the terms of this RFP within 14 days from the date of receipt of the Purchase Order from the Bank.</li> </ul> </li> </ul>
Issue of tender document	18.09.2024
Pre-bid meeting	<p>A Pre Bid meeting is scheduled on 27.09.2024 at 11:30 AM at 3<sup>rd</sup> Floor, Premises, Maintenance and Services Department, Head Office, Kadapa.</p> <p>The Vendors are requested to make a site visit at their own expense and assess the site requirement before the pre bid meeting. During the said pre-bid meeting clarifications can be sought regarding the tender.</p>
Concept of tender	Two Bid system in GeM Portal

Last date and time for submission of the tender	Bid (both Technical & Financial) made strictly as per provisions of the tender should be submitted latest by 05.00 PM on 10.10.2024 through GeM Portal.  No hard copy of the completed tender document will be accepted.  <b><u>Only those bids which qualify the eligibility criteria under technical evaluation, their price bids will be opened on the above specified day or such other date intimated by Bank.</u></b>
Opening of Technical bids	10.00 AM on 11.10.2024 through GeM Portal.
Opening of Financial bids	Date & time will be informed to the qualified bidders through e-mail/ letter.
Commencement of work	10 <sup>th</sup> day from the date of issuing of Work Order
Period of completion	60 days from the date of issue of work order(including mobilization period)
Tender documents	Can be downloaded from GeM Portal/free of cost from Andhra Pragathi Grameena Bank's web site from 18.09.2024 till last date of submission at <a href="https://apgb.in/tender1.php">https://apgb.in/tender1.php</a>
Payment Terms	As per the Clause 30 of General Conditions of Contract
Initial Security Deposit (ISD)	2% Of the Contract Amount
Defects Liability Period (DLP)	60 Months from the date of Completion of Work
Retention Money	As per the " Clause 12 of General Conditions of Contract"
Liquidated Damages for Delay in work	As per the "Clause 15 of General Conditions of Contract"
Earnest Money Deposit, Security Deposit & Retention money	As per the clause 12 of "General conditions of the Contract"
Price variation	No IEEMA or any other Price variation clause shall be applicable in this contract.
Arbitration	As per the clause 40 of "General conditions of the Contract"
For any clarification , please contact	THE GENERAL MANAGER, Premises, Maintenance and Services Department, Head Office, Mariapuram, Kadapa. PH No:9490158007 E-Mail ID: hopms@apgb.in

Note: Request for alteration in the PRICE terms of the tender will not be entertained. Tenders which do not comply the Price terms mentioned in the tender are liable to be summarily rejected.

Please visit our website <https://apgb.in/tender1.php> or GeM portal for details.

Any amendments, modifications, Pre Bid replies & any communication etc. will be uploaded in the Bank's website only (i.e. <https://apgb.in/tender1.php>). No individual communication will be sent to the individual bidders.

Bank reserves the right to change the dates, timings mentioned above or elsewhere in the RFP, which will be communicated by placing the same as corrigendum in GeM portal only. Bidders should check the GeM portal before the submission of proposal for the corrigendum, if any.

SIGNATURE OF THE CONTRACTOR WITH SEAL



ఆంధ్ర ప్రగతి గ్రామీణ బ్యాంక్ ఆంధ్ర ప్రగతి గ్రామీణ బ్యాంక్  
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**DISCLAIMER**

The information contained in this Request for Proposal (“RFP”) document or information provided subsequently to bidders or applicants whether verbally or in documentary form by or on behalf of Andhra Pragathi Grameena Bank (or Bank), is provided to the bidder(s) on the terms and conditions set out in this RFP document and all other terms and conditions subject to which such information is provided. This RFP document is not an agreement and is not an offer or invitation by Andhra Pragathi Grameena Bank to any parties other than the applicants who are qualified to submit the bids (hereinafter individually and collectively referred to as “Bidder” or “Bidders” respectively). The purpose of this RFP is to provide the Bidders with information to assist the formulation of their proposals. This RFP does not claim to contain all the information each Bidder requires. Each Bidder may conduct its own independent investigations and analysis and is free to check the accuracy, reliability and completeness of the information in this RFP. Andhra Pragathi Grameena Bank makes no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RFP. The information contained in the RFP document is selective and is subject to updating, expansion, revision and amendment. It does not purport to contain all the information that a Bidder requires. Andhra Pragathi Grameena Bank does not undertake to provide any Bidder with access to any additional information or to update the information in the RFP document or to correct any inaccuracies therein, which may become apparent.

Andhra Pragathi Grameena Bank reserves the right of discretion to change, modify, add or alter any or all of the provisions of this RFP and/or the bidding process, without assigning any reasons whatsoever. Such change will be published on the Bank’s Website (<https://www.apgb.in>) or GeM portal and it will become part and parcel of RFP.

The information provided by the bidders in response to this RFP Document will become the property of the Bank and will not be returned. This RFP document prepared by Andhra Pragathi Grameena Bank should not be reused or copied or used either partially or fully in any form.

Andhra Pragathi Grameena Bank in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this RFP. Andhra Pragathi Grameena Bank reserves the right to reject any or the entire Request for Proposals received in response to this RFP document at any stage without assigning any reason whatsoever. The decision of Andhra Pragathi Grameena Bank shall be final, conclusive and binding on all the parties.

**ELIGIBILITY CRITERIA**

S.No	Criteria	Documents Required
1.	The tenderer should have minimum 5 years experience in the field of solar power plants as system integrator prior to 31.03.2024.	Valid certificates and Order copies and satisfactory completion certificates prior to 31.03.2024
2.	The Firm should be registered/ Empanelled with MNRE/ State statutory Bodies/nodal agencies or such other Government organizations or Registered in Public sector units or Public sector Bank's related to Renewable energy sources.	A valid registration/ empanelment certificate from MNRE or State Government Bodies related to Renewable energy sources.
3.	Bidder should be MNRE / SECI/APSPDCL registered vendor having valid registration and office in the state of Andhra Pradesh having minimum five years' experience as on 31 March 2024 in SITC of grid connected (net metering) rooftop solar panels or other type of solar power projects in Government/Semi Government / PSUs / office buildings/commercial premises/industrial houses. (MNRE registration prior to discontinuation of empanelment of solar vendors by MNRE will be considered.)	Copy of the letter issued by MNRE / SECI/APSPDCL regarding registration with them to confirm about the category of their registration.
4.	The firm should have minimum turnover of Rs.2.50 Crores for last three financial years (ie., 2021-22,2022-23 and 2023-24). If not filed for 2023-24, then submit for 2020-21.	Audited balance sheet and P&L account for the years mentioned and certificate from the Chartered Accountant.
5.	<p>The bidder should have completed works of Design, Supply, Installation, Testing and Commissioning of grid interactive (Through Net- Metering) SPV based Solar Power System and OFF-Grid SPV based Solar Power System as under:</p> <p>At least Ten (10) completed similar works each of Capacity more than 3 KWp to 5 KwP during the last 3 (Three) years ending with 31.03.2024.</p> <p align="center">AND</p> <p>1) At least Four (4) completed similar works each of Capacity more than 20 KWp during the last 3 (Three) years ending with 31.03.2024.</p> <p align="center">OR</p> <p>2) At least three (3) completed similar works each of Capacity more than 50 KWp during the last 3 (Three) years ending with 31.03.2024.</p> <p align="center">OR</p> <p>3) At least two (2) completed similar works each of Capacity more than 75 KWp during the last 3 (Three) years ending with 31.03.2024.</p>	Copies of detailed work order indicating scope and value of works. Completion certificate for the qualifying works to be submitted. Written information with full details such as names, postal address, e-mail IDs, contact details (Landline and Mobile Nos.) to be furnished so that they can be contacted by the Bank if needed.



	<p style="text-align: center;">OR</p> <p>4) At least one (1) completed similar works each of Capacity more than 100 KWp during the last 3 (Three) years ending with 31.03.2024.</p> <p>Similar work means supply and installation of solar power plants</p>	
6.	The firm should have service setup at Andhra Pradesh state.	Proof of office address with details of service setup
7.	The firm must have Goods & Service tax registration number and PAN number.	Copies of the GST registration certificate and PAN card copy shall be enclosed.
8.	The bidder should not be a blacklisted/debarred company as on the date of submission of RFP by any Government Department /Financial Institution/ Public sector Units/Scheduled Commercial bank in India.	In this respect, the Bidders shall submit declaration as outlined in the format on their Company Letter head duly sealed & signed.
9.	The Integrity Pact to be duly filled and to be submitted along with offer as per bank's format.	In this respect, the Integrity Pact to be duly filled in a non judicial stamp paper of Rs 200/- and submitted along with the offer.
10	Should have Authorised Service Center in Operational Area of Bank	<p>Address and contact details of the office and service centre in to be furnished.</p> <p>Copy of document proof of local address i.e. lease agreement of the firm entered with landlord, tax paid receipt or GST registration has to be submitted. The same may be inspected by Bank officials.</p>
	<p>The bidder/OEM should not be from a country which shares a land border with India unless the bidder is registered with the Competent Authority (as detailed in Office Memorandum- F. No. 6/18/2019-PPD of Dept. of Expenditure, Ministry of Finance). Bidder from a country which shares a land border with India means:</p> <p>a. An entity incorporated, established or registered in such a country; or</p> <p>b. A subsidiary of an entity incorporated, established or registered in such a country; or</p> <p>c. An entity substantially controlled through entities incorporated, established or registered in such a country; or</p> <p>d. An entity whose beneficial owner is situated in such a country; or</p> <p>e. An Indian (or other) agent of such an entity; or</p> <p>f. a natural person who is a citizen of such a country; or</p>	<p>. A declaration in letter head of the firm/company stating "We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; we certify that we are not from such a country or; if from such a country, have been registered with the Competent Authority (copy attached). We hereby certify that we fulfil all requirements in this regard and are eligible to be considered ". Has to be submitted.</p> <p>ii. Bidder and OEM both have to submit an undertaking as per the format attached in Annexure-3.</p>

	g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above	
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Only the Bidders who are found to meet the Eligibility Criteria detailed above shall be considered for Price bid evaluation.

**Checklist for Enclosures (Bidder should fill up YES or NO without fail)**

S.No.	Bid Enclosures	YES or NO
1.	Whether the Tender is submitted in GeM portal for Technical Bid and Price Bid?	
2.	Whether Technical Bid contains the following	
2.1	Checklist for meeting Eligibility Criteria with all documentation as detailed	
	Bidder's undertaking covering letter in the Letter Head shall be signed by the authority, stamped and submitted.	
2.2	"Tender Offer" as per this Tender document in Bidder's Letter Head shall be signed by the authority, stamped and submitted.	
2.3	"Profile of the Bidder" as per this Tender Document to be filled up, signed and stamped	
2.4	Signed and stamped Letter of Authorization or Power of Attorney for signing the Tender document shall be submitted.	
2.5	All sections covered in the Tender document in full shall be signed by the authority, stamped and submitted	
2.6	Whether Earnest Money Deposit (EMD) amount as specified in the Tender shall be submitted	
2.7	In case of claiming exemption from EMD, valid document/ certificate for exemption of EMD from NSIC/Similar Government authorities shall be submitted	
	Filled up Technical Bid and Profile of bidder shall be signed by the authority, stamped and submitted	
	Unfilled price bid format shall be signed by the authority, stamped and submitted	
	All supporting documents for proving the Eligibility Criteria shall be signed by the authority and stamped in all pages	
	Supporting documents to meet the Eligibility Criteria	YES or NO
	a) All the supporting documents to meet the Eligibility Criteria as laid down in the Tender under Eligibility Criteria shall be signed by the authority and stamped	
	b) Bidder's Certificate of Incorporation or Registration	
	c) Balance Sheet and Profit & Loss accounts for the past three year should be submitted.	
	g) Clientele list for the SPV power plants installed	
2.8	Declaration in Letterhead that all items used shall be as permitted under "Approved list of Makes and Materials " issued by Ministry of New and Renewable Energy vide latest notification.	

2.9	Following Test Certificates & Reports as per ' Technical Specifications'	
	i. SPV Modules	
	a) IEC 61215 / IS 14286 for Crystalline Silicon Terrestrial PV Modules	
	b) IEC 61730 Part 1 & 2	
	c) IEC 61701	
	d) STC performance certificate	
	ii. System Components (for PV Power Plants)	
	a) Power Conditioners/Inverters –IEC 61683 & IEC 60083-2(1,2,14,30),IEC62116,IEC62109/Equivalent standards	
	b) Cables- IS: 1554/IEC 60502 AND IS 694/IEC 60227 or Equivalent IS standard	
	c) Switches/Circuit Breakers/ Connectors – IS/IEC 60947 Part I,II,III & EN 50521	
	d) Junction Boxes / Enclosures of Inverters- IP 65 & IEC 62208	
2.10	Technical Data Sheets as per this Tender Document are fully filled up and enclosed	
3.	Whether Price Bid contains the following	
3.1	Whether submitted in GeM Portal	
3.2	Whether write up on present Tax structure applicable is enclosed? (refer to Clause 8 of General Conditions of Contract)	

SIGNATURE OF THE CONTRACTOR WITH SEAL

## GENERAL RULES AND INSTRUCTIONS FOR THE GUIDANCE OF BIDDERS

1. Tenders in GeM portal on item rate basis are invited from the competent contractors with sound technical and financial capacity for the subject work, by Andhra Pragathi Grameena Bank, Premises, Maintenance and Services Department-Head Office hereinafter known as the Employer and also as Bank, for the Supply, Installation, Commissioning & Maintenance of 125 KWp ON-GRID Rooftop Solar Photo Voltaic Power Plant and 98 KWp OFF-GRID Rooftop Solar Photo Voltaic Power Plant at the locations mentioned below:

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34	Narasapuram	2102	Rajampeta	3	OFF GRID	
	<b>Total</b>			<b>223</b>		

2. Scope of work covers the Supply, Installation, Testing Commissioning & Maintenance of 125 KWp ON-GRID Rooftop Solar Photo Voltaic Power Plant and 98 KWp OFF-GRID Rooftop Solar Photo Voltaic Power Plant. The Contractor has to take all permits, No Objection Certificates (NOC), approvals and other liaison works with all concerned Non -statutory and statutory agencies like APSPDCL for satisfactory completion and integration with the grid. Any deviation will not be accepted under any circumstance. Insuring the goods in transit as well as the commissioned system during 5 years comprehensive maintenance period is the responsibility of the bidders. The comprehensive maintenance shall include preventive maintenance service visits monthly till the completion period of comprehensive maintenance. The maintenance shall include replacement of all parts or components found defective due to manufacturing defect or because of wear and tear. If the SPV Power Plants are not functional, the same should be repaired or restored or replaced within 2 days.

3. The tender concept is "TWO BID SYSTEM":-

- The tender submission is through GeM Portal as per the details given in the said Portal.
- No submission of Physical Documents is permitted
- BID cost and EMD if any, shall be submitted in physical copy and it shall reach us by 10.10.2024 at 05.00 PM.
- Please note to submit filled Bid Forms (as per RFP in GeM Portal).
- **The Authorized Signatory has to sign on all pages of printed bid documents, in token of having accepted all the terms and conditions of the Bid.**
- **Financial Bid :: Sum of amount quoted in GeM portal for total of 100 Kwp on Grid, 25 Kwp On Grid, 5 Kwp Off Grid and 3 Kwp off grid Solar PV Plants and AMC for all Solar units as envisaged in Price Bid confirmation/Bill of Material proforma.**
- The L1 will be selected as per GeM Portal guidelines.
- Financial Bid will be opened only when Technical Bid is found to be in order and accompanied with documentary evidence supporting eligibility criteria as per above.
- The preferred bidder will be the L1 bidder for the above policy. However, the Bank reserves the right to cancel the bid, if not found according to the proposal made and the bank also reserves the right to accept or reject any tender without assigning any reason/s whatsoever.

No interest shall be allowed on the Earnest Money. Tenders without Earnest Money shall be rejected.

4. PRE BID MEETING AND CLARIFICATION TO THE TENDER:

4.1 The Vendor should inspect the site, carefully examine and understand the specifications, terms and conditions of the Tender and may seek clarifications, if required. The Vendor in all such cases seek clarification in writing in a word document (.doc) in the same serial order of that of the Tender by mentioning the relevant page number and clause number of the Tender. pre-bid query should be in the

following format.

S.No	Page No	Tender Clause No	Tender Clause	Query

No oral or individual consultation shall be entertained. No queries will be entertained from the Vendors after the pre-bid meeting.

**INTEGRITY PACT:** Integrity Pact format is enclosed as Annexure – 1. The same to be duly filled in a non judicial stamp paper of Rs. 200/- and submitted along with offer. Name & details Independent External Monitor (IEM) identified for this Tender/RFP are as under:

- a) Smt Dolly Chakrabarty, IA & AS (Retd)- E-mail: dollychakrabarty@gmail.com
- b) Sri Hem Kumar Pande, IAS (Retd)- E-mail: hempande@nic.in

Only those tenderers, who commit themselves to the above pact with the Bank, shall be considered eligible for participate in the tendering process. Those bids/ tenders which are not containing the above pact are liable for rejection. Integrity pact shall be signed by the person who is authorized to sign the Bid.

#### 4.2 Pre-Bid meeting:

A pre-bid meeting of the intending Vendor will be held as scheduled below to clarify any point /doubt raised by them in respect of this Tender document:

Date	Time	Venue
27.09.2024	11.30 AM	At 3 <sup>rd</sup> Floor, Premises, Maintenance and Services Department, Head Office, Mariapuram, Kadapa

No separate communication will be sent for this meeting. If the meeting date is declared as a holiday under NI Act by the Government subsequent to issuance of RFP, the next working day will be deemed to be the pre-bid meeting day. Authorized representatives of interested Vendors shall be present during the scheduled time.

The Bank will consolidate all the queries and discussions during the pre-bid meeting and the consolidated replies for the queries shall be made available in the Bank's website and no individual correspondence shall be made. The replies/clarification of the Bank in response to the queries raised by the bidder/s, and any other clarification / amendments / corrigendum furnished hereof will become part and parcel of the Tender document and it will be binding on the Vendors.

Non-reply to the queries raised by any of the Vendor shall not be accepted as a valid reason for non-submission of the Tender. In addition, non-reply to any query may not be deemed the version of the Vendor as reflected in the query has been accepted by the Bank.

#### 4.3 Amendment to Tender Document:

At any time prior to deadline for submission of Tender, the Bank, for any reason, whether, at its own initiative or in response to a clarification requested by prospective bidder may modify the Tender document by amendment.

Notification of amendments will be made available on the Bank's website (<https://apgb.in/tender1.php>) and GeM portal will be binding on all Vendors and no separate communication will be issued in this regard.

In order to allow prospective Vendors reasonable time in which to take the amendment into account in preparing their tender, the Bank, at its discretion, may extend the deadline for a reasonable period as decided by the Bank for the submission of tender.

#### 5. OFFER VALIDITY PERIOD:

The Offer submitted and the Price quoted therein shall be valid for 1 Year from the date of opening of tender document i.e. Technical bid and for such further period as may be requested for by the bank upto a maximum of 1 year, and agreed to in writing by the bidder.

6. The time allowed for carrying out of the work will be not exceeding the period specified in the NIT.

7. The contractors should quote in figures as well as in words the rate, and amount tendered by them. The amount for each item should be worked out and the requisite totals given. The rates quoted shall be all inclusive rates for the item of work described, including materials, labour, tools & plant, carriage & transport, supervision, overheads & profits, mobilizing and other charges whatsoever including any anticipated or un-anticipated difficulties etc. complete for proper execution of the work as per drawings and specifications and no claim whatsoever for any extra payment shall be maintainable.

8. The rates quoted by the Contractors shall inclusive of obtaining No Objection Certificates (NOC) and other liaison works with all concerned Non- statutory and statutory agencies like APSPDCL.

9. When a contractor signs a tender in an Indian language, the percentage above or below and the tendered amount and the total amount tendered should also be written in the same language. In the case of illiterate contractors the rates or the amounts tendered should be attested by a witness.

10. Issue of tender form / documents is as per the NIT.

11. The acceptance of a tender will rest with the Employer which does not bind itself to accept the lowest tender, and reserves to itself the authority to reject any or all of the tenders received without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.

12. THE EMPLOYER RESERVES THE RIGHT TO ACCEPT THE TENDER IN FULL OR IN PART AND THE CONTRACTOR SHALL HAVE NO CLAIM FOR REVISION OF RATES/OTHER CONDITIONS IF HIS TENDER IS ACCEPTED IN PART.

13. Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.

14. All rates shall be quoted on the proper form of the tender alone. Quoted rates and units different from prescribed in the tender schedule will be liable for rejection.

14.1 Special care should be taken to write the rates in figures as well as in words and the amounts in



figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the words 'Rs.' should be written before the figure of rupees and words

'P' after the decimal figures, e.g. Rs.2.15 "P" and in case of words, the word

'Rupees' should precede and the word 'Paise' should be written at the end, unless the rate is in whole rupees and followed by the words 'only' it should be invariably be up to two decimal places. While quoting the rate is in schedule of quantities, the word 'only' should be written closely following the amount and it should not be written in the next line. However, if a discrepancy is found;

i). the rates which correspond with the amount worked out by the Contractor shall unless otherwise proved be taken as correct. (OR)

ii). if the amount of an item is not worked out by the Contractor or it does not correspond with the rates written either in figures or in words then the rate quoted by the Contractor in words shall be taken as correct. (OR)

iii) where the rates quoted by the Contractor in figures and in words tally but the amount is not worked out correctly, the rates quoted by the Contractor will unless otherwise prove be taken as correct and not the amount.

14.2 In the case of any errors or omissions in the quoted rates, and if the tender is issued in duplicate, the rates quoted in the tender marked "Original" shall be taken as correct rates.

14.3 All corrections such as cuttings, interpolations, omissions and over-writings shall be number as 'c', 'i', 'o' and 'ow' and initialed and total of such c, i, o and ow on each page certified at the end of the page with grand total at the end of the bill/schedule of quantities.

15. An item rate tender containing percentage below / above will be summarily rejected. However, where a Contractor voluntarily offers a rebate for payment within a stipulated period, this may be considered.

16. Goods & Service Tax (GST) is payable extra by Bank. Sales tax, service tax, work contract tax, or any other tax, any royalties, import duty, other duties if any, levies, cess, entry tax, Octroi, profession tax, Sales Tax, purchase tax, turnover tax, or any other tax on material or finished work in respect of this contract shall be payable by the Contractor and the Employer will not entertain any claim whatsoever in respect of the same, and nothing extra shall be paid/reimbursed for the same subsequently with exception specified in the clause 8 of the General Conditions of the contract of this tender.

17. The contractor shall give a list of his relatives, if any, working with the Employer along with their designations and addresses.

18. No employee of the employer is allowed to work as a contractor for a period of 2 years of his/her retirement from the employer services, without the previous permission of the employer. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the employer as aforesaid before submission of the tender or engagement in the contractor's service.

19. The tender for the works shall remain open for acceptance for a period of 180 days from the date of opening of tenders. If any Contractor withdraws his tender before the said period or makes any

modifications in the terms and conditions of the tender which are not acceptable to the Employer, then the Employer shall, without prejudice to any other right or remedy, be at liberty to forfeit full value of the earnest money as aforesaid.

20. The tender for the work shall not be witnessed by a contractor or contractors who himself / themselves has / have tendered or who may and had/have tendered for the same work. Failure to observe this condition would render tenders of the contractors tendering as well as witnessing the tender liable to summary rejection.

21. It will be obligatory on the part of the Contractor to tender and sign the tendered documents for all the component parts and that, after the work is awarded, he / they will have to enter into an agreement for each component with the competent authority of the Employer.

22. Further the Contractor shall agree that until a formal agreement is executed and signed, this tender shall constitute a binding contract between the Contractor and the Employer. The stamp paper of requisite value as per State Governments should be borne by the Contractor.

23. The Contractor, apart from being a competent contractor must associate himself with agencies of appropriate class who are eligible to tender for other related works connected directly or indirectly with the contract and employed by the employer.

23.1. The Employer does not bind itself to accept the lowest or any tender and reserves to itself the right of accepting the whole or any part of the tender and the Contractor shall be bound to perform the same at the rate quoted.

23.2 Contractor are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the site and dimensions, the means of access to the site, and obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender.

23.3 A Contractor shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. Submission of a tender by a Contractor implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors bearing on the execution of the work.

24. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Employer shall be communicated to the Employer.

25. Method of Evaluation of tender: All the competitive tenders will be received on the specified date and time. On the same day or on specified date & time in event of any compelling circumstances, the tender will be opened in the presence of the available Contractors.

25.1 The "Technical Bid" will be opened and details of EMD etc., shall be recorded. Incomplete offers and offers not accompanied by the mandatory documents and EMD shall be rejected. The date of Price bid opening shall be subsequently intimated to the bidders who are provisionally shortlisted after Technical Bid evaluation.

25.2 Voluntary submission of the supplementary Price bid by the contractor / Contractor shall not be accepted and supplementary bids shall be limited to the details sought for by the Employer only. Any other un-related Price variations furnished in supplementary Price bids shall not be recognized and might be liable for rejections if undue information are furnished.

25.3 In case of other un-successful Contractors, the EMD shall be returned treating it individually after finalizing the L1 vendor.

The Employer reserves the right to accept or reject any of the offer's without assigning any reason and no dispute or negotiation will be entertained in this regard. The Employer's decision will be final in the matter.

25.4 Techno Economic evaluations:

Being a techno - economical project, besides the capital cost, Comprehensive AMC charges for 5 years after completion of defect liability period will also be evaluated.

Therefore, the Contractors / contractors shall furnish the AMC charges in the Price bid for 5 years. Terms of AMC including details regarding the scope of AMC, details of spares, consumables & equipments covered and also details of exclusions are as detailed in the tender.

25.5 In case of quoting for very low abnormal AMC rates, Bank reserves the right to seek for the Performance Guarantee to the extent of 10% of the project cost throughout the 10-year period (5 year Defect Liability period and 5 years under CMC)

26. The minimum annual generation guarantee of solar power should be as per the clause 19 of "Technical Specifications of SPV Power Plant".

27. The successful Contractor/contractor, on acceptance of his tender by the Accepting Authority, shall, within 7 days from the stipulated date of start of the work sign on a stamp paper the contract consisting of :-

(a) Standard form of Agreement & Indemnity Bond on stamp paper.

(b) Notice inviting tender, all the documents including tender, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto. General Conditions, Schedules leading to Technical Specification, Special Conditions, Technical Brochures in schedules submitted by the Contractor etc.,

(c) Price Bid / Schedule Bill of Quantities.

#### PURCHASE PREFERENCE:

Purchase Preference to Micro and Small Enterprises (MSEs) and Startups and Purchase Preference linked with Local Content (PP-LC) shall be applicable subject to full compliance of other terms and conditions of the tender and Contract. Following are the conditions applicable as per the Government of India Guidelines on Purchase Preference:

##### 1. Micro & Small Enterprises [MSEs]:

Procurement through MSEs (Micro & Small Enterprises) will be done as per the Policy guidelines issued by the Ministry of Micro, Small & Medium Enterprises vide Gazette notification no. D.L.-33004/99 dated

23.03.2012 and as amended from time to time. Following are the conditions applicable as per the Government of India Guidelines

- 1.1. MSEs should provide proof of their being registered as MSE (indicating the Terminal Validity Date of their Registration) for the item under Tender/ RFP along with their offer, with any agency mentioned in the Notification, including:
    - 1.1.1. District Industries Centres or
    - 1.1.2. Khadi Village Industries Commission or
    - 1.1.3. Khadi & Village Industries Board or
    - 1.1.4. Coir Board or National Small Industries Corporation or
    - 1.1.5. Directorate of Handicrafts & Handloom or
    - 1.1.6. Any other body specified by the Ministry of Micro, Small & Medium Enterprises.
    - 1.1.7. For ease of registration of Micro and Small Enterprises (MSMEs), Ministry of MSE has started Udyog Aadhaar Memorandum which is an online registration system (free of cost) w.e.f. 18th September, 2015 and all Micro & Small Enterprises (MSEs) who are having Udyog Aadhaar Memorandum should also be provided all the benefits available for MSEs under the Public Procurement Policy for Micro and Small Enterprises (MSEs), Order 2012.
  - 1.2. MSEs participating in tenders, quoting price within price band of L1+15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 in a situation where L1 price is from someone other than MSE & such MSE shall be allowed to supply at least 20% of total tendered value. In case there are more than one MSEs within such price band and agree to bring down their price to L1, the 20% quantity is to be distributed proportionately among these Bidders.
  - 1.3. MSEs are exempted from paying Application fee/cost & EMD, subject to furnishing of valid certificate for claiming Exemption.
  - 1.4. The Eligible MSEs who intend to match the L1 Price (ultimately decided by the Bank) shall indicate the willingness to match the L1 Price within 6 working days from the date of communication from the Bank to avail the purchase preference.
  - 1.5. Bidder has to submit as self-declaration accepting that if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the RFP, they will be suspended for the period of three years from being eligible to submit Bids for contracts with Andhra Pragathi Grameena Bank as per Form PP-B.
  - 1.6. The aforesaid Policy is meant for procurement of only goods produced and Services rendered by MSEs and not for any trading activities by them. An MSE unit will not get any Purchase Preference over any other MSE Unit.
  - 1.7. The details are available on web site [dcmsme.gov.in](http://dcmsme.gov.in). Interested vendors are requested to go through the same for details.
2. Startup:
- 1.1. Applicable for Indian Bidders only as defined in gazette notification no. D.L33004/99 dated 11.04.2018 of Ministry of Commerce and Industry and as amended from time to time.
  - 1.2. As mentioned in Section-II of O.M. No.F.20/2/2014-PPD(Pt.) dated 20.09.2016 of Procurement Policy Division, Department of Expenditure, Ministry of Finance on Prior turnover and prior experience, relaxations may be applicable for all Startups [whether Micro & Small Enterprises (MSEs) or otherwise] subject to meeting of the quality and technical specifications specified in tender document.
  - 1.3. Further, the Startups are also exempted from submission of Tender Fee and EMDs.

1.4. For availing the relaxations, bidder is required to submit requisite certificate towards Startup enterprise registration issued by Department of Industrial Policy and Promotion, Ministry of Commerce and the certificate should be certified by the Chartered Accountant (not being an employee or a Director or not having any interest in the bidder's company/firm) and notary public with legible stamp.

1.5. Bidder has to submit as self-declaration accepting that if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the RFP, they will be suspended for the period of three years from being eligible to submit Bids for contracts with Andhra Pragathi Grameena Bank as per Form PP-B.

### 3. Procurement through Local Suppliers (Make in India):

Department of Industrial Policy and Promotion under Ministry of Commerce and Industry vide letter no. P-45021/2/2017-PP (BE-II) dated 28.05.2018 has notified revised guidelines to be followed to promote manufacturing and production of goods and services in India under "Make in India" initiative.

2.

2.1. "Local Supplier" means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed under the aforesaid order or by the competent Ministries/Departments in pursuance of the aforesaid order.

2.2. The minimum local content shall be 50% in general (unless otherwise prescribed by the Nodal Ministry) and the margin of purchase preference shall be 20%.

2.3. For award of contract, the following clauses shall be applicable in addition to other provisions in the bidding document in this regard:

2.3.1. In procurement of goods, services or works in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of goods or services or works is more than Rs. 50 lakhs, the provisions of sub-paragraph 3.3.2 or 3.3.3, as the case may be, shall apply;

2.3.2. In the procurements of goods or works which are not covered by paragraph 3.3.1 and which are divisible in nature, the following procedure shall be followed:

2.3.2.1. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.

2.3.2.2. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case, some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.

2.3.3. In procurement of goods or works not covered by sub-paragraph 3.3.1 and which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed:

2.3.3.1. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.

- 2.3.3.2. If L1 bid is not from a local supplier, the lowest bidder among the local suppliers will be invited to match L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching L1 price.
      - 2.3.3.3. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.
- 2.4. Purchase preference for domestic manufacturer/local supplier, methodology of its implementation, value addition to be achieved by domestic manufacturers, self-certification, compliance, monitoring and other terms & conditions shall be as per the aforesaid Guidelines/Notifications. The Guidelines may be treated as an integral part of the tender documents.
- 2.5. The preference to 'Public Procurement (Preference to Make in India) Order 2017' shall be subject to meeting technical specifications and full compliance of other terms and conditions of the RFP and Contract.
- 2.6. The Bidder quoting value upto Rs. 10 Crores shall be required to provide self-certification (as per Form PP-C) along with the bid that the item offered meets the minimum local content in terms of para 9(a) of the Public Procurement (Preference to Make in India) Order 2017. Bidder shall also submit the list of items / services to be procured from Indian manufacturers / service providers. Bidder has to provide the value & percentage of the local content in price bids.
- 2.7. If Bidder is quoting more than Rs. 10 Crores in their Commercial Proposal, then Bidder has to submit a certificate (as per Form PP-D) from statutory auditor of the company (in case bidder is a company) or from a practicing Cost Accountant or practicing Chartered Accountant (in case bidder is not a company) along with his bid in terms of para 9(a) of the Public Procurement (Preference to Make in India) Order 2017. Bidder has to provide the value & percentage of the local content in price bids.
- 2.8. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules issued by the Ministry of Finance for which a bidder or its successors can be debarred for up to two years as per Rule (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- 2.9. All the relevant documents/information regarding claim for preferential treatment under this policy must be submitted along with offer by the tenderers. Post tender submission of these information/documents shall not be considered. Further firms seeking these considerations shall be completely responsible for the truthfulness and authenticity of their claim for these benefits.
- 2.10. Ministry of Electronics and Information Technology (MeitY):

In furtherance of the Public Procurement (Preference to Make in India) Order 2017 notified vide reference cited above, Ministry of Electronics and Information Technology, Government of India has notified ten (10) electronic products vide reference F.No.33(1)/2017-IPHW dated 14.09.2017.

  - 2.10.1. Domestic Manufacturers are required to indicate the domestic value addition/Local Content in terms of Bill of Material (BoM) for the quoted products, in terms of aforesaid guidelines, in their bid. Bidders, claiming to bid in the status of domestic manufacturer/local supplier on behalf of domestic manufacturer are also required to give an undertaking in the format as given in MeitY Form-1.

2.11. Department of Telecommunications (DoT):

In furtherance of the Public Procurement (Preference to Make in India) Order 2017, Department of Telecommunications, Ministry of Communications, Government of India has notified Thirty-Six (36) Telecom Products, Services and Works vide reference No. 18-10/2017-IP dated 29.08.2018.

2.11.1. Domestic Manufacturers are required to indicate the domestic value addition/Local Content in terms of Bill of Material (BoM) for the quoted products, in terms of aforesaid guidelines, in their bid. Bidders, claiming to bid in the status of domestic manufacturer/local supplier on behalf of domestic manufacturer are also required to give an undertaking in the format as given in DoT Form-1.

2.12. Andhra Pragathi Grameena Bank shall also have the authority to audit as well as witness production processes to certify the achievement of the requisite local content and/or to obtain complete back up calculation.

3. In case a bidder is eligible to seek benefit under Purchase PP-LC policy as well as PPP for MSE 2012, then the bidder should categorically seek benefits against only one of the two policies i.e. either PP-LC and MSE policy in Form PP-A. The option once exercised cannot be modified subsequently.
4. Purchase preference benefits shall be extended to the bidder based on the declared option subject to the bidder meeting the requirements contained in that purchase preference policy.
5. In case a MSEs bidder opts for purchase preference based on PP-LC, he shall not be entitled to claim purchase preference benefit available to MSE Bidders under PPP-2012. However, the exemptions from furnishing Bidding Document fee and Bid security/EMD shall continue to be available to MSE Bidders
6. For price matching opportunities and distribution of quantities among bidders (bidder's option to avail any one out of two applicable purchase preference policies, i.e., PP-LC-2017 or PPP-2012 will be considered), the precedence shall be in the following order:
  - 7.1 Public Procurement Policy for MSE 2012
  - 7.2 Purchase Preference linked with Local Content (PP-LC).

**TENDER - OFFER**

I/We have read and examined the Notice Inviting Tender, prequalification criterion, proforma filled in by the successful Contractor, Schedules, Specifications Applicable, Drawings and Designs, General Rules and Instructions, General Conditions of Contract, Special conditions, Schedule (Bill) of quantities in Price Bid, and all other documents referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Employer within the time specified at the rates specified in the attached Price Bid viz., schedule of quantities and in accordance in all respects with the specifications, designs drawings and instructions in writing referred to in the General Rules and Instructions, General Conditions of Contract and in all respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for 180 (One Hundred and Eighty days) from the due date of opening of tender thereof and not to make any modifications in its terms and conditions. A sum of Rs.....is hereby forwarded as earnest money in form of Demand Draft of ..... (Name of the issuing Schedule Commercial Bank) bearing no. .... and date .....

In the event of my / our failure to commence the work on the specified date after award I/We agree that the Bank shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by it towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

I/We hereby declare that I/We treat the tender documents, drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any persons other than a person to whom I/We am /are authorized to communicate the same or use the information in any manner prejudiced to the safety of the State / the Employer.

I/We fully understand that you are not bound to accept the lowest or any tender you may receive. Shri. \_\_\_\_\_, Partner / Proprietor / Authorized representative of the Company, is the person authorized to negotiate PRICE, technical terms & conditions & sign on behalf of the firm any Agreement, Bills & receipts for this work.

I/We agree that until a formal agreement on stamp paper is prepared and signed, this tender with your written acceptance thereof shall constitute a binding contract between us.

Dated the: .....day of..... 2024

Signature of Contractor

Witness

Name & address:

Full Postal Address including Pin Code NO. & Telephone no

- 1).
- 2).



ACCEPTANCE

The above tender (as modified by us or negotiations as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the \_\_\_\_\_ Employer for a sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_)

The letters referred to below shall also form part of this contract agreement:

- a)
- b)
- c)

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2024

For & on behalf of the Employer

Signature: \_\_\_\_\_

Designation: \_\_\_\_\_

## **GENERAL CONDITIONS OF CONTRACT**

Except where provided for in the description of the individual items in the schedule of quantities and in the specifications and conditions laid down hereinafter and in the Drawings, the work shall be carried out as per standard specifications and under the direction of the Employer.

### **1. DEFINITIONS / INTERPRETATIONS:**

i). The 'Contract' means the documents forming the tender and acceptance thereof and the agreement duly executed between the Employer and the Contractor, together with the documents referred to therein including those conditions, the specifications, schedule of quantities, tender agreement, designs, drawings and instructions issued from time to time by the Engineer-in-Charge. All these documents taken together, shall be deemed to form one contract and shall be complementary to one another.

ii). In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them :-

a) The 'Firm', 'Contractor' or 'Supplier' or 'Contractor' or 'Contractor' shall mean the individual Kartha, or Manager of HUF, firm or Company, whether incorporated or not, undertaking the works and shall include the legal heirs/representatives of such individual or the partners composing firm and their legal heirs and successors, or company's authorized and constituted attorneys/agents and permitted assignees of such firm or company.

b) The 'Employer' or 'Bank' or 'Purchaser' means any officer of the Andhra Pragathi Grameena Bank, who is specifically authorized to enter into contracts in respect of the above works.

a) The 'Consultant' means the specialized Consultant/agency appointed by the Bank. The 'Engineer-in-Charge' means the Senior Manager, or Officer, / Engineer and/or Site Engineer who shall supervise and be in-charge of the work or any other authorized representative or person specifically deputed by the Employer wherever they are employed from time to time by the Employer.

d) "Contract Value" shall mean the final accepted rates in the Price Bid excluding AMC charges.

e) 'Date of Contract' means the 'Calendar date on which the Employer and Contractor have signed the Agreement on the Stamp Paper.

f) "Accepting Authority" shall mean the Chairman, Andhra Pragathi Grameena Bank, Premises, Maintenance and Services Department, Head Office, Kadapa.

'Approval' wherever used in the specifications or schedule of Quantities shall mean, respectively, approved by or approval of the 'Accepting Authority' in writing.

g) 'Appellant Authority' shall mean The General Manager, Premises, Maintenance and Services Department, Head Office, Kadapa (the Employer). Who shall also be the authority to consider any extension of time or compensation as defined in clause hereunder.

h) 'Notice in writing' or 'written notice' shall mean a notice in writing typed or printed characters delivered to or sent by registered post to the last known address private or business address or registered office

address, and shall be deemed to have been received when in ordinary course of post it would have been delivered, and/or delivered personally, or otherwise proved to have been received.

i) 'virtual completion' shall mean that the work/installation is complete in all respects in the opinion of the Employer and for which the completion/clearance certificate has been issued by the Engineer-in-charge and the installation is fit for usage.

i) 'Drawings' shall mean all drawings and/or design drawings furnished by the Contractor / sketches duly signed by the authorized Engineer-in-charge on behalf of the Employer before commencement or during the progress of the work.

k) 'Work Order/Letter of Acceptance' shall mean an intimation by a letter issued by the Accepting Authority of the Employer to Contractors that his tender has been accepted in accordance with the provisions in the said letter.

l) "Warranty period" or "Defect Liability period (DLP)" shall mean a period of 5 year from the certified date of virtual completion issued by the Engineer-in-charge and accepted by the Employer.

m) "Site" shall mean the Bank's own building at the captioned sites where the solar power plant is to be installed and commissioned as per tender schedule of quantities allotted by the employer for the firm's use.

#### **SCOPE OF WORKS TO BE CARRIED OUT:**

1.1 The work consists of the contractor's own design based on technical specifications furnished. The contractor / supplier shall be responsible for its functioning according to the design criteria and its parameters. Notwithstanding the details furnished, any discrepancies shall be brought out in the technical bid highlighting the shortcomings and suggest modifications.

1.2 The work to be carried out under the contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works.

1.3 The descriptions given in the Price Bid/ Schedule of Quantities shall, unless otherwise stated, be held to include wastage on material, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labour necessary and for the full and entire execution and completion as aforesaid in accordance with good engineering practice and recognized principles.

1.4 The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawing being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.

1.5 In the case of discrepancy between the schedule of quantities, the specifications and/or the Drawings, the following order of preference be observed:-

- a) Description in Schedule of Quantities/ Price Bid.
- b) Particular Specifications and Special condition, if any

- c) Drawings prepared for the design.
- d) BIS Specifications.

1.6 If there are varying or conflicting provisions made in any one or more document(s) forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on contractor.

1.7 Any error in description or quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the Contract.

1.8 The contractor shall forthwith comply with and duly execute any work comprised in such Employer's instruction, provided always that verbal instructions, directions and explanations given to the contractor's or his representative upon the works by the Employer shall if involving a variation be confirmed in writing to the contractor/s within 7 days.

1.8.1 No work for which rates are not specifically mentioned in the Priced schedule of quantities, shall be taken up without written permission of the Employer. Rates of items not mentioned in the Priced schedule of quantities shall be fixed by the Employer as provided in clause "Variation".

1.8.2 Regarding all factory made products, they shall be manufactured as per their respective IS code updated and all tests undertaken at factory. The standards and approved makes as notified by the Ministry of New and Renewable Energy from time to time shall be strictly adhered to.

2. The work shall be carried out at Bank's building the captioned branches/locations. The bidder shall visit the site and make himself thoroughly acquainted with the local site conditions, nature and requirements of works, facilities of transport condition, effective labour and materials, access and storage for materials and removal of rubbish. The bidder shall provide in his tender 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. The successful bidder will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition 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. Work shall be carried out through qualified engineer/supervisor with appropriate license as per statutory rules.

### 3. TENDERS::

3.1 The entire set of tender paper issued to the bidder should be submitted with price details filled up in full, and also signed on the last page of respective chapter (this shall be acceptance of all the pages of the tender and its stipulations) together with initials on every page. Notwithstanding this, Initials / signature in every page will indicate the acceptance of the tender papers by the Contractor.

3.2 No modifications, writing or corrections can be made in the tender papers by the Contractor, but he may at his option offer his comments or modifications in a separate sheet of paper attached to original tender papers.

3.3 The Contractors 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 correct, workable and self-supporting.

3.4 If called upon by the Employer, detailed analysis of any or all the rates shall be submitted. The Employer shall not be bound to recognize the contractor's analysis.

3.5 All items of work described in the schedule of quantities and technical specifications 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 will be allowed in this connection. In the case of lump-sum contracts, the payment of such items of work will be made for the actual work done on the basis of lump-sum charges as will be assessed to be payable by the Employer.

3.6 The Employer has power to add to, omit from any work as shown in the drawings or described in the specifications or included in schedule of quantities and intimate the same in writing but no addition, omission or variation shall be made by the contractor without authorization from the Employer. No variation shall vitiate the contract.

3.7 The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and Prices quoted in the Schedule of Quantities, which rates and Prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

#### 4. SIGNING OF CONTRACT & AGREEMENT::

4.1 The successful Contractor/contractor, on acceptance of his tender by the Accepting Authority, shall, within 7 days from the stipulated date of start of the work sign the contract consisting of :-

- a) Standard form of Agreement & Indemnity Bond on stamp paper.
- b) Standard tender Form consisting of:
  - i) Notice inviting tender, eligibility criteria, General Rules and Instructions.
  - ii) General Conditions of contract and clauses of contract along with Annexures thereto, like specification, special conditions etc.
  - iii) Bill of Quantity and Price Bid.
  - iv) List of Approved Brands/manufacturers appended, if any.

4.2 Contractor shall sign an Indemnity Bond in Bank's approved format (FORMAT ATTACHED) before starting the work, indemnifying the Bank from any damages, prosecution, other legal suits and claims arising out of any mishaps occurring at the site due to faulty work, non fulfilling safety precautions, faulty construction and for violating any statutory rules and regulations for which the contractor shall be solely responsible.

4.3 The contractor shall pay for all stamps and legal expenses, incidental thereto.

#### 5. PERMITS AND LICENCES::

5.1 Permits and licenses for the release of materials or its purchases which are under Government control will be arranged by the successful bidder. It may be clearly understood that no compensation or additional charges can be claimed by the contractor for non-availability of such materials in due time

on this account or according to his own requirements.

5.2 The successful bidder may, however, be eligible to a proportionate extension of time on this account which in the opinion of the Employer is reasonable.

#### 6. GOVERNMENT AND LOCAL RULES::

The contractor shall conform 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 whose system and design is proposed to be connected / utilized. The cost, if any, shall be deemed to have been included in his quoted rates, taking into account all liabilities and shall indemnify the Employer against such liabilities and shall defend all actions arising from such claims or liabilities.

#### 7. TAXES AND DUTIES ::

Goods & Service Tax (GST) shall be payable extra by Bank. The tendered cost must include all duties royalties, cess and or any other taxes or local charges if applicable. No extra claim will be entertained with exception herein specified below.

The bidders must include in their tendered cost all duties, royalties, cess, Work contract tax and sales tax or any other taxes or local charges like octroi etc. if applicable except in the AMC cost which is exclusive of goods & service tax and inclusive of all other taxes. No extra claim on this account will in any case be entertained. However, pursuant to the Constitution ( Forty Sixth Amendment) Act, 1982, if any further new tax, royalties cess or levy is imposed by Statute, and any Central Excise Duty by the Central Government on the Main Equipment and not on any type of sub-components or material involved in its manufacture or on installation materials like piping or electrical cabling, its switch gears etc., after the date of receipt of tenders, and the contractor there upon necessarily and properly pays such taxes / levies the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Employer ( whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor. On account of any downward revision of such taxes / levies, the benefit shall be passed on to the Employer and shall be binding on the contractor even without the claim by the Employer.

ii). The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorized representative of the Employer and / or the Engineer-in-charge and further shall furnish such other information / document as the Employer may require from time to time.

iii). The contractor shall, within a period of 30 days of the imposition of any such further tax / levies, described above, give a written notice to the Employer that the same is given to pursuant to this condition, together with all necessary information relating thereto.

For this purpose the Contractors are requested to furnish the present tax structures separately with the PRICE bid.

8. No optional items should be quoted in the tender.

#### 9. QUANTITY OF WORK TO BE EXECUTED:

The quantities shown in the schedule of quantities are intended to cover the entire works as per the drawings / scope of work, and therefore the contractor is bound to complete the works at the same quoted rates in the event of quantity exceeding the specified bill of quantity, but the Employer reserves

the right to execute only a part or the whole or any excess thereof without assigning any reason therefore.

#### 10. OTHER PERSONS OR AGENCIES ENGAGED BY THE EMPLOYER:

The Employer reserves the right to execute any part of the work included in this contract by other agency or persons and contractor shall allow reasonable facilities and use of his facilities for the execution of such work. The main contractor shall extend all co-operation in this regard.

Wherever the work is proposed in co-ordination with other agencies, the contractor shall co-operate with the schedule of works in such a manner as worked out by the Architect / Engineer-in-charge of the Employer.

#### 11. EARNEST MONEY, RETENTION MONEY & TOTAL SECURITY DEPOSIT::

Earnest Money Deposit: The Contractor will have to deposit the specified amount of earnest money as detailed in the notice inviting tender at the time of submission of tender. However, those who have valid registration with MSME as on the date of submission of bids are exempted from payment of EMD. However, those who have exemption certificate from NSIC/Similar Government authorities as per provision of MSME Act will be exempted from submission of EMD subject to the submission of valid document/certificate to that extent.

No interest will be paid on the earnest money. The earnest money of unsuccessful Contractors will be refunded without any interest soon after the decision to award the work is taken or after the expiry of the validity period of the tender.

The successful Contractor to whom the contract is awarded will have to deposit as initial security deposit a sum to make up 2% of the value of the accepted tender. The initial Security Deposit will have to be made within 7 days from the date of acceptance of tender, failing which the Employer at his discretion, without prejudice to any other rights/remedies available under the terms of this Contract may revoke the letter of acceptance and forfeit the Earnest money deposit furnished along with the tender. The initial Security Deposit will not yield any interest & shall be held at Bank's end for the duration of the contract period.

Apart from the initial security deposit made as above, retention money shall be deducted from progressive running bills @ 8% of the gross value of each running bill until the total security deposit, i.e., the initial Security Deposit plus the retention money equals 10% of the cost of work.

retention amount will be refunded to the contractor, after deducting any sum due from the contractor on any account under this contract, 14 (fourteen) days after the end of Defect Liability period provided, the contractor has satisfactorily carried out all the work and attended to all defects in accordance with the conditions of the contract.

The Security Deposit shall be by way of Demand Draft drawn in favour of Andhra Pragathi Grameena Bank, payable at Kadapa or by way of Bank Guarantee obtained from any Scheduled Commercial Bank other than Andhra Pragathi Grameena Bank.

No interest is allowed on retention money.

A part of the Security Deposit if and as decided by the bank can also be furnished in the form of a bank guarantee from a Bank other than Andhra Pragathi Grameena Bank.

### 13.1 CONTRACTOR TO PROVIDE EVERY THING NECESSARY:

- i). The contractor shall provide everything necessary for the proper execution of the work according to the intent and meaning of the design parameters, technical specifications, drawings and Price Bid/schedule of quantities, based on the details furnished in the Notice Inviting Tender. The contractors should undertake their own assessment and design the plant and system required. If the contractor finds any discrepancies furnished it shall immediately brought to the notice of the Employer.
- ii). The Contractor shall take full responsibility for adequacy, suitability and safety of all the design, works and methods of design / installation.
- iii). The employer shall on no account be responsible for the expenses incurred by the contractor during the progress of work at site, towards any incidental expenditure like medical amenities to the workers at site, security arrangement etc. The employer shall not be responsible for the safety of the workers at site either on account of the works executed by the contractor or on account of the works executed by any other agency involved at that time.
- iv). The Employer on no account shall be responsible for storage of materials or loss or pilferage or theft either in respect of the material stored or material already built and paid for by the Employer.
- v). The contractor shall at all times give access to workers employed by the Employer.
- vi). All tools, equipments and other required facilities for execution of work shall be provided by the contractor.
- vii). Any facilities available at site shall be utilized only with prior permission of the Employer or the in-charge of the site / building owner and cannot be taken as granted and for such services utilized the Employer is entitled to charge at his discretion.

13.2 No extra charges shall be paid over and above what has been quoted for any of the above or for similar such services.

### 14. TIME OF COMPLETION, EXTENSION OF TIME & PROGRESS CHART::

- i). Time of Completion: 60 days from the date of work order acceptance by the Vendor including Mobilization period.

The entire work is to be completed in all respects within the stipulated period. The work shall be deemed to commence from the date of issue of work order from the date of acceptance letter or date of handing over site, whichever is earlier. Time is the essence of the contract and shall be strictly observed by the contractor.

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

#### ii). EXTENSION OF TIME::

- (a) The time allowed for execution of the Works by the Contractor as specified or the extended time in accordance with these conditions shall be the essence of the Contract. If the contractor commits default in the execution of the work as aforesaid, the Employer shall without prejudice to any other right or remedy available in law be at liberty to forfeit the earnest money absolutely.



(b) Request for extension of time, to be eligible for consideration, shall be made by the contractor to the accepting authority in writing within fourteen days of the happening of the event causing delay. The contractor shall also, if practicable, indicate in such a request the total period for which extension is desired, overlapping period, if any, with earlier events causing delays.

(c) In such case the authority may give a fair and reasonable extension of time for completion of work. Such extension shall be communicated to the contractor by the Employer in writing, within 3 weeks of the date of receipt of such request. Non application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Employer and this shall be binding on the contractor.

(d) The decision of the Employer for an extension of time for completion hereunder ( which decision shall be final and binding on the contractor) shall be promulgated on completion of the work or at the conclusion of such events based on which the extension of time was sought by the contractor, and the Employer shall then, in the event of an extension being granted, determine and declare the final completion date. The provision in clause 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 work, the contractor shall maintain proportionate progress on the basis of a programme chart submitted by the contractor or prepared by the Engineer in charge whoever is responsible for such programme of work. Contractor shall plan for procurement of materials, equipments well in advance and reflect the same in a progress chart so that there is no delay on the part of the contractor in completion of the project. Maintenance and production of such records as and when required shall be the responsibilities of the contractor.

15. LIQUIDATED DAMAGES::

Time is the essence of the contract. Thus the Contractor shall be aware and take note that non-supply or commissioning of the equipment / system will affect the Banks committed programs and thus the loss by way delayed services /completion of related works etc, are invaluable and cannot be easily assessed. Therefore, it is part of the agreed terms that in the event of any delay in completion of the work, the Bank is liable to charge the Contractor without the necessity of providing for any details of such losses suffered by the Bank.

15.1 If the contractor fails to maintain the required progress in terms of the contract or to complete the work and clear the site on or before the contract or approved extended date of completion, he shall, without prejudice to any other right or remedy of the Employer on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below or such smaller amount as may be fixed by the employer on the contract value of the work for every completed week that the progress remains incomplete.

15.2 For this purpose the term `Contract Value' shall be value at the contract rates of the work as ordered / accepted and the Contract value does not include the AMC cost.

If the Contractor fails to complete the works within the time for completion stated in the tender or within any extended time under Clause 14.ii hereof, the Contractor shall pay the Employer the sum at the rate of 0.5 % of the Contract Value per week of delay subject to a maximum limit of 5 % of the Contract Value as "Liquidated damages" for the period during which the said works shall so remain incomplete or the

Employer may deduct aforesaid sum towards such damages from any monies due to the Contractor.

15.3 The Employer shall have the right to adjust, / set-off against any sum payable to the contractor under this or any other contract with the Employer anywhere in India/outside India.

16.1 TOOLS, STORAGE OF MATERIALS, PROTECTIVE WORKS AND SITE OFFICE REQUIREMENTS::

The contractor shall provide, fix up and maintain his establishment in an approved position at site and clear away on completion of the works and make good all works disturbed. 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 hoarding, gantry, building structure other than those approved by the Employer. No fixtures or materials to be placed in such a manner that can be considered dangerous to the installation and to the persons working or passing by or visiting the site.

16.2 Storage of materials: The contractors shall make use of existing facilities with due permission of the Employer for storage of materials at site, but watch & ward arrangements for the safety of materials shall be the responsibility of the contractor. Additional covered space required if any, shall be arranged at the Contractor's own cost in the open space identified/ear marked by the Bank.

17. NOTICE AND PATENTS OF APPROPRIATE AUTHORITY AND OWNERS::

17.1 The contractor shall conform to the provisions of any Acts of the Legislature relating to the work, and to the regulations and bye-laws of any authorities, and or other Companies (Indian or International), and / or Statutory Authorities, with whose system and design or technical know-how are/were proposed to have connection with this work. So also the contractor shall before making any variations from the drawings or specification that may be associated to so conform, give the Employer written notices specifying the variations proposed to be made and the reasons for making them and apply for instruction thereon. The Employer on receipt of such intimation shall give a decision within a reasonable time.

17.2 The contractor shall arrange to give all notices required for by the said Acts, regulations or Bye-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.

17.3 The contractor shall indemnify the Employer against all claims in respect of patent rights, royalties, damages to buildings, roads or members of public in course of execution of work and shall defend all actions arising from such claims and shall keep the Employer aloof and indemnified in all respects from such actions, cost and expenses.

18. CLEARING SITE AND SETTING OUT WORKS::

18.1 The site of work shown shall be cleared of all obstructions, waste materials, rubbish of all kinds. All material damages on the place of work on the walls, ceiling or flooring or any other connected equipments, materials or installations shall be re-done to maintain the originality and leveled at the contractors own cost.

18.2 The contractors shall set out the works and shall be responsible for the true and perfect setting out the works and for the correctness of the positions, levels, dimensions and alignment of all parts thereof. If at any time, any error shall appear during the progress of any part of the work, the contractor shall at his own expenses rectify such error, if called upon to the satisfaction of the Employer.

## 19. FIXING, FASTENING OF EQUIPMENTS::

19.1 The contractor is to fix the equipments on the floor by means of appropriate method so that such equipments fixed on to the floor shall not fall by its own or by natural movements of wind, air normal human operations and shall adopt the best engineering traditions and use appropriate tools in such operations.

19.2 The contractor while fixing any material or equipment to be suspended from the ceiling, shall use fasteners of suitable strength to hold the weight of the suspended system/equipment or material and such fasteners shall be fixed by means of power drills. The contractor shall not chip the ceiling unless ordered & approved by the Engineer- in-charge.

19.3 The contractor shall not puncture the existing civil structures like beams, columns and shall not undertake any type of activity which could affect the structural stability. He shall be responsible for any damages and costs in its rectification.

## 20. CONTRACTOR IMMEDIATELY TO REMOVE ALL OFFENSIVE MATTERS ::

All waste materials and other matters of any offensive nature shall be taken out once the works are completed. The contractor shall keep the works free from dangerous materials like industrial gases, welding machines and any such devices or material of toxic and poisonous nature shall not carry within the site or building any material which are explosive in nature. Any such offensive materials which are essentially required in course of work shall be undertaken with due written permission of the Employer provided such materials are permissible under Law.

## 21. ACCESS ::

Any authorized representatives 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 or equipments 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 extend necessary facility to the Employer or their representatives for inspection examination and testing of the quality & workmanship of the materials.

## 22. MATERIALS, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS::

22.1 All the works specified and provided for in the specifications or which may be required to be done in order to perform and complete any part thereof shall be executed in the best and most workmanlike 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. The works shall be executed with best workmanlike manner conforming to MNRE Guidelines, BIS Specifications, Indian Electricity Act & Rules, Statutory norms prescribed by local bodies like APSPDCL, CEIG/Electrical Inspectorate, Govt. of Andhra Pradesh etc.

22.2 If required by the Employer, the contractor shall have to carry out tests on materials and workmanship in approved material testing laboratories or as prescribed by the Employer at his own cost to prove that the materials etc. under test conform to relevant I.S. Standards or as specified in the specifications. The necessary charges for sample material, transporting, testing etc. shall have to be borne by the contractor.

22.3 All materials must be the best of their kind available and the contractors must be entirely

responsible for the proper and efficient carrying out of the work. Samples of all the materials to be used must be submitted to the Employer when so directed by the Employer.

22.4 Should the work be suspended by any reason, the contractor shall take all precautions necessary for the protection of work and at his own expenses shall make good any damages arising from any of these causes.

### 23. REMOVAL OF IMPROPER WORK::

23.1 The Employer shall during the progress of the work have power to order in writing from time to time the removal from the work within such reasonable time or times as may be specified in the order of any materials which in the opinion of the Employer are not in accordance with specification or instructions, the substitution or proper re-execution of any work executed with materials or workmanships not in accordance with drawings and specifications or instructions.

23.2 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 thereto as certified 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.

### 24. CONTRACTOR'S EMPLOYEES::

24.1 The contractor shall employ technically qualified and competent supervisors for the work who shall be available (By turn) throughout the work and shall participate during site meetings and be available to take and comply with instructions of the Employer. In case of electrical works as per statutory Acts & Rules of Electricity Board and Electrical Inspectorate, the persons so employed shall have the requisite supervisory permit or wireman permit for appropriate nature of work undertaken.

#### 24.2 No Child Labour :

No labour below the age of eighteen years shall be employed on the work. In case of electrical works, the labour employed by the Contractor or their sub-contractor should be authorized person as permitted by the Chief Electrical Inspectorate office of the respective state Government. The Employer shall not be responsible for any deviation and the Contractors shall indemnify the Employer from any legal action or in any way directly or indirectly.

#### 24.3 Labour Legislation::

The Contractor shall comply with the provisions of the payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractors Labour (Regulation and Abolition) Act 1970, or the modifications thereof or any other laws relating thereto and the rules made there under from time to time.

24.4 The Contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour indirectly engaged on the work, including any labour engaged by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him.

24.5 The Contractor shall indemnify and keep indemnified the Employer against payments to be made under and for the observance of the laws aforesaid and the Contractors' Labour Regulations without prejudice to his right to claim indemnify

from his sub-contractors. The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.

#### 24.6 COMPLIANCE OF LABOUR REGULATIONS:

i) The Contractor shall at his own expense arrange for all the safety provisions for the safety of all workers and employees directly or indirectly employed on the work by the Contractor or his sub-contractors as mentioned in the Safety Code of this tender.

ii) The Contractor shall be fully responsible for compliance at his own expense all the labour regulations and rules to be observed by him and his sub-contractors and by the Employer as Principal Employer of workers. The Contractor shall fully indemnify the Employer against any action by the state and/or Central Government for any default or alleged default by the Contractor, Sub-contractor of any of such rules and regulations. If, due to any default of the Contractor or his sub-contractors, the Employer has to incur any expenditure for compliance of the rules and regulations or for any other reason connected with such default, the Employer shall be entitled to recover from the Contractor all such expenditure in full from any payment due to the Contractor.

#### 25. DISMISSAL OF WORKMEN::

The contractor shall on request of the Employer immediately dismiss or take of from the 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 discharge shall not be the basis of any claim for compensation or damages against the Employer or any of their officers or employee.

#### 26. 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 underlet the contract or any part, share or interest therein nor, change in constitution 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.

#### 27. DAMAGE TO PERSONS AND PROPERTY INSURANCE ETC ::

27.1 Damages to persons : The Contractor shall be responsible for all injury to the work or workmen to persons, animals or things and for all damages to the structural and/or decorative part of property which may arise from the operations or neglect of himself or of any sub-contractor or of any of his or a sub-contractors 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.

27.2 The clause shall be held to include inter-alia, any damages to buildings whether immediately adjacent or otherwise, and any damage to roads, streets, footpaths 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.

27.3 The Contractor shall indemnify the employer and hold harmless in respect of all and any expenses arising from 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.

27.4 Damages to property: The Contractor shall reinstate all damage 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 parties.

27.5 The Contractor shall effect the insurance necessary and indemnify the employer entirely from all responsibility in this respect. The insurance must be placed with a company approved by the employer and must be effected jointly in the name of the contractor and the employer and the policy lodged with the latter. The scope of insurance is to include loss or damage to the work and workmen due to carelessness, accident including fire, earthquake, floods, etc., damage or loss to the contract itself till this is made over a complete state. Insurance is compulsory and must be effected from the very initial stage. The contractor shall also be responsible for anything which may be excluded from damage to any property arising out of incidents, negligence or defective carrying out of this contract.

27.6 The employer shall be at liberty and is hereby empowered to deduct the amount of any damages, compensations, costs, charges and expenses arising or occurring from or in respect of any such claim or damages from any sums due or to become due to the contractor.

27.7 If the Contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road curb, fence, enclosure, water pipe, cables, drains, electrical cables or telephone post or wires, trees, grass or grass land, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, or other faults appear in the work within twelve months after a certificate final or otherwise or its virtual completion shall have been given by the Employer as aforesaid arising out of defect or improper materials or workmanship the Contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default the Employer/Engineer-in-Charge cause the same to be made good by other workmen and deduct the expense from any sums that may be then or at any time thereafter may become due to the Contractor, or from his security deposit, or the proceeds of sale thereof or of a sufficient portion thereof.

#### 27.8 i) TRANSIT INSURANCE ::

Wherever specifically agreed to, the firm will insure at his cost the goods for all transit risks including 60 days storage risk from the date of the delivery of the goods at the final destination.

#### INSURANCE:

In his own interest the contractor shall insure the works and keep them insured until the virtual completion of the contract against loss or damages by fire and/or earthquake, flood. The insurance must be placed with a company approved by the Employer, in the joint names of the employer and the contractor for such amount and for any further sum if called to do so by the employer and lodge receipts of premiums paid with the employer within 21 days from the date of issue of letter of acceptance unless otherwise instructed.

Contractor shall strictly follow labour laws in force and obtain the necessary license for doing the work. He will be required to take care of the safety & security of the personnel employed and occupants of the flats, third parties, office equipments, building and other loose furniture's within the working area, during execution of the works. Contractor will be required to obtain Insurance policy "Erection All Risk Policy (EAR)" for the entire duration of the works till settlement of final bills as per clause 27 of this contract document. Any damage to the articles, building shall be made good by the contractor at his cost.

27.9 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.

## 28. ACCOUNTS RECEIPTS & 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 is required under the contract, the value of the difference in the quantity of the materials that was required to use and that 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 materials the contractor is required to use for any work under this contract.

## 29. MEASUREMENT::

29.1 Before taking any measurement of any work the contractor shall give reasonable notice to the representatives of the Employer or the site engineer if any, and measurements particularly concealable in nature shall be jointly taken and recorded and such statement of measurement shall be enclosed along with the bill or running bills. In the event of such measurement taken directly by the contractor the details shall be recorded and routes be marked for inspection of the engineer-in-charge.

29.2 Any deviation or discrepancies observed by the engineer-in-charge shall be brought to the notice of the contractor or their representatives and during such inspection and measurement if the contractor fails to be present the certification of the engineer-in-charge shall be final and binding on the contractor and the contractor shall have no right to dispute the same.

## 30. PAYMENT TERMS, ADVANCE PAYMENT & ITS RECOVERY::

### 30.1 Payment Terms:

Bank will not make any advance payment while awarding any job. All payments will be released from our office within 30 days of claim on submission of the invoices and proofs. The payments will be released through NEFT/ RGTS and you have to provide necessary Bank Details like Account No., Bank's Name with Branch, IFSC Code etc. Applicable TDS, if any, will be deducted at the time of releasing the payments.

Payment shall be considered for a minimum of supply, installation and commissioning of Solar PV power plants in 3 branches.

- a) 2 copies of the Supplier's invoice, inclusive of original, showing contract number, Goods description, quantity, unit price, total amount, Serial no's of the equipment, Unique Identification code provided by the Bank while awarding the order etc., one at the branch / site and the second copy at Head Office, PM & S Department
- b) Delivery & Testing report from the Branch Head / Officer-In-Charge stating that the Solar PV power plant as per the prescribed specifications.
- c) Original delivery note shall be signed by consignee or acknowledgement of receipt of goods from the consignee
- d) Manufacturer's / Suppliers Warranty Certificate, Supplier's factory inspection report shall be submitted.

### I. **AMC Payment:**

- i) The AMC renewal proposal is to be submitted at our Office at least 30 days before due date for renewal of AMC, every year.

- ii) AMC will be paid at quarterly rests on submission of all PM/CM service call reports along with invoice for the systems entrusted for AMC to the vendor.

No separate AMC Agreement needs to be executed. However, all the systems shall be properly maintained irrespective of Non-claiming/Non-renewal of AMC by the bidder in time.

However, the decision on AMC will be at the discretion of the Bank.

(1) In the event of any dispute, payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-Charge, shall be made by the employer within the period specified herein under, the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge.

- a) If the gross amount of the work done under the contract items, plus that of additional deviated items is upto Rs. 2 lakhs - 30 days.
- b) - do - exceeds Rs. 2 lakhs & is upto Rs.20 lakhs - 45 days
- c) - do - exceeds Rs.20 lakhs /- 60 days

### 31. VARIATION / DEVIATION::

The Engineer-in-Charge with the specific approval of the Employer shall have power to make alteration in, omissions from, additions to or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and the Contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-Charge. Such alterations, omissions, additions or substitution shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the Contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the Contractor on the same conditions in all respects including Price on which he agreed to do the main work except as hereafter provided.

(a) No work which radically changes the original nature of the contract shall be ordered by the Engineer-in-Charge as a deviation.

(b) In the event of any deviation being ordered which in the opinion of the Contractor changes the original nature of the Contract, he shall within fifteen days of having been so ordered bring this to the notice of the Employer with the reasons but nevertheless carry it out and the disagreement as to the nature of work and the rate to be paid therefore shall be resolved in accordance with Clause under caption "SETTLEMENT OF DISPUTES AND ARBITRATION".

c). The tendered rates, shall hold good for any increase or decrease in the tendered quantities up to variation of 15 % and as stipulated elsewhere for legitimate completion of works as per original design or scope of work and on account of any modification or alteration suggested and where the variation is for the respective item is beyond 15 %, the rate for the respective item may be reviewed on mutually agreed terms.

### 32. SUBSTITUTION::

Should the contractor desire to substitute any materials and workmanship, He must obtain the approval of the Employer in writing for any such substitution well in advance. In respect of Materials whose makes are not specified in the tender, specific approval of the Employer has to be obtained in



writing before their usage.

### 33. PREPARATORY WORK FOR UTILISATION OF THE FACILITY AFTER COMPLETION:

33.1 The whole of the work will be thoroughly inspected by the contractor and deficiencies and defects set right. On completion of such inspection the contractor shall inform the Employer that they have completed the work and it is ready for inspection.

33.2 On completion the contractor shall clean all the area and its surroundings, equipments etc. and will leave the entire area clean and ready for immediate usage to the satisfaction of the Employer.

### 34. CLEARING SITE ON COMPLETION::

34.1 On completion of the works the contractor shall clear away and remove from the site all constructional materials, plant & equipments, tools, surplus materials, scraps, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of the Employer.

34.2 In the event of failure to clear the site as required the Employer have the right to undertake the same engaging other agency and the same shall be at the cost of the contractor and liable for deductions in the payments due to the contractor and the contractor shall not dispute such payments.

### 35. CONCEALED WORKS ::

The contractor shall give due notice to the Employer wherever any work is to be buried or concealed in the building in the earth, flooring, walls or otherwise becoming inaccessible later on, in order that the work may be inspected and correct dimensions or measurements taken before such burial. In default whereof the same shall, in the opinion of the Employer be either opened up for measurement at the contractors expenses 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 matter which cannot be conveniently tested or checked, the notes / certification of the Engineer-in-charge shall be accepted as correct and binding on the contractor.

### 36. ESCALATION ::

The rate quoted shall be firm throughout the tenure of the contract (including extension of time, if any granted) and will not be subject to any fluctuation due to increase in cost of materials, labour, sales tax, octri etc. unless specifically provided in these documents.

### 37. 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.

### 38. SUSPENSION OF WORKS::

38.1 Subject to other provisions contained, the Employer may without prejudice to his any other rights or remedy against the Contractor in respect of any delay in commencing, completing or during the progress of work or inferior workmanship, may serve notice in writing absolutely determine and cancel the contract in any of the following cases;

i) If the contractor having been given by the Employer a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in any inefficient or otherwise improper

or un-workman like manner shall comply with the requirement of such notice for a period of seven days thereafter.

ii) If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.

iii) If the contractor has without reasonable cause failed to commence the work or has suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the Employer (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continues to do so after a notice in writing of seven days from Employer.

iv) If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date (s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Engineer-in-charge.

v) If the contractor persistently neglects to carry out his obligations under the contract and/or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-charge.

vi) If the contractor commits any acts mentioned in terms of tender hereof: And when the contractor has made himself liable for action under any of the cases aforesaid, the Employer shall have powers ::

a) To determine or rescind the contract of which termination or rescission notice in writing to the contractor under the hand of the Employer shall be conclusive evidence. Upon such determination or rescission, the security deposit of the contractor shall be liable to be forfeited and shall be absolutely at the disposal of Employer.

b) In any such event the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provisions aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereto or actually performed under this contract unless and until the Engineer-in-charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified; Provided further that any of the recoveries to be made when the excess cost incurred by the Employer is more than the Security Deposit to be forfeited, such recoveries shall be limited to the amount by which the excess cost incurred exceeds the Security deposit so forfeited.

38.2 In any case in which any of the powers conferred upon the Employer hereof, shall have become exercisable & the same shall not be exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected.

## 39. TERMINATION OF CONTRACT BY EMPLOYER ::

### 39.1 If the contractor::

(a) at any time makes default in proceeding with the works or any part of the work with due diligence and continues to do so after a notice in writing of 7 days from the Engineer-in-Charge; or

(b) commits default in complying with any of the terms and conditions of the Contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge; or

(c) fails to complete the works or items of work with individual dates of completion, on or before the date(s) of completion, and does not complete them within the period specified in a notice in writing is given to him in that behalf by the Engineer-in-Charge; or

(d) shall offer or give or agree to give to any person in Bank service or to any other person on his behalf any gift or consideration as an inducement or reward for favoring him in relation to the obtaining or execution of this or any other Contract for the Employer or;

(e) shall enter into a Contract with the Bank in connection with which commission has been paid or agreed to be paid by him or his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Accepting Authority/Engineer-in-Charge; or

(f) shall obtain a Contract with the Employer as a result of wrong tendering or other unethical methods of competitive tendering; or

(g) being an individual, or in a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose or amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors; or

(h) being a company, shall pass a resolution or the Court shall make an order for the winding up of the company or a receiver or manager on behalf of the debenture holders or others shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or manager; or

(i) shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days; or

(j) assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Accepting Authority;

39.1.2 The Accepting Authority may, without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to the Employer, by a notice in writing cancel the contract as a whole or only such of items in default from the Contractor.

39.1.3 The Engineer-in-Charge shall on such cancellation by the accepting authority have powers to, for which the contractor shall hereby unconditionally agree ::

(a) to take possession of the Site and any materials, constructional plant, implements, stores, etc., thereon; and/or

(b) to carryout the incomplete work by any means at the risk and cost of the Contractor.

39.2 On cancellation of the Contract in full or in part, the Engineer-in-Charge shall determine what amount, if any, is recoverable from the contractor for completion of the works or part of the Works or in case the Works or part of the Works is not to be completed, the loss or damage suffered by the Employer. In determining the amount, credit shall be given to the contractor for the value of the work executed by him up to the time of cancellation, the value of contractor's materials taken over and incorporated in the work.

39.3 Any excess expenditure incurred or to be incurred by the Employer in completing the Works or part of the Work or the excess, loss or damages suffered or may be suffered by the Employer as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to Employer in law be recovered from any money due to the Contractor on any account, and if such moneys are not sufficient the Contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

39.4 If the Contractor shall fail to pay the required sum within the aforesaid period of 30 days, the Engineer-in-Charge with the approval of the Employer shall have the right to sell any or all of the Contractor's unused materials, constructional plant, implements, temporary buildings, etc. and apply the proceeds of sale hereof towards the satisfaction of any sums due from the Contractor under the Contract and if thereafter there be any balance outstanding from the Contractor, it shall be recovered in accordance with the provisions of the Contract.

39.5 Any sums in excess of the amounts due to the Employer and unsold materials, constructional plant, etc., shall be returned to the Contractor, provided always that if cost or anticipated cost of completion by the Employer of the Works or part of the Works is less than the amount which the Contractor would have been paid had he completed the Works or part of the Works, such benefit shall not accrue to the Contractor.

#### 40. SETTLEMENT OF DISPUTES AND ARBITRATION ::

40.1 It shall be an inseparable part of the contract that in matters regarding quality of materials, workmanship, removal or rejection of improper work, interpretation of the drawings and specifications, measurements of materials and/or items of work, mode of procedure and carrying out of the work, the decision of the Engineer-in-Charge which shall be given in writing, shall be final, conclusive and binding on the Contractor.

40.1(A). If the Contractor considers any work demanded of him to be outside the requirements of the contract, or considers any drawings record or decision given in writing by the Engineer-in-Charge on any

matter in connection with or arising out of the contract or carrying out of work, to be unacceptable, he shall promptly within 15 days request the Employer in writing for written instruction or decision. Thereon, the Employer shall give his written instructions or decision within a period of two months from the receipt of the Contractor's letter.

(B) Upon receipt of such written instructions or decision the Contractor shall promptly proceed without delay to comply with such instructions or decisions. If the Employer fails to give his instructions or decision in writing within a period of two months after being requested or if the Contractor is dissatisfied with the instructions or decision of the Employer, the Contractor may within 30 days appeal to the designated Appellant Authority of the Employer who shall afford an opportunity to the Contractor to be heard and to offer evidence in support of his appeal. If he is dissatisfied with this decision, the Contractor shall within a period of thirty days from receipt of the Appellant Authority of the decision shall indicate his intention to refer the dispute to Arbitration, failing which the said decision shall be final and conclusive and not referable to adjudication by the Arbitrator.

40.3 All disputes or differences in respect of which decisions have not been final, binding and conclusive as above shall be referred for adjudication by the arbitration by a Sole Arbitrator appointed as follows :

40.4 Within one month of receipt of notice from any party to the contract for appointment of the Arbitrator the Appellant Authority, in charge of the work at the time of such appointment shall send to the Contractor a panel of three names of persons who shall not presently be connected with the work. The Contractor shall within fifteen days of receipt of this list select and communicate to the Appellant Authority the name of one person from the list who shall then be appointed as the sole arbitrator by the Appellant Authority.

40.5 If Contractor fails to communicate his selection of name, within the stipulated period, the Appellant Authority shall without delay select one person from the list and appoint him as Sole Arbitrator. If the Appellant Authority fails to send such a list within one month as stipulated, the Contractor shall send a similar list to the Appellant Authority within 15 days. The Appellant Authority shall then select one person from the list and appoint him as the Sole Arbitrator within 30 days of the receipt of the list. If the Appellant Authority fails to do so the Contractor shall communicate to the Appellant Authority the name of one officer from the list who shall then be the Sole Arbitrator.

40.6 If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another sole Arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

40.7 It is term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such dispute along with the notice for appointment of arbitrator and giving reference to the rejection by the Appellant Authority of the appeal and a copy of his notice(s) of intention to refer the dispute to arbitration of such disputes as mentioned in Part (ii) above failing which the notice for appointment of the Arbitrator shall not be treated as notice for appointing the arbitrator.

40.8 It is also a term of this contract that no person other than a person appointed by Appellant Authority, in charge of the work as aforesaid should act as arbitrator and if for any reason that is not possible, the matter shall not be referred to arbitration at all.

40.9 It is also a term of the contract that if the Contractor does not make any demand for appointment of arbitration in respect of any claims in writing as aforesaid within 90 days of receiving the intimation from the Employer that the final bill is ready for payment, the claim of the contractor shall be deemed to have been waived and absolutely barred and the Employer shall be discharged and released of all liabilities under the contract in respect of these claims. No party shall be entitled to bring any claim to arbitration if the arbitrator has not been appointed before the expiry of sixty days after defect liability period.

40.10 The arbitration shall be conducted in accordance with the provisions of the Indian Arbitration Act, 1996, or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

40.11 The arbitrator may from time to time with the consent of the parties enlarge the time for making and publishing the award.

40.12 It is also a term of the contract that any fees TA, DA and other charges are payable to the Arbitrator shall be paid by both the parties equally.

40.13 It is also a term of the contract that the Arbitrator shall be deemed to have entered on the reference on the date of first hearing. The venue of the arbitration shall be such a place as may be fixed by the Arbitrator in his sole discretion. The fees, and charges of the Arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any, of the Arbitrator) shall be in the discretion of the Arbitrator who may direct to and by whom and in what manner, such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.

40.14 The award of the Arbitrator shall be final and binding on both the parties

#### 41. RIGHT TO AUDIT/TECHNICAL EXAMINATION::

The Employer shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract, etc., to be made even after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the Contractor under the contract or any work claimed to have been done by him under the contract and found not to have been executed, the Contractor shall be liable to refund the amount of over-payment and it shall be lawful for the Employer to recover the same from him in the manner prescribed in clause 47 or 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 contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by the Employer to the Contractor, without any interest thereon; Provided that the Contractor shall not be entitled to payment of any sum paid short where such payment has been agreed upon between the Employer on the one hand and the Contractor on the other under any term of the contract permitting payment for work after assessment by the Engineer-in-Charge.

#### 42. LIEN ::

(a) Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the contractor, the Employer shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the Contractor and for the purpose aforesaid, the Employer shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In

the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, the Employer shall be entitled to withhold and have a lien to retain to the extent of such claimed amount or amounts referred to above, from any sum or sums found payable or which may at any time thereafter become payable to the contractor under the same contract or any other contract with the Employer pending finalization or adjudication of any such claim.

(b) Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the Employer or any other contracting person or persons through Engineer-in-Charge against any claim of the Employer or such person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Employer or with such other person or persons.

(c) It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above by the Employer will be kept withheld or retained as such by the Employer till the claim arising out of or under the contract is determined by the arbitrator (if the contracts governed by the arbitration clause) or by the competent court, as the case may be and that the Contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above and duly notified as such to the Contractor. For the purpose of this clause, where the Contractor is a partnership firm or a limited company, the Employer shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise.

#### 43. EXTERNAL INSPECTION & AUDIT :-

(i) All works under or in course of execution or executed in pursuance of the Contract shall at all times be open and accessible to the inspection of the Quality Control Organization of the Employer or any designated auditor / officials of the Employer and of the Chief Technical Examiner's Office under Central Vigilance Commission.

(ii) If it shall appear to the Engineer-in-Charge or to the Engineer in charge of Quality Control or any designated auditors / officials of the Employer or to the Chief Technical Examiner, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract, the contractor shall, on demand made in writing within the defect liability period from the Engineer-in-Charge specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for earlier, forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require and provide other proper and suitable materials or articles at his own charge and cost.

(iii) In the event of the contractor failing to do so within a period specified by the Engineer-in-Charge in his demand aforesaid, the contractor shall be liable to pay compensation at the same rate as under the clause of defects after completion for this default.

(iv) In such case the Engineer-in-Charge may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the Employer or the competent authority may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and without substantially affecting the utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re-executed at the risk and cost of the contractor. Decision of the

Engineer-in-Charge to be conveyed in writing in respect of the same shall be final and binding on the Contractor.

#### 44. FORCE MAJEURE

The bidder shall not be liable for default or non-performance of the obligations under the contract, if such default or non-performance of the obligations under this contract is caused by any reason or circumstances or occurrences beyond the control of the bidder, i.e. Force Majeure.

For the purpose of this clause, "Force Majeure" shall mean an event beyond the control of the bidder, due to or as a result of or caused by acts of God, wars, insurrections, riots, earth quake and fire, events not foreseeable but does not include any fault or negligence or carelessness on the part of the bidder, resulting in such a situation.

In the event of any such intervening Force Majeure, the Bidder shall notify the Bank in writing of such circumstances and the cause thereof immediately within five calendar days. Unless otherwise directed by the Bank, the Bidder shall continue to perform / render / discharge other obligations as far as they can reasonably be attended / fulfilled and shall seek all reasonable alternative means for performance affected by the Event of Force Majeure.

In such a case, the time for performance shall be extended by a period (s) not less than the duration of such delay. If the duration of delay continues beyond a period of three months, the Bank and the Bidder shall hold consultations with each other in an endeavor to find a solution to the problem.

Under no circumstances the bidder will be entitled to any compensation, damages or extra cost. Notwithstanding above, the decision of the Bank shall be final and binding on the Bidder.

#### 45. RESOLUTION OF DISPUTES

All disputes and differences of any kind whatsoever, arising out of or in connection with this Offer or in the discharge of any obligation arising under this Offer (whether during the course of execution of the order or after completion and whether beyond or after termination, abandonment or breach of the Agreement) shall be resolved amicably. In case of failure to resolve the disputes and differences amicably the matter may be referred to a sole arbitrator mutually agreed upon after issue of at least 30 days notice in writing to the other party clearly setting out there in the specific disputes. In the event of absence of consensus about the single arbitrator, the dispute may be referred to joint arbitrators; one to be nominated by each party and the said arbitrators shall appoint a presiding arbitrator. The provisions of the Indian Arbitration and Conciliation Act, 1996, shall govern the arbitration. In case, the Proposal is not received as required above on or before the said date and time, Bank shall presume that bidder is not interested proceeding with the dispute. The venue of arbitration shall be Kadapa, Andhra Pradesh

#### 46. JURISDICTION

The Purchase Contract / Annual Maintenance Contract shall be governed by the Laws and Regulations of India for the time being in force and will be subject to the exclusive jurisdiction of the Courts in Kadapa, Andhra Pradesh.

SIGNATURE OF CONTRACTOR WITH SEAL



## SAFETY CODE

### Safety Norms to be followed by the Contractor

#### 1. Safety Clause

- i) The contractor should take all precautionary measures in order to ensure the protection of his own personnel moving about or working on the bank premises, and should conform to the rules and regulations of the bank.
- ii) The Contractor should abide by all bank regulations in force from time to time and ensure that the same are followed by his representatives, agents or sub contractors or workmen.
- iii) The contractor should ensure that unauthorized, careless or inadvertent operation of installed equipment which may result in accident to staff and / or damage to equipment does not occur.
- iv) The Contractor should indemnify and keep the purchaser indemnified and harmless against all actions, suits, claims, demands costs charges or expenses arising in connection with any accident, death or injury, sustained by any person or persons within the bank premises and any loss or damage to bank property sustained due to the acts or omissions of the contractor irrespective of whether such liability arises under the workmen's compensation act or the fatal accidents act or any other statute in force from time to time.

#### 2. EMS Requirements

- i) The contractor shall ensure industrial safety methods in executing his work at bank premises.
- ii) The contractor shall ensure that all wastes generated by his activities / work are moved to the respective dump sites or taken for re-cycling.
- iii) The contractor has to give prior information whether any hazardous chemical is used in his work and if so, the operational control to be exercised.
- iv) The contractor has to ensure that all his material handling equipments / transport vehicles are emission tested.
- v) The contractor has to ensure that his activities are in tune with the Andhra Pragathi Grameena Bank EMS Policy (to be incorporated as part of Contract)
- vi) The contractors' staff shall be competent to operate emergency appliances like fire extinguishers.
- vii) The contractors' staff shall be competent in the areas wherein the contract is awarded by evaluating through skill matrix by concerned official

#### 3. OTHER SAFETY MEASURES

- i) Adequate and appropriate tools shall be issued.
- ii) The instruments are used to be conformed to Indian Standards.
- iii) 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 holds of good quality wood or steel shall be provided and the ladder shall be given an inclination not steeper than ¼ to 1 (¼ horizontal and 1 vertical).
- iv) Ensure adequate lighting at work place.
- v) Contractor should follow the terms and conditions/instructions of bank from time to time.
- vi) Activities other than the specified activities as per the contract clauses, which are assigned to contractor, are not permitted at the premises.
- vii) Ensure the Suitable guards are provided to the hand operating machine.

- viii) Suitable lifting machineries and tackles are to be used to handle the materials.
- ix) Any loss incurred to bank because of Contractor's activities shall be charged to their account.
- x) The equipment's & materials stored at our premises are at Contractor's own risk.
- xi) Before start of work, proper shut down (if necessary) is to be undertaken for safety
- xii) Before start of any work, appropriate Work Permits shall be obtained.
- xiii) Off cuts and wastes generated during the course of work, must be suitably disposed at identified areas.
- xiv) The contractor shall engage qualified supervisors at the work site whenever men are engaged for work.
- xv) First aid box with adequate medicine are to be provided in the work area.
- xvi) Disobeying or not following the conditions / precautions / procedures shall result in penalty. In serious cases, stoppage of work or cancellation of permits may be done.
- xvii) The display board containing the details of nature of work, maximum number of staff working per shift, period of work, site in charge name and phone number and main office phone numbers is to be placed at prominent place.
- xviii) Staffs under your control are to be insured during the work period.
- xix) All personnel of the contractor working within the plant 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.
- xx) 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.

#### 4. Demolition

Before any demolition work is commenced and also during the process of the work.

- i) All open areas adjacent to the work site shall either be closed or protected.
- ii) 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.
- iii) All practical steps shall be taken to prevent danger to persons employed from the risk so over loaded with debris or materials as to render it unsafe.

#### 5. Personal Safety Equipment's

All necessary personal safety equipment as considered adequate by the Engineer should be kept available for the use of the person employed 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 welding works shall be provided with welder's protective eyesight lids.
- ii) Stonebreakers shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
- iii) When workers are employed in sewers and manholes, which are in use, the contractor shall ensure that the manhole covers are opened and are ventilated at least for an hour before the workers are allowed to get into manholes and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public.
- iv) The contractor shall not employ men below the age of 18 years. Women of any age shall not be engaged for the work of painting with products containing lead in any form. Whenever men above the age of 18 years are employed on the work of lead painting the following precautions should

be taken.

- v) Suitable facemasks 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 scraped.
  - vi) Overalls shall be supplied by the contractor to the workmen and adequate facilities shall be provided to enable the working painters to wash during the cessation of work.
  - vii) When the work is done near any public place where there is risk of accidents 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.
6. All the Indian Electricity rules 1956 on Electrical Safety should be strictly followed while execution of the Electrical works
7. These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.

To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer, Engineers of the Department or their representatives.

Notwithstanding the above clause from (1) to (7), there is nothing in these to attempt the contractor from the operation of any other Act or Rule in force in the Republic of India.

SIGNATURE OF THE CONTRACTOR WITH SEAL

## FORM OF AGREEMENT

This agreement made the \_\_\_\_\_ day of the month of \_\_\_\_\_ in the year 2024 BETWEEN, Andhra Pragathi Grameena Bank *a body corporate constituted under the RRB Act, 1976*, having its Head Office at Mariyapuram, Kadapa, Andhra Pradesh *represented by its duly constituted attorney (hereinafter referred to as the Employer / Bank) on the ONE PART; and*

\*Sri \_\_\_\_\_ S/D/o \_\_\_\_\_ resident of \_\_\_\_\_ the sole proprietor of M/s \_\_\_\_\_ having office at the following address \_\_\_\_\_

\* M/s. \_\_\_\_\_ the partnership firm having an administrative/principal office at \_\_\_\_\_ represented by its Managing/duly authorised partner.

\* M/s. \_\_\_\_\_ company/body corporate incorporated under the provisions of the Companies Act 1956 having its registered office at the following address \_\_\_\_\_, duly represented at \_\_\_\_\_ duly represented by its constituted and authorized Managing Director, Shri \_\_\_\_\_ and (hereinafter called the Contractor which term shall also be called the Supplier or the Contractor ) on the other part

WHEREAS THE Employer / Bank is desirous to undertake Supply, Installation, Testing, Commissioning & Maintenance of 125 KWp capacity ON- Grid Rooftop Solar Power System and 98 KWp capacity OFF- Grid Rooftop Solar Power System in captioned properties vide ..... dated: ..... and has been accepted by the Employer on the terms and conditions as set out therein and inter alia others.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this agreement words and expression shall have the same meanings as are respectively assigned to them in the conditions of contract hereinafter referred to.
2. The following documents not inconsistent with these presents shall be deemed to form and be read and construed as part of this agreement viz;
  - a) Notice inviting Tender
  - b) General Rules and Instructions for the guidance of Contractors.
  - c) Tender offer, Form of Agreement, Indemnity Bond format & Bank Guarantee format, if any, leading to and prior to acceptance letter.
  - d) General Conditions of contract along with Annexure thereto.
  - e) Safety Code
  - f) Schedules A to C consisting of Technical Specifications, Special Conditions, Questionnaire, tender drawings if any, etc.
  - g) Scope of Comprehensive AMC
  - h) Schedule of quantities including Prices and tendered amount known as Price - Bid.
  - i) The details submitted in technical bid, design, technical brochures, drawings and such other details etc.

[ Note : \* Strike off whichever is not applicable ]

3. In consideration of the payments to be made by the Employer to the Contractor, the Contractor hereby covenants and agrees with the Employer to carry out the Supply, Installation, Testing, Commissioning & Maintenance of 100 KWp capacity ON- Grid Rooftop Solar Power System at Andhra Pragathi Grameena Bank, Head office, Kadapa and 25 KWp capacity ON- Grid Rooftop Solar Power System at Andhra Pragathi Grameena Bank, Regional Office, Anantapur and 98 KWp capacity OFF-Grid Rooftop Solar Power System at Andhra Pragathi Grameena Bank own buildings as mentioned in Tender Document complete and perform the works in conformity in all respects and subject to all terms and conditions/rules as mentioned in the General Conditions as also in the aforesaid documents which shall form part of this agreement.

In witness whereof the parties hereto have hereunto set their respective hands and seals the day and year first above written.

Signed, sealed and delivered by the said Contractor, \_\_\_\_\_

\_\_\_\_\_ to the Employer \_\_\_\_\_ in the presence of:

Signature of Contractor (with seal)

Signature of Authorized representative of the Employer / Accepting Authority.

Witness ( Signature, Name & Address ):

1).

2).

**FORMAT OF INDEMNITY BOND**

(TO BE SUBMITTED BY THE SUCCESSFUL CONTRACTOR IN STAMP PAPER)

THIS DEED OF INDEMNITY BOND is made on this ----- day of-----month of year two thousand Twenty four(\_\_\_\_\_.\_\_\_\_.2024) By M/s-----duly represented by one of its partners -----, aged -- years, son of Sri -----, residing at... -----, -----.

\* M/s. \_\_\_\_\_ the partnership firm having an administrative/principal office at \_\_\_\_\_ represented by its Managing/duly authorised partner.

\* M/s. \_\_\_\_\_ company/body corporate incorporated under the provisions of the Companies Act 1956 having its registered office at the following address \_\_\_\_\_, duly represented at \_\_\_\_\_ duly represented by its constituted and authorized Managing Director, Shri \_\_\_\_\_ and (hereinafter called the Contractor which term shall also be called the Supplier or the Contractor ) on the other part

Whereas My Firm/ Company was short listed for issue of tenders and my company became successful in securing the subject work through competitive tendering and the work of Supply, Installation, Testing, Commissioning & Maintenance of 125 KWp capacity ON- Grid Rooftop Solar Power System and 98 KWp capacity OFF- Grid Rooftop Solar Power System at own Building of Bank has been awarded in favour of my Firm/ company by Andhra Pragathi Grameena Bank, Premises, Maintenance and Services Department, Head Office, Kadapa.

And whereas for undertaking the furnishing work, my company has entered into contract agreement on ..... 2024.

Now this Deed Witnessed that in pursuance of the aforesaid contract agreement dt.\_\_\_\_.\_\_\_\_.2024 and in consideration of Andhra Pragathi Grameena Bank having agreed to make payments on the running bills claimed by my company based on the works completed by my company in respect of Supply, Installation, Testing, Commissioning & Maintenance of 100 KWp capacity ON- Grid Rooftop Solar Power System at Andhra Pragathi Grameena Bank, Head office, Kadapa and 25 KWp capacity ON- Grid Rooftop Solar Power System at Andhra Pragathi Grameena Bank, Regional Office, Anantapur and 98 KWp capacity OFF- Grid Rooftop Solar Power System at Andhra Pragathi Grameena Bank own buildings as mentioned in Tender Document, I hereby undertake to indemnify and keep harmless the Andhra Pragathi Grameena Bank and its officials from any damages, prosecution, other legal suits and claims arising out of any mishaps occurring at the site due to faulty work, faulty construction and for violating rules and regulations for which I shall be solely responsible.

[ Note : \* Strike off whichever is not applicable ]

SIGNATURE OF CONTRACTOR WITH SEAL

**BANK GUARANTEE FORMAT FOR EARNEST MONEY DEPOSIT**

To

WHEREAS \_\_\_\_\_(Name of Contractor) (hereinafter called "the Contractor" has submitted its Tender dated \_\_\_\_\_ (Date) for the execution of (Name of Contract)\_\_\_\_\_ (hereinafter called "the Tender") in favour of Andhra Pragathi Grameena Bank hereinafter called the "Employer";

KNOW ALL MEN by these presents that we, \_\_\_\_\_ Bank, a body corporate constituted under the Banking Companies (Acquisition & Transfer of Undertakings) Act, 1970 having its Head Office at \_\_\_\_\_ amongst others a branch at \_\_\_\_\_ (hereinafter called "the Bank" are bound unto the employer for the sum of Rs \_\_\_\_\_ (Rupees \_\_\_\_\_ only) for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors and assigns by these presents;

THE CONDITIONS of this obligation are:

- (a) If the Contractor withdraws its Tender during the period of Tender validity specified in the Tender; or
- (b) If the Contractor having been notified of the acceptance of his Tender by the Employer during the period of Tender validity;
  - (i) Fails or refuses to execute the Agreement, if required; or
  - (ii) Fails or refuses to furnish the performance security or security Deposit, in accordance with clause \_\_\_\_\_ of conditions of Contract / Tender.

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

Notwithstanding anything contained herein,

- 1) our liability under this Bank guarantee shall not exceed Rs \_\_\_\_\_ (Rupees \_\_\_\_\_ only)
- 2) The bank Guarantee is valid up to \_\_\_\_\_ and
- 3) We are liable to pay the guaranteed amount or any part thereof under this Bank guarantee only and only if you serve upon us a written claim or demand on or before \_\_\_\_\_(mention period of the Guarantee as found under clause (ii) above plus claim period)

Dated \_\_\_ day of \_\_\_\_\_ 2024

SIGNATURE OF THE BANK

**BANK GUARANTEE FORMAT FOR SECURITY DEPOSIT**

Guarantee No.....  
Amount of Guarantee Rs.....  
Guarantee cover from Dated: ..... To  
Dated: .....  
Last Date for Lodgement of claim: ..... To:

In consideration of ..... (hereinafter called "Beneficiary") having agreed to exempt ..... Ltd., having its Registered Office situated at ..... (hereinafter called the "the obligator(s)") from the demand of security deposit of Rs..... (Rupees ..... only) under the terms and conditions of an agreement dated ..... (hereinafter called the "said Agreement") for the due fulfillment by the said obligator of the terms and conditions contained in the said agreement, on production of the Bank Guarantee for Rs..... (Rupees ..... only), at the request of the obligator \_\_\_\_\_ Bank, a body corporate constituted under the Banking Companies (Acquisition & Transfer of undertakings) Act, 1970 having its Head Office at \_\_\_\_\_ amongst others a branch at ..... (hereinafter referred to as "the Bank") has agreed to give following guarantee in favour of the beneficiary for an amount not exceeding Rs..... (Rupees.....only) against any loss or damage caused to or suffered or would be caused to or suffered by reason of any breach by the said Obligator(s) of any of the terms and conditions contained in the said agreement.

We, the Bank to hereby undertake to pay the amount payable under this guarantee without any demur merely on a demand from the beneficiary stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by reason or any breach of the terms and conditions contained in the said agreement or by reason of the obligator's failure to perform the said agreement. Any such demand in writing made on the Bank shall be conclusive as regards the amount due and payable by the Bank under the guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....

We, the Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the beneficiary under or by virtue of the said agreement have been fully paid and its claims satisfied or till the beneficiary certifies that the terms and conditions of the said agreement have been fully discharged this guarantee. Unless a demand for claim under this guarantee is made on us in writing on or before ..... we shall be discharged from all liabilities under this guarantee thereafter.

We, the Bank further agree that the beneficiary shall have the fullest liberty, without consent and without effecting in any manner or obligations hereunder, to extend time of performance the said obligator(s) from time to time or to postpone for any time any of the powers exercisable by the beneficiary against the said obligator(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved of our liability by reason of any extension being granted to the said obligator(s) for any forbearance, act or omission on the part of the beneficiary or any indulgence by the beneficiary to the said obligator(s) or by any such matter or thing whatsoever which under the law relating to sureties would not for this provision have effect of so relieving us.



We, the Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the beneficiary in writing.

Notwithstanding anything contained herein:

(i) Our liability under this Bank Guarantee shall not exceed Rs. .... (Rupees only)

(ii) This Bank Guarantee is valid upto ..... and

(iii) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before ..... (mention period of the guarantee as found under clause (ii) above plus claim period)

PLACE:

DATE:

SIGNATURE

## DECLARATION FORMAT

To  
General Manager  
Premises, Maintenance and Services Department,  
Mariapuram, Head Office  
Kadapa-516001

Dear Sir,

Having examined the RFP document including all Annexure the receipt of which is hereby duly acknowledged, we, the undersigned, offer to 'Supply, Installation, Testing, Commissioning & Maintenance of 100 kwp capacity on-grid roof top solar PV power plant at 01 no. of Bank owned property at Head Office Kadapa and 25 kwp capacity on-grid roof top solar PV power plant at 01 no. of bank owned property at Regional Office-Anantapur and 98 kwp capacity off-grid roof top solar PV power plant at 32 nos. of bank owned properties at Anantapur, Kadapa, Kurnool, Nandyal and Rajampeta regions' in conformity with the said RFP in accordance with the schedule of prices indicated in the financial offer and made part of this offer.

If our offer is accepted, we undertake to complete Supply, Installation, Testing, Commissioning & Maintenance of 100 kwp capacity on-grid roof top solar PV power plant at 01 no. of Bank owned property at Head Office Kadapa and 25 kwp capacity on-grid roof top solar PV power plant at 01 no. of bank owned property at Regional Office-Anantapur and 98 kwp capacity off-grid roof top solar PV power plant at 32 nos. of bank owned properties at Anantapur, Kadapa, Kurnool, Nandyal and Rajampeta regions within 60 days for all locations as specified in the offer document. We enclose a Demand Draft /Bank Guarantee in lieu of EMD as per RFP in favour of Andhra Pragathi Grameena Bank as EMD.

We agree to abide by this offer till 180 days from the date of opening of the RFP and for such further period as may be requested for by the bank, and agreed to in writing by us. We also agree to keep the Earnest Money Deposit/Bank Guarantee in lieu of EMD during the entire validity period of the RFP.

However if we withdraw our offer within the said validity period, you shall have the right to forfeit the EMD/invoke the Bank Guarantee in lieu of EMD, without reference to us. We agree to abide by and fulfill all the terms and conditions of the RFP and in default thereof, to forfeit and pay to you or your successors, or authorized nominees such sums of money as are stipulated in the conditions contained in RFP together with the return acceptance of the purchase contract for Supply, Installation, Testing, Commissioning & Maintenance of 100 kwp capacity on-grid roof top solar PV power plant at 01 no. of Bank owned property at Head Office Kadapa and 25 kwp capacity on-grid roof top solar PV power plant at 01 no. of bank owned property at Regional Office-Anantapur and 98 kwp capacity off-grid roof top solar PV power plant at 32 nos. of bank owned properties at Anantapur, Kadapa, Kurnool, Nandyal and Rajampeta regions.

We enclose a list of clients in India (giving their full addresses) where the model quoted by us now have been supplied by us and the name and addresses of our Bankers.

We also confirm that we have not been disqualified by any PSU bank for supply of Security equipments. Our PAN number for Income Tax is \_\_\_\_\_.

We are registered with the Goods & Service Tax authorities and our registration numbers are as follows.

Goods & Service Tax Registration Number is \_\_\_\_\_.

We accept all the Instructions and Terms and Conditions of the subject RFP. We understand that the Bank is not bound to accept the lowest or any offer the Bank may receive without assigning any reason whatsoever.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2024

Signature. \_\_\_\_\_

**Annexure-1**  
**Pre-Contract Integrity Pact**  
**(This has to be submitted in the non-judicial Stamp Paper of INR 200)**

**1. GENERAL**

1.1. This pre-bid contract Agreement (herein after called the Integrity Pact) is made on\_\_\_\_\_ day of the month 20\_\_\_\_, between, the Andhra Pragathi Grameena Bank, a body corporate constituted under RRB Act 1976 having its Head office at near Mariyapuram church, Akkayapalli Kadapa, 516003,with branches spread over 10 districts of A.P (hereinafter referred to as BUYER which expression shall include its successors and assigns) acting through Shri \_\_\_\_\_, General Manager, DIT, HO, Kadapa representing Andhra Pragathi Grameena Bank, of the BUYER, of the FIRST PART

AND

M/s.\_\_\_\_\_ represented by Shri \_\_\_\_\_ Chief Executive Officer/Authorised Signatory (hereinafter called the "BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER", which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns), of the SECOND PART

1.2. WHEREAS the BUYER proposes to procure (Name of the Stores/Equipment/Item) /engage the services and the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER is willing to offer/has offered the stores/services and

1.3. WHEREAS the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER is a private company/ public company/Government undertaking/ partnership/ LLP/registered export agency/service provider, duly constituted in accordance with the relevant law governing its formation/incorporation/constitution and the BUYER is a body corporate constituted under RRB Act 1976.

1.4. WHEREAS the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER has clearly understood that the signing of this agreement is an essential pre-requisite for participation in the bidding process in respect of Stores/Equipment/Items/Services proposed to be procured by the BUYER and also understood that this agreement would be effective from the stage of invitation of bids till the complete execution of the agreement and beyond as provided in clause 13 and the breach of this agreement detected or found at any stage of the procurement process shall result into rejection of the bid and cancellation of contract rendering BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER liable for damages and replacement costs incurred by the BUYER.

2. NOW, THEREFORE, the BUYER and the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER agree to enter into this pre-contract integrity agreement, hereinafter referred to as Integrity Pact, which shall form part and parcel of RFP as also the contract agreement if contracted with BIDDER, in the event that the BIDDER turns out to be successful bidder, and it is intended through this agreement to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the Contract to be entered into with a view to:-

2.1. Enabling the BUYER to obtain the desired Stores/Equipment/Work/Service/Materials at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

2.2. Enabling BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER/SERVICE PROVIDER to refrain from bribing or indulging in any corrupt practices in order to secure the contract, by providing assurance to them that the BUYER shall not be influenced in any way by the bribery or corrupt practices emanating from or resorted to by their competitors and that all procurements shall be free from any blemish or stain of corruption and the BUYER stays committed to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this integrity Pact and agree as follows:

### **3. COMMITMENTS OF THE BUYER**

The BUYER commits itself to the following: -

- 3.1. The BUYER represents that all officials of the BUYER, connected whether directly or indirectly with the procurement process are duty bound by rules and regulations governing their service terms and conditions not to demand, take promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 3.2. The BUYER will, during the pre-contract stage, treat all BIDDERS/ SELLERS/ CONTRACTORS/SERVICE PROVIDERS alike, and will provide to all BIDDERS/ SELLERS/ CONTRACTORS /SERVICE PROVIDERS the same information and will not provide any such information to any particular BIDDER/SELLER /CONTRACTOR/SERVICE PROVIDER which could afford an advantage to that particular BIDDER/SELLER /CONTRACTOR/SERVICE PROVIDER in comparison to the other BIDDER/SELLER/ CONTRACTOR/ SERVICE PROVIDERS.
- 3.3. The BUYER shall report to the appropriate Government Regulators/Authorities any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach, as and when the same is considered necessary to comply with the law in force in this regard.

In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER to the BUYER with the full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case, while an enquiry is being conducted by the BUYER, the proceedings under the contract would not be stalled.

### **4. COMMITMENTS OF BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDERS**

The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following: -

The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

- 4.1. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage, or inducement to any official of the BUYER or otherwise for procuring the Contract or for forbearing to do or for having done any act in relation to the obtaining or execution of the contract or any other contract with the BUYER or for showing or forbearing to show favor or disfavor to any person in relation to the contract or any other contract with the BUYER.
- 4.2. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER further confirms and declares to the BUYER that the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER is the original Manufacturer/Integrator/Authorized government sponsored export entity of the stores/Authorised

Service Provider having necessary authorizations, intellectual property rights and approvals from the intellectual property right owners of such materials/services and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

- 4.3. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payment he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 4.4. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 4.5. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities emanating from other competitors or from anyone else.
- 4.6. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER shall not use improperly, for purpose of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposal and business details, including information contained in any electronic data carrier. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER also undertakes to exercise due and adequate care lest any such information is divulged.
- 4.7. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 4.8. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER shall not instigate or cause to instigate any third person to commit any of the acts mentioned above.

## **5. PREVIOUS TRANSGRESSION**

- 5.1. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Bank, Public Sector Enterprise/Undertaking in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.
- 5.2. If the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER makes incorrect statement on this subject, BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER can be disqualified from the tender/bid process or the contract, if already awarded, can be terminated for such reason.

## **6. EARNEST MONEY (SECURITY DEPOSIT)**

- 6.1. Every BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER while submitting commercial bid, shall deposit an amount as specified in RFP/Tender Documents as Earnest Money/Security, Deposit, with the BUYER through any of the instruments as detailed in the tender documents.

- 6.2.** The Earnest Money/Security Deposit shall be valid for a period till the complete conclusion of the contractual obligations or for such period as mentioned in RFP/Contract , including warranty period, whichever is later to the complete satisfaction of BUYER.
- 6.3.** In the case of successful BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER, a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
- 6.4.** No interest shall be payable by the BUYER to the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER on Earnest Money/Security Deposit for the period of its currency.

## **7. SANCTIONS FOR VIOLATIONS**

- 7.1.** Any breach of the provisions herein contained by the BIDDER/SELLER /CONTRACTOR/SERVICE PROVIDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER shall entitle the BUYER to take all or any one of the following actions, wherever required:-
- i. To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER. However, the proceedings with the other BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER(s) would continue.
  - ii. To forfeit fully or partially the Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed), as decided by the BUYER and the BUYER shall not be required to assign any reason therefor.
  - iii. To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER.
  - iv. To recover all sums already paid by the BUYER, and in case of the Indian BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of (Name of the Bank/Financial Institution) while in case of a BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER from a country other than India with Interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER/SELLER /CONTRACTOR from the BUYER in connection with any other contract such outstanding payment could also be utilized to recover the aforesaid sum and interest. The BUYER shall also be entitled to recover the replacement costs from BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER .
  - v. To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER, in order to recover the payments, already made by the BUYER, along with interest.
  - vi. To cancel all or any other contracts with the BIDDER /SELLER/CONTRACTOR/SERVICE PROVIDER and the BIDDER/SELLER /CONTRACTOR/SERVICE PROVIDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER.
  - vii. To debar the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER from participating in future bidding processes of the BUYER for a minimum period of five years, which may be further extended at the discretion of the BUYER.
  - viii. To recover all sums paid in violation of this Pact by BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER(s) to any middlemen or agent or broker with a view to securing the contract.
  - ix. In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER, the same shall not be opened.
  - x. Forfeiture of The Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

- xi. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER, and if he does so, the BUYER shall be entitled forthwith to rescind the contract and all other contracts with the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER. The BIDDER/SELLER/ CONTRACTOR shall be liable to pay compensation for any loss or damage to the BUYER resulting from such rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER.
- 7.2. The BUYER will be entitled to take all or any of the actions mentioned at para 7.1 (i) to (xi) of this Pact, also in the event of commission by the BIDDER/ SELLER/CONTRACTOR/SERVICE PROVIDER or anyone employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined In Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.
- 7.3. The decision of the BUYER to the effect that a breach of the provisions of this pact has been committed by the BIDDER/SELLER/ CONTRACTOR shall be final and conclusive on the BIDDER/SELLER /CONTRACTOR. However, the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER can approach the Independent External Monitor(s) appointed for the purposes of this Pact.

## **8. FALL CLAUSE**

- 8.1. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems/services at a price lower than that offered in the present bid to any other Bank or PSU or Government Department or to any other organization/entity whether or not constituted under any law and if it is found at any stage that similar product/systems or sub systems/services was supplied by the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER to any other Bank or PSU or Government Department or to any other organization/entity whether or not constituted under any law, at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER to the BUYER, if the contract has already been concluded.

## **9. INDEPENDENT EXTERNAL MONITORS**

- 9.1. The BUYER has appointed two Independent External Monitors (hereinafter referred to as Monitors) for this Pact in accordance with the recommendations and guidelines issued by Central Vigilance Commission.
- 9.2. The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.
- 9.3. The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
- 9.4. Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings. The Monitors shall on receipt of any complaint arising out of tendering process jointly examine such complaint, look into the records while conducting the investigation and submit their joint recommendations and views to the Management and Chief Executive of the BUYER. The MONITORS may also send their report directly to the CVO and the commission, in case of suspicion of serious irregularities.
- 9.5. As soon as any event or incident of violation of this Pact is noticed by Monitors, or Monitors have reason to believe, a violation of this Pact, they will so inform the Management of the BUYER.

- 9.6. The BIDDER(s) accepts that the Monitors have the right to access without restriction to all Project /Procurement documentation of the BUYER including that provided by the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER will also grant the Monitors, upon their request and demonstration of a valid interest, unrestricted and unconditional access to his documentation pertaining to the project for which the RFP/Tender is being /has been submitted by BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER. The same is applicable to Subcontractors. The Monitors shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractors( ) with confidentiality.
- 9.7. The BUYER will provide to the Monitors 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 parties. The parties may offer to the Monitors the option to participate in such meetings.
- 9.8. The Monitors will submit a written report to the BUYER at the earliest from the date of reference or intimation to him by the BUYER/BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER and submit proposals for correcting problematic situations.

## **10. FACILITATION OF INVESTIGATION**

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER and the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER shall provide necessary information of the relevant documents and shall extend all possible help for the purpose of such examination,

## **11. LAW AND PLACE OF JURISDICTION**

This Pact is subject to Indian Law and the place of jurisdiction is Kadapa, Andhra Pradesh.

## **12. OTHER LEGAL ACTIONS**

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the any other law in force relating to any civil or criminal proceedings.

## **13. VALIDITY**

- 13.1. The validity of this Integrity Pact shall be from the date of its signing and extend up to 5 years or such longer period as mentioned in RFP/Contract or the complete execution of the contract to the satisfaction of the BUYER whichever is later. In case BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.
- 13.2. If one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In such case, the parties will strive to come to an agreement to their original intentions.
14. The parties hereby sign this Integrity Pact at ..... on .....



<b>Signed, Sealed and Delivered for “Andhra Pragathi Grameena Bank” By it’s constituted Authority</b>	<b>Signed, Sealed and Delivered for M/s _____ by it’s constituted Authority</b>
Signature: _____	Signature: _____
Name: _____	Name: _____
Designation: _____	Designation: _____
Address: _____	Address: _____
Company: _____	Company: _____
Date: _____	Date: _____
<b>Company Seal</b>	<b>Company Seal</b>
<b>Witness I</b>	<b>Witness II</b>
Signature: _____	Signature: _____
Name: _____	Name: _____
Designation: _____	Designation: _____
Address: _____	Address: _____
Company: _____	Company: _____
Date: _____	Date: _____

**Annexure-2**

**Declaration regarding “Restrictions on procurement from a Bidder of a Country which shares a land border with India**

**[On Firm’s / Company’s letter head]**

To  
The General Manager  
Andhra Pragathi Grameena Bank,  
Head Office, 3<sup>rd</sup> Floor,  
Premises Maintenance and Services Department,  
Beside Mariyapuram Church, Akkayapalle,  
KADAPA-516 003  
YSR Kadapa Dist, AP

**Subject: Declaration in respect of “Restrictions on procurement from a Bidder of a country which shares a land border with India” pursuant to Order No: F.No 6/18/2019-PPD dated: 23-July-2020 from Department of Expenditure, Ministry of Finance.**

Dear Sir,

With reference to our bid proposal for participation in Andhra Pragathi Grameena Bank RFP Ref No: **234/APGB/SOLAR/GEM/2024 dated 18.09.2024**, I/we hereby confirm that, I/We have read the Order No: F.No 6/18/2019-PPD dated: 23-July-2020 and subsequent orders in this regard from Department of Expenditure, Ministry of Finance 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/We certify that we/our Collaborator/JV Partner/Consortium member/Assignee are/is not from such a country or, if from such a country, have/has been registered with the Competent Authority and we will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.

I/We hereby certify that we fulfil all requirements in this regard and are eligible to be considered to participate in above mentioned tender.

I/We hereby confirm that we shall be abiding by the rules and regulations mentioned under Order No: F.No 6/18/2019-PPD dated: 23-July-2020 from Department of Expenditure, Ministry of Finance, for participating in above mentioned tender.

We further confirm that evidence of valid registration by the Competent Authority for us/our Collaborator/JV Partner/Consortium member/Assignee, as applicable, is enclosed as Annexure\_\_\_\_\_.

**\*Bidder to strike-off the part, if not applicable.**

**\*\*Bidder to mention the Annexure no.**

Date:  
Signature with Seal:  
Name:  
Designation:

**Annexure - 3**  
**MANUFACTURERS AUTHORISATION FORM**

Note: This Format Letter should be on the letterhead of the OEM/OSO/OSD concern and should be signed by an Authorised Signatory of the OEM/OSO/OSD]  
No. \_\_\_\_\_ dated \_\_\_\_\_

The General Manager  
Andhra Pragathi Grameena Bank,  
Head Office, 3<sup>rd</sup> Floor,  
Premises, Maintenance and Services Department  
Beside Mariyapuram Church, Akkayapalle,  
Kadapa-516003

Dear Sir,

**SUB:** Supply, Installation, Testing, Commissioning & Maintenance of 100 kwp capacity on-grid roof top solar PV power plant at 01 no. of Bank owned property at Head Office Kadapa and 25 kwp capacity on-grid roof top solar PV power plant at 01 no. of bank owned property at Regional Office-Anantapur and 98 kwp capacity off-grid roof top solar PV power plant at 32 nos. of bank owned properties at Anantapur, Kadapa, Kurnool, Nandyal and Rajampeta regions

**Ref: GeM Bid ref. no. 234/APGB/SOLAR/GEM/2024 dated 18.09.2024**

We \_\_\_\_\_ who are established and reputed manufacturers of \_\_\_\_\_ having factories/development facilities at 1) \_\_\_\_\_ and 2) \_\_\_\_\_ do hereby authorize M/s \_\_\_\_\_ (Name and address of the Agent/Dealer) to offer their quotation, negotiate and conclude the contract with you against the above invitation for tender offer.

We (Manufacturer) hereby extend our full guarantee and warranty as per terms and conditions of the tender and the contract for **ON GRID 100 Kwp, ON GRID 25 Kwp and OFF GRID 5 Kwp , OFF GRID 3 Kwp** products/equipment and services offered against this invitation for tender offer by the above firm and will extend technical support and updates and ensure availability of spares including processors for our products for contract period from the date of installation.

We (Manufacturer) also confirm that we will ensure all product updates (including management software updates and new product feature releases) are provided by M/s ..... for all the products quoted for and supplied to the bank during the Contract period. In case this is not considered while quoting and in the event M/s ..... fail in their obligations to provide the updates within 30 days of release/announcement, we hereby confirm that we will provide the same to the bank at no additional cost to the bank and we will directly install the updates and updates and any new Operating Software releases at the bank's premises.

We also confirm that the proposed hardware offered by the bidder to the Bank are correct, viable, technically feasible for implementation and the hardware will work without any hassles in all the locations. We also confirm that all the equipment offered are not "End of Life" during the next One Year and "End of Support" for the contract period.

We hereby commit to the tender terms and conditions and will not withdraw our commitments during the process and or during the period of contract.

Yours faithfully  
**(Name)**  
For and on behalf of M/s

**Schedule- A**  
**SPECIAL INFORMATION TO THE CONTRACTORS**

1. The Work has to be carried out at the Andhra Pragathi Grameena Bank properties mentioned below

S. No	Name Of The Branch	BIC	Region	Proposed Capacity (in KWP)	ON GRID/OFF GRID	Remarks
1	Head Office	1	Head Office	100	ON GRID	
2	RO Anantapur	1000	Anantapur	25	ON GRID	
3	Bandameedipalli	1039	Anantapur	3	OFF GRID	
4	Jellipalli	1069	Anantapur	3	OFF GRID	
5	C.Guruvalur	2038	Kadapa	3	OFF GRID	
6	Korrapadu	2014	Kadapa	3	OFF GRID	
7	Alavalapadu	2123	Kadapa	3	OFF GRID	
8	Veerapanayunipalli	2002	Kadapa	3	OFF GRID	Building is under Construction and roof top solar will be installed after completion of building construction in the month of November 2024
9	Vemula	2012	Kadapa	3	OFF GRID	
10	Kothakota	3074	Kurnool	3	OFF GRID	
11	Peravali	3066	Kurnool	3	OFF GRID	
12	Devanakonda	3028	Kurnool	3	OFF GRID	
13	Nannor	3011	Kurnool	3	OFF GRID	
14	Peddakaduburu	3119	Kurnool	3	OFF GRID	
15	Kairuppala	3131	Kurnool	3	OFF GRID	
16	Urukunda	3126	Kurnool	3	OFF GRID	
17	Tuggali	3084	Kurnool	3	OFF GRID	
18	Badinehal	3129	Kurnool	3	OFF GRID	
19	Peddathumabalam	3030	Kurnool	3	OFF GRID	
20	Chityala	3179	Kurnool	3	OFF GRID	
21	Gargeyapuram	3063	Kurnool	3	OFF GRID	
22	Parla	3004	Kurnool	3	OFF GRID	Building is under Construction and roof top solar will be installed after completion of building construction in the month of December 2024
23	Daivamdinne	3127	Kurnool	3	OFF GRID	Building is under Construction and roof top solar will be installed after completion of building construction in the month of February 2025
24	Pathikonda	3081	Kurnool	5	OFF GRID	
25	Petnikota	3097	Nandyal	3	OFF GRID	
26	Tangutur-K	3029	Nandyal	3	OFF GRID	
27	Gospadu	3061	Nandyal	3	OFF GRID	
28	Hussainapuram-D	3125	Nandyal	3	OFF GRID	Issued work order for construction. The roof top solar will be installed after completion of building construction in the month of March 2025
29	Garladinne(k)	3051	Nandyal	3	OFF GRID	
30	Parumanchala	3017	Nandyal	3	OFF GRID	Building is under Construction and roof top solar will be installed after completion of building construction in the month of December 2024
31	Vathaluru	2122	Rajampeta	3	OFF GRID	
32	Kalasapadu	2054	Rajampeta	3		Construction is proposed. Building plan is approved and the preparataion of Tender

					OFF GRID	document is going on. The Rooftop solar will be installed after completion of construction of building
33	Veeraballi	2006	Rajampeta	3	OFF GRID	
34	Narasapuram	2102	Rajampeta	3	OFF GRID	
<b>Total</b>				<b>223</b>		

Contractors are advised to visit the site, at their own expense and familiarize with site conditions before quoting. The contact details is as below –

**PREMISES, MAINTAINENCE AND SERVICES DEPRTMENT**  
**HEAD OFFICE, MARIAPURAM,**  
**KADAPA**  
**Ph: 9490158007**  
**e-mail: [hopms@apgb.in](mailto:hopms@apgb.in)**

Contractors are advised to go through the specifications and the schedule of work and clarify doubts if any, with the Bank's authorities before quoting.

2. The contractor shall furnish full details of the materials he intends to use on the work like make, model no., printed literature/ catalogue showing all details, reference to any national/ international approvals etc. In case of any deviations from the specifications/ stipulations contained in the tender, the same shall be separately listed out by the contractor and enclosed with the tender (in technical bid). Failure to furnish the above details may result in rejection of tender summarily.
3. Warranty: The offer must include comprehensive on-site warranty (DLP) for a period of 5 year with free maintenance from the date of handing over of the solar power plant system. The offer must also include comprehensive AMC of 5 years from the date of completion of defect liability period. The firm shall be fully responsible for the warranty in respect of proper design, quality and workmanship of all equipments, accessories like covered by the offer. However the failure of the components due to other electrical faults will not be covered by the offer. The firm must warrant all equipments, accessories, spare parts etc., against any manufacturing defects during the warranty period. During the warranty period the firm shall maintain the equipment and repair/ replace all the defective components at the installed site at no additional charge of whatsoever nature to the Bank.
4. Relevant type/factory test certificates, data sheets shall be furnished in respect of Modules, Inverters, Cables and other related accessories etc.

SIGNATURE OF THE CONTRACTOR WITH SEAL

**Schedule B**  
**SPECIAL INSTRUCTIONS TO THE CONTRACTOR**

- 1) This specification shall be read in conjunction with General conditions of contract as applicable for this project.
- 2) The Contractor shall design the equipment considering the site conditions. After award of contract no claim for extra payment will be entertained.
- 3) All Civil alteration works shall be provided by the Contractor. The equipment shall be designed keeping in view the provisions of the statutory regulations and safety codes in force in the locality of installation. All such minor civil works like chipping, grouting, drilling, etc for fixing mounting structure and other accessories are to be executed by the supplier.
- 4) The work should complete including testing & commissioning of solar power system within 60 days from the acceptance of work order by the Contractor including mobilization.
- 5) The following drawing/ documents shall be submitted for approval before commencement of work.
  1. Module test certificate from ETDC/any other Government test centers have to be produced on sample basis.
  2. Contractor will submit his layout design for SPV module including its structural details of all locations to Engineer in Charge for approval prior to start of work.
  3. Design/Drawings of the mounting structure, the design for the mounting structure shall have the certification from a recognized Lab/Institution for the purpose.
  4. GA of ACDB, DCDB, Array Junction Box, Main Junction Box, Overall layout, cable routing layout, Module interconnection drawings, bill of materials etc., for approval.
- 6) The following drawings/ documents shall be submitted for records before handing over.
  1. As built drawings.
  2. A screen printed/laminated circuit and cabling diagram. The same should also be provided in the manual.
  3. Interconnection diagram of the modules of the panels on SPV module/panels shall also be provided for ready reference of the maintenance staff.
  4. Installation, Operation and Maintenance Manual. Regarding number of copies etc., refer to relevant articles.
- 7) In the Price Bid, the Contractor shall indicate Price for supply, Installation, testing, erection and commissioning of the SPV System. GST shall be paid extra by Bank. The quoted Price shall include charges on account of all taxes, duties, packing, forwarding, transport, insurance etc. The quoted Price shall remain firm and binding and shall not be subjected to any escalation whatsoever on any account during entire period of supply, installation, testing & commissioning.
- 7) SPV System shall be guaranteed for a period of 1 year of trouble free operation after commencement of regular operation and shall include free servicing, repair and replacement of parts by the Contractor.
- 8) Workmanship and performance warranty:
  1. The materials used shall be new and best of its kind available and shall conform to standards as mentioned in the technical specification.
  2. The supplier shall guarantee satisfactory performance of system as per relevant guidelines.
  3. The guarantee shall also cover faulty design/ materials/ workmanship. All rectification or replacement under guarantee shall be done by the supplier free of cost.

4. The conditions regarding guarantee of equipment shall also be governed by the relevant clauses of general PRICE conditions.
- 9) The Contractor shall furnish a Time Bar Chart showing breakup of time required for various activities viz., submission and approval of drawings, raw material procurement, engineering, various shop activities, order placement for bought out items and their delivery to shop, assembly, testing, inspection, dispatch, erection and commissioning.
- 10) The Contractor shall furnish the procedure proposed for conducting performance guarantee test; for review by Employer.
- 11) The Contractor shall ensure installation of all electrical equipment by approved licensed electrical Contractors and subsequent approval by electrical inspectorate and other competent authority, if necessary.
- 12) Packing: Packing and transportation of solar panels, Charge Controller, and Mounting Structure shall be made such that the equipment is not damaged, while transporting, loading and unloading.
- 13) Quality and Workmanship: All the units of the system shall be manufactured in accordance with international quality management systems ISO 9001- 2000(or latest ISO), for which the manufacturer shall be duly accredited. A quality plan describing the quality assurance system followed by the manufacturer would be required to be submitted. The manufacturer shall also be accredited for the compliance of ISO 14001 (latest issue) pertaining to environmental requirements. All wiring shall be neatly secured in position and adequately supported Metal panel or cover holes through which the wires or cables pass shall be bushed. All materials and workmanship shall be of professional quality to ensure the requirements.

SIGNATURE OF THE CONTRACTOR WITH SEAL

**Schedule C**  
**Technical Specifications of SPV Power Plant**

**TECHNICAL SPECIFICATIONS OF 100 KWP & 25 KWP ON GRID SOLAR PV PLANT**

SCOPE OF WORK:

The extent of the work shown and specified hereunder is defined to include all labour, materials, equipment, and supervision required for the design, fabrication, supply, installation, testing and commissioning of the complete solar power generation system, and subsequent upkeep and maintenance as defined.

Design, Supply, Installation, Testing & Commissioning and Maintenance for 5 years after completion of defect liability period of 5 year for 100 KWP and 25 KWp of ON-Grid Rooftop Solar Power System Own Buildings, coming under Andhra Pradesh including the following:

1. The solar power generated shall be utilized for consumer load and the surplus power to be fed into the grid.
2. Net- Metering and Grid connectivity of the roof top solar PV system under this scheme shall be in accordance with the prevailing guidelines of APSPDCL. Obtaining permission from local authority, liaison and approval vests with the Contractor only. Any charges in this matter shall be borne by the Contractor. Application Charges, Statutory Charges against receipts shall be borne by the Bank.
3. In case of grid failure, the standby inverter shall create a captive grid and SPV power keeps feeding to this captive grid.
4. In case of low solar irradiation or cloudy weather, the deficit power is taken from the grid or DG.
5. System configuration must conform to Indian grid system (tt-n; 3-phase, neutral & earth).

The important Technical specification to be taken care during various stages like design, construction, commissioning and maintenance have been enumerated below.

1. Solar Photo Voltaic Modules

- i. Solar photo voltaic module array shall consist of high efficiency Solar Modules utilizing Mono / Multi Crystalline high power Silicon Terrestrial Solar Photovoltaic cells.
- ii. Solar photovoltaic module capacity shall not be less than 545 Wp at STC.
- iii. Solar module shall be laminated using lamination technology using established polymer (EVA) and Tedlar / Polyester laminate. Anti-reflection coating to be applied on cells to improve light absorption and to increase cell performance.
- iv. The modules shall be connected in suitable series / parallel combination to meet the voltage / current requirements of the Inverter units.
- v. Solar Photovoltaic module efficiency shall be minimum 15% and power tolerance shall be in the range of 0 to +3%. The temperature co-efficient of power for PV modules should be less than or equal to -0.45% per deg C.
- vi. The rated output power of any supplied module shall not have negative tolerance.
- vii. Module shall be made of high transmissivity glass front surface giving high encapsulation gain and hot butyl rubber edge sealant for module protection and mechanical support.
- viii. All materials used must have a proven history of reliable and stable operation in external outdoor applications.
- ix. Solar modules shall be designed to operate and perform in relative humidity up to 90% with temperatures between +10 Deg C and +85 Deg C and with stand gusts up to 150 km/h from



back side of the panel.

- x. The Solar PV modules and production processes employed in the manufacture of the offered module shall be in accordance with the requirements of IEC 61215 Ed 2, IEC 61730 Part 1(Requirements for Construction) & Part 2(Requirements for Testing), IEC 61701 for operation in corrosive atmosphere.
- xi. SPV Modules shall be tested and approved by any one of the IEC authorized test centers. Test certificates can be issued by any of the NABL/BIS Accredited Testing/ Calibration Laboratories. Copy of the above Certifications along with I-V characteristics of all suitable modules as per specifications proposed to be used in the system must be provided along with offer. Undertaking from manufacturer / supplier that the modules being supplied are as per above shall also accompany the offer.
- xii. The module frame must be made of corrosion resistant materials, which is electrolytically compatible with the structural material used for mounting the module.
- xiii. Structure shall be designed to allow easy replacement of any module and in accordance with site conditions.
- xiv. Module Junction box shall of Flame proof / Explosion proof type be designed for long life outdoor operation in harsh environment and shall be IP 65 or better.
- xv. Degradation of power generated should not be exceeding 20% of the min. rated power over a 25 year period.
- xvi. Efficiency of solar PV system shall be guaranteed to 90% for up to 10 years & 80% for up to 25 years.
- xvii. The PV modules shall be equipped with bypass diode to minimize power drop caused by shades.
- xviii. The solar modules shall have suitable encapsulation and sealing arrangements to protect the silicon cells from the environment. The arrangement and the material of encapsulation shall be compatible with the thermal expansion properties of the Silicon cells and the module framing arrangement / material. The encapsulation arrangement ensures complete moisture proofing during life of the solar modules.
- xix. Each module must have low iron tempered glass front for strength and superior light transmission. It also must have tough multilayered back sheet for environment protection against moisture and high voltage electrical insulation.
- xx. The fill factor of modules shall not be less than 0.70.
- xxi. The Max. System Voltage of the modules used shall be 1000-V DC.
- xxii. Each PV module shall have an RF identification tag (RFID) fixed inside the module laminate, but able to withstand harsh environmental conditions, containing following information.
  - Name of manufacturer of PV Module
  - Name of manufacturer of Solar cells
  - Month & Year of manufacture (separately for Solar cells & module)
  - Country of origin (separately for Solar cells & module)
  - I-V Curve for the module
  - Peak wattage  $I_m$ ,  $V_m$  and FF for the module
  - Unique serial no. and model of the module
  - Date and year of obtaining IEC PV module qualification certificate
  - Name of the test lab issuing IEC certificate
  - Any other relevant information on traceability of solar cells and module as per ISO 9000 series.
- xxiii. Modules shall be North-South oriented.

- xxiv. MCB of suitable rating to be provided for connecting / disconnecting Solar array and PCU for maintenance purposes.
- xxv. The Solar PV Modules shall meet all the requirements of latest MNRE guidelines.

#### Mechanical Features

- Solar Photovoltaic Module shall be made of toughened, low iron content, high transmissivity front glass.
- Anodized Aluminum Frame shall be provided around the module.
- The module shall be encapsulated with Ethyl Vinyl Acetate (EVA).
- Silicon edge sealant shall be provided around laminate.
- The back surface shall be Tedlar /Polyester trilaminate.
- Weather proof (IP 65) terminal box shall be provided for the module output terminations.
- The module shall be Resistant to water, abrasion, hail impact, humidity & other environmental factors for the worst situation at site.
- Bypass diode arrangement shall be provided.
- All nuts and bolts shall be made of very good quality stainless steel (SS 304 minimum)

#### **Marking**

Each module shall carry the following clear indelible markings as minimum:

- Name, monogram of manufacturer
- Type or module number
- Module serial number
- Polarity of terminals
- Maximum system voltage for which module is designed
- Date and place of manufacture

#### 2. Module Mounting Structure

- i. Module Mounting Structure should be as per MNRE specifications and supply & installation shall be in scope of contractor.
- ii. The structure shall be designed in accordance with the latitude of the place of installation. The array mounting structure shall be designed to allow easy replacement of any module and shall be in line with site requirement. Structure shall be designed for simple mechanical and electrical installation. It shall support SPV modules at a given orientation, absorb and transfer the mechanical loads to the ground properly.
- iii. The array structure shall have tilt arrangement to adjust the plane of the solar array for optimum tilt.
- iv. The array structure shall be made of hot dip galvanized MS angles/anodized aluminum of size not less than 50 mm x 50 mm x 6 mm size. The minimum thickness of galvanization shall be at least 120 microns. All nuts & bolts shall be made of very good quality stainless steel. The minimum clearance of the lowest part of the module structure and the developed ground level shall not be less than 500 mm.
- v. Leg assembly of module mounting structure made of different diameter galvanized tubes are accepted. The work should be completed with supply, fitting fixing of clamps, saddles, nut & bolts etc. While quoting the rate, the contractor may mention the design & type of structure offered. All nuts & bolts shall be made of very good quality stainless steel.
- vi. The array structure shall be so designed that it will occupy minimum space without sacrificing

the output from SPV panels at the same time it will withstand wind speed up to maximum of 150 km/hr.

- vii. The contractor shall specify installation details of the PV modules and the support structures with appropriate diagrams and drawings after receiving the offer.
- viii. The structure layout drawings along with shading calculation and detailed design shall be submitted to banker for approval after receiving the offer.
- ix. PCC ARRAY FOUNDATION BASE: The legs of the structures made with GI angles will be fixed and grouted in the PCC foundation columns made with 1:2:4 cement concrete. The minimum clearance of the lowest part of any module structure shall not be less than 500 mm from ground level. While making foundation design, due consideration shall be given to weight of module assembly, maximum wind speed of 200 km/hr and seismic factors for the site.
- x. The contractor can visit the site before quoting the rate for civil works. After taking in to consideration all aspects of the site, condition of roof etc., the contractor shall quote for civil works. No extra claim shall be entertained at post project stage.
- xi. The foundation design of module structure design shall be submitted to banker for approval. The work will be carried out as per designs approved by bank. The contractor shall specify installation details of the PV modules and the support structures with appropriate diagrams and drawings. Such details shall include, but not limited to, the following;
  - 1. Determination of true south at the site;
  - 2. Array tilt angle to the horizontal, with permitted tolerance;
  - 3. Details with drawings for fixing the modules;
  - 4. Details with drawings of fixing the junction/terminal boxes;
  - 5. Interconnection details inside the junction/terminal boxes;
  - 6. Structure installation details and drawings;
  - 7. Electrical grounding (earthing);
  - 8. Inter-panel/Inter-row distances with allowed tolerances; and
  - 9. Safety precautions to be taken.
- xii. The array structure shall support SPV modules at a given orientation and absorb and transfer the mechanical loads to the rooftop columns properly. All nuts and bolts shall be of very good quality stainless /galvanized steel.
- xiii. In case of any defects arising in the building during guarantee period of Five year, the contractor shall rectify the same at their own cost.

### 3. DC Combiner Box/Array Junction Box

The junction boxes shall be dust proof, vermin and waterproof and made of FRP/powder coated Aluminum.

The terminals shall be connected to copper bus bar arrangement of proper sizes. The junction boxes shall have suitable cable entry points fitted with cable glands of appropriate sizes for both incoming and outgoing cables and earthing provision shall be available. Suitable markings shall be provided on the bus bar for easy identification and cable ferrules shall be fitted at the cable termination points for identification. Each main junction box shall be fitted with appropriate rating blocking diode. The junction boxes shall be of reputed make and conform to IP65 standards and IEC 62208. Door shall be of hinged door with EPDM rubber gasket to prevent water entry.

The junction boxes shall have suitable arrangement for the Following:

- Combine groups of modules into independent charging sub-arrays that shall be wired to the controller.
- Provide arrangement for disconnection for each of the groups.
- Provide a test point for each sub-group for quick fault location.
- To provide group array isolation.
- The rating of the JB's shall be suitable with adequate safety factor to inter connect the Solar PV array.
- Suitable capacity MOVs shall be provided within the box to protect against lightning

*Fuse Protection on Strings:* DC fuses rated from 2A to 200A from leading manufacturers to be used in the combiner box to provide over-current protection. Fuses to be provided with indication.

*Surge Protection Device:* Surge Protection devices or SPD to be provided to protect the combiner/junction box from any power surge and voltage spike. SPD to be used should meet Type 2 regulations, and to be typically rated between 600 to 1000V.

*Input Glands/ Connectors:* The combiner/ array junction box offered is to be provided with IP 67 rated Cable Glands or MC 4 connectors at the input side to lead the array strings into the box.

#### 4. Grid Interactive Inverter/PCU

- i. The Power Conditioning Unit comprises the Inverter(s) and associated MPPT, control, protection, data logging devices etc.
- ii. Solar array shall produce DC energy output which shall be supplied to the DC bus for inverting to AC voltage. Maximum Power Point Tracking (MPPT) system shall be an inherent feature of the system and shall be used to extract maximum energy from solar array to produce 415 VAC 3 ph 50 Hz output. The output shall be synchronized with the station's grid power.
- iii. The system shall generate power for use during the day-light hours directly by the captive load.
- iv. The peak efficiency of PCU shall not be less than 97% & shall be designed to meet the Solar PV Array capacity control which will extract maximum energy from solar array and provides 415V AC +/-10%, 50HZ, to synchronize (and not export) with local utility grid in Indian ambient conditions.
- v. The efficiency of PCUs used at Insolation levels of 10% to 90% shall not be less than 90%.
- vi. Output of Inverter shall be 3 phase, 415 v +/- 10%, 50 Hz sine wave with < 3% total harmonic distortion (THD). Additionally, it will provide protection features such as over current, short circuit, over temperature as a minimum.
- vii. PCU shall be of very high quality having high peak efficiency of 97% and above. The PCU should be completely compatible with the SPV array voltage and local grid / DG supply voltage.
- viii. Switching shall be MOSFET / IGBT based.
- ix. Idle current shall be less than 4% of rated capacity.
  - x. The PCU shall be string type inverters to reduce the DC power losses & can have the flexibility to increase the capacity of the plant.
  - xi. The PCU shall be designed for continuous, reliable power supply as per specifications.
  - xii. The PCU shall be capable of complete automatic operation and shall be capable to synchronize independently & automatically with the grid supply and DG Supply. The idea for installing SPV unit is to be utilize whatever power is available and directly feed into the system irrespective of whether grid supply is 'ON' or DG is 'ON' on SOLAR FIRST basis.
- xiii. The PCU shall have a built-in data logging facility to remotely monitor and control plant performance through external PC.

- xiv. The PCU shall have internal protection arrangement against any sustained fault. The dimension, weight, foundation details etc. of the PCU shall be clearly indicated in the detailed technical specification provided by the contractor.
- xv. It has user friendly LED / LCD Graphical display for programming and viewing of the Solar system parameters and protection status.
- xvi. The operating temperature range shall be -20 to +50 deg C
- xvii. Housing cabinet – IP-20(Minimum) for indoor, IP-65(Minimum) for outdoor
- xviii. Power factor shall be greater than 0.9
- xix. Cooling shall be forced air cooling through cooling fan.
- xx. The system shall be capable of automatic operation with automatic wake-up in the morning and providing supply to the load after synchronizing with Grid/DG supply.
- xxi. When the generated power is below a low, preset value or the solar insolation is below a set value for a pre-determined amount of time, the inverter shall be disconnected from the grid and shall be operated in a “sleep mode”. In this mode, the inverter power stage components shall be switched off, thereby keeping the stand by losses to a bare minimum.
- xxii. Unique MPPT algorithm shall adjust the DC Link operating voltage to ensure that maximum power is extracted from the solar array in an efficient manner.
- xxiii. Automatic “Sleep Mode” shall be provided to reduce standby losses.
- xxiv. The system shall be designed to minimize both conducted and radiated RFI emissions.
- xxv. The capacity of the Inverter shall be chosen based on the PV system wattage. However, the total Peak output Power rating of all the PCU’s at operating temperatures of 45 deg C shall not be less than 100 KW.
- xxvi. Overload protection shall be min. 150% for one minute.
- xxvii. The inverter must have a DC disconnect switch / device.
- xxviii. MCB of suitable rating to be provided for connecting / disconnecting Load and PCU.
- xxix. The inverter must have an integrated MODBUS RS-485 interface for connectivity.
- xxx. Potential free contact shall be provided for the ‘Solar system operation status’ for remote monitoring.
- xxx. The PCU shall meet all the requirements of latest MNRE guidelines.

#### 5. Indications

- Inverter on
- Grid on
- Inverter under voltage / over voltage
- Inverter over load
- Inverter over temperature

#### 6. Protections

- Over voltage at input
- Over current at output
- Over / under output voltage
- Over / under grid frequency
- Over temperature
- Short circuit
- DC reverse polarity
- Protection against lightning

- Surge voltage protection
- 7. Remote Monitoring
  - DC power input
  - DC input voltage
  - DC input current
  - AC power output
  - AC voltage
  - AC current
  - AC frequency
  - Power factor
  - Energy harvested daily / monthly / yearly
  - Inverter status
  - Total power generated/operation time

The PCU including MPPT and protection shall conform to IEC 61683 / IS 61683, IEC 60068 – 2 / equivalent BIS standards.

#### 8. Data Monitoring of Solar Power Plant

The system performance monitoring and solar generation data is recorded using a data logger. The Monitoring system shall comprise of the following main components:

- PCU logs the inverter performance data and transmits the same to the Data logger.
- Data monitoring system logs irradiance (solar insolation) and ambient temperature. Necessary sensors required for the same shall be provided by the Contractor and sensor outputs interfaced to the Solar monitoring system
- Data logger gathers information and monitors the performance of the inverter. It also supports measurements from the external sensors. The data can be acquired through Ethernet port (RJ45) and shall be available to connect to Bank network.
- The data acquisition system shall have a real-time clock and data storage capacity for recording data round the clock for min. one year.
- The monitoring of the Solar system and logging / viewing of system data shall be done through a PC with HMI software to be supplied by the Contractor.
- PC Data logging software enables automatic long-term storage of measured data from SPV Plant. It allows visualization, monitoring, commissioning and service of the installation.
- The software package shall be preferably windows based.
- The Solar system data shall be logged in chronological order, date wise. The periodicity of data logging shall be configurable.
- Event logging shall be adjustable repetition from 01 second to 600 Seconds, with storage capacity up to 03 Years with 10 minute logs.
- The system shall be capable of providing graphical trends for viewing the system parameters on real time as well as historic basis. It shall be possible to generate reports based on the logged historic data which shall be exportable in MS Excel / PDF formats.
- System shall have provision for remotely viewing the System status on local LAN /INTRANET of bank.

#### 9. AC Distribution Board (ACDB)

An AC distribution box shall be provided between the Inverter and the existing LT Panel of bank. This

panel shall have provision for protection, connection and disconnection of individual inverters from the AC system.

The AC Box will be used to combine AC power coming from the inverters.

- The AC Box shall be dust, vermin & water proof & made of FRP / ABS plastic.
- The junction boxes shall have suitable cable entry points fitted with cable glands of appropriate sizes for both incoming and outgoing cables.
- Suitable markings shall be provided on the bus bar for easy identification and cable ferrules shall be fitted at the cable termination points for identification.
- It should have the facility to protect from over currents & isolate the AC box from the main AC line.
- The AC Box should have surge protection devices, to protect inverters from surges in the AC line.
- For service & emergency safety requirements, the circuit breakers / load– break switches must have facility for remote operation.
- The Solar Power should be exported to the LT Panel bus bar through a Energy Meter. The Energy meter should have Modbus RS- 485 communication interface.

#### 10. DC Distribution Board (DCDB)

DC Distribution panel board shall be provided to receive the DC output from the array field, with analog measurement panel for voltage, current and power from different MJBs so as to check any failure in the array field. DCDB shall have enclosure of dust & vermin proof. The bus bars shall be made of copper of desired size. Suitable capacity MCBs along with necessary surge arrestors shall be provided for controlling the DC power output to the PCU/Inverter. DCDB shall be fabricated by CRC Sheet/ FRP / ABS plastic to comply with IP 65 protection.

#### 11. Cables and Accessories

- 1.1. Cables should be FRLS PVC insulated Copper Conductor armoured Cables of 1100 V
- 1.2. Grade and shall conform to IS: 1554 / IEC 60502 AND IS 694 / IEC 60227.
- 1.3. Cable should be Bright Annealed 99% pure Copper Conductor. Conductor shall be of electrolytic copper confirming to IS: 8130
- 1.4. Cables shall be UV and weathering resistant.
- 1.5. Voltage drop & losses to be kept to minimum. On DC side voltage drop to be max 1%.
- 1.6. Cables shall be laid on prefabricated GI cable trays and through suitable HDPE pipes.
- 1.7. All interfaces between panel integral cable and extension cable must be done using MC4 equivalent connectors only.

#### 12. Earthing and Lightning Protection

##### 12.1 Earthing Protection

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 provided inside the array field. Provision should be kept for shorting and grounding of the PV array at the time of maintenance work. All metal casing/shielding of the plant should be thoroughly grounded in accordance with Indian Electricity Act/IE Rules. 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. Earth resistance shall not be more than 5 ohms for individual pit and shall be less than 1.0 Ohms for Grid in line. It shall be

ensured that all the earths are bonded together to make them at the same potential. The earthing conductor shall be rated for the maximum short circuit current, and shall be 1.56 times the short circuit current. The area of cross - section of conductor shall not be less than 1.6 sq mm in any case. The Earthing pits shall be made at locations approved by bank.

## 12.2 Lightning protection

There shall be the required number of suitable lightning arrestors (ESE) installed in the array area. Lightning protection shall be provided by the use of metal oxide arrestors and suitable Earthing such that induced transients find an alternate route to earth. Protection shall meet the safety rules as per Indian Electricity Act2003/IE rules.

## 13. FIRE EXTINGUISHERS

This control room shall be provided with Portable fire extinguisher for fire caused by electrical short circuits. Apart from this Sand buckets shall be placed in relevant areas mandated by BIS. The installation of Fire Extinguishers should confirm to TAC regulations and BIS standards. The fire extinguishers shall be provided in the control room housing the PCUs as well as on the roof top where the PV arrays have been installed.

## 14. Finish & Painting

*Corrosion Resistance:* All surfaces of the equipment including frame modules, covers, chassis, brackets, etc., shall be treated to prevent corrosion.

The ACDB/DCDB shall be Galvanized iron / powdered coated/Weather proof paint. Colour scheme shall be as follows: Siemens Gray

*Name Plate:* A name plate, anodized shall be suitably fixed to the modules of the glass, iron structure and charge controller with the following:

Name Plate for SPV Panel and Mounting Structure: Name of the User

Manufacturer's name and identification mark Name of the Item  
Model No.

Serial No. of the unit Year  
of manufacture Name

Plate for PCU:

Name of the user

Manufacturer's name and identification mark Name of the Item  
Model No. Type

of unit

Serial No. of the unit Year of  
manufacture

Rating and voltage of the PCU/Inverter

Input voltage

Output Voltage and Current

On the front top of the PCU,ACDB/DCDB cabinet, an anodized, screen printed or any other arrangement ensuring better life expectancy designation plate in "Bold" letters showing "100 kWp SPV POWER PLANT UNDER GREEN INITIATIVE SCHEME".

## 15. TOOLS, SHACKLES

After completion of installation & commissioning of the power plant, necessary tools & shackles are to be



provided free of cost by the supplier for maintenance purpose.

#### 16. Documentation

Supplier shall provide 02 sets of Operation & Maintenance Manual in English for the complete system with Block diagram, detailed description of all the system components, mounting of PV Module, electronics used, working, starting and shutdown procedures, maintenance and trouble-shooting instructions, DO's & DONT's, Name & address of contact person or Centre to be contacted in case of complaints/ failure. Warranty Card & Service entry card shall be provided with the SPV Power Plant systems.

Supplier shall provide 02 sets of the As-built Detailed Wiring diagrams, Array layout and termination schedules. Approval of Bank needs to be obtained on the content of Manual,

#### 17. Installation of Components and Materials

Description:

1. Supply and installation of Module mounting structure/ super structure for mounting at roof top.
2. The PV modules shall be installed with necessary tilt with the most effective orientation. Tilt angle to be optimized to obtain maximum generation.
3. Supporting structure material shall be compatible with the PV panel mounting frame.
4. Each module can be mounted on a mounting structures fabricated from hot dip galvanized MS, using appropriate clamps and trapezoidal sheet holders, rail track connectors, screws and fixtures. The structure shall be non-corrosive and long lasting. Each structure will carry multiple modules to form a row. The structure shall be capable of withstanding a wind speed of 150Km/Hr. after grouting and installation and shall be designed to cater very rough climatic conditions. The contractor shall furnish design calculations to confirm the wind speed withstand capability of the structure. The same will be reviewed by the banker's engineer's and in case of any shortcomings in the design the contractor shall make suitable changes so as to make the entire structure capable to withstand against wind speed specified as above. The mounting structure shall be guaranteed for at least 5 years.
5. Supply and installation of power conditioning unit (PCU) consisting of Solar Charge Controller/ Inverter.
6. The installation shall include the electrical wiring, cabling, terminations, cable trays, micro/ string inverters, metering and hooking up the system to the including synchronization with plant main LT Panel grid / DG set.
7. Installation of inverter should be in a ventilated area and proper inter-spacing is to be provided.
8. Laying of power/ control copper cables from PV power to plant room, Main LT panel including within terraces.
9. Supply and installation of cables on prefabricated GI cable trays and / or within suspended ceiling spaces including installation, cable trays, hangers, supports, cable terminations all fixing accessories (terrace to plant room inclusive of PVC sleeve/ other accessories etc. wherever required)
10. Supply and installation of earthing system with testing joint for every pit (grounding) system including cutting of roads / paved areas / PCC floor etc and making as good as in original shape. Prior to execution, design shall be submitted by contractor for approval by bank.
11. Supply and installation of lightening arrester, required as per statutory norms/guidelines as approved by bank.

#### 18. Testing and commissioning

Pre-commissioning tests of all electrical equipments. Specific points to be

considered during commissioning are:

1. Continuity checking and insulation resistance measurement of cables.
2. Proper crimping, lugging and glanding of cables before final terminations.
3. Checking of all electrical terminations for any loose contacts.
4. Proper earthing of electric equipment & solar array to be ensured.
5. At junction box in solar array, voltage levels to be checked (between positive & negative terminal, positive to earth and negative to earth) in consultation with inverter OEM.
6. Inverter to be checked in testing mode and after No Fault indication is displayed on LCD it is to be connected to grid/battery.

#### 19. Annual Generation Guarantee

Contractor shall give minimum annual power generation guarantee of

100 KwP:1,35,000 Units/Kwh and 25 KwP:33750 Units/KwH per system for first year (Calculated on the basis of average 4.5 KWH per KWp functioning for 300 days) and for subsequent years as per following

—

2nd Year	: 99.0% of 1st Year Generation
3rd Year	: 98.5% of 1st Year Generation
4th Year	: 98.0% of 1st Year Generation
5th Year	: 97.5% of 1st Year Generation

In case of short fall, Contractor will compensate for the less power generated as per prevailing rate of State electricity board for first five years. The power generation trend after first 5 years must be mentioned.

Contractor may monitor the performance of system installed. In case Contractor finds that installed system will not meet assigned minimum annual guarantee, it is up to Contractor to upgrade the system to meet the minimum requirement at his own cost.

#### 20. LT Panel & AC Distribution Box - Interconnection

The Inverter / Power conditioning unit converts DC energy produced by solar array to 3 phase AC power. The AC power output of the inverter shall be fed to the AC Distribution Box (metering panel & isolation panel) which also houses energy meter. The 415 V AC output from the AC distribution box is fed to the owner's LT panel for feeding the building load. The AC power from the Solar Inverter shall be synchronized with the station's supply grid and power is fed into the building load on continuous basis. The connectivity / interfacing of the AC power output from the Solar Inverter to the existing grid power shall be designed and carried out by the contractor. First preference for drawing power shall be from Solar Inverter, the balance power shall be automatically drawn from the grid supply. Contractor shall finalize the scheme of interconnection to LT Panel / load after discussion with bank.

#### 21. Integration Of Solar Power With Grid

The output power from SPV would be fed to the inverters which converts DC produced by SPV array to AC and feeds it into the consumer load and the surplus power to be feed into the grid after synchronization. In case of grid failure, or low or high voltage, solar PV system shall be out of synchronization and shall be disconnected from the grid. Once the DG set comes into service PV system shall again be synchronized with DG supply and load requirement would be met to the extent of availability of power. 4 pole isolation of inverter output with respect to the grid/ DG power connection need to be provided.

22. Grid Islanding

i. 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. This prevents the DC-to-AC inverters from continuing to feed power into small sections of the grid, known as “islands.” Powered islands present a risk to workers who may expect the area to be unpowered, and they may also damage grid-tied equipment. The Rooftop PV system shall be equipped with islanding protection. In addition to disconnection from the grid (due to islanding protection) disconnection due to under and over voltage conditions shall also be provided.

ii. A manual disconnect 4 pole isolation switch beside automatic disconnection to grid would have to be provided at utility end to isolate the grid connection by the utility personnel to carry out any maintenance. This switch shall be locked by the utility personnel

23. Acceptance Criteria

Final acceptance of the integrated system will be given only after validating the performance of the system as in Installation, Testing and Commissioning of clause above.

24. Guaranty

All the components of the system shall be guaranteed for any manufacturing defect or inferior components for a period of FIVE years from the date of commissioning.

25. Training

The supplier shall provide training to at least 3 departmental operators on the O & M aspects of the system

**TECHNICAL SPECIFICATION OF 3 KwP and 5 KwP OFF GRID SOLAR PV SYSTEM**

**LOAD DETAILS**

The Solar UPS system shall power the following loads:

**SYSTEM REQUIREMENT:**

	<b>3 KwP Solar PV System</b>
Computers	140w x 9 No's
Fan	80wX4 No's
Printer	60w x 3 Nos
LED Lights	20W X 4 No's
CC Camera	260W X 1 No's
Security Alarm	12W X 1 No's
Cash Counting Machine	80W X 1 No's
Battery Backup	To charge existing/now provided 150AH X 8 batteries

	<b>5 KwP Solar PV System</b>
Computers	140w x 9 No's
Fan	80w x 3 Nos
Printer	60W X 3 No's
LED Lights	20W X4 No's
CC Camera	284W X 1 No's
Security Alarm	12W X 1 No's
Cash Counting Machine	80W X 1 No's
ATM	1200WX1 No's

Battery Backup	To charge existing/now provided 150AH X 12 No batteries
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The Solar system should be connected to the existing / now provided 3 KVA 96V UPS with 150Ah 8No's batteries and 5 KVA 144 V UPS with 150Ah 12 No's batteries (tubular maintenance batteries). The Solar power should be used during day time for computers/printers/lamps and simultaneously charge the batteries. When the Solar energy fails the systems should run either through electric power or through battery backup. All other specifications as above correspondingly changed.

ITEM	SPECIFICATIONS
Solar PV Modules	
<ul style="list-style-type: none"> <li>3KWP</li> </ul>	<p>The Solar PV Modules offered shall be made of high efficiency Mono PERC PV Cells with minimum power output not less than 3270 Wp@ STC (545Wp x 6). Solar modules of efficiency above 12.5% and with higher power rating is preferred. The offered Solar PV Modules should have valid IEC 61215 Certificate, UL/CE/TUV approval and / or certified by MNRE, Government of India approved laboratory such as ETDC or SEC of MNRE.</p>
<ul style="list-style-type: none"> <li>5KWP</li> </ul>	<p>The Solar PV Modules offered shall be made of high efficiency Mono PERC PV Cells with minimum power output not less than 5450 Wp@ STC (545Wp x 10). Solar modules of efficiency above 12.5% and with higher power rating is preferred. The offered Solar PV Modules should have valid IEC 61215 Certificate, UL/CE/TUV approval and / or certified by MNRE, Government of India approved laboratory such as ETDC or SEC of MNRE.</p> <p>It shall be designed to perform at relative humidity up to 100% and temperature range of -10<sup>2</sup> to +85<sup>2</sup> C and withstand wind speed of 200 km/h from the back side. The rated o/p of the PV Module shall not vary more than 3 to 5% from the rated power. Protective devices such as Bypass diodes/blocking Diodes may also be provided. Fill factor of the modules shall be 0.7 (typical).</p> <p>The Solar PV Modules shall be manufactured in India and offered with a 10-year warranty on power output, with degradation not exceeding 10% of the rated output over the 10-year period.</p> <p>Total Solar PV Array capacity shall not be less than 2880Wp and no of modules required to be worked out accordingly.</p>
Solar module mounting structure	<p>Mounting structure for solar PV modules should be fabricated with hot dip or spray galvanized M.S angles and shall be provided with fixed tilt angle depending on the site latitude. Galvanizing shall be minimum 70 microns thick. All nuts and bolts shall be of stainless steel-SS 304 only. The structure shall be designed for simple installation without too many welding joints. It shall be capable of withstanding 180km/h wind speed.</p> <p>Vendor shall provide the drawing of the solar module mounting structure.</p>
Junction Box	Junction box shall be made of FRP or ABS plastic for long life and shall be dust and vermin proof with glands for cable entry.
Solar charge controller	Solar Charge Controller shall be of PWM (Pulse Width Modulation) type and provided with a blocking diode for extra protection. Efficiency of the Solar Charge Controller shall be >92% and designed to operate in ambient temperatures up to 45 <sup>0</sup> C. It shall incorporate protection for over charge of the battery by means of varying pulse width automatically.

Cables	The cables supplied shall be as per IS 694 or IS 1554. The cables required are as follows:  2C X 2.5 mm <sup>2</sup> for array interconnection and from solar module junction box to array junction box.  2C X 10 mm <sup>2</sup> from array junction box to charge controller, charge controller to battery bank and battery bank to inverter.
Earthing	The solar PV array Structure shall be grounded properly with adequate no. of earthing kits to ensure safety of the system
Installation Accessories	Vendor shall supply one set of installation accessories containing lugs, mounting hardware, extension strip, hydrometer etc
Accessories	Mounting Hardware (as per requirement for installation) –1 set 2.Lugs&Cable Ties (as per requirement for installation) –1 set 3.and any other accessories for the solar power pack

### **TECHNICAL SPECIFICATIONS FOR OFF GRID 3 KWP & 5 KWP SOLAR PV PLANT**

SI.No. SPECIFICATIONS	OUR REQUIREMENT
1. Capacity	3 KWP and 5KWP
2. Model Name & No	Please Specify
3.GENERAL	
Technology	IGBT
Noise level	Less than 50 db
Operating Temperature	0-45 degrees centigrade
Humidity	10 to 90% non-condensing
Total Harmonic Distortion	< 3% for 100% linear load < 5% for 100% non-linear load
Crest Factor	Minimum 3:1 at full load
Output Wave Form	Sinusoidal
Cold Start feature	Should be provided
Active input PF correction	Required (should be more than 0.9)
Input	Single Phase 3 wire
Input Voltage Range	160VAC to 270 V AC Preferred if it is upto 300 VAC
Input Frequency Range	47 to 53 Hz
Input power at full load minimum rated power factor)	@ 0.8PF — 0.99 @ 0.7 — 0.99PF
Input Voltage at which mains fail is sensed at full load and battery takes over.	160-270
5. OUTPUT	
Output Voltage	230 VAC Single Phase +/- 1.5% at full load
Output frequency	50 Hz +/- 0.5% (free running)
6. EFFICIENCY	
Overall efficiency	88% or better

Inverter Efficiency	90% or better
7. STATIC SWITCH (Bi-directional) for all ratings	Should be provided and should take care of 100% load transfer without break.
8. LOAD POWER FACTOR	Should not be less than 0.7 lagging (0.8 is referred)
9. OVERLOAD CAPACITY	150% overload for 60 seconds 125% overload for 10 minutes
UPS Shut down	250(settable by engineers)
Output over voltage	200(Settable by engineers)
Output under voltage	1.75 V/cell
Battery low	150% overload for 60 seconds
Inverter over load	
Over temperature	
Output short	
Isolation of Power	Both input and output should have MCB's. Also, Battery connection to have MCB/MCCB/switch.
Isolation Transformer	In built at input
Galvanic Isolation	Preferred
Manual Service Bypass	Required
12.PROTECTION	
Short Circuit Protection	MCB/MCCB/should trip or UPS should shut down without blowing any fuses.
Input over and under voltage	MCB with Alarm. UPS should be absolutely safe in the case of High Voltage/High Current/High Spike/High Surges etc at input to the UPS.
INDICATORS (not through software)	Required
Over Temperature	
Load on Battery	
Battery on Charge	
Input_over/under voltage	
Battery Low (warning and prior Half an hour warning stating Battery is going low	
Inverter On	
Output Over voltage	
Output low	
Charger on	
UPS On Bypass	
14. Metering (not through software)	Required
DC Voltage	
DC Current Charge	
Out Put Voltage	
Out Put Current	
Input voltage	

Digital Three and Half digit Frequency Meter	
<b>15. BATTERY BACKUP</b>	
Period of backup	Four hours (minimum 4 hours
Batteries	Tubular Maintenance batteries) Exide make
Total DC bus voltage	96V
Battery make (give literature)	Exide make EL 150 AH (C-10 rating) 8 No.s Exide EL
Number of Battery banks	Please specify
Charger Internal/External	Specify external or internal
Maximum Charger Current	Please specify (should be at least 10% of Battery
Battery recharge time (after complete discharge) to 100% charge	Battery recharge time should not exceed 12 hours
Battery VAH rating	
3kw	1200 VAH
Number of Batteries	8
5kw	to 1800 VAH
Number of Batteries	12
Battery Housing	In a two-stage stand (preferably wooden)
Battery life	Please specify (Minimum 5 years req)
<b>16. Audible Alarm for following conditions</b>	Alarm facility required
Battery low	
Mains failure	
Input over/under voltage	
Inverter under voltage	
Inverter over voltage	
Over temperature	
Inverter over load	
Warranty	5 years for UPS and batteries also

SIGNATURE OF THE CONTRACTOR WITH SEAL

**PROFILE OF THE BIDDER**

S NO	Particulars	Bidder
1	Name of the Company	
2	Year of incorporation	
3	Registered office	
	Address	
	Office Telephone Number	
	Fax Number	
4	Contact Person	
	Name	
	Personal Telephone Number	
	Mobile Number	
	Email Address	
5	Local office(s)in Andhra Pradesh or Bank Service Area	
	Address	
	Office Telephone Number	
	Fax Number	
6	Tender signing authority	
	Name	
	Address	
	Personal Telephone Number	
	Email Address	
	Please enclose Authorization or Power of Attorney to sign and submit the Tender	
7	Address for communication under the current tender	
8	Goods & Service Tax No	
9	Permanent Account Number	
EMD Amount		
S.No.	Particulars	Please furnish details
1	Name of the Bank	
2	Demand Draft (DD) Number	
3	DD Date	
4	DD Amount	

SIGNATURE OF CONTRACTOR WITH SEAL



Technical Data Sheet to be compulsorily filled by contractor for 100 KWp & 25 Kwp Solar Photo Voltaic Power Plant, Roof top Grid Tie System and 5 KWp & 3 Kwp Solar Photo Voltaic Power Plant, Roof top Off Grid System

SN	Specification	Bank Requirement	Contractor Reply
A.	SPV power plant		
1	Rated Output	To be mentioned by Contractor	
2	No. of PV Modules	To be mentioned by Contractor	
3	No. of series module in one array	To be mentioned by Contractor	
4	No. of array in parallel combination	To be mentioned by Contractor	
B.	SPV Module		
1	PV Cell type-BIS APPROVED	To be mentioned by Contractor	
2	Make of SPV Cell- BIS APPROVED	To be mentioned by Contractor	
3	Make of SPV Module- BIS APPROVED	To be mentioned by Contractor	
4	Maximum Power Rating of one module(KWp)	Should not be lesser than 300Wp-To be mentioned by Contractor	
5	Rated Current of Module	To be mentioned by Contractor	
6	Rated Voltage of module	To be mentioned by Contractor	
7	Short Circuit Current of module	To be mentioned by Contractor	
8	Open Circuit Voltage of module	To be mentioned by Contractor	
9	Sample I-V Curve Submitted (Yes/ No)	To be mentioned by Contractor	
10	Photo Electrical Conversion Efficiency of SPV module	Not less than 15% - To be mentioned by the Contractor	
11	Fill Factor of SPV Module	Greater than 0.70- To be mentioned by the Contractor	
12	No. of modules proposed to be provided to achieve minimum DC power	To be mentioned by the Contractor	

C.	Mounting Arrangement		
1	Mounting type	Roof-mounted	
2	Surface azimuth angle of PV Module	To be mentioned by Contractor	
3	Tilt angle (slope) of PV Module	To be mentioned by Contractor	
4	Confirmation that structure and module frame shall be designed to withstand wind speed of 200km/hr	Yes/No – To be mentioned by Contractor	
D	DC Combiner Box/ Array Junction Box		
1	Enclosure	To be mentioned by Contractor	
2	Necessary Fuse Protection & Surge Protection	Yes	
3	Rated Insulated Voltage	DC 1000V	
E	Power Conditioning Unit (PCU) / Inverter		
1	Make of PCU/Inverter	Schneider/ABB or equivalent	
2	Nominal Output array voltage shall be suitable for the MPPT range of PCU	To be mentioned by Contractor	
3	DC Array Input Operating Voltage	(-20% to +15%) of the DC Array input voltage	
4	Type of solar charge controller	MPPT Based Solar Charge Controller	
5	Switching device	MOSFET/IGBT based	
6	Continuous inverter Output Rating (KVA)	To be mentioned by Contractor	
7	Output Wave Form	Pure Sine Wave Output	
8	Total Harmonic distortion	< 3% @ nominal power	
9	Output Voltage	3 ph, 415± 10 %	
10	Output Frequency	50Hz ± 3%	
11	Power Factor	> 0.9	
12	PCU Efficiency	> 90% at nominal voltage & power	
13	Inverter efficiency	94% to 98% at full load	
14	No. of Inverters with Configuration	To be provided by Contractor ( to meet nominal output power)	

15	Inverter Type	To be mentioned by Contractor	
16	Idle Current	< 4% of rated capacity	
17	Regulation	±2% for DC I/p variation & o/p load variation	
18	Overload Features	150% for 1 minute	
19	Cooling	Forced Air cooling, with temperature controlled cooling fan	
20	Operating Temperature	0 to 50 °C	
21	Relative Humidity	95% Maximum	
22	LED/LCD Display : Indications	Display shall indicate system functional parameters and protection functional indicator	
23	Data monitor and display controls	RS485, Ethernet OR RS232 connectivity	
24	Protections		
	<ul style="list-style-type: none"> <li>a. Input over voltage</li> <li>b. Low/high frequency</li> <li>c. Short circuit</li> <li>d. Under/over output voltage</li> <li>e. Over Temperature</li> <li>f. Grid Input under voltage / over voltage with auto recovery</li> <li>g. DC disconnect device</li> <li>h. DC reverse polarity</li> <li>i. Anti-Islanding Protection as per the standard</li> </ul>	To be mentioned by Contractor	
25	Enclosure Protection	IP 20(for indoor) IP 60 (for outdoor)as per IEC 529	
26	Safety	<ul style="list-style-type: none"> <li>1. IEC 62103</li> <li>2. IEC 62109 Part 1 &amp; 2</li> <li>3. Galvanic Isolation at input &amp; output through transformer</li> </ul>	
27	Audible Noise	< 45dB at 1 Meter	
28	Power Control	MPPT suitable for hybrid operation.	

F	DC/AC Distribution		
1	DC Side Quantity & Ratings of MCBs	To be mentioned by Contractor	
2	AC Side Quantity & Capacity of MCBs	To be mentioned by Contractor	
3	Details of measuring	To be mentioned by Contractor	
4	Other Details	To be mentioned by Contractor	
G	Cables		
1	Make	To be mentioned by Contractor	
2	Size	To be mentioned by Contractor	
3	Other Details	To be mentioned by Contractor	
H	Earthing		
1	Details of points earthed	To be mentioned by Contractor	
2	Earth Resistance	To be mentioned by Contractor	
I	Lightning Arrestor		
1	Make & Type	To be mentioned by Contractor	
2	Area covered per Lightning Arrestor	To be mentioned by Contractor	
3	Number of Lightning Arrestors	To be mentioned by Contractor	
J	Datasheet for Modules, Inverter, Cables etc..	To be submitted along with the bid	

SIGNATURE OF THE CONTRACTOR WITH SEAL

## SCOPE OF COMPREHENSIVE AMC

### A) MAINTENANCE DURING DEFECT LIABILITY PERIOD OR WARRANTY PERIOD

1. The Contractor shall maintain the plant and associated equipment free of cost and ensure that it works as per tender parameters.
2. All spares required for normal operation as per tendered parameters shall be replaced at no extra cost.
3. The number of visits shall be same as stipulated in Comprehensive Annual Maintenance.

### B) COMPREHENSIVE ANNUAL MAINTENANCE (CAM) (after the defect liability period)

1. The Contractor shall maintain the plant and associated equipments for a period of Four years after the expiry of defect liability period and ensure that it works as per the tendered parameters.
2. The rate of annual maintenance charges shall be furnished for a period of 4 years after the expiry of warranty/defect liability period and the rates quoted shall be binding on the Contractor.
3. The cost of CAM furnished shall also be one of the criteria in evaluation of cost economics.
4. The Comprehensive Annual Maintenance Charges shall be paid once in three months in advance subject to satisfactory maintenance of previous quarter.

## SCOPE OF COMPREHENSIVE ANNUAL MAINTAINANCE CONTRACT FOR SOLAR ROOFTOP POWER SYSTEM (CAMC)

The Contractor shall offer the following at no extra cost to the bank. The rate quoted for CAMC should include the following.

1. The Contractor shall maintain the plant and ensure that it works as per the tendered parameters.
2. All the repairs and replacements of spares shall be carried out which are necessitated due to usage of system as per tender stipulations. However, the repairs and replacements necessitated by loss or damage due to misuse or accident, fire or natural calamities shall be out of the scope of CAMC.
3. The Contractor should visit every month for preventive maintenance of the system. If any breakdown calls for emergency service, the same shall be attended within 24 hrs. One of the scheduled preventive maintenance shall also be completed during such visits. Visits also shall be made for the upkeep of the system to ensure at no point of time the plant capacity is less than 90%.
4. During the Preventive Maintenance, the contract includes servicing including PV panel cleaning, repairing, maintenance and replacement of spare parts of Solar Power System for the satisfactory running of the system. During each visit the supplier shall carry out Thermography checks during the CAMC period to identify hot spot of PV modules and take corrective action. The same shall be recorded in a log book which shall be verified and confirmed by bank's representative.
5. During the break down calls, the nature of repair carried out, parts replaced etc shall be recorded in the log book.

### OTHER TERMS WITH REGARD TO CAMC:

1. The rate of annual maintenance charges shall be furnished for a period of 4 years after the

warranty/Defect Liability Period and rates quoted shall be binding on the Contractor.

2. The scope and terms of Comprehensive Annual Maintenance Contract (CAMC) like number of monthly visits, items covering under CAMC, replacement of spares exclusions if any, down time for break down and service calls shall be as mentioned above.
3. The Bank reserves the right of discontinuing the CAMC from the contractor during the tenancy of the Maintenance Contract.
4. The cost of Comprehensive Annual Maintenance Charges shall also be one of the criteria in evaluation of cost economics of the tender. All the activities under this clause shall be completed within the stipulated time.

SIGNATURE OF THE CONTRACTOR WITH SEAL

**PRICE BID**  
**TERMS OF PRICE BID**

1. Prices quoted must be firm for the period /extended period of contract. No escalation shall be admissible in respect of any item of the contract, except in case of statutory variation in items like excise duty, works contract tax (if applicable), which shall be reimbursed subject to submission of necessary documents.
2. No escalation due to IEEMA clause shall be admissible.
3. Price quoted must be inclusive of all items required for the entire job of design, manufacture, supply to site, erection, testing, commissioning, and handing over including ancillary items like minor civil works, all electrical items etc., and nothing extra shall be paid.
4. All materials shall be insured against theft, damage, etc., from the time they are transported from the factory upto the time of handing over to the bank. No claim in respect of any damage/ loss shall be entertained.
6. Watch and ward responsibility at site shall be the responsibility of the contractor.
7. CAMC RATES: WITH REGARD TO CAMC, THE RATES SHOULD BE QUOTED EXCLUDING GOODS & SERVICE TAX (GST). APPLICABLE GST WILL BE PAID DURING THE COURSE OF AMC.
8. The value of items of Price bid & Value of the AMC amount for 5 years after completion of Defect liability period will be commuted for arriving lowest bidder (L1).

Therefore, the Contractors / contractors shall furnish the AMC charges in the Price bid for 5 years and the AMC shall be Comprehensive AMC (CAMC).

The Price quoted is subject to arithmetic errors i.e in case there is error, the individual sum total shall be considered.

9. THE CONTRACTOR HAS TO EXECUTE AGREEMENT WITH IN 7 DAYS FROM THE DATE OF ORDER (AS PER THE FORMAT GIVEN BY THE BANK), CONFIRMING THAT THE SOLAR POWER PLANT WILL BE MAINTAINED AT THE TENDERED RATE FOR FIVE YEARS AFTER WARRANTY PERIOD.

SIGNATURE OF THE CONTRACTOR WITH SEAL

**Price Bid Confirmation/Bill of Material**

(To be submitted in Company's letter head by all the bidders)

Date:

To  
The General Manager  
Andhra Pragathi Grameena Bank,  
Head Office, 3<sup>rd</sup> Floor,  
Premises Maintenance and Services Department  
Beside Mariyapuram Church, Akkayapalle,  
KADAPA-516 003  
YSR Kadapa Dist, AP

Dear Sir,

**SUB: Final / Lowest Bid Price quoted in Reverse Auction, held on \_\_\_\_\_ in respect of RFP GeM Bid ref. no. 234/APGB/SOLAR/GEM/2024 dated 18.09.2024 for procurement of \_\_\_\_\_**

we are submitting the detailed price schedule as mentioned below.

**Table 1:**

#	Item Description	Total Unit Cost (excl. of taxes) (A)	quantity (B)	Grand Total (excl. of taxes) (C=A*B)	GST	Total Price (incl. GST)
1	100 kwp capacity on-grid roof top solar PV power plant		1			
2	25 kwp capacity on-grid roof top solar PV power plant		1			
3	5 kwp capacity off-grid roof top solar PV power plant along with Batteries and other equipment		1			
4	3 kwp capacity off-grid roof top solar PV power plant along with Batteries and other equipment		31			



**Table 2:**

#	Item Description	Quantity	AMC for 6 <sup>th</sup> year per unit	AMC for 7 <sup>th</sup> year per unit	AMC for 8 <sup>th</sup> year per unit	AMC for 9 <sup>th</sup> year per unit	AMC for 10 <sup>th</sup> year per unit	Total Price (Excl GST)	GST	Total Amount (Incl GST)
1	100 kwp capacity on-grid roof top solar PV power plant	1								
2	25 kwp capacity on-grid roof top solar PV power plant	1								
3	5 kwp capacity off-grid roof top solar PV power plant along with Batteries and other equipment	1								
4	3 kwp capacity off-grid roof top solar PV power plant along with Batteries and other equipment	31								
Total										

**Table 3: (Table 1+Table 2):**

#	Cost of Solar Units (Incl GST)	Cost of AMC (Incl GST)	Total cost of Project (Incl GST)

**Total Cost of Project will be taken for the finalization of L1 bidder.**

We enclose herewith the detailed break-up of above price as per Bill of Material/ detailed price schedule of RFP. We undertake to submit the Original Price Schedule duly signed with detailed break-up of above bid price as per price schedule of RFP after the end-of Reverse Auction event.

Any variation between the on-line Reverse Auction bid price quoted by us and this document will be considered as sabotaging the tender process and will invite disqualification of Bidder/vendor to conduct business with Bank as per prevailing procedure. In such case, Bank is free to take appropriate action and / or forfeit the Bid Security amount and / or debar him from participating in future RFPs of Bank.

We are bound to supply the items as per RFP requirement at the above final bid price of Reverse Auction.

We note that in case of back out or not supplying as per the above rates quoted by us during the reverse auction, Bank will take appropriate action against us and / or forfeit the Bid Security amount and / or debar

him from participating in future RFPs of Bank.

**Notes:**

- ✓ The above mentioned quantity may increase/decrease depending upon the Bank's discretion.
- ✓ All bidders have to submit detailed breakup of the quotes as per price schedule,
- ✓ L1 status is determined based on 'Reverse Auction'.
- ✓ Irrespective of the Bidder's Service Level Agreement with Original manufacturer, at cost or otherwise etc., the Bidder has to strictly adhere to the service support terms & conditions of RFP.
- ✓ Bank may enter into Annual Maintenance Contract (AMC) with the vendor after completion of free warranty & AMC period of five years for Solar Units at the rates finalized in this reverse Auction. However, Bank may at its discretion award AMC to other vendors also.

Signature and Name of the Authorised Signatory:

Designation in Company:

Name of the Company:

Address of Company:

Email:

Mobile:

Fax No:

Company Seal

