



Bank Note Paper Mill India Private Limited
Registered & Corporate office: Paper Mill Compound,
Entry Gate 1, Note Mudran Nagar,
Mysore-570003
CIN: U21090KA2010PTC055475.

Standard Biding Document (SBD)

Not Transferable

E-Tender Document for . **Engineering, Supply of balance of system, Installation, Testing and Commissioning of 10KWp off-grid (with Battery) stand alone Solar Photovoltaic Power Plant at Jawahar Navodaya Vidyalaya, D.M.G Halli, Mysuru**

E-Tender No. BNPM/TEN/SPP/139/2018-19 Dtd: 23.05.2018

The tender document contains **56** pages

The tender document is sold to

M/s
Address

Details of Contact person in BNPM regarding this tender

Name: Shri Alok Kumar

Designation: Deputy General Manager

Address Administrative office Building,
Entry Gate 1, Paper Mill Compound,
Note Mudran Nagar,
Mysore . 570003, Karnataka, India
Phone 0821-2401111
Email info@bnpmindia.com
Website: www.bnpmindia.com



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NIT	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SECTION: I
	NOTICE INVITING TENDER	SHEET 1 OF 3

BANK NOTE PAPER MILL INDIA PRIVATE LIMITED
 Paper Mill Compound, Note Mudran Nagar
 Mysore-570003
 Tele: 0821-2401 180; Fax No: 0821-2581 154
 Email: sanjeev.kunal@bnpmindia.com, website: www.bnpmindia.com
 (Name, address, telephone no., Fax, e-mail, website etc. of the Unit)

BNPM/TEN/SPP/139/2018-19 Dtd: 23.05.2018

1. Bidders satisfying the technical and commercial conditions specified in the bid and ready to supply the mentioned products & service in conformity with the Scope of work and technical specification provided in NIT and terms and conditions stipulated herein may submit their commercial quotes as specified in the format of the document. **The quote should be submitted electronically only on the BNPM e-Tendering Portal www.tenderwizard.com/BNP within the time: 11.06.2018 till 1400 Hrs.**
2. Tenders are invited in two parts (Techno-commercial & Financial) from eligible and qualified tenderers for following Goods & Service:

S.No.	Brief Description of Goods/ Services	Qty with units	Earnest Money Deposit*
1	Engineering, Supply of balance of system, Installation, Testing & Commissioning of 10KWp off-grid (with battery) stand alone Solar Photovoltaic Power Plant at Jawahar Navodaya Vidyalaya, D.M.G Halli, Mysuru	As per Section VI - LOR	Rs. 28,000/- (Rupees Twenty Eight Thousand only)

*The tenderers who are currently registered and also, will continue to remain registered during the tender validity period with DGS&D or with National Small Industries Corporation (NSIC), New Delhi or MSME are exempted from payment of earnest money. In case the tenderer falls in these categories, it should furnish certified copy of its valid registration details (with DGS&D or NSIC or MSME as the case may be).

Tender Number	BNPM/TEN/SPP/139/2018-19 Dtd: 23.05.2018
Type of Tender (Two Bid/PQB/EOI Etc.)	Two Bid
Details of sale of tender documents	E-tender
Price of the tender documents	Rs. 1,000/- + Taxes
Bid Submission Mode	Through e-tendering portal: www.tenderwizard.com/BNP
Closing date and time for submission of bids along with supporting documents through e-tendering portal.	11.06.2018 till 1400 Hrs.
Bid opening date and time (Only Techno Commercial bid)	11.06.2018 @ 1430 Hrs.



NIT	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SECTION: I
	NOTICE INVITING TENDER	SHEET 2 OF 3

Pre-bid meeting	01.06.2018 @ 1100 Hrs. Bank Note Paper Mill India Pvt. Ltd. Administrative Building, Entry Gate 1, Paper Mill Compound Note Mudran Nagar, Mysore - 570003.
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3. Interested tenderers may obtain further information about this requirement from the above office selling the documents. They may also visit our website www.tenderwizard.com/BNP mentioned above for further details.
4. Non-refundable Tender fee is Rs. 1,000/- per set plus applicable taxes. The payment shall be made through Electronic mode only.
5. Aspiring Bidders/Contractors who are not registered on e-tendering portal should register through the website E - Tendering (www.tenderwizard.com/BNP) for participating in the Online Tenders. The registration charges will be Rs. 1,500/- plus applicable taxes (per year) which needs to be paid through electronic mode only.
6. For details, registration and e-payment, please visit e-tendering website www.tenderwizard.com/BNP or contact E-tendering help desk on Tel: 080-49352000 or Mr. Nagesh on Mb: 96861 15324 or Email id: nageshkumarc2012@gmail.com
7. The NIT form with standard tender documents will be accessible in the e-Tendering website (viz www.tenderwizard.com/BNP).
8. Class III Digital Signature Certificate (DSC) is mandatory to participate in e-Tenders. Participating bidders/contractors have to make sure that they have valid DSC. If not, they can procure from any of the RAs approved by CCA.
9. Bidders/Contractors should upload and attach all the scanned copies of technical documents / certificates in e-tendering website www.tenderwizard.com/BNP pertaining to their eligibility criteria mentioned in the NIT, failing which, the bid will not be considered.
10. For those tenderers whose technical bids do not satisfy the eligibility criteria, their financial bids will not be opened.
11. The tender shall contain two bid systems each of whose contents shall be as follows

Prequalification Bid & Techno-commercial Bid should consist of clearly visible scanned copy of:

- i) Bid forwarding letter.
- ii) Power of Attorney in favour of the person who has signed the bid on stamp paper (Rs.100/- non judicial stamp paper)
- iii) Documents to establish conformity with Bidder's Qualification / Eligibility criteria.
- iv) ESIC, PAN details, GST registration certificate, Schedule bar chart
- v) Earnest Money Deposit (To be paid through electronic mode only)



NIT	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SECTION: I
	NOTICE INVITING TENDER	SHEET 3 OF 3

- vi) Deviations from GCC, SCC, SIT, GIT
- vii) Schedule of deviations to technical specifications separately
- viii) Technical details / documents specified in technical part
- ix) Blank copy (without price) of *Schedule of Price* duly signed & stamped on each page

The bidder should submit the “Prequalification Bid & Techno-Commercial bid” in E-tendering portal only.

Financial Bid shall contain.

- i) Schedule of Prices duly filled in.

The bidder should submit the “Financial Bid” in e-tendering portal only.

12. Tenderers shall ensure that their tenders, duly signed with company seal, complete in all respects as per instructions contained in the tender documents, should be uploaded in e-tendering portal (www.tenderwizard.com/BNP) only.

13. In the event of any of the above mentioned dates being declared as a holiday / closed day for the purchase organisation, the tenders will be sold / received / opened on the next working day at the appointed time.

14. The tender documents are not transferable.

Yours Faithfully,

(Alok Kumar)
Deputy General Manger



GIT

BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

SECTION: II

GENERAL INSTRUCTIONS TO TENDERERS

SHEET 1 OF 1

Section II: General Instructions to Tenderers (GIT)

This section-II shall be downloaded from website: https://www.bnpmindia.com/View_Downloads.aspx and to be signed & stamped and submitted along with the Techno-Commercial Bid . Part II as acceptance of terms and conditions.

(Offer without the copies of section-II shall be liable for rejection).



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The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/ substitute/ supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

Sl. No.	GIT Clause No.	Topic	SIT Provision
1	1, 2, 3, 4, 5, 6 & 7	PREAMBLE- Introduction, Language of Tender, Eligible Tenderers, Eligible Goods and Services (Origin of Goods), Tendering Expense, TENDER DOCUMENTS . Content of tender documents, Amendments to tender documents	No Change
2	8	Pre-bid Conference	No Change
3	9	Time Limit for receiving request for clarification of tender documents	No Change
4	10, 11, 12, 13, 14 & 15	PREPARATION OF TENDERS - Documents comprising the tender, Tender currencies, Tender prices, Indian Agent, PVC Clause & Formula, Alternative tenders	No Change except the taxes will be applicable as per GST rules (Clause 12.7 to Clause 12.13)
5	16	Documents establishing tenderer's eligibility and qualifications	No Change
6	17	Documents establishing good's conformity to tender document	No Change
7	18	Earnest Money Deposit (EMD) Note: Bidders claiming exemption of EMD should submit DGS&D (or) NSIC registration certificate without fail along with their techno-commercial offer. EMD is exempted for DGS&D (or) NSIC registered firm. Cost as applicable for purchase of tender documents to be submitted	a) Apart from DGS&D / NSIC registered firms. MSEs are also exempted from submission of EMD for which they have to submit UAM copy. b) EMD has to be submitted through Electronic Transfer only (Clause 18.4)
8	19	Tender Validity (120 days in case of two-bid system after the date of tender opening prescribed in the tender document)	No Change
9	20	Signing and sealing of tender Note: The following SIT provision is made with respect the following clause 20.4. Number of copies of tenders to be submitted : Nil 20.9: E-procurement: Only E-Procurement	Only E-Procurement

		permitted.	
10	21, 22 & 23	Submission of tenders, Late tender, Alteration and withdrawal of tender	No Change
11	24	Opening of tenders Note: Please read the guidelines for filling up two bid tender as mentioned in NIT above which is described in detail w.r.t clause 24.4	No Change
12	25	Basic Principle	No Change
13	26, 27, 28, 29, 30, 31, 32, 33 & 34	Preliminary scrutiny of tenders, Minor Infirmary / Irregularity / Non-Conformity, Discrepancy in prices, Discrepancy between original and copies of tender, Clarification of Bids, Qualification / Eligibility Criteria, Conversion of tender currencies to Indian Rupees, Schedule-wise evaluation, Comparison on CIF destination basis.	Evaluation will be done by taking into account all the schedule lines i.e L-1 bidder will be decided based on total price and not on individual schedule price. (Clause 33) No change for other clauses.
14	35 to 49	Additional factors and parameters for evaluation and ranking of responsive tenders, Tenderer's capability to perform the contract, Cartel Formation / Pool rates, Negotiations, Contacting BNPMIPL, AWARD OF CONTRACT: Award Criteria, Variation of quantities at the time of award, Parallel contracts, Serious misdemeanors, Notification of award, Issue of contract, Non-receipt of performance security and contract by BNPMIPL, Return of EMD, Publication of tender result.	No Change
15	50 to 55	Rate Contract Tenders, PQB Tenders, Tenders involving Purchaser's and Pre-Production Samples, EOI Tenders, Tenders for Disposal of Scrap, Development / Indigenization Tenders	Not applicable to this tender

Section IV: General Conditions of Contract (GCC)

This section-IV shall be downloaded from website: https://www.bnpmindia.com/View_Downloads.aspx and to be signed & stamped and submitted along with the Techno-Commercial Bid . Part IV as acceptance of terms and conditions.

(Offer without the copies of section-IV shall be liable for rejection).



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The following Special Conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below. These Special Conditions will modify / substitute / supplement the corresponding (GCC) clauses.

Whenever there is any conflict between the provision in the GGC and that in the SCC, the provision contained in the SCC shall prevail.

SI. No.	GCC Clause No.	Topic	SCC Provision
1	1 to 5	Definitions, Interpretation and Abbreviations, Application, Use of contract documents and information, Patent Rights, Country of Origin	No Change
2	6	Performance Security	To be provided for a period of 24 months from the date of commissioning.
3	7 to 15	Technical specifications and standards, Packing and Marking, Inspection and Quality Control, Terms of delivery, Transportation of goods, Insurance, Spare parts, Distribution of dispatch documents for clearance/ Receipt of goods	No Change
4	16	Warranty	24 months from the date of commissioning of system.
5	17 & 18	Assignment, Sub Contracts	No Change
6	19	Modification of contract	No Change
7	20 & 21	Prices, Taxes and Duties	GST as applicable shall be quoted. Also, refer to point 13.
8	22	Terms and Mode of Payment	a) 90% within 30 days from the date of receipt and acceptance of material by the consignee at destination and on production of all required documents by the supplier. b) 10% after successful Installation & Commissioning and based on user certification for having successfully completed the commissioning work and submission of PBG valid for a period of 24 months from the date of commissioning.



9	23 to 32	Delay in the supplier's performance, Liquidated damages, Custody and return of BNPM's materials/ equipment/ documents loaned to contractor, Termination for default, Termination for insolvency, Force Majeure, Termination for convenience, Governing language, Notices, Code of Ethics	No Change
10	33	Resolution of disputes	Arbitration proceedings will be held at Mysuru (Venue)
11	34-35	Applicable Law, Secrecy	No Change
12	36	Disposal / Sale of Scrap by Tender	Not applicable for this tender

13. Clause related to payment of CGST, SGST, UTGST & IGST:

The suppliers are required to adhere the following procedure in order to honour the payment against CGST, SGST, IGST & UTGST in the invoice:

- i. An invoice issued by the supplier of goods or services or both should be in accordance with the provisions of section 31 of the CGST Act and should contain all the prescribed informations in accordance with Chapter VI of CGST Rules 2017;
- ii. A debit note issued if any, by a supplier should be in accordance with the provisions of section 34 of the CGST Act;
- iii. The supplier should mandatorily upload the aforementioned documents in GSTR-1, details of outward supplies of goods or services within the prescribed time under GST Act;
- iv. The supplier should provide the relevant documents to confirm the tax charged on the invoice has been paid to the credit of government after adjusting with ITC if any.

Notwithstanding above, the supplier should provide indemnification as follows:

On the event of non-compliances with respect to GST Act and Rules by the supplier, the purchaser is allowed to adjust the GST amount from retention amount (either in BG or in Cash) held by the company. If no amount is available for recovery, the supplier will refund the GST liability within 10 days from the date of GST reversal in GSTRN+

The above requirements are mandatory to claim any GST liability, failing which, the GST liability will not be paid/reimbursed/accepted.

14. Compliance to workmen related statutory requirements: The bidder should ensure that workmen employed by them for carrying out Installation & commissioning activity at the site should be covered under ESI, PF & Workmen compensation as per the prevailing norms & rules. (Documentary evidence to be submitted by the successful bidder before commencement of work at the site). The bidder will comply at its own cost with all statutory provisions as laid down under various labour laws in India as applicable from time to time. In case of violation of such statutory provisions under the labour law by the successful bidder, there will not be any liability on BNPM and the contract will be liable for termination.



15. Safety equipments: The bidder should ensure that workmen employed for carrying out Installation & commissioning activity at the site is equipped with all the necessary safety gears and equipments required for carrying out the work safely. (List of safety equipments provided to the workmen to be submitted by the successful bidder before commencement of work at the site).

16. Site Inspection: Bidders may like to visit the site at their own cost and they may obtain all necessary information as to risks, contingencies and other circumstances which may influence or alter their tender before submitting their offer. The bidders shall be deemed to have full knowledge of the work involved, whether they inspect it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed.

17. Risk Purchase Clause: If the supplier fails to abide by the terms and conditions of this agreement, or fails to supply the material / service as per the delivery schedule or any time repudiates the contract, the purchaser will have the right to

a) Appropriate the Security Deposit (by invoking the Performance bank guarantee) deposited by the supplier as per clause 6.0 of GCC and procure the tender item / render service from other agencies at the risk and cost of the supplier.

b) The cost difference between the alternative arrangement and existing contract value wherein default has been made will be recovered from the supplier along with the other incidental charges.

In case of procurement through alternative sources, if procurement price is lower than the existing contract value wherein default has been made, in such case no benefit on this account will be passed on to the supplier.



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1. Scope of Work:

a) Engineering, Supply of balance of system, Installation, Testing & Commissioning of 10KWp off-grid (with battery) stand alone Solar Photovoltaic Power Plant at Jawahar Navodaya Vidyalaya, D.M.G Halli, Mysuru.

b) Participating bidders should provide the necessary single line diagrams (SLD) and general arrangement (GA) drawings of the solar power plant.

a) Brief System Description: The Solar Photovoltaic modules convert radiation from the sun into electrical energy in the form of direct current (DC). The solar Charge Controller (SCC) part of PCU then maximizes the use of this electrical energy to charge the battery bank and at the same time it prevents over charging of the battery bank.

The power generated from the PV modules will be supplied to the load through solar inverter unit (part of PCU), which converts power to pure 415V AC sine power. The inverter unit will power the dedicated loads either from the solar array or battery bank in that order of preference. The single phase inverter is designed for catering the power needs of the load.

Each stand alone solar photovoltaic grid interactive system for each floriculture projects all the remote manifold area:

- Solar PV modules: 10KWp
- Total no. of modules: 42 Nos.
- Modules connected in Series:7
- No. of parallel strings: 7
- No. of array Junction box: 1
- Distribution Box: 1
- Battery Bank: 2V, 300Ah X 1 Set
- Power Conditioning Unit: 240V, 10KW, Three phase
- Other BOS items: As required

The MPPT charger shall power the DC bus from the PV array. The Microprocessor control circuit shall automatically adjust the DC-DC converter to ensure that it should always match to the PV array under varying conditions and transfers the maximum possible power. The battery bank shall get charged from this DC bus, the charging rate and other parameters being controlled by the supervisory circuit.

A bidirectional inverter shall sit between the DC and the AC bus. The DC power shall be converted to AC and exported to the grid. The inverter output shall match the grid in voltage, frequency and phase. The PCU shall have the provision for connecting to a dedicated load. If the grid is absent or goes out of range the inverter shall not interrupt supply. If PV power is available it shall be directed to the load and the excess power

shall be used for charging the batteries. So the power from the solar is not wasted. The inverter shall be programmed for solar priority mode of operation.

This means that maximum use be made of the solar energy. Grid power shall be used only when the batteries are over discharged or sufficient solar energy is not available from the PV array. Disengage from the grid and shall keep supplying the power to the dedicated load, ensuring uninterrupted supply. If PV power is available this is now directed to the load and the excess power is used for charging the batteries. So the power from the solar is not wasted.

The Inverter is programmed for solar priority mode of operation. This means that the maximum use is made of the solar energy. Grid power is used only when the batteries are over discharged or sufficient solar energy is not available from the PV array.

The system comprises of the following components:

- Solar module 240Wp
- Module Mounting Structures
- Junction Boxes
- Power Conditioning Unit
- Battery
- Cables

b) Description of site location of the proposed plant:

1	Project Site	Jawahar Navodaya Vidyalaya
2	Location	D.M.G Halli, Gaddige Road, Mysore
3	District name	Mysore
4	State	Karnataka
5	Type of system	10 KWp Off. Grid System
6	Type of PV modules considered	Crystalline Poly
7	Proposed capacity	10 KWp
8	Projected module area considered	1000 Sq. feet
9	Capacity of each module proposed	240Wp
10	Inverter capacity	10 KW

b) Bill of material:

Sl.No	Description of Items and Work	UOM	Quantity
1	Solar Photo Voltaic module 240Wp	Nos.	42

LOR**BANK NOTE PAPER MILL PRIVATE LIMITED**

SECTION: VI

LIST OF REQUIREMENTS- SCOPE OF WORK

SHEET 3 OF 3

2	Module Mounting Structure	Set	1
3	1C X 4Sq.mm PVC Cu. Cable	Set	1
4	2C X 10Sq.mm PVC Cu. Cable	Set	1
5	1C X 35Sq.mm PVC Cu. Cable	Set	1
6	10KW Power Conditioning unit	No.	1
7	DC DB	No.	1
8	AC DB + Energy Meter	No.	1
9	2V, 300Ah Battery	Nos.	60
10	Earthing Systems	No.	1
11	Installation Accessories	No.	1

The bidder has to supply the material at site i.e. Jawahar Navodaya Vidyalaya, D.M.G Halli, Mysuru and ensuring safe custody of the material shall be bidder's responsibility at the site. BNPM will not be liable for any damages / loss to the material supplied at the site.



i) PV Modules:

Sl.no.	Parameters	Specifications
1	PV module rating	240Wp
2	Manufacturer Name & Country	MNRE approved companies
3	PV module type	Poly crystalline
4	No. of PV cells per module	60
5	Mounting arrangement for solar module	On Module mounting structure
6	Solar module frame material	Anodized Aluminium
7	Module Dimensions	1660X990X50mm, tolerance upto +/- 2% in the dimensions
8	Module efficiency (%)	14.5% +/-2%
9	Max. power voltage (Vmp)	29.53V . 30.96V
10	Peak Power current (Imp)	7.77A . 8.03A
11	Open circuit voltage (Voc)	36.48V . 37.30V
12	Short circuit current (Isc)	8.20A . 8.52A
13	Weight of each module	21 Kg +/- 10%
14	Certificates / Standards	IEC 61215 Ed2 / IEC 61730
15	Operating Temperature	- 40°C to 85°C
16	The solar cell should have surface anti-reflective coating to help to absorb more light in all weather conditions.	
17	PV module shall be highly reliable, light weight and should have a service life of more than 25 years. PV modules should have a limited power loss of not more than 10% of nominal output at the end of 10 years and of not more than 20% of nominal output at the end of 25 years.	
18	The PV modules shall have suitable encapsulation and sealing arrangements to protect the silicon cells from the environment. The encapsulation arrangement shall ensure complete moisture proofing for the entire life of solar modules. The terminal block shall preferably be of Noryl rubber and shall have a provision for opening/replacing the cables if required	

ii) Module Mounting Structure:

Sl.no.	Parameters	Specifications
1	Type	Fixed Roof Mounted type

2	Make	MNRE Approved Manufacturers
3	Location	Roof/ Ground mounting
4	Material	MS hot dip galvanized
5	Overall dimension	As per design
6	Coating	Hot dip (galvanized) minimum of 70 microns
7	Fasteners	SS 304
8	The module mounting structure should be designed for holding suitable number of modules in Series.	
9	All the assemblies of the module mounting structure are to be manufactured using standard Mild steel section of angle, channel, tubes and any other sections conforming to IS: 2062.	
10	The module mounting structure should be designed in such a way that it occupies minimum space without sacrificing the output from solar modules at the same time it should withstand severe wind speed up to maximum 150 Kmph (Horizontal wind speed).	

iii) Power Conditioning Unit:

Sl.no.	Parameters	Specifications
1	Inverter Type / Model	Frequency PWM IGBT Based / Liebert ESU 030 . Bidirectional, True Sine Wave, 10KW, 3 Phase / Equivalent approved by BNPM
	INPUT	
2	Array input	100-220 V DC
3	Max. open circuit voltage	220 V DC
4	MPPT voltage range	110 to 198 V DC
	CHARGER CONTROLLER	
5	Type	MPPT
	BATTERY	
6	Voltage	120 V DC
7	Max. grid charging current	74 A
8	Type	SMF/Lead Acid Wet Cell
	OUTPUT	
9	Power capacity	10 KW

10	Voltage / Frequency	415Vac, Three Phase, 50Hz (+/-3Hz) . Stand alone mode
11	Load power factor	0.6 Lag to Unity
12	Regulation	+/-2%
13	Voltage distortion	<2% at linear load & <5% at Non linear load
	Current distortion	<10% during battery charging through grid
	PF	During import & export, power factor shall be >0.97
14	Crest Factor	3:1
15	Grid tracking voltage / frequency	415V, Three phase (+/-10%), 50Hz (+/-3 Hz)
16	Overload	125% for 10 minutes and 150% for 1 minute
17	Peak efficiency	91% or above
18	Operating Modes	1. Standalone, 2. Grid Interactive, 3.Offline
ENVIRONMENTAL		
19	Operating Temperature	0-40°C
20	Storage temperature	-10°C to +55°C
21	Relative Humidity	Upto 95% RH non condensing
22	Accoustics Noise	<62 dB at 1 metre
23	Altitude	<1000 metre above sea level
MECHANICAL		
24	IP	IP 20 IP 21 for Transformers IP 31 for PCBs and Electronics portion. Better IP protection if any can be provided
25	Cooling	Forced Cool
26	Dimension WDXH (mm)	400X800X1000 / Can vary for any other approved make
27	Weight in Kg. (approx.)	250
28	LCD DISPLAY	Inbuilt
29	MONITORING (Optional)	RS 232 (PCUMON) / MODBUS
30	STANDARD	IEC 62040-3

31	PCU should provide protection nagainst output overload, short circuit, output under voltage, DC under and over voltage, protection against surge voltage induced at output due to external source, Anti-islanding and over temperature.
32	Visible indications & audible alarms to be given by PCU for all faults.

iv) Battery Bank:

Sl.no.	Parameters	Specifications
1	Battery Type	Tubular low maintenance lead acid battery
2	Make	MNRE Approved
3	Battery Capacity@C10	300 Ah
4	Battery Voltage	2 V
5	Applicable Standard	IS 1651:1991
6	Capacity rated at	2 hour discharge rate upto 1.85 ECV at 27°C
7	Ah efficiency	>95%
8	Wh efficiency	>85%
9	Self discharge	<2% per month at 27°C
10	Electrolyte specific gravity of the filling at 27°C	1.22+/- 0.005
11	Electrolyte specific gravity at end of charge at 27°C	1.24+/-0.005
12	Material of battery container	PPSFM
13	Type of Positive plate	Tubular
14	Type of Negative plate	Flat pasted
15	Terminals	Lead Alloys
16	Electrolyte	Sulphuric acid (H ₂ SO ₄) confirming to IS 266
17	Each battery should be fitted with explosion proof safety vent plugs and acid level indicator	
18	The batteries should have topping up frequency of not less than 06 months.	
19	The cycle life of the battery should be 1200 charge-discharge cycles between fully charged state and the permitted maximum DOD at a rate of C-10.	
20	Suitable battery rack with interconnections & end conector will be provided to suitable house the batteries in the bank.	

21	Battery interconnecting links to be provided for interconnecting in series and in parallel as may be required.
22	Connectors for inter cell connection (series / parallel) should be maintenance free screws.
23	Insulated terminal covers should be provided.

v) Junction Boxes:

Sl.no.	Parameters	Specifications
1		The junction box shall be dust, vermin and waterproof and made up of polycarbonate-Glass fiber substance (PC-GFS) thermoplastic. The enclosure should be double insulated with protection class II as per IEC 61439-1. Material and class should be marked on the enclosure.
2		The enclosure should have a transparent front lid for enabling easy visibility.
3		Minimum requirement for fire protection in the event of internal faults. Glow wire test in accordance with IEC60 695-2-11 at 960°C for box and 850°C for conducting components.
4		Burning Behaviour: Base part of polycarbonate enclosure should be UL94-V-0 compliant and lid part of PC enclosure shall be UL94-V-2 compliant.
5		The material used shall be halogen, silica free conforming to RoHS directive 2002/95/EC.
6		The enclosure should have IK 08 degree of protection for mechanical load.
7		The enclosure should have a rated insulated voltage of 1000V DC and dielectric strength of 4.65KV DC
8		The enclosure should have a usage temperature rating of -10°C to 55°C
9		Individual module strings to be bundled and to be safely routed to Inverter.
10		It should have suitable cable entry points fitted with cable glands of appropriate sizes for both incoming and outgoing cables.
11		Once disconnected it allows string voltages to be measured separately.
12		Junction boxes monitor the output of solar PV strings connected to them and in case of any faults should alert operator for correction or troubleshooting.
13		It should be suitable for outdoor installation, weather proof and complying with IP 65/66 protection in accordance with IEC 60529.
14		The enclosure should be chemically resistant to acid, lye, petrol, mineral oil & partially resistant to benzene.
15		The material of the enclosure should be UV stabilized.

16	The installation should be durable and safe.
17	The module junction boxes should be as per IEC 61215

vi) Copper Cables:

Sl.no.	Parameters	Specifications
1	Type	PVC insulated and sheathed
2	Make	Polycab/Varsha/Havells/Finolex/Universal/Equivalent
3	Material	Copper
4	Working voltage	Upto 1100V
5	Test voltage	650V/1.1KV
6	Colour	To suit Red, Black, Blue
7	Temperature	-15°C to +70°C
8		Sizes of cables between array interconnections, array to junction boxes, junction boxes to Inverter etc. should be so selected to keep the voltage drop (power loss) of the entire power plant to a minimum.
9		The cables should be made up of bright annealed 99.97% pure bare copper conductors which offers low conductor resistance ideal for use in solar power plant which results in lower heating and increased life of the cable and reduces power losses in the system.
10		The cable should be insulated with a special grade PVC compound formulated for outdoor use.
11		The cables should be flexible and suitable for outdoor use and 1000V DC application.

vii) Distribution Boards:

Sl.no.	Parameters	Specifications
1		Distribution board arrangement, as appropriate for the system rating, should be provided and keeping in view the below general guidelines
2		DC Distribution Board (DCDB)/ combiner should be provided in between solar array and PCU. It should have DC disconnecter/MCCB of suitable rating for connection and disconnection of array section. It should have meters, preferably of digital type for measuring the array voltage and array current.
3		AC distribution board (ACDB) should be provided in between PCU and loads. It should have an integrated energy meter, voltmeter, ammeter which is preferably of digital type.
4		ACDB should have class I+II (as per IEC 62305, IEC 616543 and IEC 60364-

5-53), 100kA surge suppression inbuilt for surge protection. Surge protection on AC side (Type1 + Type 2), consisting of base part and plug in protection modules, should be provided for fire safe and fire proof operation at site.

vii) Earthing:

Sl.no.	Parameters	Specifications
1		The array structure of the PV yard to be grounded properly using adequate number of earthing kits.
2		All metal casing / shielding of the plant shall be thoroughly grounded to ensure safety of the power plant.

viii) Lightning:

Sl.no.	Parameters	Specifications
1		The SPV power plant should be provided with lightning & over voltage protection and the objective should be to reduce the the over voltage to a tolerable value before it reaches the PV or other sub system components.
2		Metal Oxide Varistors (MOV) should be provided inside the array junction boxes and suitable MOV ϕ should also be provided in the Inverter to protect from over voltage.

ix) Single line diagrams (SLD) & General arrangement drawings (GA) wherever applicable should be provided to BNPM before commencement of installation work at the site.

Quality control requirements must be in accordance with Technical Specification mentioned in this tender document. Bidders to submit below mentioned compliance statement

i) PV Modules:

Sl.no.	Parameters	Specifications	Bidders Compliance (Yes/No/Deviation)
1	PV module rating	240Wp	
2	Manufacturer Name & Country	MNRE approved companies	
3	PV module type	Poly crystalline	
4	No. of PV cells per module	60	
5	Mounting arrangement for solar module	On Module mounting structure	
6	Solar module frame material	Anodized Aluminium	
7	Module Dimensions	1660X990X50mm, tolerance upto +/- 2%	
8	Module efficiency (%)	14.5% +/-2%	
9	Max. power voltage (Vmp)	29.53V . 30.96V	
10	Peak Power current (Imp)	7.77A . 8.03A	
11	Open circuit voltage (Voc)	36.48V . 37.30V	
12	Short circuit current (Isc)	8.20A . 8.52A	
13	Weight of each module	21 Kg +/- 10%	
14	Certificates / Standards	IEC 61215 Ed2 / IEC 61730	
15	Operating Temperature	- 40°C to 85°C	
16	The solar cell should have surface anti-reflective coating to help to absorb more light in all weather conditions.		
17	PV module shall be highly reliable, light weight and should have a service life of more than 25 years. PV modules should have a limited power loss of not more than 10% of nominal output at the end of 10 years and of not more than 20% of nominal output at the end of 25 years.		

18	The PV modules shall have suitable encapsulation and sealing arrangements to protect the silicon cells from the environment. The encapsulation arrangement shall ensure complete moisture proofing for the entire life of solar modules. The terminal block shall preferably be of Noryl rubber and shall have a provision for opening/replacing the cables if required	
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ii) Module Mounting Structure:

Sl.no.	Parameters	Specifications	Bidders Compliance (Yes/No/Deviation)
1	Type	Fixed Roof Mounted type	
2	Make	MNRE Approved Manufacturers	
3	Location	Roof/ Ground mounting	
4	Material	MS hot dip galvanized	
5	Overall dimension	As per design	
6	Coating	Hot dip (galvanized) minimum of 70 microns	
7	Fasteners	SS 304	
8	The module mounting structure should be designed for holding suitable number of modules in Series.		
9	All the assemblies of the module mounting structure are to be manufactured using standard Mild steel section of angle, channel, tubes and any other sections conforming to IS: 2062.		
10	The module mounting structure should be designed in such a way that it occupies minimum space without sacrificing the output from solar modules at the same time it should withstand severe wind speed up to maximum 150 Kmph (Horizontal wind speed).		

iii) Power Conditioning Unit:

Sl.no.	Parameters	Specifications	Bidders Compliance (Yes/No/Deviation)
1	Inverter Model	Frequency PWM IGBT	

		Based / Liebert ESU 030 . Bidirectional, True Sine Wave, 10KW, 3 Phase / Equivalent approved by BNPM	
	INPUT		
2	Array input	100-220 V DC	
3	Max. open circuit voltage	220 V DC	
4	MPPT voltage range	110 to 198 V DC	
	CHARGER CONTROLLER		
5	Type	MPPT	
	BATTERY		
6	Voltage	120 V DC	
7	Max. grid charging current	74 A	
8	Type	SMF/Lead Acid Wet Cell	
	OUTPUT		
9	Power capacity	10 KW	
10	Voltage / Frequency	415Vac, Three Phase, 50Hz (+/-3Hz) . Stand alone mode	
11	Load power factor	0.6 Lag to Unity	
12	Regulation	+/-2%	
13	Voltage distortion	<2% at linear load & <5% at Non linear load	
	Current distortion	<10% during battery charging through grid	
	PF	During import & export, power factor shall be >0.97	
14	Crest Factor	3:1	
15	Grid tracking voltage / frequency	415V, Three phase (+/- 10%), 50Hz (+/-3 Hz)	

16	Overload	125% for 10 minutes and 150% for 1 minute	
17	Peak efficiency	91% or above	
18	Operating Modes	1. Standalone, 2. Grid Interactive, 3.Offline	
	ENVIRONMENTAL		
19	Operating Temperature	0-40°C	
20	Storage temperature	-10°C to +55°C	
21	Relative Humidity	Upto 95% RH non condensing	
22	Accoustics Noise	<62 dB at 1 metre	
23	Altitude	<1000 metre above sea level	
	MECHANICAL		
24	IP	IP 20 IP 21 for Transformers IP 31 for PCBs and Electronics portion. Better IP protection if any can be provided	
25	Cooling	Forced Cool	
26	Dimension WDXH (mm)	400X800X1000 / Can vary for any other approved make	
27	Weight in Kg. (approx.)	250	
28	LCD DISPLAY	Inbuilt	
29	MONITORING (Optional)	RS 232 (PCUMON) / MODBUS	
30	STANDARD	IEC 62040-3	
31	PCU should provide protection nagaint output overload, short circuit, output under voltage, DC under and over voltage, protection against surge voltage induced at output due to external source, Anti-islanding and over temperature.		
32	Visible indications & audible alarms to be given by PCU		

	for all faults.	
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iv) Battery Bank:

Sl.no.	Parameters	Specifications	Bidders Compliance (Yes/No/Deviation)
1	Battery Type	Tubular low maintenance lead acid battery	
2	Make	MNRE Approved	
3	Battery Capacity@C10	300 Ah	
4	Battery Voltage	2 V	
5	Applicable Standard	IS 1651:1991	
6	Capacity rated at	2 hour discharge rate upto 1.85 ECV at 27°C	
7	Ah efficiency	>95%	
8	Wh efficiency	>85%	
9	Self discharge	<2% per month at 27°C	
10	Electrolyte specific gravity of the filling at 27°C	1.22+/- 0.005	
11	Electrolyte specific gravity at end of charge at 27°C	1.24+/-0.005	
12	Material of battery container	PPSFM	
13	Type of Positive plate	Tubular	
14	Type of Negative plate	Flat pasted	
15	Terminals	Lead Alloys	
16	Electrolyte	Sulphuric acid (H ₂ SO ₄) confirming to IS 266	
17	Each battery should be fitted with explosion proof safety vent plugs and acid level indicator.		
18	The batteries should have topping up frequency of not less than 06 months.		
19	The cycle life of the battery should be 1200 charge-discharge cycles between fully charged state and the		

	permitted maximum DOD at a rate of C-10.	
20	Suitable battery rack with interconnections & end connector will be provided to suitably house the batteries in the bank.	
21	Battery interconnecting links to be provided for interconnecting in series and in parallel as may be required.	
22	Connectors for inter cell connection (series / parallel) shall be maintenance free screws.	
23	Insulated terminal covers shall be provided.	

v) Junction Boxes:

Sl.no.	Parameters	Specifications	Bidders Compliance (Yes/No/Deviation)
1	The junction box shall be dust, vermin and waterproof and made up of polycarbonate-Glass fiber substance (PC-GFS) thermoplastic. The enclosure should be double insulated with protection class II as per IEC 61439-1. Material and class should be marked on the enclosure.		
2	The enclosure should have a transparent front lid for enabling easy visibility.		
3	Minimum requirement for fire protection in the event of internal faults. Glow wire test in accordance with IEC60 695-2-11 at 960°C for box and 850°C for conducting components.		
4	Burning Behaviour: Base part of polycarbonate enclosure should be UL94-V-0 compliant and lid part of PC enclosure shall be UL94-V-2 compliant.		
5	The material used shall be halogen, silica free conforming to RoHS directive 2002/95/EC.		
6	The enclosure should have IK 08 degree of protection for mechanical load.		
7	The enclosure should have a rated insulated voltage of 1000V DC and dielectric strength of 4.65KV DC		
8	The enclosure should have a usage temperature rating of -10°C to 55°C		
9	Individual module strings to be bundled and to be		

	safely routed to Inverter.	
10	It should have suitable cable entry points fitted with cable glands of appropriate sizes for both incoming and outgoing cables.	
11	Once disconnected it allows string voltages to be measured separately.	
12	Junction boxes monitor the output of solar PV strings connected to them and in case of any faults should alert operator for correction or troubleshooting.	
13	It should be suitable for outdoor installation, weather proof and complying with IP 65/66 protection in accordance with IEC 60529.	
14	The enclosure should be chemically resistant to acid, lye, petrol, mineral oil & partially resistant to benzene.	
15	The material of the enclosure should be UV stabilized.	
16	The installation should be durable and safe.	
17	The module junction boxes should be as per IEC 61215	

vi) Copper Cables:

Sl.no.	Parameters	Specifications	Bidders Compliance (Yes/No/Deviation)
1	Type	PVC insulated and sheathed	
2	Make	Polycab/Varsha/Havells/Finolex/Universal/Equivalent	
3	Material	Copper	
4	Working voltage	Upto 1100V	
5	Test voltage	650V/1.1KV	
6	Colour	To suit Red, Black, Blue	
7	Temperature	-15°C to +70°C	
8	Sizes of cables between array interconnections, array to junction boxes, junction boxes to Inverter etc. should be so selected to keep the voltage drop (power loss) of the entire power plant to a minimum.		

9	The cables should be made up of bright annealed 99.97% pure bare copper conductors which offers low conductor resistance ideal for use in solar power plant which results in lower heating and increased life of the cable and reduces power losses in the system.	
10	The cable should be insulated with a special grade PVC compound formulated for outdoor use.	
11	The cables should be flexible and suitable for outdoor use and 1000V DC application.	

vii) Distribution Board:

Sl.no.	Parameters	Specifications	Bidders Compliance (Yes/No/Deviation)
1		Distribution board arrangement, as appropriate for the system rating, should be provided and keeping in view the below general guidelines	
2		DC Distribution Board (DCDB)/ combiner should be provided in between solar array and PCU. It should have DC disconnecter/MCCB of suitable rating for connection and disconnection of array section. It should have meters, preferably of digital type for measuring the array voltage and array current.	
3		AC distribution board (ACDB) should be provided in between PCU and loads. It should have an integrated energy meter, voltmeter, ammeter which is preferably of digital type.	
4		ACDB should have class I+II (as per IEC 62305, IEC 616543 and IEC 60364-5-53), 100kA surge suppression inbuilt for surge protection. Surge protection on AC side (Type1 + Type 2), consisting of base part and plug in protection modules, should be provided for fire safe and fire proof operation at site.	

vii) Earthing:

Sl.no.	Parameters	Specifications	Bidders Compliance (Yes/No/Deviation)
1		The array structure of the PV yard to be grounded	

	properly using adequate number of earthing kits.	
2	All metal casing / shielding of the plant shall be thoroughly grounded to ensure safety of the power plant.	

viii) Lightning:

Sl.no.	Parameters	Specifications	Bidders Compliance (Yes/No/Deviation)
1		The SPV power plant should be provided with lightning & over voltage protection and the objective should be to reduce the the over voltage to a tolerable value before it reaches the PV or other sub system components.	
2		Metal Oxide Varistors (MOV) should be provided inside the array junction boxes and suitable MOV ϕ should also be provided in the Inverter to protect from over voltage.	



The pre-qualification criteria for the same are given as under:

Individual/ firm/ company/ corporate other than limited company/ manufacturer/ authorised distributor/representative intending to bid should be bonafide, experienced, technically competent, resourceful and financially sound to carry out the assigned order.

The bidder should be:-

- a) Registered under GST
- b) Having valid permanent Income Tax A/c No. as allotted by the Income Tax Authority of Government of India.
- c) Not blacklisted/ debarred by Bank Note Paper Mill India (P) Limited (BNPMIPL)/ Bharatiya Reserve Bank Note Mudran (P) Limited (BRBNMPL) / Security Printing & Minting Corporation of India Limited (SPMCIL) or any Govt. Departments and
- d) **The detailed qualifying criteria are furnished below:**

Experience & Past Performance	The Bidder should have successfully setup atleast one 10KWp Solar power plant or of above capacity on turn key basis i.e. Engineering, Supply of balance of system, Installation, Testing & commissioning as mentioned in the technical requirement during the last 5 years ending 30.04.2018.
Financial Standing	Average annual turnover of the bidder firm during last three years period ending 31.03.2018 should be more than Rs.4,20,000/-(Rupees Four lakh twenty thousand only)
	Bidder firms should not have suffered any financial loss for more than one year during the last three years period ending 31.03.2018.
	Net worth of the firm should not be in negative and should have not eroded by more than 30% in the last three years period ending 31.03.2018.

Note: In case of non-availability of audited balance sheet for the financial year 2017-18. A provisional balance sheet and Profit / (loss) statement for the financial year 2017-18 duly signed by competent authority shall be submitted.

(Bidder shall qualify all the i.e. technical, financial and other pre-qualification criteria)

Note -1:

All experience, past performance and capacity/ capability related/ data should be certified by the authorised signatory of the bidder firm. The credentials regarding experience and past performance to the extent required as per eligibility criteria submitted by bidder may be verified from the parties for whom work has been done.

Scanned Documents to be uploaded in support of Pre-qualification Criteria

The following documents should be submitted by the firm to prove the pre-qualification criteria.

- a) Company's Profile including details along with copy of following documents:
 - a) Certificate of Incorporation/ Registration

QC**BANK NOTE PAPER MILL INDIA PRIVATE LIMITED**

SECTION: IX

QUALIFICATION/ELIGIBILITY CRITERIA

SHEET 2 OF 2

- b) Constitution of business, in case of business in individual name
 - c) Partnership deed , in case of partnership
 - d) Memorandum of Association and Articles of Association, in case of Limited company
 - e) Memorandum of Association by corporate other than Limited company
- b) In support of technical standing copy of purchase order/work order/agreement and/ or work completion certificate issued by competent authority of the customer duly certified by authorised signatory.
- c) In support of financial standing copies of audited balance sheets and Profit & Loss account should be certified by authorised signatory. In case of unaudited balance sheet, same should be certified by certified accountant\$ e.g. Chartered Accounts (CA) in India and Certified Public Accountant/ Chartered Accountants of other countries.
- d) Declaration that the firm has not been blacklisted/ debarred by BNPMIPL/ BRBNMPL /SPMCIL or any Govt. Departments duly signed by authorised signatory. (Annexure I)
- e) Declaration towards acceptance to terms & conditions of tender (Annexure II)
- f) Compliance Format (Annexure III)
- g) Copies of PAN and GST Certificates etc. to be submitted along with the bid.
- h) Format for the annexures indicated in the preceding paragraphs are available in section XX which the bidder may refer to.
- i) Any other relevant document the firm wishes to submit.

Bidder to furnish stipulated documents in support of qualifying criteria. Non-submission or incomplete submission of documents may lead to rejection of offer.



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BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

SECTION: X

(ACCEPTANCE OF TERMS & CONDITIONS)

SHEET 1 OF 1

To,

Date _____

Bank Note Paper Mill India Private Limited
Administrative Building, Entry Gate 1,
Paper Mill Compound,
Note Mudran Nagar,
Mysore - 570003

Ref: Your Tender document No.....dated.....

We, the undersigned have examined the above mentioned tender enquiry document, including amendment No. _____ dated _____ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver _____ (description of goods and services) in conformity with your above referred document for the sum as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 6, read with modification, if any, in Section V- "Special Conditions of Contract", for due performance of the contract.

We agree to keep our tender valid for acceptance for a period up to _____, as required in the GIT clause 19, read with modification, if any in Section-III -"Special Instructions to Tenderers" or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

(Signature with date)

(Name and designation)

Duly authorized to sign tender for and on behalf of

Bidder shall use this covering letter while submitting the offer



ISSUE
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SP	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SECTION: XI
	SCHEDULE OF PRICE	SHEET 1 OF 1

FORM B-1: Consolidated price is to be quoted in the price bid format given in the e-tender website (www.tenderwizard.com/BNP)

Sl.no.	Description	UOM	Quantity	HSN/SAC	Price for Supply (INR)**	Price for Installation and Commissioning (INR) **
1	Engineering, Supply of balance of system, Installation, Testing & Commissioning of 10KWp off-grid (with battery) stand alone Photovoltaic Power Plant at Jawahar Navodaya Vidyalaya, D.M.G Halli, Mysuru	AU	01			
Total price for Engineering, Supply of balance of system, Installation, Testing & Commissioning of complete system (INR)						
GST Amount (INR)						
Total price for Engineering, Supply of balance of system, Installation, Testing & Commissioning of complete system including GST (INR)						

Note: L-1 bidder will be decided based on total consolidated price and not on individual line item (schedule wise) price. The consolidated price and the total schedule wise price should match. In case of mismatch between consolidated price (FORM B-1) and total schedule wise (FORM B-2) price, consolidated price will prevail and the individual schedule wise price will be adjusted to consolidated price.

2. Rate of GST applicable for supply _____ & for Service _____.
3. Price evaluation shall be carried out without considering GST.



SP

BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

SECTION: XI

SCHEDULE OF PRICE

SHEET 1 OF 1

FORM B-2: Schedule wise price is to be quoted in the price bid format given in the e-tender website (www.tenderwizard.com/BNP)

Sl. no.	Description	UOM	Quantity	HSN/SAC	Price for Supply (INR)**	Price for Installation and Commissioning (INR) **
1	Supply, fitting, fixing of 42 Nos. of 240Wp modules with hot dipped galvanized module mounting structure for holding the modules on structure including design & construction of PCC foundation base for holding the above structures, lightning & over voltage protection, earthing protection as per specification.	Set	1			
2	Supply, Installation, Testing & Commissioning of low maintenance, tubular type lead acid battery bank of 2V, 300Ah X 60 Nos. @ C10 rate as per BIS specification. Battery bank will contain suitable rack & other necessary accessories.	Set	1			
3	Design, manufacture, supply, installation and commissioning of 240V, 10KVA, 3 phase Power Conditioning Unit which comprises of solar charge controller cum Inverter, full sine wave, 120V DC input and 415V, three phase 50Hz AC output with grid tied feature along with all protection, controlling arrangement and required accessories.	Set	1			
4	Design, manufacture and supply of Junction boxes, Distribution boxes, Cables, Lugs and other Hardwares etc.	Set	1			
5	Integration of various equipments & components and commissioning of the power plant including tit-bit items required for Installation and commissioning of 10KW plant on TURN-KEY basis.	LS				
Total price for Engineering, Supply of balance of system, Installation, Testing & Commissioning of complete system (INR)						
GST Amount (INR)						
Total price for Engineering, Supply of balance of system, Installation, Testing & Commissioning of complete system including GST (INR)						

Note: L-1 bidder will be decided based on total consolidated price and not on individual line item (schedule wise) price. The consolidated price and the total schedule wise price should match. In case of mismatch between consolidated price (FORM B-1) and total schedule wise (FORM B-2) price, consolidated price will prevail and the individual schedule wise price will be adjusted to consolidated price.

2. Rate of GST applicable for supply _____ & for Service _____.

3. Price evaluation shall be carried out without considering GST.



QUEST

BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

SECTION: XII

QUESTIONNAIRE

SHEET 1 OF 1

The tenderer should furnish specific answers to all the questions/ issues mentioned below. In case a question/ issue does not apply to a tenderer, the same should be answered with the remark %ot applicable+.

Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.

In case a tenderer furnishes a wrong or evasive answer against any of the under mentioned question// issues, its tender will be liable to be ignored.

- 1. Brief description of goods and services offered:
- 2. Offer is valid for acceptance up to _____
- 3. Your permanent income tax A/c no. as allotted by the Income Tax Authority of Government of India
(Please attach certified copy of your latest/ current Income Tax clearance certificate issued by the above authority)
- 4. Status:
 - a) Are you currently registered with the Directorate General of Supplies & Disposals (DGS&D), New Delhi, and/ or the present BNPMIPL and/ or the Directorate of Industries of the concerned State Government for the goods/services quoted? If so, indicate the date upto which you are registered and whether there is any monetary limit imposed on your registration.
 - b) Are you currently registered under the Indian Companies Act, 1956 or any other similar Act?
(Please attach certified copy (s) of your registration status etc. in case your answer (s) to above queries is in affirmative.
- 5. Please indicate name & full address of your Banker(s)
- 6. Please state whether business dealings with you currently stand suspended/ banned by any Ministry/ Dept of Government of India or by any State Govt.

o o o o o o o o o o o o .
o o o o o o o o o o o o .

(Signature with date)

(Full name, Designation & Address of the person duly authorised to sign on behalf of the tenderer)

For and on behalf of

o o o o o o o o o o o o ..
o o o o o o o o o o o o ..

(Name, address and stamp of the tendering firm)



BG-EMD

BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

SECTION: XIII

BANK GUARANTEE FORM FOR EMD

SHEET 1 OF 1

NOT APPLICABLE TO THIS TENDER DOCUMENT



MAF

BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

SECTION: XIV

MANUFACTURER'S AUTHORIZATION FORM

SHEET 1 OF 1

To

Bank Note Paper Mill India Private Limited
Administrative Building, Entry Gate 1,
Paper Mill Compound, Note Mudran Nagar,
Mysore . 570003

Dear Sirs,

Ref. Your Tender document No. _____ dated _____

We, _____ who are proven and reputable manufacturers of _____ (name and description of the goods offered in the tender) having factories at _____ hereby authorise Messrs _____ (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs _____ (name and address of the above agent) is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above goods manufactured by us.

We also hereby extend our full warranty, as applicable as per clause 16 of the General Conditions of Contract read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this tender document.

Yours faithfully,

[Signature with date, name and designation]

For and on behalf of Messrs

.....

[Name & address of the manufacturers]

Note: This letter of authorisation should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind _____ the _____ manufacturer.



BG-PS

BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

SECTION: XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY

SHEET 1 OF 2

o o o o o o o o .. (Insert: Bank's Name, and Address of Issuing Branch or Office)

Beneficiary:

Bank Note Paper Mill India Private Limited
Administrative Building, Entry Gate 1,
Paper Mill Compound, Note Mudran Nagar,
Mysore - 570003

Date: o o

Performance Guarantee No.:

WHEREAS.....(name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of Work order (WO) no..... dated to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said WO that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the LOI;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

We undertake to pay Bank Note Paper Mill India Private Limited up to the above amount upon receipt of its first written demand, without Bank Note Paper Mill India Private Limited having to substantiate its demand.

This guarantee will remain in force for a period of sixty days after the currency of this contract and any demand in respect thereof should reach the Bank not later than the above date.

o o o o o o o o o o o o o o o o

(Signature of the authorized officer of the Bank)

Name, authorisation/ signature no. and designation of the officer

Seal, name & address of the Bank and address of the Branch

Note: Necessary instructions to be followed by bidders while executing BG.



BG-PS**BANK NOTE PAPER MILL INDIA PRIVATE LIMITED**

SECTION: XV

**BANK GUARANTEE FORM FOR PERFORMANCE
SECURITY**

SHEET 2 OF 2

1. BG should be issued on not less than Rs.200 e-stamp / non judicial stamp paper only.
2. Non judicial stamp paper / e-stamp paper should be purchased in the name of BG issuing bank only.
3. In case of e-stamp paper first party should be BG issuing bank and second party should be BNPM.
4. Date of sale of non-judicial / e-stamp paper shown on the BG and the stamp paper (BG) issued is not more than six months prior to the date of execution of BG.
5. Executing officer of BG should indicate his name, designation and power of attorney number / signing power no. etc on each page of BG.
6. Name and address of the bidding party, name and address of BNPM and value of the contract are to be mentioned clearly.
7. Overwriting / cutting if any in BG should be authenticated under signature and seal of authorised signatory of BG issuing Bank.
8. BG number and BG date should be mentioned in all pages of BG and all pages are endorsed / signed by authorised signatories of issuing bank.
9. Amount mentioned in figures and words are to be matched.
10. Validity of BG should be in line with the contract.
11. BG should be unconditional.



CF

BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

SECTION: XVI

CONTRACT FORM

SHEET 1 OF 1

NOT APPLICABLE TO THIS TENDER DOCUMENT



	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED	SECTION: XVII
LOA	LETTER OF AUTHORITY FOR ATTENDING A BID OPENING	SHEET 1 OF 1

NOT APPLICABLE TO THIS TENDER DOCUMENT



SA

BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

SECTION: XVIII

SHIPPING ARRANGEMENTS FOR LINER CARGOES

SHEET 1 OF 1

NOT APPLICABLE TO THIS TENDER DOCUMENT



PB

BANK NOTE PAPER MILL INDIA PRIVATE LIMITED

SECTION:XIX

PROFORMA OF BILLS FOR PAYMENTS

SHEET 1 OF 1

NOT APPLICABLE TO THIS TENDER DOCUMENT



**Instructions to the Applicants for Furnishing Information
As A Part of Pre-Qualifications Tender Notice**

1. Intending applicants are required to upload their full bio-data giving details about their organization, location of manufacturing units, experience, technical personnel in their organization, spare capacity competence and adequate evidence of their financial standing etc. in the enclosed format which will be kept confidential.
2. While deciding upon the selection of firms, great emphasis will be given on the ability and competence of applicants to do good quality works within the specified time schedule and in close coordination with other agencies, besides the rate structure of the items.
3. The application shall be signed by person / persons on behalf of the organization having necessary authorization / Power of Attorney to do so.
4. If the space in the proforma is insufficient for furnishing full details, such information may be supplemented on separate sheets of paper stating therein the part of the proforma and serial number. Separate sheets shall be used for each part.
5. Applications containing false and /or inadequate information are liable for rejection.



APQ

BANK NOTE INDIA PAPER MILL PRIVATE LIMITED

SECTION: XX

APPLICATION- PRE-QUALIFICATION

SHEET 2 OF 5

To,

Managing Director
Bank Note Paper Mill India Private Limited
Administrative Building, Entry Gate 1,
Paper Mill Compound,
Note Mudran Nagar,
Mysore - 570003

I / We have read and understood the Pre-qualification tender notice and instructions to the applicants and apply herewith for pre-qualification. I / We furnish the information in the prescribed format including supplementary sheets from _____ for your consideration. I/We do declare that the information furnished is correct and true to the best of my/our knowledge and belief.

Yours faithfully,

Signature: _____

Name: _____

Designation: _____

Address: _____

Seal: _____



BASIC INFORMATION

1	Name of the applicant / organization and address of the registered office/business office.	
2	(a) Whether bidder is OEM (b) Address of the manufacturing facility in India (c) Annual Capacity of manufacturing facility	Yes / No
3	Type of the organization (whether Sole Proprietorship / Partnership / Private Limited / Limited or Cooperative Body etc).	
4	Name of the Proprietor / Partners / Directors of the Organization / Firm as the case may be.	(a) (b) (c)
5	Details of Registration . (whether Partnership firm, Company etc) . Name of Registering Authority, Date, Registration No etc.	
6	Whether registered with Government / Semi-Government / Municipal Authorities or any other Public Organization as a vendor and if yes provide details thereof.	
7	Experience in the field (Enclose documentary evidence)	_____ Years
8	Address of office through which the proposed work will be handled and the name and designation of the Officer-in-charge.	
9	Names of Bankers and their full addresses	
10	Whether any civil suit / litigation arisen in the contracts executed during the last five years / being executed now. If yes, please furnish the details in the proforma given below.	

Sl. No	Name of the project and employer	Nature of work	PO No. /Agreement No with date	Present stage of work	Value of contract	Brief details of litigation
1						
2						
3						
4						

11. Details of Similar supply completed during last five years ending 31.03.2018.
Number of supplementary sheets attached.

Sl No	Description of work including the capacity of the equipment	Name & Address of Customer	PO No. /Agreement No with date	Qty of supply	Delivery period
1					
2					
3					
4					
5					

(Enclose the Customer certificate/Documentary evidence duly attested by authorised signatory)

12. Financial Details

Sl No	Financial Year	Average Annual Turn Over (INR)	Profit (INR)	Loss (INR)
1	2017-18			
2	2016-17			
3	2015-16			

(Enclose the certified/Audited copy of Profit and loss Account and Balance sheet as documentary evidence)

13. Has the applicant been blacklisted/ debarred by BNPMIPL/ BRBNMPL /SPMCIL or any Govt. Departments.
Yes / No
(If yes please provide the details.)

14. Declaration on the Firm/company/proprietor, if it is closely related to director of the BNPM. **Yes / No**
(If yes please provide the details.)

Signature of the Applicant-----

Name-----

Designation-----

Date-----

Stamp of the Organization-----



APQ

BANK NOTE INDIA PAPER MILL PRIVATE LIMITED

SECTION: XX

DECLARATION

ANNEXURE- 1
SHEET 1 OF 2

Tender No: BNPM/TEN/SPP/139/2018-19 Dtd: 23.05.2018

(To be submitted on the letterhead)

DECLARATION

We do hereby declare that we have not been blacklisted/ debarred by BNPMIPL/ BRBNMPL /SPMCIL or any Govt. Departments. The information provided above is correct and true to the best of my knowledge and belief. In case, at any time the information furnished is found to be false, you my disqualify/debar me/us as deemed fit.

Signature-----

Name-----

Designation-----

Date-----

Stamp of the Organization-----



APQ

BANK NOTE INDIA PAPER MILL PRIVATE LIMITED

SECTION: XX

DECLARATION

ANNEXURE- 1
SHEET 2 OF 2

Tender No: BNPM/TEN/SPP/139/2018-19 Dtd: 23.05.2018

(To be submitted on the letterhead)

DECLARATION

We do hereby declare that we have read and understood all terms and conditions of tender document including GIT, SIT, GCC, SCC, Technical Specification, Quality Control Criteria and confirm to abide to those conditions without any counter conditions.

Signature-----

Name-----

Designation-----

Date-----

Stamp of the Organization-----



Sl. No.	Description	Requirements of BNPMIPL, Terms & conditions	Whether complied by the firm (Yes/No)	Deviation if any
1.	General specifications	Items should be supplied exactly as per the given specifications mentioned in Section VII of the tender and have enclosed catalogue/brochure of the offered item	Yes/No	
2.	Quantity	As per tender	Yes/No	
3.	Replacement of Rejection materials	In case of rejection of material supplier shall replace the rejected material within 15 days on his cost	Yes/No	
4.	Delivery terms	As per section-VI	Yes/No	
5.	Payment terms	Payment terms as mentioned in the tender	Yes/No	
6.	Liquidated Damage	Liquidated Damage clause as mentioned in tender	Yes/No	
7.	Warranty	The items should be warranted against defects in material, design, workmanship etc. for a minimum period of 24 months from the date of commissioning. During warranty period, the item should be replaced free of cost at the designated location.	Yes/No	
8.	Tender terms & conditions	We have gone through entire tender document thoroughly including GIT (Section II - General Instructions to Tenderer), SIT (Section III . Special Instructions to Tenderer), GCC (Section IV - General Conditions Of Contract), and SCC (Section V . Special conditions of contract) and confirm that we don't have counter conditions. We also understand that offer with counter conditions is liable for rejection	Yes/No	
9.	Customer Certificate / Documentary evidence in support of Technical pre-qualification criteria (Duly certified by authorised signatory)	Purchase Order/ Work Order/ Agreement/ work completion certificate	Submitted/ Not submitted	

10.	Certified Copy of Audited Balance Sheet and Profit & loss accounts	FY 2017-18 FY 2016-17 FY 2015-16	Submitted/ Not submitted	
11.	Declaration	Declaration that firm is not debarred / blacklisted	Submitted/ Not submitted	
12.	Performance security / Security Deposit	As per tender	Yes/ No	
13.	Enviro-friendly Packing of Product	The product / item to be supplied should be packed in an environment- friendly manner	Yes / No	

Signature-----

Name-----

Designation-----

Date-----

Stamp of the Organization-----



ACW

BANK NOTE INDIA PAPER MILL PRIVATE LIMITED

SECTION: XXI

ADDITIONAL CONDITIONS OF WORKS CONTRACT

SHEET 1 OF 1

NOT APPLICABLE TO THIS TENDER DOCUMENT



IP

BANK NOTE INDIA PAPER MILL PRIVATE LIMITED

SECTION: XXII

INTEGRITY PACT

SHEET 1 OF 1

NOT APPLICABLE TO THIS TENDER DOCUMENT

