

Bank Note Paper Mill India Private Limited, Mysore

Invites sealed quotations for Supply and installation of Sun Board at Bank Note Paper Mill India Pvt Ltd., Mysore.

The tender document along with eligibility criteria are hosted on Company's website <http://www.bnpmindia.com> and may also be downloaded from the above referred website.

The cost of tender document is Rs. 1000/-

For any query, you may contact at Tel 0821-2401 189 Fax 0821-2581 154
Email: karthikeyan.m@bnpmindia.com



BANK NOTE PAPER MILL INDIA PRIVATE LIMITED
Administrative office building,
Entry Gate.1, Paper mill compound,
Note Mudran Nagar , Mysuru-570 003

TENDER FOR SUPPLY AND INSTALLATION OF SUN BOARD

Tender No: BNPM/LTE/SUN BOARD/498/2018-19 Dated: 11.09.2018

Last date for submission of tender: 1500 Hours on 03-10-2018
Opening of Technical Bids: 1530 Hours on 03-10-2018



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NOTICE INVITING SEALED QUOTATIONS FOR SUPPLY AND FIXING OF SUN BOARD

Bank Note Paper Mill India Private Limited (BNPM) is a joint venture company between Bharatiya Reserve Bank Note Mudran Private Limited (A wholly owned subsidiary of Reserve Bank of India) and Security Printing and Minting Corporation of India Limited (100% owned by Government of India), incorporated for setting up & manufacturing of bank note papers at Mysore.

1. Two part sealed tenders are invited by BNPM from eligible bidders for Supply and installation of Sun board at Note Mudran Nagar, Mysore - 570003.
2. **Eligibility Criteria:** The prospective bidders should have the following eligibility criteria and should submit the documents as mentioned below.
 - i. Registered under GST.
 - ii. Should have permanent Income Tax A/ C No. as allotted by the Income Tax Authority of Government of India.
 - iii. Bid will be evaluated all-inclusive though input credit will be deducted to arrive at the effective cost.
 - iv. Should not be blacklisted/ debarred by BNPM/ Bharatiya Reserve Bank Note Mudran (P) Limited (BRBNMPL) / Security Printing & Minting Corporation of India Limited (SPMCIL) or any Govt. Departments. Declaration must be given on company letterhead.
 - v. The tenderer must be a Contractor/Firm /manufacturer/dealer/supplier having experience in similar job and enclose copy of Purchase order/work order/ work completion certificate as proof of evidence. Similar nature of means any work related to display board, direction boards, name board etc.
3. **Cost of Tender Form:** The cost of tender document is **Rs.1000/-** and is non-refundable. The cost of tender document shall be paid by Demand draft payable at Mysore in favor of **Bank Note Paper Mill India Private Limited** payable at **Mysore** should be submitted in the envelope containing Earnest Money Deposit (EMD) or Through NEFT. Quotations without tender fee shall be liable for rejection.

Bank Account Details:-

A/c Name: Bank Note Paper Mill India Pvt. Ltd.
Bank Name: HDFC
Branch Name: SME Branch, Saraswathipuram
Account No: 05230350002465;
Account Type: CC
IFSC Code: HDFC0000523

4. **Earnest Money Deposit (EMD):** Interest free EMD of **Rs. 4,000/- (Rupees Four Thousand only)**. It shall be paid by Demand Draft in favor of **Bank Note Paper**



Mill India Private Limited payable at **Mysore**. The EMD of unsuccessful bidders shall be returned on finalization of the tender/order. The EMD of successful bidder shall be returned on completion of work. Quotations without EMD shall be liable for rejection.

5. Exemption from Payment of EMD:-

Submission of tender fee and EMD is exempted for Micro and small enterprises (MSEs) as per the Public Procurement Policy for MSEs Order, 2012. MSEs should be registered and also will continue to remain registered during the tender validity period with District Industries Centre (DIC) or Khadi and Village Industries Commission (KVIC) or Khadi and Industries Board (KVIB) or Coir Board or National Small Industries Commission (NSIC) or Directorate of Handicrafts and Handlooms or Udyog Aadhaar Memorandum or Any other body specified by Ministry of MSME.

6. Quotations should be addressed to The Chief General Manager, Bank Note Paper Mill India Private Limited and should be submitted on or before **1500 hrs. on October 03, 2018** in sealed covers at the office of Bank Note Paper Mill India Private Limited, Administrative office Building, Entry Gate-1, Paper Mill Compound, Note Mudran Nagar, Mysuru - 570 003. Document in person may be handed over to DGM. The bid shall be opened at **1530 Hours on October 03, 2018** at the above mentioned address.

7. Quotation should be submitted in duplicate marked as original and duplicate in a sealed cover, to the offices of the BNPM, super subscribed "**Tender for Supply and Installation of Sun Board at BNPM**". The quotation shall be submitted as follows:-

a) Envelope -1 shall contain the following

- i. Tender cost of Rs. 1,000 in the form of DD/NEFT details if paid online.
- ii. EMD of Rs 4,000/- in the form of DD/NEFT details if paid online.
- iii. Copy of PAN Card.
- iv. Copy of GST Certificate.
- v. (Technical/Commercial) Deviations, if any.
- vi. Documentary proof in support for eligibility criteria.
- vii. Copy of the blank tender document without any reference to price duly signed & company seal affixed on all pages.
- viii. Declaration regarding non-blacklisting/non-barring of firm by as per Annexure-III in your company's letterhead.

b) Envelope -2 shall contain the following

Dully filled Price Bid as per format enclosed with tender document. (Annexure-II).

Both the envelopes shall be put in one envelope and super subscribed



“Tender for Supply and installation of Sun Board at BNPM”.

8. Receipt of Tender:

BNPM is not responsible for any postal delay and quotation shall not be accepted after due date and time. The sealed envelope may also be dropped in the “Tender Box” kept in the corporate office of BNPM, after taking the endorsement at our inward section at reception. Any query/clarification can be had from the following phone number/s:- Shri. Alok Kumar –Deputy General Manager (0821 2401 171). All pages of tender documents, General terms and conditions and other supporting documents shall be duly stamped, signed & submitted by the tenderer, as a token of having read and accepted all the terms & conditions.

9. Quotations not properly filled, mutilated with incorrect calculations or generally not complying with the conditions may be rejected.
10. Tenderers should quote their prices and rates both in figures and in words. No blank spaces shall be left. All erasures and corrections made while filling up the tender document shall be initiated by the tenderer.
11. The quotation shall remain open for acceptance for a period of 60 days from the date of opening of the tender.

12. Evaluation Criteria:

- i. At first stage, techno-commercial bid (Envelope-1) will be opened and evaluated by the competent committee/authority with reference to the parameters prescribed in the tender document. Subsequently, in the second stage the financial bids (Envelope-2) of only technically acceptable offers as decided in first stage shall be opened for further scrutiny and evaluation. Intimation regarding opening of financial bids shall be given to acceptable tenderers to enable them to attend the financial bid opening, if they so desire.
 - ii. The method of evaluation of bidder for awarding the contract shall be on overall L-1 basis inclusive of GST
13. The rates quoted will be treated inclusive of all charges and no further claims whatsoever will be entertained in this respect. The quoted rates should be F.O.R (Free On Road) Mysore site basis. However GST shall be paid extra at actuals.
 14. The acceptance of the tender document will rest with the Owner, who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tender’s received without assigning any reason thereof.

15. Terms of Payment:

- i. 100% amount of the invoiced value shall be released within 30 days after installation/ completion of work at site and on production of all required documents by the supplier.
- ii. Payments to suppliers shall be made through ECS only.



Note: Bank account details shall be submitted along with the invoice

16. **Delivery Period:** The Sun board supply and installation work should be completed within maximum period 4 Weeks from the date of Purchase Order. Time is the essence of this contract.
17. **Delivery Terms:** It is responsibility of the supplier to arrange transportation and supply the material on F.O.R (Free On Road) BNPM, Mysuru basis only.
18. **Delay or Non Delivery:** Time is essence of the contract and completion of delivery dates agreed to are binding on the seller. In the event the seller is not able to supply as per the delivery schedules given by BNPM, Purchaser will have right either to cancel the order without prejudice to any other rights or to make purchase from an alternate source at the risk and cost of the seller.

In case of rejection and failure to replace goods, the order will be treated as incomplete and we may cancel the order and will arrange to purchase the goods from elsewhere at your risk and cost and the Purchase Order / LOI on you will be cancelled and action taken as per the order terms.
19. **Liquidated Damages:** The Employer/Owner shall levy a penalty at the rate of 0.5% of the delivered price of the delayed goods per week or part thereof delay in delivery up to a maximum of 10% of the delayed goods.
20. **Tender Evaluation and award of work:** Bids will be evaluated as per the terms and based on responsiveness taking into account all relevant factors. While the lowest offer will generally be criteria, BNPM reserves the right to reject any offer including the lowest one if the same is not conforming to its norms. The decision of BNPM in this regard will be final.
21. **Settlement of Disputes:** All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after their completion except accepted matters shall be settled through arbitration process as per the Arbitration & Conciliation Act, 1996. The venue of arbitration shall be Mysore, Karnataka.

All the above terms and conditions have been read, understood and accepted by me.

(Authorized Signatory)

Name of the Person
Signing the Document: _____
Designation: _____
Seal with address: _____

Address of local office: _____



SCOPE OF WORK/LIST OF REQUIREMENTS

- I. Supply of sun boards of sizes as mentioned in the Annexure-I against each equipment with details such as flow, Head, Pressure, Motor rating, rpm which is relevant to that equipment and which is mentioned against each of them only (Please note that wherever the details are left blank in the Annexure-I that particular detail should not be written in the sun board).
- II. Installing sun boards at their designated places in ETP, WTP, Boiler, Compressor, Workshop and Chiller.
- III. All the sun boards shall be supplied and installed with suitable SS chains for all weather conditions.
- IV. Background shall be in yellow and letters shall be in black color.
- V. For any clarifications, please contact Mr. Swaroop Kumar k, Engineer/Officer Utility Dept.
Ph:08212401342, 74113792665

Other General Terms and Conditions

- I. Bidder shall understand the complete scope of work before tendering by visiting the plant premises if required. Ignorance of the site shall not be accepted as basis for any claim/compensation. The submission of the tender by the bidder will be construed as evidence that such an examination was made and any falter claims/disputes in regard to price quoted shall not be entertained or considered.
- II. The Sun boards to be supplied shall be in accordance with the specifications mentioned herewith as Annexure-I. Any item which may not have been specifically mentioned herein but are needed to complete the proposed works shall also be treated as included and the same shall also be supplied and installed by the bidder for the successful completion of work.
- III. The bidder may visit/inspect then BNPM utility packages at their own cost with prior permission of BNPM, if required, before submitting the offer.
- IV. The expenses towards transportation of man & materials, accommodation (food & lodging) of personnel, local transport & travel, expenses towards draft & final report preparation, delivery etc. will be in the scope of bidder.
- V. BNPM shall provide the Standard Sample Format.
- VI. Provision for all the tools, tackles, instruments, equipment etc. whichever required for the completion of the works is in the scope of bidder and shall be arranged by the bidder.

- VII. The bidder shall take responsibility for supervision and proper execution of works covered under the scope of contract. The work should be executed through professional way & in true workmanship. The work will be carried out without hampering/ disturbing day to day functioning of the BNPM. Any damage caused to BNPM Machinery or any other assets in inside BNPM premises by any deliberate efforts to effect/ hamper the production of the plant by the bidder or his/ her team shall be made good or replaced at cost of the bidder only.
- VIII. The entire works should be to the satisfaction of BNPM. If any of the work found to be unsatisfactory by BNPM, bidder has to rectify the same within the stipulated time frame given by BNPM at their own cost and expenses.
- IX. The bidder shall be held responsible for any violation of statutory regulations local state or central and BNPM instructions, that may endanger safety of men, equipment, material and environment in his scope of work or another bidder's or agency's. Cost of damages if any, to life and property arising out of such violation of statutory regulations and BNPM instructions, shall be borne by the bidder.
- X. The bidder personnel to be engaged in job must use safety gadgets i.e. safety boot, goggles, safety helmet, ear plug etc., inside the installations wherever applicable. Bidder should ensure the safety of his work personnel while carrying out the audit job. Supply of all necessary safety gadgets/ PPE are in the scope of the bidder.
- XI. The bidder personnel to be engaged in job shall have to obtain Entry pass from BNPM Security and safety dept./ individual section heads authority for entering in BNPM's secured areas/installations.

ANNEXURE-I ETP EQUIPMENTS

SI No	Equipment Name	Flow(m ³ /h)	Head(m)	Pressure	Motor rating(kW)	rpm	Size of the sun board required
1	Collection tank combined air blower-A	524			11	1470	8"x12"
2	Collection tank combined air blower-S	524			11	1470	8"x12"
3	Pulp effluent transfer pump-A	30	18		5.5		8"x12"
4	Pulp effluent transfer pump-S	30	18		5.5		8"x12"
5	Pulp equalization tank air blower-A	1398			30	1470	12"x18"
6	Pulp equalization tank air blower-S	1398			30	1470	12"x18"
7	Pulp DAF feed pump-A	21	15		5.5		8"x12"
8	Pulp DAF feed pump-S	21	15		5.5		8"x12"
9	Pulp acid dosing pump-A	0-6lph		2.5kg/cm ²	0.37	1410	8"x12"
10	Pulp acid dosing pump-S	0-6lph		2.5kg/cm ²	0.37	1410	8"x12"
11	Pulp DAF				0.55	1485	12"x18"
12	Pulp DAF air compressor-A	150	5		2.2	1441	8"x12"
13	Pulp DAF air compressor-S	150	5		2.2	1441	8"x12"
14	Pulp DAF recirculation pump-A	15	65		7.5	2880	8"x12"
15	Pulp DAF recirculation pump-S	15	65		7.5	2880	8"x12"
16	Pulp DAF Polyelectrolyte dosing system	0-500lph		3.5kg/cm ²	0.37	1410	8"x12"
17	Pulp DAF Coagulant dosing system	0-500lph		8kg/cm ²	1.5	1435	8"x12"
18	Air blower for MBBR & BAS Tank-A	1630			45	1475	12"x18"
19	Air blower for MBBR & BAS Tank-B	1630			45	1475	12"x18"
20	Air blower for MBBR & BAS Tank-S	1630			45	1475	12"x18"
21	Pulp DAP dosing system	40lph			0.37	1410	8"x12"
22	Pulp Urea dosing system	100lph			0.37	1410	8"x12"
23	Pulp tube settler sludge recirculation pump-A	5	14		2.2	1450	8"x12"
24	Pulp tube settler sludge recirculation pump-S	5	14		2.2	1450	8"x12"
25	MGF feed Pump-A	16	35		3.7		8"x12"
26	MGF feed Pump-S	16	35		3.7		8"x12"
27	MGF & ACF backwash pump-A	35	20		3.7	1450	8"x12"
28	MGF & ACF backwash pump-B	35	20		3.7	1450	8"x12"
29	MGF & ACF backwash pump-S	35	20		3.7	1450	8"x12"
30	Pulp hypochlorite dosing system	30lph			0.37	1410	8"x12"
31	Filter perss A & B feed pump-A	25	8		11	1465	8"x12"
32	Filter perss A & B feed pump-S	25	8		11	1465	8"x12"
33	Filter perss C & D feed pump-A	35	8		15	1465	8"x12"
34	Filter perss C & D feed pump-S	35	8		15	1465	8"x12"
35	Filter press polyelectrolyte dosing system	500lph			1.5	1435	8"x12"
36	Filter press-A				2.2	1450	8"x12"
37	Filter press-B				2.2	1450	8"x12"
38	Filter press-C				2.2	1450	8"x12"
39	Filter press-D				2.2	1450	8"x12"
40	UF B/W transfer pump-A	45	15		3.7	2875	8"x12"
41	UF B/W transfer pump-S	45	15		3.7	2875	8"x12"
42	Filtrate transfer pump-A	30	15		3.7	1450	8"x12"
43	Filtrate transfer pump-S	5	14		2.2	1450	8"x12"

44	Pulp clarifier sludge recirculation pump-A	5	14		2.2	1450	8"x12"
45	Pulp clarifier sludge recirculation pump-S	17	15		2.2	2850	8"x12"
46	Clarified water transfer pump-A	21	10		2.2	1450	8"x12"
47	Clarified water transfer pump-S	21	10		2.2	1450	8"x12"
48	Pulp clarifier drive motor				0.37	1410	8"x12"
49	Paper effluent transfer pump-A	160	18		15		8"x12"
50	Paper effluent transfer pump-S	160	18		15		8"x12"
51	Paper DAF feed pump-A	151	15		11		8"x12"
52	Paper DAF feed pump-S	151	15		11		8"x12"
53	Paper DAF				0.55	1485	12"x18"
54	Paper DAF recirculation pump-A	36	65		15	2920	8"x12"
55	Paper DAF recirculation pump-S	36	65		15	2920	8"x12"
56	Paper DAF air compressor-A	150	5		2.2	1441	8"x12"
57	Paper DAF air compressor-S	150	5		2.2	1441	8"x12"
58	Paper DAF polyelectrolyte dosing system	500lph			1.5	1435	8"x12"
59	Paper coagulant dosing system	500lph			1.5	1435	8"x12"
60	Aeration tank blower-A	1630			45	1475	12"x18"
61	Aeration tank blower-B	1630			45	1475	12"x18"
62	Aeration tank blower-S	1630			45	1475	12"x18"
63	Paper DAP dosing system	50lph			0.37	1410	8"x12"
64	Paper UREA dosing system	100lph			0.37	1410	8"x12"
65	Paper tube settler sludge recirculation pump-A	25	10		2.2	1450	8"x12"
66	Paper tube settler sludge recirculation pump-S	25	10		2.2	1450	8"x12"
67	Paper hypochlorite dosing system	100lph			0.37	1410	8"x12"
68	Paper PSF feed pump-A	80	25		11	1470	8"x12"
69	Paper PSF feed pump-B	80	25		11	1470	8"x12"
70	Paper PSF feed pump-S	80	25		11	1470	8"x12"
71	Paper PSF & ACF backwash pump-A	85	25		11	1470	8"x12"
72	Paper PSF & ACF backwash pump-B	85	25		11	1470	8"x12"
73	Paper PSF & ACF backwash pump-S	85	25		11	1470	8"x12"
74	Paper PSF & ACF backwash air blower-A	175			5.5	1450	8"x12"
75	Paper PSF & ACF backwash air blower-B	175			5.5	1450	8"x12"
76	Paper PSF & ACF backwash air blower-S	175			5.5	1450	8"x12"
77	BNPM Gardening water transfer pump-A	13	65		7.5	2880	8"x12"
78	BNPM Gardening water transfer pump-S	13	65		7.5	2880	8"x12"
79	BRB Gardening water transfer pump-A	64	50		15	2920	8"x12"
80	BRB Gardening water transfer pump-S	64	50		15	2920	8"x12"
81	ACF feed pump-A	32.5	35		7.5	2880	8"x12"
82	ACF feed pump-B	32.5	35		7.5	2880	8"x12"
83	ACF feed pump-S	32.5	35		7.5	2880	8"x12"
84	Soft water transfer pump-A	50	58		15	2920	8"x12"
85	Soft water transfer pump-S	50	58		15	2920	8"x12"
86	MEE feed pump-A	11	20		2.2	1450	8"x12"
87	MEE feed pump-S	11	20		2.2	1450	8"x12"
88	Acid transfer pump-A	2.5	10		1.1	1400	8"x12"
89	Acid transfer pump-S	2.5	10		1.1	1400	8"x12"
90	Salt solution transfer pump-A	2.5	20		1.5	2840	8"x12"

91	Salt solution transfer pump-S	2.5	20		1.5	2840	8"x12"
92	Paper Intermediate tank transfer pump-A	163	10		9.3	1450	8"x12"
93	Paper Intermediate tank transfer pump-B	163	10		9.3	1450	8"x12"
94	Paper Intermediate tank transfer pump-S	163	10		9.3	1450	8"x12"
95	Paper clarifier sludge recirculation pump-A	163	15		15	1470	8"x12"
96	Paper clarifier sludge recirculation pump-B	163	15		15	1470	8"x12"
97	Clarifier drive motor				0.37	1410	8"x12"
98	Pulp UF feed pump-A	16.19	29		5.5	1450	8"x12"
99	Pulp UF feed pump-S	16.19	29		5.5	1455	8"x12"
100	Pulp UF air blower-A	60			2.2	1440	8"x12"
101	Pulp UF air blower-S	60			2.2	1440	8"x12"
102	Pulp UF RC/MC pump-A	17	25		3.7	1450	8"x12"
103	Pulp UF RC/MC pump-S	17	25		3.7	1450	8"x12"
104	Pulp UF oxidizer dosing system	0-12.7lph		5kg/cm2	0.37	1410	8"x12"
105	Pulp UF caustic dosing system	0-7.8lph		5kg/cm2	0.37	1410	8"x12"
106	Pulp UF acid dosing system	0-22.5lph		5kg/cm2	0.37	1410	8"x12"
107	Paper UF air blower-A	425.9			11	1470	8"x12"
108	Paper UF air blower-S	425.9			11	1470	8"x12"
109	Paper UF feed pump-A	133	29		18.5	1475	8"x12"
110	Paper UF feed pump-S	133	29		18.5	1475	8"x12"
111	Paper UF RC/MC pump-A	118	25		15	1470	8"x12"
112	Paper UF RC/MC pump-S	118	25		15	1470	8"x12"
113	Paper UF oxidiser dosing system	0-888.5lph		5kg/cm2	1.1	1410	8"x12"
114	Paper UF caustic dosing system	0-544.2lph		5kg/cm2	0.37	1410	8"x12"
115	Paper UF acid dosing system	0-54lph		5kg/cm2	1.1	1410	8"x12"
116	RO feed pump-A	50	29		9.3	1470	8"x12"
117	RO feed pump-S	50	29		9.3	1470	8"x12"
118	RO SMBS dosing system	0-3lph		5kg/cm2	0.37	1400	8"x12"
119	RO anti-scalant dosing system	0-3lph		5kg/cm2	0.37	1400	8"x12"
120	RO acid dosing system	0-15lph		5kg/cm2			8"x12"
121	RO high pressure pump-A	45	135.9		30	2962	8"x12"
122	RO high pressure pump-S	45	135.9		30	2962	8"x12"
123	RO morpholine dosing system	0-20lph		5kg/cm2	0.37	1400	8"x12"
124	RO CIP pump-A	63	25		9.3	1470	8"x12"
125	RO CIP pump-S	63	25		9.3	1470	8"x12"
126	RO permeate water transfer pump-A	52	65		18.5	2920	8"x12"
127	RO permeate water transfer pump-S	52	65		18.5	2920	8"x12"
128	Feed pump-A	20.5	21		2.2	2850	8"x12"
129	Feed pump-S	20.5	21		2.2	2850	8"x12"
130	Concentrate liquor pump(Product pump)-A	12	21.5		1.5	2860	8"x12"
131	Concentrate liquor pump(Product pump)-S	12	21.5		1.5	2860	8"x12"
132	Concentrate liquor transfer pump-A	12	21.5		1.5	2860	8"x12"
133	Concentrate liquor transfer pump-S	12	21.5		1.5	2860	8"x12"
134	Condensate pump-A	37	25		3.7	2875	8"x12"
135	Condensate pump-S	37	25		3.7	2875	8"x12"
136	AE pump-A	180	23		15	2920	8"x12"
137	AE pump-S	180	23		15	2920	8"x12"
138	Vaccum pump-A	16lpm			5.5	1455	8"x12"
139	Vaccum pump-S	16lpm			5.5	1455	8"x12"

140	Mix flow pump-1	650	11.5		15	975	8"x12"
141	Mix flow pump-2	650	11.5		15	975	8"x12"
142	Mix flow pump-3	650	11.5		15	975	8"x12"
143	Mix flow pump-4	670	13		22	975	8"x12"
144	CIP pump-A	15	23		3.7	2875	8"x12"
145	CIP pump-S	15	23		3.7	2875	8"x12"
146	Agitated thin film drive-ATFD				7.5	1450	8"x12"
147	ATFD Blower				2.2	2830	8"x12"
148	Seal cooling water pump-A	12.5	23		1.5	2860	8"x12"
149	Seal cooling water pump-S	12.5	23		1.5	2860	8"x12"
150	Drain transfer pump-A	37	25		3.7	2875	8"x12"
151	Drain transfer pump-S	37	25		3.7	2875	8"x12"
152	Antiscalant dosing system	12lph		2kg/cm2			8"x12"
153	Paper Lagoon Effluent transfer pump				11		8"x12"
154	Pulp Lagoon Effluent transfer pump				5.5		8"x12"
155	Centrifuge				11	2920	8"x12"

Example format for your reference

1 **PULP EFFLUENT TRANSFER PUMP-A**
FLOW: 30 m³/h
HEAD: 18 m

2 **PULP ACID DOSING PUMP-S**
FLOW: 0-6 lph
PRESSURE: 2.5kg/cm²
MOTOR: 0.37 kW/ 1410 rpm

3 **PAPER PSF FEED PUMP-A**
FLOW: 80 m³/h
HEAD: 25 m
MOTOR: 11 kW / 1470 rpm

WORKSHOP EQUIPMENTS				
Sr.No	Equipment name	motor rating (kW)	rpm	Size of the sun board required
1	Power Saw Cutting Machine	2.2	935	8"x12"
2	Drilling Machine	1.5	1440	8"x12"
3	Shaping Machine	3.7	970	8"x12"
4	Milling Machine -1	2.2	1430	8"x12"
5	Milling Machine -2	7.5		8"x12"
6	Lathe Machine	3.7	1410	8"x12"
7	Tool Cutting Machine	0.75	2800	8"x12"
8	Surface Grinding Machine	2.2	1445	8"x12"
9	Bench Grinding Machine	0.75	2800	8"x12"

Example format
POWER SAW CUTTING MACHINE
MOTOR: 2.2 kW/935 rpm

Boiler Equipment's

Sr.No	Equipment name	Flow (m3/h)	Head (m)	motor rating (kW)	rpm	Size of the sun board required
1	FD Fan Motor -1	12300	625mmWc	30	2952	8"x12"
2	FD Fan Motor -2	12300	625mmWc	30	2952	8"x12"
3	FD Fan Motor -3	12300	625mmWc	30	2952	8"x12"

Sr.No	Equipment name	Height				
44	Chimney-1	46 m				8"x12"
45	Chimney-2	56 m				8"x12"
	Example format for your reference			2		
1	FD FAN MOTOR-1 FLOW: 12300 m³/h HEAD: 625 mmWc MOTOR: 30 kW/ 2952 rpm					DEAERATION TANK CAPACITY: 20m³ WATER TEMP: 85-95°C

COMPRESSOR EQUIPMENTS

Sr.No	Equipment name	Flow (m3/min)	Rated pressure	Motor rating (kW)	rpm	Size of the sun board required
1	E200-11AC Compressor Motor	34.3	8.5 bar	250	1489	8"x12"
2	E100-11AC VFD Compressor Motor	17.1	8.5 bar	132	1487	8"x12"
3	E100-11AC Standby Compressor Motor	17.1	8.5 bar	132	1487	8"x12"
	Example format for equipment's in Sr.No1 to 3 for your reference					
	E200 - 11AC COMPRESSOR MOTOR FLOW: 34.3 m³/min PRESSURE: 8.5 bar MOTOR: 250 kW/1489 rpm					
	Example format for equipment's in Sr.No4 to 7 for your reference					
	REFRIGERATION AIR DRYER-1 CAPACITY: 2300 CFM PRESSURE: 8.5 kgf/cm² MOTOR: 14 kW					
	Equipment name	Capacity	Working pressure	Motor rating (kW)	rpm	Size of the sun board required
4	Refrigeration Air Dryer -1	2300 CFM	8.5kgf/cm ²	14		8"x12"
5	Refrigeration Air Dryer -2	2300 CFM	8.5kgf/cm ²	14		8"x12"

WTP EQUIPMENTS

Sr.No	Equipment name	Flow(m3/h)	Head(m)	Motor rating (kW)	rpm	Size of the sun board required
1	Raw water pump - A	150	25	18.5	1455	8"x12"
2	Raw water pump - B	150	25	18.5	1455	8"x12"
3	Process water pump - A	120	50	30	2940	8"x12"
4	Process water pump - B	120	50	30	2940	8"x12"
5	Utility Water Pump - A	13	52	5.5	2890	8"x12"
6	Utility water pump - B	13	52	5.5	2890	8"x12"
7	DMF backwash pump	180	25	22	1455	8"x12"
8	DMF feed pump - A	75	35	15	2920	8"x12"
9	DMF feed pump - B	75	35	15	2920	8"x12"
10	DMF feed Pump - C	75	35	15	2920	8"x12"
11	Backwash water transfer pump - A	40	20	5.5	2890	8"x12"
12	Backwash water transfer pump - B	40	20	5.5	2890	8"x12"
13	Potable water transfer pump - SET A	4.7	74.4	1.58	2900	8"x12"
14	Potable water transfer pump - SET B	4.7	74.4	1.58	2900	8"x12"

15	Jockey pump-A	13.5	88	15	2930	8"x12"
16	Jockey pump-B	13.5	88	15	2930	8"x12"
17	Fire water main pump	410	88	180	1480	8"x12"
18	Fire water DG pump	410	88	186.9	1500	8"x12"
19	Wet well pump-A	28	26	5.5	1445	8"x12"
20	Wet well pump-B	28	26	5.5	1445	8"x12"

Sr.No	Equipment name	Flow(m3/h)	Pressure	Motor rating (kW)	rpm	
21	DMF backwash blower	300	0.4kg/cm2	7.5	1450	8"x12"

Sr.No	Equipment name	Flow(lph)	Pressure	Motor rating (kW)	rpm	
22	Polyelectrolyte dosing system	320	5kg/cm2	0.37	1410	8"x12"
23	Sodium hypochloride dosing system	35	4kg/cm2	0.1		8"x12"
24	Ferric chloride dosing system	6	10kg/cm2	0.1		8"x12"

Example format for equipment's in Sr.No1 to 20 for your reference	Example format for equipment in Sr.No21 for your reference	Example format for equipment's in SI No 22 to 24 for your reference
PROCESS WATER PUMP - A FLOW: 120 m³/h HEAD: 50 m MOTOR: 30 kW/2940 rpm	DMF BACKWASH BLOWER FLOW: 300 m³/h PRESSURE: 0.4 kg/cm² MOTOR: 7.5 kW/1450 rpm	POLYELECTROLYTE DOSING SYSTEM FLOW: 320 lph PRESSURE: 5 kg/cm² MOTOR: 0.37 kW/1410 rpm

HVAC EQUIPMENTS

Air Handling Units (AHU)

Sr.No	Equipment name	Area serving to	Flow (CFM)	Tonnage(Tr)	motor rating (kW)	Size of the sun board required
1	AHU/PMP/01	-10.3	10800	20	5.5	12"X18"
2	AHU/PMP/02	-2	22350	38	9.3	12"X18"
3	AHU/PMP/03/A	Finishing 6m and rewinder area	32500	47	15	12"X18"
4	AHU/PMP/03/B	Finishing 6m and rewinder area	32500	47	15	12"X18"
5	AHU/PMP/03/C	Finishing 6m and rewinder area	32500	47	15	12"X18"
6	AHU/PMP/03/D	Finishing 6m and rewinder area	32500	47	15	12"X18"
7	AHU/PMP/03/E	Finishing 6m and rewinder area	32500	47	15	12"X18"
8	AHU/PMP/03/F	Finishing 6m and rewinder area	32500	47	15	12"X18"
9	AHU/PMP/03/G	Finishing 6m and rewinder area	32500	47	15	12"X18"
10	AHU/PMP/03/H	Finishing 6m and rewinder area	32500	47	15	12"X18"
11	AHU/PMP/03/I	Finishing 6m and rewinder area	32500	47	15	12"X18"
12	AHU/PMP/03/J	Finishing 6m and rewinder area	32500	47	15	12"X18"
13	AHU/PMP/04	Office rewinder PM2 6m	5500	12	2.2	12"X18"
14	AHU/PMP/05	Office rewinder PM1 6m	1900	4	0.75	12"X18"
15	AHU/PMP/06	Manager Office dry section PM2, 6m	6600	10.6	3.7	12"X18"

16	AHU/PMP/07	Manager Office dry section PM1, 6m	6800	11.2	3.7	12''X18''
17	AHU/PMP/08	Dry end control room 6m	2950	4.7	0.55	12''X18''
18	AHU/PMP/09	MCC and Rack room , PM2 6m	15000	22.6	7.5	12''X18''
19	AHU/PMP/11	MCC and Rack room , PM1 6m	15300	23.3	7.5	12''X18''
20	AHU/PMP/13	Dry lab, 6m	2750	4.5	1.1	12''X18''
21	AHU/PMP/14	Wet end control room, 6m	3300	5.2	1.5	12''X18''
22	AHU/PMP/15	GAW I & C, 6m	1450	2.6	1.5	12''X18''
23	AHU/PMP/19	Engineering room, 6m	2250	3.6	1.7	12''X18''
24	AHU/PMP/20/A	Mould	20500	31.5	9.3	12''X18''
25	AHU/PMP/20/B	Mould	20500	31.5	9.3	12''X18''
26	AHU/TEB/01	Technical building Ground floor	22500	40	9.3	12''X18''
27	AHU/TEB/02	Training hall/Conference room	4350	9	2.2	12''X18''
28	AHU/TEB/03	CCTV server room and LAN server room	7150	11	3.7	12''X18''
29	AHU/TEB/04	R&D, Indegenisation, AGM, DGM , Planning cell, Lobby(1st floor)	23000	40	9.3	12''X18''
30	AHU/TEB/05	Auditorium (12m, 2nd floor)	13050	21	5.5	12''X18''
31	AHU/PLP/01	Control room PULP	2800	4.5	0.75	12''X18''
32	AHU/PLP/02	MCC PULP	12750	18.5	5.5	12''X18''

Fresh Air Units (FAF)

Sr.No	Equipment name	Area serving to	Flow (CMH)	motor rating (kW)	Size of the sun board required
33	FAF/PMP/01/A	Paper Machine 1 , (11 m)	40000	7.5	12''X18''
34	FAF/PMP/01/B	Paper Machine 1 , (11 m)	40000	7.5	12''X18''
35	FAF/PMP/01/C	Paper Machine 1 , (11 m)	40000	7.5	12''X18''
36	FAF/PMP/01/D	Paper Machine 1 , (0 m)	40000	7.5	12''X18''
37	FAF/PMP/02/A	Paper Machine 1 , (11 m)	45000	7.5	12''X18''
38	FAF/PMP/02/B	Paper Machine 1 , (11 m)	45000	7.5	12''X18''
39	FAF/PMP/02/C	Paper Machine 1 , (0 m)	45000	7.5	12''X18''
40	FAF/PMP/03/A	Paper Machine 1 , (11 m)	35000	5.5	12''X18''
41	FAF/PMP/03/B	Paper Machine 1 , (11 m)	35000	5.5	12''X18''
42	FAF/PMP/04/A	Paper Machine 2 , (11 m)	40000	7.5	12''X18''
43	FAF/PMP/04/B	Paper Machine 2 , (11 m)	40000	7.5	12''X18''
44	FAF/PMP/04/C	Paper Machine 2 , (11 m)	40000	7.5	12''X18''
45	FAF/PMP/04/D	Paper Machine 2 , (0 m)	40000	7.5	12''X18''
46	FAF/PMP/05/A	Paper Machine 2 , (11 m)	35000	7.5	12''X18''
47	FAF/PMP/05/B	Paper Machine 2 , (11 m)	35000	7.5	12''X18''
48	FAF/PMP/05/C	Paper Machine 2 , (0 m)	35000	7.5	12''X18''
49	FAF/PMP/06/A	Paper Machine 2 , (11 m)	46000	5.5	12''X18''
50	FAF/PMP/06/B	Paper Machine 2 , (0 m)	46000	5.5	12''X18''
51	FAF/PMP/07/A	Paper Machine 1 , (11 m)	46000	7.5	12''X18''
52	FAF/PMP/07/B	Paper Machine 1 , (11 m)	46000	7.5	12''X18''
53	FAF/PMP/07/C	Paper Machine 2 , (11 m)	46000	7.5	12''X18''
54	FAF/PMP/07/D	Paper Machine 1 , (0 m)	46000	7.5	12''X18''
55	FAF/PMP/07/E	Canteen	46000	7.5	12''X18''
56	FAF/PMP/09	Wire Storage , +3m (Grid A-E)	16000	3.7	12''X18''
57	FAF/PMP/10	CPP , +3m (Grid F-G)	16000	3.7	12''X18''

58	FAF/PMP/11	Broke Storage , 6m PMP	31000	5.5	12''X18''
59	FAF/PMP/12	PCC room PM2, 0m	12000	2.2	12''X18''
60	FAF/PMP/13	PCC room PM1, 0m	12000	2.2	12''X18''
61	FAF/TEB/01	Ladies , Gents toilet and locker (0m, 6m) 2nd floor (gents toilet and corridor)	19060	3.7	12''X18''
62	FAF/TEB/02	Ladies , Gents toilet and locker (0m, 6m) 2nd floor (ladies toilet and corridor)	14950	3.7	12''X18''
63	FAF/TEB/03	Electrical room +6m	2820	0.37	12''X18''
64	FAF/PLP/01/A	PULP 6m	34000	7.5	12''X18''
65	FAF/PLP/01/B	PULP 6m	34000	7.5	12''X18''
66	FAF/PLP/02	Storage tank area PULP	7500	1.5	12''X18''
67	FAF/PLP/03	MV Switch gear PULP	2500	0.37	12''X18''
68	FAF/PLP/05	PCC room PULP	5000	1.1	12''X18''
69	FAF/PLP/06/A	0m PULP Mill and refiners	42000	7.5	12''X18''
70	FAF/PLP/06/B	0m PULP Mill and refiners	42000	7.5	12''X18''
71	FAF/PLP/06/C	0m PULP Mill and refiners	42000	7.5	12''X18''
72	FAF/PLP/06/D	0m PULP Mill and refiners	42000	7.5	12''X18''

Exhaust Air Units

Sr.No	Equipment name	Area serving to	Flow (CMH)	motor rating (kW)	Size of the sun board required
73	EAF/PMP/20	PCC room PM2, 0m	11000	1.1	12''X18''
74	EAF/PMP/21	PCC room PM1, 0m	11000	1.1	12''X18''
75	EAF/TEB/01	Ladies , Gents toilet and locker (0m, 6m) 2nd floor (gents toilet and corridor)	21100	2.2	12''X18''
76	EAF/TEB/02	Ladies , Gents toilet and locker (0m, 6m) 2nd floor (ladies toilet and corridor)	16350	2.2	12''X18''
77	EAF/TEB/03	Electrical room +6m	2540	0.55	12''X18''
78	EAF/PLP/05	PCC room PULP	4500	0.55	12''X18''

Example format for equipment in Sr.No1 TO 32 for your reference	Example format for equipment in Sr.No33 TO 78 for your reference
AHU/PMP/03/A	FAF/PMP/09
FINISHING 6M AND REWINDER AREA	WIRE STORAGE, +3M (GRID A-E)
FLOW: 32500 CFM	FLOW: 16000 CMH
TONNAGE: 47 TR	MOTOR: 3.7 kW
MOTOR: 15 kW	

NOTE:

Wherever the details are left blank in the list, it is to be understood as no need to write that information in the sunboard

ANNEXURE-II

Tender Notification: BNPM/LTE/498/Sun Board/2018-19 dated 11.09.2018

Schedule of Price (Financial Bid)												
Name of Work: supply and fixing of Sun board AT BNPM PLANT, MYSURU												
Name of the Firm					Price for Supply and fixing of Sun board (in INR)							
Sl. No	Description	Unit	QTY	HSN/SAC CODE	Basic Unit Price (INR)	Freight, P&F, Insurance and Other Charges (INR)	Unit Price (Incl. of Freight, P&F, Insurance & Other Charges) (INR)	GST - 18% (INR)	Total Unit Price (Incl. of Freight, P&F, Insurance, Other Charges & GST) (INR)	Input Tax Credit for HSN/SAC (INR)	Effective Unit Price (Net of Input Tax Credit) (INR)	Total Price (Incl. of Freight, P&F, Insurance, Other Charges & GST) (INR)
			(i)		(a)	(b)	(c) = (a)+(b)	(d)	(e) = (c)+(d)	(f)	(g) = (e) - (f)	(h) = (g)*(i)
1	Providing, supplying, installation of Sun board of size 8"X 12" (refer Annexure 1) using 4mm thick Sun Board and providing eco-solvent print with lamination of required font size, yellow background with block letters/ required text and style including SS chains for all weather conditions including other material which are essential for completion of job to enhance its heritage look having neat exterior finish etc. as required and direction of engineer using standard make of materials the rate quoted shall include labour charges, transportation charges, installation charges, cutting, finishing & GST etc.	Nos	228									
2	Providing, supplying, installation of Sun board of size 12"X 18" (refer Annexure 1) using 4mm thick Sun Board and providing eco-solvent print with lamination of required font size, yellow background with block letters/ required text and style including SS chains for all weather conditions including other material which are essential for completion of job to enhance its heritage look having neat exterior finish etc. as required and direction of engineer using standard make of materials the rate quoted shall include labour charges, transportation charges, installation charges, cutting, finishing & GST etc	Nos	88									

Total effective price (net of input tax credit) for Supply and fixing of Sun board with GST, freight, P&F, Insurance and Other Charges (In figures) (D.A.P – Mysore site) (A)	
Total effective price (net of input tax credit) for Supply and fixing of Sun board with GST, freight, P&F, Insurance and Other Charges (In words) (D.A.P – Mysore site)	

1. We confirm that the quoted price is inclusive of all statutory levies, duties, freight, packing & forwarding, handling, loading/unloading, insurance and all other charges and charges for delivery at Engineering Stores, BNPMIPL, Note Mudran Nagar, Mysore and is firm.
2. We confirm that the quoted prices will remain firm and there would not be any price escalation during the supply period.
3. We confirm that we will abide by all the tender terms & conditions and we do not have any counter conditions.
4. We confirm that we understood the scope of supply before quoting the price.

Thanking you,

Yours faithfully,

Seal

(.....)

Name & Signature with date

ANNEXURE III
(To be submitted on the letterhead)

Tender No: BNPM/LTE/498/Sun Board/2018-19 date 11.09.2018

DECLARATION

We do hereby declare that we have not been blacklisted/ debarred by BNPMIPL/ BRBNMPL/ SPMCIL or any Govt. Departments during last three years. 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 may disqualify/ debar me/ us as deemed fit.

Signature -----

Name-----

Designation-----

Date-----

Stamp of the Organization-----

ANNEXURE IV

PERFORMA OF TECHNO-COMMERCIAL BID FOR SUPPLY AND FIXING OF SUN BOARD

From
Company Name,
BNPMIPL VENDOR REGISTRATION No (if any):
Address:

Date:

To
The Deputy General Manager,
Bank Note Paper Mill India Private Limited
Administrative Building, Gate 1, Paper Mill Compound
Note Mudran Nagar, Mysuru-570 003.

Dear Sir,

SUB: Part-I: Techno-Commercial Bid for supply and fixing of Sun Board.

Ref: Your Tender No: BNPM/LTE/498/Sun Board/2018-19 date 11.09.2018.

We have received your tender enquiry cited and we are pleased to enclose the following as our technical bid for your kind consideration.

A. FIRM'S BIO DATA

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	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.	
7	Experience in the field (Enclose documentary evidence)	____ Years

8	(a) GST NO (b) PAN NO	
9	Names of Bankers and their full addresses	

B. CONFIRMATIONS

1. We confirm that we have quoted exactly for the tendered product as per your specifications given and will supply the tendered product in numbers as per the delivery schedule and strictly as per your specifications.
2. We have enclosed DD No..... dated of amount Rs...../- (Rupees only) Payable at Mysore in a separate cover towards the payment of Tender fee amount as per your tender conditions.
3. We have enclosed DD No..... dated of amount Rs...../- (Rupees only) Payable at Mysore in a separate cover towards the payment of EMD amount as per your tender conditions.
4. We are the original manufacturer of the tendered product / wholesale authorized dealer / distributor of the original manufacturer and herewith enclose a valid authorized dealer /distributor certificate issued by M/s..... /Self certification as the case may be.
5. We have separately given our Price bid offer exactly as per format “Annexure A” in a sealed cover without any conditions /counter conditions. We also note that Price bid with conditions are liable for rejection.
6. We confirm that there would not be any price escalation during the supply period.
7. We confirm that we will abide by all the tender terms & conditions and we do not have any counter conditions. As required, we enclose herewith the complete set of copy of Tender documents (including Terms & Conditions) duly signed by us with seal affixed as a token of our acceptance.
8. We have not been blacklisted/ debarred by BNPM/ Bharatiya Reserve Bank Note Mudran (P) Limited(BRBNMPL) / Security Printing & Minting Corporation of India Limited (SPMCIL) or any Govt. Departments for participation in the tender.

Thanking you,

Seal

Yours faithfully,

Name & Signature with date