

Not Transferable
Security Classification: Non-Security



बैंक नोट पेपर मिल इण्डिया प्रा. लिमिटेड
BANK NOTE PAPER MILL INDIA PVT LIMITED
JV of SPMCIL - A Govt. of India Enterprises & BRBNMPL - A Subsidiary of RBI

TENDER ENQUIRY FOR SUPPLY OF COMMUNICATION TRAINER KITS & WOODEN PODIUM AT GOVERNMENT POLYTECHNIC, MALAVALLI, KARNATAKA.

This tender document contains 23 Pages

Tender Enquiry No	BNPM/OTE/490/2025-26
Tender issuing date	30.01.2026
Due date & time for Bid Submission	20.02.2026 till 15:00 Hrs.
Bid Opening date & Time	20.02.2026 15:30 Hrs.
Mode of Bid Submission	Online
Type of Tender Enquiry	OPEN TENDER ENQUIRY (OTE)
Tender Processing Fee	Rs. 250/- + Taxes
Details of contact person	Deputy General Manager (SCM) 0821-240111/158.

Registered & Corporate Office:
Administrative Building
Gate 1, Paper Mill Compound
Note Mudran Nagar, Mysuru – 570 003
Telephone No. 0821 – 2401 111

e-mail: scm.tender@bnpmindia.com

website: www.bnpmindia.com



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SECTION I – NOTICE INVITING TENDER

1. E-tenders are invited from eligible and qualified tenderers for supply of following goods at **GOVERNMENT POLYTECHNIC, MALAVALLI:**

Schedule No.	Brief Description of Goods / Services	EMD**	Required Quantity (UoM)
1.	Supply of ASK-FSK Modulation-Demodulation Trainer Kit.	Rs. 3,000/- (Rupees Three Thousand only)	1 (Set)
2.	Supply of Time Division and Multiplexing-Demultiplexing Trainer Kit.		1 (Set)
3.	Supply of PAM, PWM, PPM Modulation-Demodulation Trainer Kit.		1 (Set)
4.	Supply of FM Modulation-Demodulation Trainer Kit.		1 (Set)
5.	Supply of AM Modulation-Demodulation Trainer Kit.		1 (Set)
6.	Supply of Wooden Podium (5 Feet).		4 (Nos)

For MSE Bidders:

- Submission of EMD is exempted for Micro and Small enterprises (MSEs) as per the Public Procurement Policy for MSEs Order, 2018.
- 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 UDYAM Registered or Any other body specified by Ministry of MSME.
- Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.
- In case of a re-classification to Medium category, an enterprise may continue to avail EMD exemption of the category it was in before the re-classification, for a period of three years from the date of such reclassification.

For Start-up Bidders:

- Submission of EMD is exempted for Start-up bidders as per the Office Memorandum No. F/20/2/2014-PPD(Pt.) of Ministry of Finance dated 25.07.2017.
- Start-ups should be registered with Department for Promotion of Industry and Internal Trade (DPIIT) Bid Security Declaration as per Annexure-D is to be submitted.

Documents to be submitted:

- For MSE Bidders:** Valid NSIC / KVIC / KVIB / DIC / UDYAM Registration certificate.
- For Start-ups:** Certificate of recognition issued by DPIIT.
- Bid Security Declaration as per Annexure-D is to be submitted by bidders claiming exemption to EMD.

For Non-MSE/Start-up bidders:

EMD is to be submitted.

SECTION I – NOTICE INVITING TENDER

2. Procedure for bid submission:

ONLINE:

- a) Interested bidders 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.
 - b) Aspiring Bidders/Contractors who have not registered in e-tendering should register through the website E – Tendering (www.tenderwizard.com/BNP) for participating in the Online Tenders. The registration charges will be Rs. 500/- plus applicable taxes (per year) which needs to be paid through electronic mode only.
 - c) For details, registration and e-payment, please visit e-tendering website www.tenderwizard.com/BNP or contact KEONICS help desk at 080-40482000.
 - d) Class III Digital Signature Certificate (DSC) is mandatory to participate in e-Tenders. Participating bidders/Contractors have to make sure that they have the valid DSC. If not, they can procure from any of the firm as approved by CCA.
3. The tenderer shall satisfy BNPMIPL that they are competent and authorized to submit tender and/or to enter into a legally binding contract with the BNPMIPL. To this effect, any person giving a tender shall render documentary evidence that his signature on the tender submitted by him is legally binding upon himself, his firm or company as the case may be.
 4. BNPM reserves the right to cancel the tender at any stage without assigning the reasons thereof.
 5. Against receipt of the following notification through email from tender wizard, bidder must resubmit the bid even if the bidder has already submitted the bid through tender wizard.
Notification: If you have already submitted the tender, then ensure that you re-submit the tender. Else, your bid may be liable to be auto disqualified by the system and service provider holds no responsibility for the same. In case, you are yet to submit the tender, then please ensure that you submit it before the tender closing time.
 6. Submission / resubmission of the bid is the responsibility of the bidders only. Bidder should check and confirm at their end regarding the submission/ resubmission of their bid till the due date & time of bid submission. BNPM / KEONICS/ Tender wizard will not be responsible for non-submission/ non resubmission of any bid.

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1. Tenders are to be uploaded on e-tendering portal www.tenderwizard.com/BNP only in Two-part bid system.
2. i) **Part-I – Prequalification Bid & Techno-commercial Bid**: Scanned copy of Technical offer (catalogue/brochure etc.), GST, PAN, Bank details etc., along with all sections & annexures (duly filled) of this tender.
ii) **Part II – Price Bid**:
Price shall be furnished through e-portal in **.xlsm** format only. Price offer submitted in any other format/place will be liable for rejection.
3. **Payment Terms**: 100% payment shall be made within 30 days after receipt and acceptance of material at destination and on production of all required documents by the supplier. NEFT/RTGS details shall be furnished along with the Original Invoice.
4. **Delivery Schedule**: Successful bidder shall complete supply of goods within a maximum period of **6 weeks** from date of placement of purchaser order.
5. **Delivery Terms & Delivery Address**:
Delivery shall be made on **F.O.R Basis** to The Principal, Government Polytechnic Malavalli, Mandya - 571430. Karnataka.
6. **Liquidated Damages**: In case your quotation is accepted and order is placed on you, the supply against the order should be made within the period stipulated in the order. BNPMIPL reserves the right to recover any loss sustained due to delayed delivery by way of penalty. Failure to supply the material within the stipulated period shall entitle BNPM to impose liquidated damages without assigning any reasons @ 0.5% (Half Percent) of the total value of the item covered in order as LD per week or part thereof subject to a maximum of 10% (Ten Percent) which you unconditionally and expressly agree to unless extension is obtained from BNPM without imposition of LD, without price escalation along with any other denial conditions (if applicable) on valid ground before expiry of delivery period.
7. **Warranty**: The supplier warrants that the goods supplied under the contract is new, unused and shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per BNPM's specifications) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India. This warranty shall remain valid for a minimum period of **Twelve (12) months** after the goods or any portion thereof as the case may be, have been delivered to the final destination and accepted by BNPM. In case of any claim arising out of this warranty, BNPM shall promptly notify the same in writing to the supplier and within a reasonable span of time supplier shall repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination.
8. **Performance Security**: - Performance security has to be submitted by the successful bidder within 21 days from the date of issue of LOI/order/agreement for **5% of the contract value** valid up to valid up to sixty days after the date of

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completion of all contractual obligations by the supplier, including the warranty obligations.

The Performance security shall be denominated in Indian Rupees or in the currency of the contract and shall be in one of the following forms:

- a. Account Payee Demand Draft drawn on any commercial bank in India, in favour Bank Note Paper Mill India Private Limited payable at Mysuru.
- b. Paper Bank Guarantee / e-Bank Guarantee issued by a scheduled commercial bank in India, in the prescribed format as provided in this document. BG issued by overseas branch of Indian Commercial Bank will not be accepted.
- c. Insurance Surety Bonds.
- d. Fixed Deposit Receipt from a scheduled commercial bank in India.
- e. Direct wire transfer in acceptable form.

In the event of any loss due to supplier's failure to fulfil its obligations in terms of the contract, the amount of the performance security shall be payable to BNPM to compensate BNPM for the same.

9. Manufacturer's name and country of origin of materials offered must be clearly specified. Please quote whether your organization is large scale industry or small-scale industry. If you are registered with Ministry of Micro, Small and Medium Enterprise (MSME), please attach UDYAM certificate to the quotation and mention your registration details at appropriate place provided in this tender document.
10. Complete details and ISI specification (if any) for the offered product must accompany the quotation. Make/brand of the item shall be stated wherever applicable. If you have got any deviation to the material required by us, the same may be shown separately at appropriate place provided in this tender document. Acceptance of deviation shall be at sole discretion of BNPM.
11. All supplies are subject to inspection and approval before acceptance. Manufacturer/supplier warranty certificates and manufacturer/Government approved lab test certificate (if applicable) shall be furnished along with the supply, wherever applicable.
12. BNPMIPL reserves the right to increase/decrease the quantity specified in this tender enquiry by $\pm 25\%$ at the time of placement of order at the quoted price.
13. The prices quoted should be firm till the supplies are completed. Please quote the rates in words and figures. Rates quoted should be door deliver basis at destination including all charges otherwise the quotation is likely to be rejected. Price quoted should be net and valid for a minimum period of three months from the date of opening of the quotation including corrigenda (if any issued).
14. **Evaluation Criteria:** Evaluation shall be done on the basis of **Overall Price (Incl. of taxes)** quoted by the bidder and the contract shall be awarded to the **Overall Lowest (L1) bidder**.

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Price Tie: In case of a price tie at L-1 price, order shall be placed on company incorporated earlier among the tied parties. In case of unavailability of incorporation certificates, such as proprietorship & partnership firms, date of GST registration & execution of partnership agreement respectively shall be taken as date of incorporation.

Bidder has to mention appropriate HSN code and quote GST rate provided in Price Schedule. In case of any mismatch in HSN code with respect to offered product, same shall be decided in consultation with winning bidder.

All tenderers should be registered under GST. If a tenderer is unregistered, the GST shall be payable by the purchaser under reverse charge and shall be added to the quoted rate to arrive at the Gross price. If no indication regarding GST is recorded in the quotation except for the unregistered bidders, the GST shall be considered as included.

15. Payment of GST is primarily the responsibility of the seller and will not be paid unless the percentage value is clearly mentioned in the quotations. If no indication regarding GST is recorded in the quotation, the GST will be considered as included.

16. Delay in supplier's performance: Time for and the date specified in the contract or as extended for the delivery of the stores shall be deemed to be the essence of the contract and the supplier shall deliver the goods and perform the services under the contract within the time schedule specified by BNPM in the contract.

Any delay attributable to the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all the following sanctions besides any administrative action such as (a) Imposition of liquidity damages; (b) Termination of contract for default; (c) Forfeiture of performance security.

17. Extension of Time: If the contract is delayed in the progress of work by changes ordered in the work, or any clause which BNPM shall decide to justify the delay, then the time of completion shall be extended by a reasonable time.

If at any time during the currency of contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform BNPM in writing about the same and its likely duration and make a request to BNPM for extension of the delivery schedule accordingly. On receiving the supplier's communication, BNPM shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

18. Risk Purchase Clause: If the supplier fails to abide by the terms and conditions of the agreement arising out of this enquiry (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) Procure the tender item/render service from other agencies at the risk and cost of the supplier. The cost difference between the alternative arrangement and existing

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contract value where the default has been made, will be recovered from the supplier along with the other incidental charges.

- b) 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.

19. Force Majeure: In the event of any unforeseen event directly interfering with the supply of stores arising during the currency of the contract, such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the Contractor shall, within a week from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Unless otherwise directed by BNPM in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. If the force majeure condition(s) mentioned above be in force for a period of 90 days or more at any time, either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days' notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other, save and except those which had occurred under any other clause of this contract prior to such termination.

20. Fore-Closure Clause: If at any time during the continuation of this contract, the use of material ordered in this contract is completely banned or due to drastic change in Government policy its use as, raw material is discontinued or is declared hazardous to public health or cause rising to civil commotion, epidemics, wide-spread strikes and 21 days' notice of such eventualities is given by purchaser to the seller, the seller without any right to enforce the contract, will agree to the fore-close the performance of balance portion of this contract and in that event no claim for damages or loss will be lodged against the purchaser.

21. Obligations by bidders:

- i) All bidders are obliged under the CIPP (Code of integrity of public procurement) to suo moto proactively declare any conflict of interest (coming under the definition as mentioned in conflict-of-interest clause below, pre-existing or as and as soon as these arise at any stage) in any procurement process or execution of contract. Failure to do so would amount to violation of this Code of Integrity; and
- ii) Any bidder must declare, whether asked or not in a bid document, any previous transgressions of such a Code of Integrity with any entity in any country during the last 1 (One) year of being debarred by any other Procuring Entity. Failure to do so would amount to violation of this code of integrity.

22. Conflict of Interest: A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practice to the detriment of BNPM interests. The bidder found to have a conflict of interest shall be disqualified after giving a reasonable opportunity of being heard. A bidder may be considered to have a conflict of

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interest with one or more parties in this bidding process, if:

- a. If its personnel have a close personal, financial, or business relationship with any personnel of the procuring entity who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of the procuring entity directly or indirectly;
- b. The bidder (or his allied firm as defined by DOE, MOF, GOI) provided services for the need assessment/procurement planning of the Tender process in which it is participating;
- c. A Principal can authorize only one agent, and an agent should not represent or quote on behalf of more than one Principal. However, this shall not debar more than one Authorized distributor (with/ or without the OEM) from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under Proprietary Article Certificate or
- d. A bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV.

23. Counter conditions (if any on technical & commercial terms) shall be reviewed by BNPM and acceptance of the same shall be at sole discretion of BNPM.

24. Bidders are advised to write the page number on each page of the Technical Bid documents submitted.

25. The BNPMIPL reserves the right to accept the offer by individual items and reject any or all tenders without assigning any reason thereof and does not bind itself to accept lowest quotations.

26. Divisibility & split-ability of contract: Quantity in this tender is not divisible/split-able.

27. Settlement of Disputes through Arbitration: 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 Mysuru, Karnataka.

28. Legal Jurisdiction: The Courts of Mysuru (Karnataka State) shall alone have jurisdiction to decide on any legal matter of dispute whatsoever arising out of or in respect of the contract.

29. Rights of Rejection: BNPMIPL reserves the right to reject any or all the applied bids without assigning any reason whatsoever. The enquiry can be rejected on national security grounds.

30. Preference for Micro and Small Enterprises (*MSEs): Public procurement policy for Micro and Small Enterprises (MSEs) order, 2012 as notified by Govt of India (GOI) along

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with its amendments as available in www.msme.gov.in shall be applicable to this tender.

- a. Micro and Small Enterprises (MSEs) should have valid UDYAM Registration Certificate to avail purchase preference under preference for Micro and Small Enterprises (*MSEs).
- b. MSMEs having major activity as “Trading” for availing benefits of Priority Sector Lending (PSL) only are excluded from the purview of the policy. Any other benefits, including provisions of delayed payments as per MSMED ACT 2006 are excluded.
- c. Tenderer’s applying for purchase preference benefit has to claim the same at the appropriate place provided in this tender document.
- d. Purchase Preference benefit will be given to those bidders, who are registered under tendered item group (i.e. NIC code – As applicable).

31. Price Discrepancy:

- i. If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless BNPM feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.
- ii. If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals, the subtotals shall prevail and the total corrected; and
- iii. If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail.
- iv. If, as per the judgment of BNPM, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered/speed post. If the tenderer does not agree to the observation of BNPM, the tender is liable to be ignored.
- v. If there is any tie between the quoted L1 rates of the bidders then preference will be provided to the company which was constituted earlier. Bidders have to mandatorily submit Company’s registration /incorporation /Partnership Deed /Any other registration certificate as applicable.

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I/we engage to supply the material(s) to your engineering store, BNPMIPL and comply the following:

1. Tender schedule and technical specification indicated.
2. Item/tender specific conditions for this tender.
3. Terms and conditions of this tender.
4. I/we confirm that set off for the GST, etc. paid on the inputs have been taken into consideration in the above quoted price and further agree to pass on such additional duties as sets offs as may become available in future under GST, etc.
5. This offer is **valid** for **90 (Ninety) days** from the date of opening of the tender.
6. That, we have not been debarred by BNPMIPL/BRBNMPL/SPMCIL and any other Government/Undertakings (Annexure-B enclosed).
7. Bidder's organization type: [Tick as applicable]
 - ☐ Large-scale Organization.
 - ☐ Small-scale Organization.
8. Whether bidder is registered with Ministry of MSME? If yes, enterprise type as per UDYAM [Tick as applicable]
 - ☐ Manufacturing
 - ☐ Services
 - ☐ Trading
9. Whether bidder has claimed EMD Exemption? If yes, claimed under, [Tick as applicable]
 - ☐ MSE.
 - ☐ Start up.
10. Whether bidder has claimed Purchase preference? [Tick as applicable]
 - ☐ YES [NIC Code as per UDYAM: _____]
 - ☐ NO

Place & Date:		Name of Authorized Signatory:	
Signature & Seal:		Tel. No/Fax. No/Mobile No:	
Address:		Email Id:	

SECTION III – TECHNICAL SPECIFICATIONS

(The specifications provided in the below table are minimum. Interested bidders can offer specifications higher than those specified in below table.)

TECHNICAL SPECIFICATIONS:

S No	Items	Specification
1.	ASK-FSK Modulation-Demodulation Trainer Kit	<ul style="list-style-type: none"> a. Data bits: 8 bits RZ variable data with sliding switch modulation. b. Carrier: On board 5KHZ -50KHZ variable frequency and 0.5 amplitude sine wave. c. Ask Modulation: Using IC CD4066 (Bilateral Switch). d. ASK Demodulation: Using IC TL084 with low pass filter e. FSK Modulation: Variable carrier frequency Modulation using Xr2206. f. FSK Demodulation: Demodulation using PLL method (using IC Lm565) g. Data Format: 8-bit parallel data representation using LEDs. h. Power supply: +12, -12 and +5V with 1000Ma regulated DC supply with on board LED modulation.
2.	Time Division and Multiplexing-Demultiplexing Trainer Kit	<ul style="list-style-type: none"> a. Input sine wave: 2 KHZ, 1KHZ ,500HZ,230HZ b. Synchronization pulse generation: Using (variable 0.5V) DC level. c. Sampling rate: 32 KHZ d. Reconstruction: 4 order low pass butter worth filter. e. Cut-off frequency: 3.4 KHZ
3.	PAM, PWM, PPM Modulation-Demodulation Trainer Kit	<ul style="list-style-type: none"> a. On board sine wave generator of variable amplitude (0.5) and frequency (1KHZ-20KHZ). b. On board carrier generator with 5 step frequency select switch. c. Carrier signal of 2KHZ, 4KHZ, 8KHZ,16 KHZ, 32KHZ. d. Pulse width select dip switch for PWM experiments. e. Unipolar and Bipolar PAM modulation. f. PWM and ppm modulation using 555 timer IC. g. Amplitude Modulation and Demodulation trainer kit. h. RF Generator: Colpitts oscillator generator 1 MHZ frequency to use a carrier signal. i. AF Generator: low frequency signal 2 KHZ is generated and send as the modulation signal. j. Power supply: on board power supply provided +12 V, -12V and current rating 150 Ma each. k. Modulation: Amplitude modulation using BC107 transistor (NPN).

SECTION III – TECHNICAL SPECIFICATIONS

4.	FM Modulation-Demodulation Trainer Kit	<ul style="list-style-type: none"> a. AF Generator: Generates low frequency signal of 500HZ and 5 KHZ to be as a Modulating signal. b. Regulated power supply: On board power supply provided +12V, -15 V, +5V, -5V and current rating 150 Ma each.
5.	AM Modulation-Demodulation Trainer Kit	<ul style="list-style-type: none"> a. Modulation – Frequency modulation using k-2206 with frequency of operation can be selected externally over a range of 0.01 HZ to more than 1 MHZ. b. Demodulation – Frequency demodulation using general purpose PLLM56.
6.	Wooden Podium (5 Feet)	<ul style="list-style-type: none"> a. Width – 25 inches. b. Depth – 18 inches. c. Height – 48 inches. d. Material – Engineered Wood. e. Finish – Plain Laminated. f. Colour – Brown. g. Purpose – This podium should be ideal for delivering speeches, presentations, debates, extempore, lectures, etc for all kinds of official events and cultural functions like conferences, meetings, debate competitions, lectures in colleges, speeches in large auditoriums.
<p>Note: Installation/Demonstration/Assembly etc. if any applicable/necessary for successful supply of the above items shall be in the scope of the supplier.</p>		

SECTION IV – QUALITY CONTROL REQUIREMENTS

QUALITY CONTROL REQUIREMENTS:

S No	Item Details	Requirement	Offered	Deviation (If any)
ASK-FSK MODULATION-DEMODULATION TRAINER KIT				
1.	Data bits	8 bits RZ variable data with sliding switch modulation	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
2.	Carrier	On board 5KHZ -50KHZ variable frequency and 0.5 amplitude sine wave	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
3.	Ask Modulation	Using IC CD4066 (Bilateral Switch)	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
4.	ASK Demodulation	Using IC TL084 with low pass filter	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
5.	FSK Modulation	Variable carrier frequency Modulation using Xr2206	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
6.	FSK Demodulation	Demodulation using PLL method (using IC Lm565)	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
7.	Data Format	8-bit parallel data representation using LEDs	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
8.	Power supply	+12, -12 and +5V with 1000Ma regulated DC supply with on board LED modulation	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
TIME DIVISION AND MULTIPLEXING-DEMULIPLEXING TRAINER KIT				
1.	Input sine wave	2 KHZ, 1KHZ, 500HZ, 230HZ	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
2.	Synchronization pulse generation	Using (variable 0.5V) DC level	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
3.	Sampling rate	32 KHZ	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
4.	Reconstruction	4 order low pass butter worth filter	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
5.	Cut-off frequency	3.4 KHZ	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
PAM, PWM, PPM MODULATION-DEMODULATION TRAINER KIT				
1.	On board sine wave generator of variable amplitude (0.5) and frequency (1KHZ-20KHZ).		<input type="checkbox"/> YES / <input type="checkbox"/> NO	
2.	On board carrier generator with 5 step frequency select switch.		<input type="checkbox"/> YES / <input type="checkbox"/> NO	
3.	Carrier signal of 2KHZ, 4KHZ, 8KHZ, 16 KHZ, 32KHZ.		<input type="checkbox"/> YES / <input type="checkbox"/> NO	

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4.	Pulse width select dip switch for PWM experiments.		<input type="checkbox"/> YES / <input type="checkbox"/> NO	
5.	Unipolar and Bipolar PAM modulation.		<input type="checkbox"/> YES / <input type="checkbox"/> NO	
6.	PWM and ppm modulation using 555 timer IC.		<input type="checkbox"/> YES / <input type="checkbox"/> NO	
7.	Amplitude Modulation and Demodulation trainer kit.		<input type="checkbox"/> YES / <input type="checkbox"/> NO	
8.	RF Generator	Colpitts oscillator generator 1 MHZ frequency to use a carrier signal.	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
9.	AF Generator	Low frequency signal 2 KHZ is generated and send as the modulation signal.	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
10.	Power supply	On board power supply provided +12 V, -12V and current rating 150 Ma each.	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
11.	Modulation	Amplitude modulation using BC107 transistor (NPN).	<input type="checkbox"/> YES / <input type="checkbox"/> NO	

FM MODULATION-DEMODULATION TRAINER KIT

1.	AF Generator	Generates low frequency signal of 500HZ and 5 KHZ to be as a Modulating signal.	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
2.	Regulated power supply	On board power supply provided +12V, -15 V, +5V, -5V and current rating 150 Ma each.	<input type="checkbox"/> YES / <input type="checkbox"/> NO	

AM MODULATION-DEMODULATION TRAINER KIT

1.	Modulation	Frequency modulation using k-2206 with frequency of operation can be selected externally over a range of 0.01 HZ to more than 1 MHZ.	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
2.	Demodulation	Frequency demodulation using general purpose PLLM56.	<input type="checkbox"/> YES / <input type="checkbox"/> NO	

WOODEN PODIUM (5 FEET)

1.	Width	Minimum 25 inches	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
2.	Depth	Minimum 18 inches	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
3.	Height	Minimum 48 inches	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
4.	Material	Engineered Wood	<input type="checkbox"/> YES / <input type="checkbox"/> NO	

SECTION IV – QUALITY CONTROL REQUIREMENTS

5.	Finish	Plain Laminated	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
6.	Colour	Brown	<input type="checkbox"/> YES / <input type="checkbox"/> NO	
7.	The offered podium shall be suitable for delivering speeches, presentations, debates, extempore, lectures, etc for all kinds of official events and cultural functions like conferences, meetings, debate competitions, lectures in colleges, speeches in large auditoriums.		<input type="checkbox"/> YES / <input type="checkbox"/> NO	
We agree to provide Installation/Demonstration/Assembly etc. if any applicable/necessary for the items in tender.			<input type="checkbox"/> YES / <input type="checkbox"/> NO	
Note: Acceptance to deviations shall be at sole discretion of BNPM. In case of non-acceptance of deviations, bid is liable to be rejected. Interested bidders may get pre-clarifications to deviations from BNPM prior to submission of bid to avoid rejection of bids at a later stage.				

B) COMMERCIAL COMPLIANCE STATEMENT

Sl. No.	Features	Requirements of BNPMIPL, Terms & conditions	Whether Agreed by the firm	Deviation, if any
1	Payment Terms	As mentioned in Sl.No.3 of Section II	Yes agreed	
2	Liquidated Damages	As mentioned in Sl.No.6 of Section II	Yes agreed	
3	Risk Purchase	As mentioned in Sl No.18 of Section II	Yes agreed	
4	No. of pages	Total number of pages in Technical Bid		

SECTION V – DECLARATION

ANNEXURE – A

e-Tender No: BNPM/OTE/490/2025-26 dated 30.01.2026.

(To be submitted on the letterhead)

- I) *Any bidder from a country which shares a land border with India will be eligible to bid in the tender only if the bidder is registered with the Competent Authority (The Registered Committee constituted by the Department for Promotion of Industry and Internal Trade).
- II) Bidder means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms, or companies), every artificial judicial person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person participating in a procurement process.
- III) “Bidder from a country which shares a land border with India” for the purpose of this order means:-
- a) An entity incorporated, established or registered in such a country; or
 - b) A subsidiary controlled through entities incorporated, established or registered in such a country, or
 - c) An entity substantially controlled through entities incorporated, established or registered in such a country, or
 - d) An entity whose beneficial owner is situated in such a country; or
 - e) An India (or other) agent of such an entity; or
 - f) A natural person who is a citizen of such a country; or
 - g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.
- IV) The beneficial owner for the purpose of (iii) above will be as under:-
- 1) In case of a company or limited liability partnership, the beneficial owner is the natural person (s), who, whether acting alone or together, or through one or more judicial person, has a controlling ownership interest or who exercise control through other means.

Further explanation:

- a) “Controlling ownership interest” means ownership of or entitlement to more than twenty five per cent of shares or capital or profits of the company;
- b) “Control” shall include the right to appoint majority of the director or to control the management or policy decision including by virtue of their shareholding or management rights or shareholder agreements or voting agreements;

SECTION V – DECLARATION

- 2) In case of partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more judicial person, has ownership or entitlement to more than fifteen percent of capital or profits of the partnership;
 - 3) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more judicial person, has ownership or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
 - 4) Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 - 5) In case of a trust, the identification of beneficial owners(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- V) An agent is a person employed to do any act for any another, or to represent another in dealings with third persons.
- VI) The successful bidder shall not be allowed to sub contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.
- VII) A bidder is permitted to procure raw material, components, sub-assemblies etc. from the vendors from countries which shares a land border with India. Such vendors will not be required to be registered with the competent authority, as it is not regarded as sub-contracting.
- VIII) However, in case a bidder has proposed to supply finished goods procured directly/indirectly from the vendors from the countries sharing land border with India, such vendor will be required to be registered with the competent authority.
- IX) The registration shall be valid at the time of submission of bid and at the time of acceptance of bid.

SECTION V – DECLARATION

DECLARATION ON LAND BORDER SHARING

I have read the above clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I hereby certify that M/s is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that M/s fulfills all requirements in this regard and is eligible to be considered." (where applicable, evidence of valid registration by the Competent Authority shall be attached)

I, the undersigned, declare that the items,

- (i) **ASK-FSK Modulation-Demodulation Trainer Kit** originate in (Insert Country of Origin of the Offered Product).
- (ii) **Time Division and Multiplexing-Demultiplexing Trainer Kit** originate in (Insert Country of Origin of the Offered Product).
- (iii) **PAM, PWM, PPM Modulation-Demodulation Trainer Kit** originate in (Insert Country of Origin of the Offered Product).
- (iv) **FM Modulation-Demodulation Trainer Kit** originate in (Insert Country of Origin of the Offered Product).
- (v) **AM Modulation-Demodulation Trainer Kit** originate in (Insert Country of Origin of the Offered Product).
- (vi) **Wooden Podiums** originate in (Insert Country of Origin of the Offered Product).

Signature: _____

Name: _____

Designation: _____

Date: _____

Stamp of the Organization:

SECTION V – DECLARATION

ANNEXURE – B

e-Tender No: BNPM/OTE/490/2025-26 dated 30.01.2026.

(To be submitted on the letterhead)

DECLARATION

We do hereby declare that,

1. As on the date of submission of bid against this tender, we are not in the list of ineligible/ blacklisted/ banned/ debarred entity by SPMCIL/ BRBNMPL/ BNPMIPL/any government agency for participating in its tenders.

Further, we agree, in case we got blacklisted/ banned/ debarred by SPMCIL/ BRBNMPL/ BNPMIPL/any Government Agency, any time prior to finalization of tender/ contract, our bid shall not be considered for further evaluation/ award of order.

2. We do hereby declare that we have read and understood all terms and conditions of tender document including Technical Specification, Quality Control Criteria and confirm to abide to those conditions without any counter conditions.
3. The director/proprietor of the bidding firm are not closely related to BNPMIPL.

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:

SECTION V – DECLARATION

ANNEXURE – C

e-Tender No: BNPM/OTE/490/2025-26 dated 30.01.2026.

(To be submitted on the letterhead)

We, the undersigned, declare that we will automatically be suspended from being eligible for bidding in any tender with Bank Paper Mill India Private Limited, Mysore for the period of 12 months, if we are withdrawing our Bid during the period of bid validity (or) fail / refuse to furnish the performance security / execute the contract, if awarded.

Signature: _____

Name: _____

Designation: _____

Date: _____

Stamp of the Organization:

SECTION VI – PRICE BID FORMAT

Tender No.: BNPM/OTE/490/2025-26 dated 30.01.2026:

Sch. No	Item Description	UOM	Qty	Basic Unit Price	P&F, Freight, Transit Insurance & any other Charges (if any) per unit	GST@ _____ Amount	Unit price including P&F, Transit Insurance, Freight & GST	Total price inclusive of P&F, Transit Insurance, Freight & GST (F.O.R, BNPM, Mysuru)
				(INR)	(INR)	(INR)	(INR)	(INR)
A	B	C	D	E	F	G	H=E+F+G	I=H*D
1.	Supply of ASK-FSK Modulation-Demodulation Trainer Kit at Government Polytechnic, Malavalli.	Set	1	TO BE FILLED ONLINE IN E-TENDERING PORTAL ONLY				
2.	Supply of Time Division and Multiplexing-Demultiplexing Trainer Kit at Government Polytechnic, Malavalli.	Set	1					
3.	Supply of PAM, PWM, PPM Modulation-Demodulation Trainer Kit at Government Polytechnic, Malavalli.	Set	1					

SECTION VI – PRICE BID FORMAT

4.	Supply of FM Modulation-Demodulation Trainer Kit at Government Polytechnic, Malavalli.	Set	1	TO BE FILLED ONLINE IN E-TENDERING PORTAL ONLY
5.	Supply of AM Modulation-Demodulation Trainer Kit at Government Polytechnic, Malavalli.	Set	1	
6.	Supply of Wooden Podium (5 Feet) at Government Polytechnic, Malavalli.	No	4	
Total price for Supply of Communication Trainer Kits & Podiums at Government Polytechnic, Malavalli with freight, P&F, Transit Insurance and any other charges (F.O.R basis) (in Figures) (INR)				

Note:

1. This is a two-stage tender. Price bids of qualified bidders only will be opened for further evaluation.
2. Price bid is to be submitted online in e-tendering portal in **.xlsm** format only. Price submitted in any other format/place shall be ignored/rejected.