



KERALA PAPER PRODUCTS LIMITED
(A Government of Kerala Undertaking)

INVITATION TO TENDER

27/03/2024

To

Dear Sirs,

Inquiry No. : KPPL/CP/ELE/1875
Due Date: 02/04/2024
Email ID: tenders@kpplonline.in

We invite you to submit your quotation for the following goods by e-mail in PDF format indicating our Inquiry No. and due date to tenders@kpplonline.in before due date ie on 02/04/2024.

Sl.No.	Description	Unit	Qty
1	VFD 5.5KW MODULE W/O PANEL VARIABLE FREQUENCY DRIVE FOR 5.5 KW MOTR (WITHOUT PANEL) INPUT 3PHASE 415V 50HZ , OUTPUT 3PHASE, 0-415V, DETAILS AS PER ANNEXURE	NO	1

Terms of Delivery: Free Delivery at our KPPL Store.

Terms of Payment: Within 30 days after receipt subject to acceptance.

Delivery required in case of placement of an Order based on this enquiry: **Immediate**.

Your offer should be specific with following break-up:-

- | | | |
|-------------------|---|-------------------|
| 1. Basis of price | 4. GST | 7. Delivery Time: |
| 2. Basic Price | 5. Discount offered % | |
| 3. Excise Duty % | 6. Other charges%(Like
P&F, Freight etc) | |

Your offers should be mailed to tenders@kpplonline.in only otherwise offers will not be considered. You may please indicate the **tender number as the subject of the mail**.

Yours faithfully
For Kerala Paper Products Ltd

AUTHORISED SIGNATORY

Annexure to Indent No.: 2271 Item No.: 1

TECHNICAL SPECIFICATIONS AND SCOPE OF SUPPLY FOR 5.5 KW VARIABLE FREQUENCY DRIVE
(HEAVY DUTY) FOR CAP (WITHOUT PANEL)

SCOPE OF SUPPLY AND SERVICES

The scope of supply shall include supply of the new drive unit, operating and maintenance instructions, test certificates and trial test at site of AC variable frequency drives for the motor ratings indicated.

Application: ALUM metering Screw pump (Constant torque with high starting torque)
Motor Rating: 5.5 KW 1500 rpm

Variable Frequency Drive

Variable Frequency Drives shall be fully digital type microprocessor based, vector control

w) Capacity	: 5.5 KW (Normal Duty)
x) Input	: 415V \pm 10%, 3 Phase, 3 wire
y) Frequency	: 50Hz \pm 5%
z) Fundamental power factor	: Approximately 0.98.
aa) Output voltage	: 3 Ph, 0 to maximum input voltage
bb) Operating Control Panel	: Alphanumeric LCD display in plain English text
cc) Analogue inputs (Current signal)	: 4 to 20 mA, 1 AI (Speed Reference)
dd) Analogue outputs (Current signal)	: 4 to 20 mA, 2 AOs (Programmable)
ee) Parameter settings	: Digital parameter setting through soft touch key pad. Dip switches / selector switches not acceptable
ff) Relay outputs	: Preferably 2 nos. potential free relay outputs
gg) Protection	: Motor overheat protection, Motor single phasing protection, Momentary over-current protection, Overload protection, Over-voltage protection, Under voltage protection, Heatsink overheat, Braking resistance overheat protection, Stall prevention, Ground fault protection.

Scope of supply

- ix. VFD rated for line drive application.
- x. Protections if any required for the drive other than semiconductor fuse.
- xi. Isolation if required for analog inputs and outputs.
- xii. Assistance for commissioning of the drive



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The VF drive shall be suitable for installation at a maximum distance of 200 m from the motor

Special Notes:

19. The model nos. & ratings of the VFDs offered should be properly stated in the offer.
20. The technical specifications of the offered VFDs should be given in detail.
21. The product catalogue showing complete technical specification of the VFD offered should be enclosed with technical bid.
22. Variable Frequency Drive offered should be designed with Input Voltage rating: 415Volts, 3Phase, 50Hz with a voltage variation of $\pm 10\%$ on voltage and $\pm 5\%$ on frequency.
23. **Ambient temperature: 45 deg Celsius & Relative Humidity of 95%.VFD will be placed in non AC room. The offered drive shall be suitable for existing motors with class B insulation.**
24. The drive shall be suitable for all motors having starting torque of about 200% of rated torque or higher at starting.
25. One set each of Instruction – Configuration manuals (hard copy) to be supplied along with the drive.
26. All card used in VFD should be conformal coated.
27. The test certificates of the VFD to be submitted along with dispatch intimation of panel.
Performance Guarantee: Supplier shall provide performance guarantee for the drive including all components of drive, and any extra elements added to standard drive for 12 months from the date of commissioning or 18 months from the date of despatch.

Make of VFD: ABB, Yashkawa, Siemens, Fuji or any reputed make with proven industrial track record in Pulp and Paper sector. KPPL shall be free to select the make/supplier based on the credentials stipulated.

CONDITIONS OF TENDER

1. **Price** : It should be quoted item-wise with tax, duties etc. In case packing and forwarding charges are involved the same should be shown separately, if not it will be treated as inclusive. The rates quoted should be in words and figures invariably
 2. **Excise Duty, Cess & GST** (a) : Taxes should be shown separately, wherever applicable
(b) : Rates of taxes should be clearly indicated.
(c) : Excise duty & cess payable should be indicated separately with rates of duty/cess.
(d) : Other taxes should also be shown separately.
(e) : MODVAT is not applicable for our purchase.
- Note** (a): If duty/cess and taxes are not shown specifically it will be assumed that the rates quoted are inclusive of the same for all purpose. However in the event of an order arising out of the offer, break-up of taxes and duties to be shown separately in the invoice.
(b) : In case you are a SSI Unit/ Khadi and village industry, the same may be indicated with registration number and copy of the certificate.
3. **Basis of price** : The price should be quoted indicating either F.O.R Dispatching station or F O.R Destination basis. If no specific mention is made in your offer , price will be treated as FOR Destination.
 4. **Validity of offer** The tenders should be valid for a minimum period of 60 day from the due date.
 5. **Delivery period**: A firm delivery date/period should be indicated. Delivery period reckoned shall be treated from the date of release of purchase order.
 6. **Firm price** : In the event of order price shall be firm till complete execution of the order.
 7. **Payment terms**: Our payment term is within 30 days after receipt subject to acceptance of materials . Offers with other payment terms is liable to the rejected/cost loaded.
 8. **Correction and errors** : Quotation should be free corrections and errors.
 9. **Technical details of offer**: Manufacturers name, country of origin and brand/make of the materials offered must be clearly specified . Complete/detailed illustrated, literature must accompany all quotations
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10. **I.S Marking** : Contracts as a result of this tender enquiry will be only for stores having I.S. marking and in case I.S. marked articles are not available ,stores strictly confirming to IS specification. will be preferred.
 11. **Penalty** Penalty shall be imposed in the form of Liquidated damages at the rate of 0.5% per week or part thereof of the value of the goods for the delayed period beyond the stipulated delivery date in the order duly accepted by vendor. This recovery will be limited to 10% of value of goods without prejudice to the purchaser's other rights.
 12. **Rights of acceptance or rejection of tender** : KPPL does not bind itself to accept the lowest or any tender or assign any reason for non acceptance. It further reserves the right to accept any tender wholly or in part at its option. It also reserves to itself the right to take 25% more/less of material on any orders placed against this enquiry.
 13. **Acceptance of Full/part quantity** : Tenders should clearly mention whether the prices hold good when full quantity of enquiry is not ordered but only a part of it. Unless otherwise mentioned, it would be assumed that the rates hold good even for lesser quantities.



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14. **Vendors Registration No.**

: Please indicate in your quotation the registration No. allotted by us and its validity

15. **Non submission of offer:**

:In case you are unable to submit the offer against this tender, please send a regret letter to that effect.

16. **Submission of offer**

: The offers should be submitted by e-mail in PDF format indicating our Inquiry No and due date to tenders@kpplonline.in, before due date.

17. Price evaluation :

Shall be based on the terms and conditions mentioned in the tender. In case of any deviation in the terms and conditions or in the technical specifications or in any other, requirement. The Company reserves the right to reject the submitted bids or do the price

Evaluation based on the impact of the deviations in the bid, if any.