## THE MYSORE PAPE MILLS LIMITED, BHADRAVATHI

### **CALENDER OF EVENTS**

TENDER FOR Testing and calibration of Elecytrical relays and energy meters for

sensitivity and functionality

ensitivity and functionality	
Company's Name	THE MYSORE PAPER MILLS LIMITED
	Paper Town, Bhadravathi
TENDER REFERENCE	MPML/2023-24/IND000X, dated 20.09.2023
e-portal No.	MPML/2023-24/IND000X, dated 20.09.2023
DATE OF PUBLICATION OF TENDER	20.09.2023 @ 16 Hrs.
DOCUMENT IN E-PORTAL	as per e-procurement portal
LAST DATE AND TIME FOR	20/10/2023 @ 16 Hrs.
UPLOADING OF TENDERS (Both Part-A & Part-B)	as per e-procurement portal
DATE & TIME OF OPENING OF	22.09.2023 @ 16 Hrs.
TENDER (Part-A & B) in e proc portal	as per e-procurement portal
ADDRESS FOR COMMUNICATION	AGM (Materials)
	The Mysore Paper Mills Ltd.,
	Bhadravati-577 302.
	Karnataka State

TENDER FOR Testing and calibration of Elecytrical relays and energy meters for sensitivity and functionality

# ELIGIBILITY CRITERIA REQUIREMENTS FOR PARTICIPATION IN THE TENDER – Please refer ANNEXURE – I.

PRICE BID FORMAT - Please refer PART- II, ANNEXURE - II.

The Mysore Paper Mills Ltd., Bhadravati-577302, Karnataka State (Factory) invites tenders from eligible tenderers for **Testing and calibration of Electrical relays and energy meters for sensitivity and functionality** 

Tender documents may be downloaded from e-procurement portal <a href="kppp.karnataka.gov.in">kppp.karnataka.gov.in</a> from Karnataka e-Procurement portal for a non-refundable tender document fee as prescribed by e-portal. Interested tenderers may obtain further information at the same address. The Mysore Paper Mills Ltd., Bhadravati-577302, Karnataka State will not be held responsible for delay if any in submitting the offer within the scheduled time.

Tenders must be accompanied by Bid Security of the amount specified in the tender document, Earnest Money Deposit, of Rs. **7000/- to be paid as per e-portal** will have to be in any one of the option specified in the e-portal and will be valid for 90 days beyond the validity of the tender. Approximate estimated value of contract is for **Rs. 340000/-**.

Tenderers have to submit the EMD amount as stipulated in the e-portal

The Tenderers are advised to offer best possible lowest rates. In case lowest offered rates are reasonable considering the prevailing conditions, the Contract may be awarded to the lowest

bidder. However, MPM reserves the right to negotiate with the lowest bidder. MPM also reserves the right either to cancel the Tender or to opt for re-tender.

MPM reserves the right to reject any or all the Tenders at its own discretion without assigning any reason whatsoever.

Tenders must be uploaded to the E-PORTAL. Part - I (Technical Pre-qualification Bid) and Part- II will be opened on the scheduled date and time on Karnataka kppp portal. Other details can be seen in the tender documents. Both PART-I AND II Will be opened on the same day (Single cover system)

## 8. <u>INVITATION / INSTRUCTIONS FOR TENDERS (IFT)</u>

ELIGIBILITY CRITERIA REQUIREMENTS FOR PARTICIPATION IN THE TENDER – Please refer ANNEXURE – I.

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AGM(matls)i/c.

## THE MYSORE PAPER MILLS LIMITED BHADRAVATI-577 302 KARNATAKA STATE, INDIA.

Telephones: 9008357744 Fax: 08282-270937

E-mail: mpmpurchase@gmail.com MPM Website: www.mpm.karnataka.gov.in

## E-TENDER FOR Testing and calibration of Electrical relays and energy meters for sensitivity and functionality

## E-TENDER FOR Testing and calibration of Electrical relays and energy meters for sensitivity and functionality.

- 1. Scope of the work: Testing and calibration of Electrical relays and energy meters for sensitivity and functionality, the detailed scope is at para 22.
- 2. Quantity: Please refer Price Format enclosed herewith (PART-II).
- 3. Work Execution Location: MPM site.
- 4. Inspection: Inspection by MPM officials.
- 5. Work Completion / Duration Time: 15 days.
- **6. Transportation**: Transportation of items required to carryout the work is in the scope of the tenderer from Electrical sub station/Central stores/sub stores/any locations as required to carry out the work.
- **7. Validity of offer: 30** days from the last date of submission of offer as stipulated in e procurement portal.
- 8. Rates: As per Price Format.

#### 9. General Conditions:

- a) Agency is responsible for Testing and calibration of Electrical relays and energy meters for sensitivity and functionality as per MPM's working schedule. MPM will maintain the record of attendance of the person and in case of absence of them, agency shall arrange for alternate equivalent persons to carry out the work during their absence. If alternate arrangements are not made such absences are liable for deduction of amount from the agency's bills on pro-rata basis.
- b) Reliever engineers attending services when regular engineers go on leave, shall come with insurance, 2 passport size photos and work order photo copy to submit to MPM security office to get permit/pass.
- c) Agency shall comply with the Employee State Insurance (ESI) Act, Provident Fund (PF) Act and any other workmen related Acts as per the statutory requirement for the workmen who work under this tender.
- d) The general Conditions attached as Annexures for financial Compliance documents and other applicable terms and conditions also shall be part of this tender.

- e) Records and documents pertaining to workmen deployed shall be submitted to the Security Staffs.
- f) Bill will be cleared only on production of documentary evidence for having carried out the work. Payments will made by the agency and subject to certification by the concerned Department.
- g) All the Bills for the work carried out to be submitted to the Bill Certifying Authority in Quadruplicate for verification and certification. Bills found in order will be certified by the Bill Certifying Authority and Bill Counter Signing Authority and forwarded to Finance Division for arranging payment.
- h) The Contractor is required to deposit a Demand Draft or Bank Guarantee in the prescribed Format in favour of MPM within FIFTEEN days on award of the Contract towards Security Deposit equivalent to 2.0% of awarded Contract Value. The BG shall be valid for full Contract Period and additional extension period, if any.
- In the event, the Contractor fails to furnish BG or DD towards Security Deposit, bill
  of the Contractor for the respective month would be held up till the Security Deposit
  is furnished.
- j) Any unpaid Claims, Dues, Debts, Penalties etc., payable by the Contractor to the Company will be recovered by invoking the BG submitted by the Contractor.
- k) The Security Deposit will not attract any interest during the tenure of the Contract.

#### 10. FORCE MAJEURE: -

Neither party shall be held responsible for any losses, if the fulfillment of any terms or provisions of the Work order / Contract are delayed or prevented by an act of "Force Majeure" event.

For purposes of this Clause, "Force Majeure" means an event beyond the control of the Party and not involving the Party's fault or negligence and not foreseeable. Such events may include, acts of Acts of God, Acts of Lawful Government Resolutions or Order, Wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes and with out limiting to the foregoing any other causes which are not within the reasonable control of the Party affected, and which by the exercise of reasonable delinquency, is unable to prevent all the clause or clauses.

The party claiming occurrence of any event under Force Majeure shall give Notice within fifteen days to the other in writing in the event of instance of any Force Majeure circumstances, failing which, the party shall not be entitled to any benefits under this clause.

Unless otherwise directed by the other party in writing, the affected party shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall explore all reasonable alternative means for performance not prevented by the Force Majeure event.

11) In case the Contractor fails to execute the work as per the terms and conditions, the Management reserves the right at its discretion to levy suitable penalty or to cancel the work order at Contractor's risk and cost or to get the same work done Departmentally or by any other Agency, loss or extra expenditure incurred in such, an event shall be debited to Contractor's account. The non-satisfactory work on the part of the Contractor will lead to blacklisting of the Contractor.

#### 12. NON-COMPLIANCE OF OTHER TERMS AND CONDITIONS:

- a) In case the Contractor abandons/ discontinue the Contract within the validity of the Contract period the MPM Management has the right to get the same work done by any other Agency at the cost and risk of the Contractor. The Loss or extra expenditure suffered in such event shall be debited to the Contractors Account in addition to forfeiting the Security Deposit.
- b) In default or breach of Contract Terms & Conditions, the Security Deposit is liable for forfeiture.
- c) The MPM reserves the right to terminate the Contract by giving week notice for reasons of unsatisfactory performance of Contract or malpractice.
- d) Un-satisfactory Performance of the Contract may also lead to black listing of the Contractor.
- e) If Wages are not disbursed to the workmen on or before 10<sup>th</sup> of every month (or on the previous day in case **10<sup>th</sup>** happens to be Sunday or Holiday) a Penalty of Rs.500/- per day Lumpsum would be levied to the Contractor.
- f) The Statutory benefits have to be extended to the workmen by the agency and the payments are to be made to the concerned authorities as per the following schedule:
  - PF to be paid on every month to each workmen
  - ESI to be paid on or before 20<sup>th</sup> of every month.
  - GST to be paid on or before 05th of every preceding month
  - In case the Contractor fails to pay any of the above said statutory payments within the due date prescribed a penalty as per existing rules shall be imposed. This is in addition to recovery of fine / damages to be levied as per the relevant Acts.
  - Improper turnout will be attracting penalty at the discretion of the Bill certifying Authority. For any other Violation or Default or issues if committed by the Contractor a will be penalized/levied depending on the nature and magnitude of the default / violation of other issues. The Committee will submit report to the MD whose decision is final and binding on the Contractor.

## 13. SETTLEMENT OF DISPUTES: -

In the event of any Controversy, Claim, Question or Dispute arising between the Contractors on any matter, relating to the Contract or arising out of the breach thereof the Parties thereto shall use their best efforts to settle such Question, Dispute or difference amicably by mutual negotiations / mediation and Management is not liable for any default committed by the Contractor. In case mediation fails to resolve the Dispute, the matter to be taken up in Civil Courts of Law. The Legal Jurisdiction will be Bhadravathi, Karnataka State.

### 14. STATUTORY REQUIREMENTS TO BE FOLLOWD BY THE AGENCY:

- i. The Agency will be solely responsible for any accidents/injuries to such workmen in the course of their duties and will adhere to all regulations in respect thereof, such as reporting to proper authorities about the accidents and treatment of the injured and its expenses. The Agency shall be responsible to reimburse the expenses incurred by the workmen in respect of medicines etc., to the workmen. The Agency shall contribute to ESIC Scheme as per the ESIC Act 1948 and shall ensure that all workmen employed by it are covered under this scheme.
- ii. The Agency shall be totally responsible for the compliance of the provisions of the statutory benefits mentioned below in respect of its Employees. Due to any default of the Agency, the Company shall in no way be held responsible for non-compliance by the Agency regarding the same. In case the Company is dragged into litigation due to the default of the

Agency, all costs due to such involvement will be recovered by the Company from the Agency out of their Bill. The Contractor should make provision to the following Statutory Benefits to all the Security Staff as per the Act.

- iii. The Agency shall also be responsible for Compensation for accidents and injuries under the Workmen's Compensation Act, 1936 for their workmen.
- iv. It is obligatory to to maintain proper Records and Documents under the Contract Labour (Regulation & Abolition) Act, 1970, Factories Act 1948 and other applicable labour Laws by the Contractor. Agency is also required to maintain the Register of workmen, Muster Roll, Attendance Register, Wage Register, extra Duty Hours Register and Register of Fines etc., to be certified by the Employer.
- v. This document does not give exclusive right to the Contractor over the work. In case of urgency, exigency or contingency, the Management reserves the right to split, re-allocate among other agencies or rescind the work order partially or totally at the discretion of the Management.
- vi. The Contractor is responsible for injury or injuries to MPM personnel caused by his men and pay for all the expenditure towards the treatment of such injured persons.
- vii. However, MPM shall not be responsible for any loss or injuries sustained by Contractor or his Employees of their own negligence or otherwise. Care should be taken to see that the surrounding Equipments, Buildings etc., are not damaged. In case of Loss or Damages, the cost shall be borne by the Contractor.
- viii. The Contractor shall ensure that personnel employed by him are confined to the working spot allotted to them.
- ix. The Entry / Exit of the Contractor's Employees / Security Staffs shall be only as per the direction of the Bill Certifying Authority and against Permit issued. The physical checking of personnel, as necessary shall be done while leaving work places.
- x. The Contractor shall obtain necessary Passes from the Security Officer for his Security Staff or Employees.
- xi. The Contractor should not engage Security Staff below 18 years and above 60 years.
- xii. The Agency must observe all safety measures/ arrangement attending to above work. Any Safety appliances required as per advice of Safety Engineering Department should be provided by the Agency at his cost.

#### 15. RIGHT OF FORE CLOSURE: -

MPM reserves the right to foreclose the Work Order at any time without assigning any reason. The transaction will be closed by settling the accounts up to the date of foreclosure of the Order and no extra claims shall be entertained by MPM for such closure of the Order.

#### 16. **SAFETY REGULATIONS:**

The Contractor will observe all statutory and legal requirements by the Central and State Governments applying to the work as well as any local regulations applying to the site issued by the Owner or any other Authority. In case of accident, the Owner shall be informed in writing forthwith. The Contractor shall strictly follow regulations laid down by the Factory Inspector, Government and statutory agencies.

#### 17. Payment Terms:

No advance payment will be made. Payment will be made only after the completion of the work against certification from certifying authority as mentioned in our scope of work. The exact format and style of report will be furnished to the agency by MPM. At the time of payment of bills any dues/ recoveries towards delay on agency's part will be recovered from these bills.

The agency is responsible to Make ESI/PF to the workmen who work in this contract and MPM is not responsible for the same, the agency has to produce the ESI/PF remittance to the workmen while passing the Bill.

#### 18. Bill Counter Signing / Certifying authority:

The concerned agency to submit their Invoice in Triplicate containing the details of the manpower deployed. The exact format of the report will be given by MPM.

#### 19. GST

The Quoted rates shall be exclusive of GST applicable from time to time. The new Finance Bill GST is effective from 01-07-2017. The applicable GST to be indicated separately in the offer, otherwise, the amount indicated in the offer is considered inclusive of GST. The agency to provide PAN no . If not provided 20 % Bill amount will be deducted at source.

### 20. Fore closure of Contract.

In the event MPM decides to not to continue with the contract due to various reasons viz, Technological up gradation, stoppage of the plants and activities, MPM reserves the right to foreclose the contract with Pro-rata payment to the agency for the work carried out till the date of foreclosure. In this regard MPM decision is final and binding on the part of the contract

- a) The Contractors are strictly abide by the payment of Minimum Wages as applicable to Government of Karnataka for workmen and any Quote less than the Minimum wages liable for rejection.
- b) The above requirements may be revised by the company from time to time. The agency agrees not to raise any dispute on this. Agency shall provide extra persons, if required by the company at the same rates at short notice within short interval.
- 21 The agency should have carried out similar work of calibration and testing of electrical equipments. Proof should be uploaded to the bid document in support of Prequalification. The lowest bidder (L-1) need not be taken for award criteria if they do not have the requisite experience. Hence, L-1 bidder should not claim as a right for award of contract.
- 22. SCOPE OF WORK FOR Testing and calibration of Electrical relays and energy meters for sensitivity and functionality. The list of relays & energy meters is enclosed at Annexure-III

#### Detailed scope of work:

- 1 Visual inspection or relays and all connection points checked for tightness
- 2 Control function (opening and closing of circuit backers)
- 3 Protection, functions and trip tikes
- 4 Logic function
- 5 Relay binary and analogue inputs/ outputs
- 6 Insulation resistance testing
- 7 Primary injection testing
- 8 Electro mechanical Relay test report to be furnished
- 9 Calibration, Testing and minor adjustment of different types of protective relays & energy meters
- 10 AS per electrical inspectorate newly calibrated report should be furnished.

#### NOTE:

1) Contractors are requested to visit the work spot and get the clarification of the scope of work by use dept. i.e., AGM (PB) before submitting the quotation.

- 2) Sealed offers super scribing tender reference and name of the work on the sealed envelop should reach the office of AGM ( Projects, Matls, CE &TS) on or before 11.30 AM. On 15/6/2023.
- 3) The Quoted rates shall be exclusive of GST.
- 4) If contractor fails to carry out the work within the scheduled time and up to the satisfaction of the user department,
- 5) MPM reserves the right to get the work done by others and back charge the same to the contractor and the contractor may be black listed as per the discretion of the MPM management.

## Other conditions:

- a) To mobilize required manpower and supervise the work till the completion/commissioning of the system. Duration to complete the work is 30 days.
- b) Tools and tackles, safety equipment's are of contractor's scope.
- c) Contractors should look after the safety of the workmen, and provide required safety protection equipment's & insure their workmen before taking up any work inside the Mills and should comply with PF Act, insure his workmen and adhere to all Mills safety procedures while on work.
- d) All debris to be transported to the designated place and to clean the area after completion of the work.
- e) Contractors are required to cover their workmen under the Employees State Insurance Corporation (ESI) and Provident Fund Act and furnish the ESI & PF Code No.
- f) If the above condition is not complied by the contractor, any amount to be paid towards fee/ contribution/ fine etc., shall be borne by the contractor and MPM will not have any responsibility.
- g) Also in respect of work men who work under this contract it is the contractor's responsibility to familiarize and abide by the statutory obligations like Act / Rules / Clauses etc., which are in force and / or as amended /modified from time to time by state / central government of relevant departments. Contractor to pay the minimum wages to the workmen who works in this contract as per Labour department.
- h) The responsibilities of the safe custody of tools issued to the personnel rests with the agency.

I agree and here by given my consent for all the details/ clause of contract in full

Signature of contractor

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				S & ENERGY METERS		
SN	RELAY	TYPE	MAKE	USTICIZING PLANT ) SERIAL NO	MODEL NO	QTY
01	Over current relay (Ext	CDG	English	M510690	CDG34FF8081D(M)	04
01	inverse)	CDG	electric	M510654	CDG34FF8081D(M) CDG34FF8081D(M)	04
	miverse)		electric	M510644	CDG34FF8081D(M) CDG34FF8081D(M)	
				M510673	CDG34FF8081D(M)	
				M510670	CDG34FF8081D(M) CDG34FF8081D(M)	
				M510686	CDG34FF8081D(M)	
				M510689	CDG34FF8081D(M)	
				M510660	CDG34FF8081D(M)	
02	Earth fault (Ext inverse)	CDG	English	MT10690	CDG34FF8081D(M)	02
02	Larui iauit (Ext inverse)	CDG	electric	WII 10070	CDG5411 0001D(W1)	02
03	Instantaneous Earth fault	CAG	English	M568703	CAG14AP16A	01
03	Instantaneous Earth fauit	CAU	electric	WI308703	CAGI4AI 10A	01
04	Over current relay (inverse)	CDG	English	97433198002	CDAG51EG8082BR[M]	06
04	Over current relay (miverse)	CDG	electric	13005230043001	CDG31E8082D[M]	00
			Ciccuic	M614918	CDG51E8082D[M] CDG51G1022RCH	
				M469344	CGA65PEG1022R [M]	
				M518305	COA031E01022R [W]	
				M469331		
				M518305		
05	Instantaneous Earth fault	CAG	English	97433198001	CDAG51EG8082BR [M]	03
03	Instantaneous Earth fauit	CAG	electric	13005230043001	CGA65PEG1022R [M]	03
			electric	M469331	COA03FE01022K [M]	
				WI409331		
06	Earth fault (inverse)	CDG	English	M614918	CDG31E8082D[M]	01
00	Earth fault ( lifverse)	CDG	electric	WI014318	CDG31E8082D[W]	01
07	Percentage differential relay	DDT	English	M469344	DDT32EG262A	03
07	refeelitage differential relay	ושם	electric	WI403344	DD132EG202A	03
				ATER WORKS		
01	Over current relay	CDG	English	M510615	CDG34FF8081D[M]	14
01	(EXT.inverse)	CDG	electric	M510613 M510613	CDG54FF808FD[M] CDAGS1FF122ZR[M]	14
02	Earth fault (EXT. inverse)	CDG	English	98100971001	CDG31FF171B5	07
02	Earth fault (EXT. liverse)	CDG	electric	M510617	CDG3111171B3	0,
			electric	M510617 M510614		
				M510642		
				M510572		
03	Instantaneous Earth fault	CAG	English	M510696	CAG14AF15A	01
03	Instantaneous Lartii iauit	CAG	electric	WI310070	CAGI+AI 13A	01
	<u> </u>			ATER WORKS	<u> </u>	
01	Over current relay (inverse)	CDG	English	M614922	CDG31EG8082D[M]	06
O1	over current relay (miverse)		electric	M469337	CDG51EG8082BR[M]	00
02	Earth fault (inverse)	CDG	English	M518303	CDG31EG8082D[M]	01
02	Latin radit ( Inverse)		electric	1,101000	CDG31LGG002D[W]	01
03	Instantaneous Earth fault	CAG	English	M518303	CDAG51EG8082BR[M]	02
0.5	mstantancous Larui lauit		electric	141210303	CD/1GJ1LG0002DIK[W]	02
04	Trip circuit supervision	VAX	English	M518354	VAX31ZG8004B[M]	02
04	Trip eneant super vision	VAA	electric	M518354 M518351	VAASIZOOOU4D[W]	02
05	Tripping relay	VAJ	English	M518329	VAGH13263B	01
0.5	Tripping relay	Y /\J	Engusii	1913 1 03 4 7	VAGIII3203B	01
				ETP		
01	Over current relay (inverse)	CDG	English	98111494001	CDG31FF171B5	10
U1	Over current relay (inverse)	CDO	electric	98111494001	CDG31FF1/1B3 CDG34FF8081D[M]	10
02	Earth fault (inverse)	CDG	English	98111494004		05
02	Latai idait ( inverse)	CDG	Lugusu	701111777002		03

			electric	M553929		
				M553926		
				M510612		
				M510611		
				M510576		
				M553927		
				MFF3930		
03	Instantaneous Earth fault	CAG	English	M553931	CAG14F15A	01
			electric			
			OLI	MILL		
01	Over current relay (inverse)	CDG	English	M518312	CDAG51EG8082BR[M]	06
	• ` ` '		electric	M469320	CDG31FF171B5	
02	Earth fault (inverse)	CDG	English	M507033	CDG31EG162D5	03
			electric	M469327		
0.2	T 4 C 1	G A G	D 1: 1	3.6510212	CD A CC11 CO000 DD D C	0.1
03	Instantaneous Earth fault	CAG	English	M518312	CDAG51EG8082BR[M]	01
0.4	m · · ·	X7.4.X7	electric	14460200	V A V 2177 C 0 0 0 A D D A D	00
04	Trip circuit supervision	VAX	English	M469398	VAX31ZG8004B[M]	02
05	Tripping relay	VAJ	electric English	M469399 M516337	VAJ13ZG63B	02
US	rripping relay	v AJ	English electric	M516337 M518336	VAJ13ZG03B	02
			electric	M1316330		
			P	M-4		
01	Over current relay (inverse)	CDG	English	M510575	CDG31FF171B5	06
			electric	M510679	CDG34FF8081D[M]	
02	Earth fault (inverse)	CDG	English	M540678		03
			electric			
03	Over current relay	CDG	English	M510677		
	(EXT.inverse)		electric	M510676		
04	Earth fault (EXT. inverse)	CDG	English			
			electric			
05	Instantaneous Earth fault	CAG	English electric	M526779	CAG14AF15A	
			electric			
				PM 2		
01	Over current relay (inverse)	CDG	English	M510579	CDG31FF171B5	02
			electric			
$\Omega$	Earth fault (inverse)	CDG	English			01
02			electric			
02	Over current relay	CDG	English	M510672	CDG34FF8081D[M]	06
03					CDC24EE101DE	
03	(EXT.inverse)	ar -	electric	M507003	CDG34FF181D5	
	Earth fault (EXT. inverse)	CDG	English	M507007	CDG34FF181D3	03
03		CDG		M507007 M510665	CDG34FF181D3	03
03	Earth fault (EXT. inverse)		English electric	M507007 M510665 M507006		
03		CDG	English electric English	M507007 M510665	CAG14AF15A	03
03	Earth fault (EXT. inverse)		English electric	M507007 M510665 M507006		
03 04 05	Earth fault (EXT. inverse)  Instantaneous Earth fault	CAG	English electric  English electric  110 KV INC	M507007 M510665 M507006 M507009	CAG14AF15A	01
03 04 05 SN	Earth fault (EXT. inverse)  Instantaneous Earth fault  RELAY	CAG	English electric  English electric  110 KV INC	M507007 M510665 M507006 M507009 COMER SIDE SERIAL NO	CAG14AF15A  MODEL NO	01 QTY
03 04 05	Earth fault (EXT. inverse)  Instantaneous Earth fault	CAG	English electric  English electric  110 KV INC	M507007 M510665 M507006 M507009	CAG14AF15A	01
03 04 05 SN 01	Earth fault (EXT. inverse)  Instantaneous Earth fault  RELAY	CAG	English electric  English electric  110 KV INO MAKE English electric English	M507007 M510665 M507006 M507009 COMER SIDE SERIAL NO	CAG14AF15A  MODEL NO	01 QTY
03 04 05 SN 01 02	Earth fault (EXT. inverse)  Instantaneous Earth fault  RELAY  Under voltage definite time  Fuse failure	CAG TYPE VTUM VAPM	English electric  110 KV INO MAKE English electric English electric	M507007 M510665 M507006 M507009 COMER SIDE SERIAL NO 90037328002 M489023	CAG14AF15A  MODEL NO VTUM21AFD21A  VAPM31AF1A	01 QTY 01 01
03 04 05 SN 01	Earth fault (EXT. inverse)  Instantaneous Earth fault  RELAY  Under voltage definite time	CAG TYPE VTUM	English electric  110 KV INO MAKE English electric English electric English electric English	M507007 M510665 M507006 M507009 COMER SIDE SERIAL NO 90037328002	CAG14AF15A  MODEL NO VTUM21AFD21A	01 QTY 01
03 04 05 05 SN 01 02 03	Earth fault (EXT. inverse)  Instantaneous Earth fault  RELAY  Under voltage definite time  Fuse failure  definite time reverse power	CAG  TYPE VTUM  VAPM  CCUM	English electric  110 KV INO MAKE English electric English electric English electric English electric	M507007 M510665 M507006 M507009 COMER SIDE SERIAL NO 90037328002 M489023 M488994	CAG14AF15A  MODEL NO VTUM21AFD21A  VAPM31AF1A  CCUM31PF1A	01 QTY 01 01
03 04 05 SN 01 02	Earth fault (EXT. inverse)  Instantaneous Earth fault  RELAY  Under voltage definite time  Fuse failure	CAG TYPE VTUM VAPM	English electric  110 KV INC MAKE English electric English electric English electric English electric English electric	M507007 M510665 M507006 M507009 COMER SIDE SERIAL NO 90037328002 M489023	CAG14AF15A  MODEL NO VTUM21AFD21A  VAPM31AF1A	01 QTY 01 01
03 04 05 SN 01 02 03 04	Earth fault (EXT. inverse)  Instantaneous Earth fault  RELAY Under voltage definite time  Fuse failure  definite time reverse power  MHO starting unit	TYPE VTUM VAPM CCUM YCG	English electric  English electric  110 KV INO MAKE English electric English electric English electric English electric English electric	M507007 M510665 M507006 M507009 COMER SIDE SERIAL NO 90037328002 M489023 M488994 M488990	CAG14AF15A  MODEL NO VTUM21AFD21A  VAPM31AF1A  CCUM31PF1A  YCG17BF13A	01 QTY 01 01 01 03
03 04 05 05 SN 01 02 03	Earth fault (EXT. inverse)  Instantaneous Earth fault  RELAY  Under voltage definite time  Fuse failure  definite time reverse power	CAG  TYPE VTUM  VAPM  CCUM	English electric  110 KV INC MAKE English electric English electric English electric English electric English electric	M507007 M510665 M507006 M507009 COMER SIDE SERIAL NO 90037328002 M489023 M488994	CAG14AF15A  MODEL NO VTUM21AFD21A  VAPM31AF1A  CCUM31PF1A	01 QTY 01 01

	1	ı	T 1		1	
07	Earth fault	CDG	electric English	M580657	CDG31FF17B5	01
07	Larur raurt	CDG	electric	W1300037	CDG311117B3	01
08	Out of step blocking	YCO	English electric	M488989	YCO31RF12B	01
09	AUXILIARY	VAA	English electric	M488985	VAA101FF8008PP[M]	01
10	Frequency relay	MFVUM		96124754001	MFVUM22D1AA0013A	01
11	SPAJ	140C	ABB	M97570145	RS6611006-AA	01
12	Over voltage relay	VTU	English electric	M89511	VTU21NGB8001A[M]	01
			Twoma	former LV side		
01	Directional earth fault	CDD	English	M509841	CDD21PF242B5	01
01	(inverse)	CDD	electric	141307041	CDD21112+2B3	01
02	Directional fault over current (inverse)	CDD	English electric	M509839	CDD21PF244A5	01
03	Tripping relay	VAJ	English electric	M489014	VAJH13YF62B	01
04	Auxiliary	VAA	English electric	M489017	VAA63BF8043B(M)	01
05	Trip circuit supervision	VAX	English electric	M488980	VAX31ZG8002B(M)	01
06	Instantaneous Earth fault	CAG	English electric	M489005	CAG14AF12A5	01
07	Stand by Earth fault	CAG	English electric	-	-	01
08	Over fluxing	GTT	English electric	-	-	01
09	Over current relay (inverse)	CDG	English electric	M489003	CDG61FF8082BX(M)	01
10	Transformer differential	DTH 31	English electric	-	-	01
11	Earth fault (inverse)	CDG	English electric	-	-	01
12	Tripping circuit Supervision	VAX	English Electric	M505813	VAX31ZG8004B(M)	01
13	Auxiliary Relay	VAA	English Electric	M453851	VAA13YF1B	01
14	Auxiliary Relay	VAA	English	M445447	VAA13YF1B	01
15	Auxiliary Relay	VAA	English Electric	M521895	VAA12YF2B	01
16	Auxiliary Relay	VAA	English Electric	M521896	VAA12YF2B	01
			a reeded	DEL AVG (EG HOUGE)		
SL	RELAY	TYPE	T FEEDER MAKE	SERIAL NO	MODEL NO	QTY
NO 01	Over current relay (inverse)	CDG	English electric	M469315 M469309 97030968003 M518295 M518309 97016966001 M469336	CDG31EG162D5 CDAG51EG102ZR[M] CDAG51EG8082BR [M]	12
02	Instantaneous Earth fault	CAG	English electric	97030968006 97030968003 M469536 97016966001 M518307	CDAG51EG102ZR[M] CDAG51EG8082BR [M]	06
03	Trip circuit supervision	VAX	English	M469394	VAX31ZG8004B[M]	06

			-14	M460402		
			electric	M469403		
				M845207		
				M469403		
				M469379		
04	Tripping relay	VAJ	English	M469354	VAJH13ZG63B	06
			electric	M469350		
				M469356		
				M469349		
					GARND TOTAL	158
SN	METERS	ТҮРЕ	ENER MAKE	GY METERS SERIAL NO	MODEL NO	QTY
01	KRYKARD	PLMQ4				06
01	RRTRARD	10	_	-	-	
	001100011		1			
02	CONZERV	EM6434	-	-	-	10
02	ENERCON	EM6434	-	-	-	10 02
		ER300P	L&T	02048060	- WR200BB11RS	
03	ENERCON				WR200BB11RS	02
03	ENERCON ELECTRONIC				WR200BB11RS  GRAND TOTAL	02

## THE MYSORE PAPE MILLS LIMITED, BHADRAVATHI

#### ANNEXURE - II

Tender Reference: MPML/2023-24/IND000X DATED 20.09.2023

TENDER FOR Testing and calibration of Electrical relays and energy meters for sensitivity and functionality

This format is for bidder's reference. IT IS MANDATORY TO SIGN THIS DECLARATION ON ANNEXURE-II, AND UPLOAD ALONG WITH PART-I OF THE DOCUMENT (TECHNICAL BID), FAILURE TO UPLOAD THIS ANNEXURE-II in Part-I IS LIABLE FOR REJECTION OF THE BID.

## To be submitted along with PART-I (Technical bid)

SI	JOB DESCRIPTION	UOM	Qty	Rate to quote	Value
1	Testing and calibration of electrical relays & Energy meter for sensitivity and functionality (Around 158 Nos. of equipments):  List of equipments enclosed as Annexure-III)	LS	LS		
2	GST @ 18%				
3	Total: Rs:				

Contractor's signature