

TENDER AT A GLANCE
WESTERN RAILWAY
Electrical (RS) Department

Tender No: DRM/RS/2025-26/25 dtd 11.06.2026

Name of Work: Repairing of 415V AC 3 ϕ motor and 110 V 1 ϕ motor used in EMU Rakes for the period of 02 years.

Approximate cost of work : Rs 13,16,329.52/-
Earnest Money : Rs. 26,300/-
Completion period : 24 months
Validity Offer : 60 days from the date of opening

Tender closing date : 06.07.2026 Time: 15.00 Hrs.

Tender Opening date : 06.07.2026 Time: 15.30 Hrs.

Website : www.ireps.gov.in

NON-TRANSFERABLE

Issued by: Sr. Divisional Electrical Engineer,
(Rolling Stock), Mumbai Central, Western Railway.

Issued to: -----

Sign of Tenderer

WESTERN RAILWAY
(ELECTRICAL ROLLING STOCK/ EMU-CARSHED)
(E-Open Tender)

The Divisional Railway Manager (Rolling Stock) EMU Carshed Mumbai Central Division, Western Railway, and Mumbai 400 034 for & on behalf of the President of India invites E-tenders for the following electrical work:

E-Tender No	DRM/RS/2025-26/25 dtd 11.06.2026
Name of Work	Repairing of 415V AC 3 ϕ motor and 110 V 1 ϕ motor used in EMU Rakes for the period of 02 years.
Estimated Cost of Work	Rs. 13,16,329.52/-
Earnest money deposit	Rs. 26,300/-
Completion Period	24 Months
Cost of tender document	NIL
Date & Time of Submission	Not later than 15.00hrs of 06.07.2026 in the prescribed manner
Date & time of opening	The tender will be opened at the office of Sr. Divisional Electrical Engineer (Rolling Stock), EMU Carshed, Mumbai Central, Mumbai – 400034 on date 06.07.2026 at 15.30hrs.
Website particulars	The tender can be viewed and submitted through website www.ireps.gov.in
Validity Offer	60 days from the date of opening.

Note:

- 1. Tender can be viewed and submitted through website www.ireps.gov.in only.*
- 2. Tender shall be required to deposit earnest money deposits in acceptable form as prescribed in tender document. Tenders not accompanied with Earnest money shall be summarily rejected.*
- 3. In case the date of submission/opening is declared as holiday by the central Govt. then the tender shall be opened on next working day in the same manner.*

Asst. Divisional Electrical Engineer (RS)
Western Railway, Mumbai Central,
Mumbai-400034
For & on behalf of PRESIDENT OF INDIA.

**ANNEXURE – I
WESTERN RAILWAY**

TENDER FORM (First Sheet)

Tender No. DRM/RS/2025-26/25 dtd 11.06.2026

Name of Work: Repairing of 415V AC 3 ϕ motor and 110 V 1 ϕ motor used in EMU Rakes for the period of 02 years.

To
The President of India
Acting through the Western Railway

I/We _____ have read the various conditions to tender attached hereto and agree to abide by the said conditions. I/We also agree to keep this offer open for acceptance for a period of 60 days from the date fixed for closing of the tender and in default thereof, I/We will be liable for forfeiture of my/our "Bid Security". I/We offer to do the work for Western Railway, at the rates quoted in the attached bills of quantities and hereby bind myself/ourselves to complete the work in all respects within **24 months** from the date of issue of letter of acceptance of the tender.

2. I/We also hereby agree to abide by the Indian Railways Standard General Conditions of Contract, with all correction slips up-to-date and to carry out the work according to the Special Conditions of Contract and Specifications of materials and works as laid down by Railway in the annexed Special Conditions/Specifications, Standard Schedule of Rates (SSOR) with all correction slips upto- date for the present contract.

3. A Bid security of ₹ **26,300/-** has already been deposited online/submitted as bank guarantee bond. Full value of the Bid security shall stand forfeited without prejudice to any other right or remedies in case my/our Tender is accepted and if:

- (a) I/We do not submit the Performance Guarantee within the time specified in the Tender document.
- (b) I/We do not execute the contract documents within seven days after receipt of notice issued by the Railway that such documents are ready: and
- (c) I/We do not commence the work within fifteen days after receipt of orders to that effect.

4. (a) I/We am/are a Start-up firm registered by Department of Industrial Policy and Promotion (DIPP) and my registration number is valid upto (Copy enclosed) and hence exempted from submission of Bid security .

5. We are a Labour Cooperative Society and our Registration No. is with and hence required to deposit only 50% of Bid Security.

6. Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.

Signature of Witnesses:

(1) _____

(2) _____

Signature of Tenderer(s)

Date _____

Address of the Tenderer(s)

SUMMARY OF INFORMATION PERTAINING TO TENDERER - (to be filled by tenderer)

Contact Details

Name of Contractor / Firm	
Contact Person with Designation (in case of Firms)	
District and State	
PIN	
Phone Number with STD Code	
Mobile No.	
E-Mail ID (If Any)	
PAN Card No.	

Tender Fee Details

Details of e-payment	Name & Place of Bank	Amount

EMD Details

Details of e-payment	Name & Place of Bank	Amount	Valid up to

Power of Attorneys, if applicable	
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Partnership Deed, if applicable

Partnership Deed Details	Name of Notary	Valid up to	Original submitted or not.

Joint Venture, if applicable

Joint Venture Details	Valid up to	Original submitted or not.

Previous Experience in Similar Work:

Name & Nature of work	Value of the Work	Completed	Date of Completion

The contractor may use additional page to furnish details if the space provided in this form is inadequate.
Necessary documents in support of the information about the experience will have to be enclosed.

Seal & Signature of Tenderer

SPECIAL CONDITIONS / SPECIFICATIONS OF CONTRACT

General

- 1) This work shall be governed under General Conditions of Contract attached along with Tender document & standard specifications amended with latest correction slips (issued from time to time) on the date of issue of NIT.
- 2) Where there is any conflict between these special conditions of the contract, on one hand, standard specifications & General Conditions of the Western Railway, on the other hand, the former shall prevail.
- 3) Any special condition stated by the tenderer(s) in the covering letter submitted along with the tender shall be deemed as part of the contract to such extent only as have explicitly been accepted by the Railway.
- 4) Earnest Money:

(1)(a) The tenderer shall be required to deposit Bid Security with the tender for the due performance with the stipulation to keep the offer open till such date as specified in the tender, under the conditions of tender. The Bid Security shall be as under:

Tender Value	EMD
Up to Rs.1crore	2% of the estimated cost of the work
More than Rs.1 crore.	Rs. 2 lakhs plus 1/2 % (half percent) of the excess of the estimated cost of the work beyond Rs. 1 crore subject to a maximum of Rs. 1 crore.

Note:

- (i) The Bid Security shall be rounded off to the nearest ₹100. This Bid Security shall be applicable for all modes of tendering.
- (ii) Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of Bid Security deposit detailed above.
- (iii) Labour Cooperative Societies shall deposit only 50% of above Bid Security deposit detailed above.

(b) It shall be understood that the tender documents have been issued to the tenderer and the tenderer is permitted to tender in consideration of stipulation on his part, that after submitting his tender he will not resale from his offer or modify the terms and conditions thereof in a manner not acceptable to the Engineer. Should the tenderer fail to observe or comply with the said stipulation, the aforesaid amount shall be liable to be forfeited to the Railway.

(c) If his tender is accepted this Bid Security mentioned in sub clause (a) above will be retained as part security for the due and faithful fulfilment of the contract in terms of Clause 16 of the Standard General Conditions of Contract. The Bid Security of other Tenderers shall, save as herein before provided, be returned to them, but the Railway shall not be responsible for any loss or depreciation that may happen thereto while in their possession, nor be liable to pay interest thereon.

2. The Bid Security shall be deposited either in cash through e-payment gateway or submitted as Bank Guarantee bond from a scheduled commercial bank of India or as mentioned in tender documents. The Bank Guarantee bond shall be as per Annexure-VIA and shall be valid for a period of 90days beyond the bid validity period.

3. In case, submission of Bid Security in the form of Bank Guarantee, following shall be ensured:

1. A scanned copy of the Bank Guarantee shall be uploaded on e-Procurement Portal (IREPS) while applying to the tender.
2. The original Bank Guarantee should be delivered in person to the official nominated as indicated in the tender document within 5 working days of deadline of submission of bids.
3. Non submission of scanned copy of Bank Guarantee with the bid on e-tendering portal (IREPS) and/or non submission of original Bank Guarantee within the specified period shall lead to summary rejection of bid.
4. The Tender Security shall remain valid for a period of 90 days beyond the validity period for the Tender.
5. The details of the BG, physically submitted should match with the details available in the scanned copy and the data entered during bid submission time, failing which the bid will be rejected
6. The Bank Guarantee shall be placed in an envelope, which shall be sealed. The envelope shall clearly bear the identification “**Bid for the ***** Project**” and shall clearly indicate the name and address of the Bidder. In addition, the Bid Due Date should be indicated on the right hand top corner of the envelope.
7. The envelope shall be addressed to the officer and address as mentioned in the tender document.
8. If the envelope is not sealed and marked as instructed above, the Authority assumes no responsibility for the misplacement or premature opening of the contents of the Bid submitted and consequent losses, if any, suffered by the Bidder.

5) Address for correspondence: -

- a) For all policy matter:
Sr. Div. Elect. Engg. (RS)
EMU Carshed, Western Railway,
Mumbai Central, Mumbai-400 034.
Email Id: srdeersbct1@gmail.com
Mobile No: 022-267644390
- b) After the award of contract and matters relating to progressing of work, scheduling of quantities and submission of Bills.
Sr. Div. Elect. Engg. (RS)
EMU Carshed, Western Railway,
Mumbai Central, Mumbai-400 034.
- c) For Security Deposits and Performance Guarantee
Sr. Div. Finance Manager,
DRM's Office, Western Railway,
Mumbai Central, Mumbai-400008.
- d) Associated Accounts (Paying Unit)
 - I. Sr. Div. Finance Manager,
DRM's Office, Western Railway,
Mumbai Central, Mumbai-400008
 - II. Sr. Div. Elect. Engg. (RS)
EMU Carshed, Western Railway,
Mumbai Central, Mumbai-400 034.
Email Id: srdeersbct1@gmail.com
Mobile No: 022-267644390

LEGAL VETTING FOR BANK GUARENTEE BOND

As per letter No. G/350 (policy) dated 14.09.2011 the revised stamp duty for Bank Guarantee bond is as under:

SN	Amount of guaranteed bond	Stamp duty payable
1	Where amount not exceed Rs.2500/-	One hundred rupees only/-
2	Where amount exceed Rs.2500/-	Five rupees for every one thousand rupees or part thereof for the amount secured by such deed, subject to minimum one hundred rupees and maximum ten lakhs' rupees.

SCOPE OF WORK AND TECHNICAL SPECIFICATION

1.0 Name of work: - Repairing of 415V AC 3 Φ motor and 110V AC 1 Φ motor used in EMU Rakes for the period of 02 years.

2.0 Place of Work: MMCT, KILE, & VR carshed

3.0 Quantity: As per SOR.

4.0 Scope of work:

The firm shall carry out repairing and installation work according to schedule which is specified below:-

4.1 Schedule A: Repairing of 415 V AC 3 Φ motor

- Defective motor jointly assessed by firm and railway representative and deficiency report to be made jointly.
- All types of 415V AC 3 motor have to repair with following steps and testing procedure

4.1.2 Rewinding

- For Procedure for Rewinding refers **RDSO SMI No. ELRS/SMI/003-2000(Rev.001) of Date 30th Nov,2000** or latest
- For Rewinding material refer **RDSO SMI No. ELRS/SMI/185-2000 (Rev.001) of Date 30th Oct,2000** or latest
- Striping of old winding and ensure for not to damage stators. Technical Data such as number of winds, thickness to be record.
- The rewinding wire shall be super Enameled Copper, dual coted of suitable gauge and conforming to IS 13730-part 13-1993.
- The wire in the new coils be the same thickness and have the same number of winds as the original windings. Enamel should not be damage while rewinding
- The slot wedge insulation should be epoxy glass fibers.
- Replace the insulation paper lining the stator if necessary
- After rewinding, the newly rewound coil is warmed in an oven, immersed in an epoxy varnish and baked in an oven at a temperature of approx. 300 degrees Fahrenheit for at least four hours.
- After re wound, motors are to be essentially given VPI (Vacuum Pressure Impregnation) treatment.
- 100% replacement of both DE & NDE end with appropriate bearing of manufacturer SKF,FAG or NBC
- Dynamic balancing or replacement of shaft to be done if required.
- Replacement of End shield cover to be done on condition basis.
- Ensure working of TOP (Thermal Overload Protection).
- Firm shall have to provide name and Date of rewinding (Month/year) on motor body.

4.1.3 Bearing Replacement

- Bearing of both DE & NDE end to be replaced with appropriate bearing of manufacturer SKF,FAG or NBC
- Winding or shaft should not be damage while replacement of bearing. If any damage noticed firm have to repair same on own cost.

4.1.4 Repairing of shaft

- Dynamic balancing to be done if shaft found unbalanced or bend.
- Worn out shaft to be replaced with new shaft. New shaft should be made of similar material and exactly similar in size to existing shaft.
- 100% replacement of both DE & NDE end with appropriate bearing of manufacturer SKF,FAG or NBC
- Winding should not be damage while replacement of bearing. if any damage noticed firm have to repair same on own cost.

4.1.5 Testing (refer: RDSO/PE/SPEC/AC/0089-2008 (Rev.0)

- Insulation test resistance test: Measure insulation resistance value of all leads with respect to ground.
- Winding Resistance test: Measure resistance value of winding. It should be same for all phase.
- HIGH voltage test: The motor should be tested for leakage current for one minute.

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- Run test: The motor should be run for one hour at no load.

4.2 Schedule B: Repairing of 110 V AC 1Φ motor

- Defective motor assessed by contactor and railway representative and deficiency report to be made jointly.

4.2.1 Rewinding

- Defective motor assessed by contactor and railway representative and deficiency report to be made jointly.
- The firm will collect the defective motor from VR/BCT/KILE CS as per requirement of Western railway.
- The worn out shaft to be fix and exactly similar in size to existing shaft on condition basis.
- Rewinding of stator Single phase winding for winding open, abnormal winding resistance value or winding grounded.
- 100% replacement of both DE & NDE end with appropriate bearing of manufacturer SKF, FAG or NBC.
- 100% replacement of bushing on motor body.

4.2.2 Repairing of shaft

- The worn out shaft will be pressed out from rotor carefully with shaft extractor. New shaft to be fix and exactly similar in size to existing shaft.
- 100% replacement of both DE & NDE end with appropriate bearing of manufacturer SKF, FAG or NBC.
- Winding should not be damage while replacement of bearing. if any damage noticed firm have to repair same on own cost.

4.2.3 Testing

- Run test- Repaired motor should be run on no load for minimum ½ hours in voltage range of 90-135Volt AC Single phase (50Hz). The temp rise should not be 20°C above ambient temp. There should not be any abnormal noise in bearings.
- IR test- should not be less than 20Mohm at 500V.

4.2.4 after all test the fans should be paint by smoke grey color. Firm shall have to provide name and Date of repairing (Month/year) on fan body.

5.0 General conditions:

1. The contractor shall arrange all necessary tools & measuring instruments required for execution of this work at his own cost.
2. The contractor should not cause damages to any equipment/Railway properties while execution of this work. If damaged, the same shall be got repaired by the contractor free of cost or cost or same will be recovered from contractor.
3. Temporary power supply, water supply, compressed air and space required in Railway premises during execution of work and testing etc. shall be arranged by Railway.
4. The contractor should not take out any material outside the workshop without prior permission of Railway.
5. Safety measures to be taken by the contractor for his staff for proper handling of materials & its components.
6. Firm have to ensure cleanliness of railway premises.
7. Collect motors in lots of maximum 10 numbers of 415v AC motor and 50 number of 110v AC motor.

6.0 Warranty

12 months of warranty for repairing of all types of Motor.

Handwritten signature

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Payment shall be made on Quarterly basis as per the actual work done.

8.0 Released Material:

Released material shall be handed over to the Railways with proper challan.

9.0 Penalty:

1. Firm have to return repaired (rewinding) motor within 10 days from date of carry away from shed. If fails to return, the contractor shall be liable to pay a penalty of ₹50 per day per motor.
2. Firm have to arrange to pick up the defective motor on prior information before 4days through mail, phone, memo letter, or any other agreed-upon communication method, Failure to do so will incur a penalty of ₹500 per day.
3. In case of any failures under warranty period, the contractor is obligated to address them within 7days from motor is available in any shed (BCT/KILE/VR) upon receiving a report through mail, phone, memo letter, or any other agreed-upon communication method. Failure to meet this requirement will result in a penalty of ₹500 per day which will be levied on the contractor.

10.0 Transportation:

The entire cost of transportation to and fro from respective carshed shall be borne by the contractor.

11.0 Inspection:

All the test and final inspection of repaired motor and assemble carriage fan will be done jointly by contractor and authorized representative of Railway. Also a Performa having detail repair work of motor for individual motor has to submit by firm.

12.0 Indemnity Bond:

An indemnity bond of ₹ 2, 50,000/- to be submitted by the successful tenderer before start of contract.

13.0 Completion period

Entire work period: **2 years**

Repairing period for motor: **10 days (from date of carry away from shed).**

14.0 Safety Norms to be followed by the contractor:

1. The contractor shall abide by all railway regulations in force from time to time and ensure that the same are followed by his workers, representative, agents or sub-contractors.
2. The staff/ employees deputed by the firm for the execution of said work shall be solely responsible for his/his safety during working and shall be fully aware with the necessary safety precautions and working rules to be taken while working in the carshed.
3. Safety instruction regarding work inside EMU carshed premises shall be scrupulously followed by contractor.
4. The Railway administration will not be liable to compensate or pay any kind of damages claimed by the Firm or its staff/employees in case of any loss of lives or other mishappening arising due to the occurrence of unforeseen events.

[Signature]

9000613/2026/O/o Sr. DEE/RS/ELEC/MMCT/WR
8557126/2026/O/o Sr. DEE/RS/ELEC/MMCT/WR

Name of work : Repairing of 415V AC 3Φ motor and 110V AC 1Φ motor used in EMU Rakes for the period of 02 years.

	Types of Motor	Description	Qty.	Unit	Cost per unit (Rs.)	Total Cost (in Rs.)	Rates ref
Schdule I : Repairing of Repairing of 415 V AC 3Φ motor							
1	415V AC 3Φ motor 1.1Kw/1.5HP RPM-1425±5 Insulation class-H IP:56 Current :2.5A	1A	Rewinding	30	No.	3435.88	103076.40
		1B	Bearing replacement	25	No.	1378.04	34451.00
		1C	Repairing of shaft	5	No.	1270.91	6354.55
2	415V AC 3Φ Motor 0.25KW/0.33HP RPM-1400 Insulation class-H IP:56 Current :0.8A	2A	Rewinding	30	No.	2342.31	70269.30
		2B	Bearing replacement	20	No.	720.43	14408.60
		2C	Repairing of shaft	3	No.	834.96	2504.88
3	415V AC 3Φ Motor, KW-0.75/ 1.0HP, RPM -2800, Current: 1.3 A , IP:56, Insulation Class -H	3A	Rewinding	6	No.	2696.99	16181.94
4	415V AC 3Φ Oil pump Motor 3HP Discharge-700LPM, Current-4.5A,Head -0.9 BAR, RPM-2850, Insulation class -H, IP:56	4A	Rewinding	6	No.	4257.54	25545.24
5	415V AC 3Φ Oil pump Motor 4HP Discharge -800LPM, Current-6.5A, Head -11.4 M, RPM-2850, Insulation class -H, IP:56	5A	Rewinding	10	No.	4525.76	45257.60
6	415V AC 3Φ Oil pump Motor 2HP Discharge -400LPM, Current-3.5A , Head -9.7 M, RPM-2850, Insulation class -H, IP:56	6A	Rewinding	6	No.	3822.33	22933.98
Schdule II : : Repairing of 110 V AC 1Φ motor							
7	110V AC 1Φ 60 Watt motor.	7A	Rewinding	600	No.	1233.96	740376.00
		7B	Repairing of shaft	50	No.	683.48	34174.00
	Total						1115533.49
	GST 18%						200796.03
	Grand Total-(Thirteen lakh sixteen thousand three hundred twenty nine and Fifty Two paise only)						1316329.52

SSE/AC&RL/MMCT