

Expression of interest (EOI) for the engagement of Independent Safety/Quality Assessor as per wheel agreement no. 2022/RS(WTA)-531/Wheel Agreement/874/1 dated 15.06.2023

1. On behalf of President of India, Chief Administrative Officer/Forged Wheel Plant/Modern Coach Factory, Raebareli invites Expression of interest (EOI) from experienced Firms/Joint Ventures/consortium for engagement of Independent Safety/Quality Assessor to have an independent third-party assessment on the Quality assurance requirement related to design, manufacturing and testing of Wheels/Wheel Sets as per wheel agreement no. 2022/RS(WTA)-531/Wheel Agreement/874/1 dated 15.06.2023.
2. The expression of interest may be submitted in a sealed envelope or delivered via email, using the prescribed application format, along with a tentative project report that provides complete details of the technical and commercial offer.
3. **Eligibility Criteria:** Respondents/interested firms who meet the criteria given below may apply using the prescribed application format
 - (a) The Railway's ISA should have accreditation as per ISO/IEC 17065 with experience of certifying rolling stock wheels/ wheel sets with operating/design speed of 160 kmph or more against minimum three different projects out of which one project must be executed in a country other than home country of ISA.
 - (b) To avoid conflict of interest, Railway's ISA should not already have been engaged by consortium of M/s Ramkrishna Forgings Ltd. and M/s Titagarh Rail Systems Ltd. for WTA agreement and neither shall Railway's ISA accept engagement by consortium of M/s Ramkrishna Forgings Ltd. and M/s Titagarh Rail Systems Ltd. during currency of engagement as Railway's ISA.
 - (c) ISA should not have been blacklisted by any organization or penalized for poor quality of work or abandoned any work over preceding 10 years from the date of issue of EOI. An undertaking to this effect shall be submitted by the ISA duly certified by their Company Secretary/Authorized person, as applicable.

4. OUTCOME OF EOI:

EOI is intended to finalize scope of work, technical specifications and to prepare tender document for the work of engagement of Independent Safety/Quality Assessor to have an independent third-party assessment on the Quality assurance requirement related to design, manufacturing and testing of Wheels/Wheel Sets as per wheel agreement no. 2022/RS(WTA)-531/Wheel Agreement/874/1 dated 15.06.2023.

5. The EOI document & other details can be downloaded from the website: <https://mcf.indianrailways.gov.in>
6. **Date and time of EOI document submission date: up to 24.07.2025, 15:00 hrs.**
7. Address for submission of EOI: Office of CPE, Plant wing, Main Administrative building, Modern Coach Factory, Raebareli-229120, email address: cpemcfrbl@gmail.com
8. **Contact Address:**
office of CPE, Plant wing, Main Administrative building, Modern Coach Factory, Raebareli-229120, email address: cpemcfrbl@gmail.com, Fax no. 0535-2704382, 7318060403

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- Enclosure: (1) Proforma for response to EOI as per Annexure A
(2) Proposed Scope of Work as Annexure B as envisaged by MCF
(3) Proforma for financial proposal as per Annexure-C

9. Disclaimer:

- i) This is not an invitation to tender
- ii) Any tender, if issued, may be invited through IREPS website in accordance with the applicable rules.
- iii) Nothing in this advertisement shall be construed as a commitment on the part of MCF.
- iv) MCF does not guarantee any further proceedings beyond the EOI: this invitation for EOI is neither an agreement nor an offer for the award of work.


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आधुनिक रेल डिब्बा कारखाना, रायबरेली
Chief Plant Engineer
Modern Coach Factory, Raebareli



Annexure-A

PROFORMA FOR RESPONSE TO EOI

Respondents Ref No.:
Chief Plant Engineer
Plant wing, Main Administrative building,
Modern Coach Factory, Raebareli-229120,
Uttar Pradesh, India

Dear Sir,

Subject: RESPONSE TO-EOI FOR PARTICIPITATION

1. We, the undersigned, offer the following information in response to the expression of interest sought by your notification no. _____ dated: _____.
2. We are duly authorized to represent and act on behalf of _____.
(hereinafter the "respondent")
3. We have examined and have no reservations to the EOI document.
4. We are attaching with this letter, the copies of original documents defining: -
 - 4.1 The respondent's legal status;
 - 4.2 Its principal place of business;
 - 4.3 Its place of incorporation (if respondents are corporations); or its place of registration (if respondents are cooperative institutions, partnerships or individual owned firms;
 - 4.4 Copies of certificates/documents asked in the EOI document to establish claim for technical and financial capacity/suitability of the offer (ELIGIBILITY CRITERIA).
5. MCF/RBL and/or its authorized representatives may contact the following nodal persons for further information on any aspects of the response:

S.No.	Contact Name	Address	Telephone	email
1				
2				

6. This expression is submitted with the full understanding that:
 - 6.1 Information furnished in response to EOI shall be used confidentially by MCF/RBL.
 - 6.2 MCF/RBL reserves the right to reject or accept any or all applications, cancel the EOI and subsequent process without any obligation to inform the respondent about the grounds of the same.

7. We certify that our turnover and net worth in the last three years is as under:

Financial Year	Turnover	Net Worth
2022-23		
2023-24		
2024-25		

8. In response to the EOI we hereby submit the following additional details annexed to this application.



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- 8.1 Clause wise compliance/deviations to MCF/RBL's EOI document along with draft scope of work given at annexure-B
- 8.2 Experience & expertise for work proposed in EOI; details of similar projects executed related to EOI document (Eligibility criteria) & other documents related to eligibility criteria. Responsibility of submission of documents establishing compliance of requirements in eligibility criteria shall be of respondent. Respondent to make sure submission of all necessitated documents for the same.
- 8.3 Details of costumer(s) for Sr.no.8.2
- 8.4 Details of intellectual property rights (IPR) held, patent filed /held and MoU/agreement signed.
- 8.5 Details of manpower with their qualification
- 8.6 Details of proposal for item proposed in EOI including alternative proposal, if any.
- 8.7 Details of ISO certification.
9. The following undertakings are hereby given:
 - 9.1 In regards to matters relating to the security and integrity of the country, no charge sheet has been filed by any agency of the Government/conviction by a court of Law for an offence committed by the -----(name of the entity) or by any sister concern of the----- (name of the entity), we/I understand that any such chargesheet would result in disqualification.
10. The undersigned declare that the statements made and the information provided in the duly completed application are complete, true and correct in every detail.
11. We also understand that in the event of any information furnished by us being found later on to be incorrect or any material information having been suppressed, MCF/RBL may delete my name from the list of qualified respondents. We further understand that MCF/RBL will give first preference to the applicants considered relevant for the purpose.
12. Our response is valid till (date in figures and words):


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Chief Plant Engineer
Modern Coach Factory, Raebareli

Yours Sincerely
(signature)
NAME _____
In the capacity of _____
Duly authorize to sign the response
For and behalf of _____
Date: _____



DRAFT SCOPE OF WORK

Name of work: Engagement of Independent Safety/Quality Assessor to have an independent third-party assessment on the Quality assurance requirement related to design, manufacturing and testing of Wheels/Wheel Sets as per wheel agreement no. 2022/RS(WTA)-531/Wheel Agreement/874/1, dated 15.06.2023

1. Definitions:

- a. **WTA Agreement**-Wheel agreement No.2022/RS(WTA)-53/Wheel Agreement/874/1 entered into on 15th day of June,2023.
- b. **Railways**- The President of India represented by executive director, Stores (RS), ministry of Railways (Railway Board, Government of India and having its offices at rail Bhawan, Raisina Road, New Delhi-110001
- c. **Consortium**-Consortium of M/s Ramkrishna Forgings Ltd. (CIN-L74210WB1981PLC034281) (Address: -23, Circus Avenue, Kolkata-700017, West Bengal, India) and M/s Titagarh Rail Systems Ltd. (erstwhile M/s Titagarh Wagons Limited (CIN- L27320WB1997PLC084819) (Address: - 756, Anandpur E M Bypass, NA, Kolkata-700107, west Bengal India)
- d. **Supplier**- The consortium as defined above.
- e. **PCAO/FWP/MCF**- Principle Chief Administrative Officer/Forged Wheel Plant/Modern Coach Factory or Chief Administrative Officer/Forged Wheel Plant/Modern Coach Factory
- f. **RDSO**- Research Design & Testing organization based in Lucknow, India
- g. **Railway's ISA**- Independent /Quality Assessor engaged by PCAO/FWP/MCF
- h. **Supplier's ISA**- Independent safety/quality assessor engaged by consortium.
- i. **TPI**- Third party inspector who shall do tests as per clause 13.2.1 and 13.2.2 during regular manufacturing and regular inspection of wheels/wheel sets during manufacturing as per clause 13.3 of the WTA agreement
- j. **Wheels** - six types of wheels as per following list
 - i) LHB Coach wheel as per drawing no. MI006615 alt.b conforming to IRS R-19/93 Part II (rev.5 or latest)
 - ii) Vande Bharat motor coach wheel as per drawing no.AAA02161 alt. nil conforming to BS EN 13262:2020
 - iii) Vande Bharat trailer coach wheel as per drawing no.AAA02173 alt. nil conforming to BS EN 13262:2020
 - iv) EMU motor & trailer coach wheel as per drawing number Sketch-K4004 alt.3 conforming to IRS R-19/93 Part II (rev.5 or latest)
 - v) MEMU motor & trailer coach wheel as per drawing number Sketch-K4004 alt.3 conforming to IRS R-19/93 Part II (rev.5 or latest)
 - vi) WAG9 Loco Wheel as per drawing no.1209-01-111-003 conforming to IRS R-34
- k. **Wheelsets**
 - i) Assembly of wheelsets of LHB/EMU/MEMU coaches as per IRS R-19/93 Part 1 with corrigendum No.1 or latest version
 - ii) Assembly of wheelsets of Vande Bharat Coaches as per EN 13260-2020 or latest version



2. Eligibility Criteria of Railway's ISA

- a. The Railway's ISA should have accreditation as per ISO/IEC 17065 with experience of certifying rolling stock wheels/ wheel sets with operating/design speed of 160 kmph or more against minimum three different projects out of which one project must be executed in a country other than home country of ISA.
- b. To avoid conflict of interest, Railway's ISA should not already have been engaged by consortium for WTA agreement and neither shall Railway's ISA accept engagement by consortium during currency of engagement as Railway's ISA.
- c. ISA should not have been blacklisted by any organization or penalized for poor quality of work or abandoned any work over preceding 10 years from the date of issue of EOI. An undertaking to this effect shall be submitted by the ISA duly certified by their Company Secretary/Authorized person, as applicable.

3. Objective of the Assignment

- a. The objective of engaging the ISA services is to have an independent third-party assessment on the Quality assurance requirement related to design, manufacturing and testing of Wheels/Wheel Sets.
- b. As per para 13.4.2 of the WTA agreement Railways may engage an Independent Safety/Quality Assessor.
- c. As per para 13.4.2 of the WTA agreement, it shall be incumbent upon the Supplier to provide all the necessary information sought by ISA appointed by Railways/Independent Agency in all phases of project including design, installation, testing and commissioning phase and assist in visit (if required) of Railway's ISA to their premises for the purpose of assessment.
- d. As per para 13.4 of the WTA agreement, audit report and certificate of Supplier's ISA shall be submitted by the supplier.

4. Scope of the ISA and role of stakeholders

Based on the above mandate, the Railway's ISA scope of work shall be as follows:

- a. The Railway's ISA shall visit Forged Wheel Plant at Modern Coach Factory, Raebareli to familiarize himself with the manufacturing process as the Supplier's manufacturing process at his premises, which is under construction, is expected to be similar to the manufacturing process followed at Forged Wheel Plant at Modern Coach Factory, Raebareli. Based on this visit, reports of Supplier's ISA (if available at that time) and Quality Assurance Plans of Supplier (if approved by RDSO at that time), Railway's ISA will prepare an **Assessment Plan** incorporating the phases as elaborated subsequently in this scope of work. The **Assessment Plan** of Railway's ISA shall be shared by the Railway's ISA with the Supplier so that Supplier gets a chance to represent his views. Taking the Supplier's views into cognizance, the proposed **Assessment Plan** of Railway's ISA will be submitted to PCAO/FWP/MCF. PCAO/FWP/MCF shall seek the opinion of concerned directorate of RDSO. The compiled opinion of PCAO/FWP/MCF and RDSO on the Railway's ISA proposed **Assessment Plan** shall be put up to Railways for approval. The proposed **Assessment Plan**, when approved by Railway Board, shall be communicated by PCAO to the Railway's ISA and the Supplier for implementation. Railway's ISA may be required to perform iterations of proposed **Assessment Plan** till the final **Assessment Plan** is approved by Railways.
- b. Kick-off meeting with the supplier at the Supplier's factory premises to establish the parameters of the assessment process.



c. Manufacturing process design phase-

- (i) Railway's ISA shall carry out an assessment of manufacturing process design to confirm if the Supplier's proposed manufacturing design process is capable of meeting the specification and standards as per Schedule A of the WTA agreement.
- (ii) Preliminary Report of Railway's ISA shall be shared by the Railway's ISA with the supplier so that supplier gets a chance to correct discrepancy/lacunae, if any, pointed out in Railway's ISA report. The supplier shall prepare a compliance report on the findings of Railway's ISA. Taking the supplier's compliance report into cognizance, the final report of Railway's ISA will be submitted to PCAO/FWP/MCF. PCAO/FWP/MCF shall seek the opinion of concerned directorate of RDSO. The compiled opinion of PCAO/FWP/MCF and RDSO on the Railway's ISA shall be put up to Railways for approval. It shall be the responsibility of the Railways to ensure that the supplier resolves discrepancy/lacunae, if any which remains at this stage. The approval of the Railways will be communicated to the supplier.

d. Installation Phase-

- (i) Railway's ISA shall carry out an assessment during installation phase to determine whether the installation is being done as per the proposed and approved manufacturing design process.
- (ii) Same procedure as mentioned in para 4.c.(ii) will be repeated for acceptance and communication of Railway's ISA report.

e. Testing Phase –

- (i) Railway's ISA shall carry out an assessment during testing phase whether the installation is capable of producing wheels and wheelsets as per the specification and standards as per Schedule A of the WTA agreement.
- (ii) Same procedure as mentioned in para 4.c.(ii) will be repeated for acceptance and communication of Railway's ISA report

f. Commissioning Phase-

- (i) Railway's ISA shall carry out an assessment during commissioning phase to determine if the wheels and wheels are being produced in accordance with specification and standards as per Schedule A of the WTA agreement.
- (ii) Same procedure as mentioned in para 4.c.(ii) will be repeated for acceptance and communication of Railway's ISA report

g. Safeguards Phase- The supplier has to take safeguards as defined in clause 12.1.1.a) of the WTA agreement.

- (i) Assessment whether the facilities proposed by the supplier for the tests specified in clause 12.1 is capable of conducting the tests.
- (ii) Review of the test results whether it meets with the standards specified in clause 12.1.1.a)
- (iii) Same procedure as mentioned in para 4.c.(ii) will be repeated for acceptance and communication of Railway's ISA report.
- (iv) ISA shall also conduct final review, verification and assessment of safety acceptance of complete system for issuing Safety Certificate to put the system in revenue operation.

h. Regular manufacturing phase or revenue operation phase-

- (v) The regular day to day inspection of the wheels and wheelsets has to be carried out by TPI (which at present is mandated to be RITES as per Railway Board's letter

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no.2022/RS(G)/779/8 (E3391974), dated:07.10.2024. Therefore, Railway's ISA role will be to prepare an inspection plan (based on his assessments at various phases/stages) for regular day to day inspection of wheels and wheelsets and submit to PCAO/FWP/MCF
(vi) PCAO/FWP/MCF will get the inspection plan approved by RDSO and hand over the inspection plan to TPI (RITES at this time)

- i. Notwithstanding any provisions in these specifications, the responsibilities of the Supplier enumerated in specification and standards as per Schedule A of the WTA agreement shall be fulfilled by the Supplier independent of this process of assessment.

5. Methodology

- a. The assessment shall be broadly based upon two types of activities:
 - i. Review of the Supplier's documentation pertaining to quality/safety aspects throughout the various stages and
 - ii. Inspections and safety audits within the Supplier's entities and on site.
- b. Safety/quality assessment will combine the use of design analysis, results from safety audits and field assessment. Each assessment will include a review of the processes and organization employed at respective stage.
- c. The assessment will pay particular attention to the project hazard log maintained by supplier as this contains the traceability from the safety requirements to documentation supporting Engineering activities for the project.

6. Deliverables – The following shall be the deliverables by Railway's ISA

- a. Assessment Plan (in five copies) till it is finally approved by Railways
- b. Report (in five copies) on the Kick-Off meeting
- c. Report (in five copies) on assessment of manufacturing process design phase
- d. Report (in five copies) on assessment during installation phase
- e. Report (in five copies) on assessment during testing phase
- f. Report (in five copies) on assessment during commissioning phase
- g. Report (in five copies) on assessment during Safeguards Phase
- h. Inspection Plan to be followed by TPI during Regular manufacturing phase

7. Staffing For Assessor Services

1. The requirement of key experts for completing the proposed work within the stated completion period shall be assessed by the firm in the following broad categories suggested below. The firm shall take this into consideration while preparing his proposal for organization and staffing to be submitted with the bid offer.
2. The qualification criteria of key experts shall be as given below

Assessor	Academic Qualification	Minimum Bachelor's Degree in Relevant Field
	General Work experience	Minimum 20 years
	Experience in Railway/Transport Projects	Minimum 10 years
	Experience as Assessor	Minimum 5 years
Deputy Assessor	Academic Qualification	Minimum Bachelor's Degree in Relevant Field



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System Expert	General Work experience	Minimum 20 years
	Experience in Railway/Transport Projects	Minimum 10 years
	Experience as Deputy Assessor or higher level	Minimum 3 years
	Academic Qualification	Minimum Bachelor's Degree in Relevant Field
	General Work experience	Minimum 12 years
	Experience in Same/Similar Position	More than 03 years

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Chief Plant Engineer
Modern Coach Factory, Raebareli



Annexure-C

FINANCIAL PROPOSAL

Appendix-A

TENDER TOTAL (Base Tender)

(THIS DOCUMENT IS TO BE PREPARED AND COMPLETED BY THE TENDERER)

The fixed Lump sum price of the contract is:

Rupees _____ (In Figures)

_____ (in words)

And/or (strike out which is not applicable)

(in foreign currencies) _____ (in figures)

_____ (in words)


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FINANCIAL PROPOSAL

Appendix B

SCHEDULE OF PAYMENT AND MILESTONES

Payments to the ISA will be based on the stage payment as shown below. The stage payments shall be made on completion of the corresponding activities after necessary deductions.

The percentages shown will be made for each activity based on the amount quoted.


Note: The progress schedule (weeks from Letter of Acceptance) is indicative and will be finalized during contract execution.

S.N.	Activity completed		Reference Clause	Stage payment of Lump sum	Progress schedule (weeks from date of LOA)
1	Assessment Plan	LHB Coach wheel	4.(a)		
		Vande Bharat motor coach wheel			
		Vande Bharat trailer coach wheel			
		EMU motor & trailer coach wheel			
		MEMU motor & trailer coach wheel			
		WAG9 Loco Wheel			
2	Report on the Kick-Off meeting		4.(b)		
3	Report on assessment of manufacturing process design phase	LHB Coach wheel	4.(c)		
		Vande Bharat motor coach wheel			
		Vande Bharat trailer coach wheel			
		EMU motor & trailer coach wheel			
		MEMU motor & trailer coach wheel			
		WAG9 Loco Wheel			
4	Installation phase		4(d)		
5	Testing phase	LHB Coach wheel	4(e)		
		Vande Bharat motor coach wheel			
		Vande Bharat trailer coach wheel			
		EMU motor & trailer coach wheel			
		MEMU motor & trailer coach wheel			
		WAG9 Loco Wheel			
6	Commissioning phase	LHB Coach wheel	4(f)		
		Vande Bharat motor coach wheel			
		Vande Bharat trailer coach wheel			
		EMU motor & trailer coach wheel			
		MEMU motor & trailer coach wheel			
		WAG9 Loco Wheel			
7	Safeguards phase	LHB Coach wheel	4(g)		
		Vande Bharat motor coach wheel			
		Vande Bharat trailer coach wheel			



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		EMU motor & trailer coach wheel			
		MEMU motor & trailer coach wheel			
		WAG9 Loco Wheel			
8	Inspection Plan to be followed by TPI	LHB Coach wheel	4(h)		
		Vande Bharat motor coach wheel			
		Vande Bharat trailer coach wheel			
		EMU motor & trailer coach wheel			
		MEMU motor & trailer coach wheel			
		WAG9 Loco Wheel			


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 Modern Coach Factory, Raebareli



FINANCIAL PROPOSAL

Appendix-C

MINIMUM NUMBER OF MANDAYS AND MAN DAY RATES

The tenderer must fill and submit the minimum number of man days and man day rates in the below format:

The total of Appendix-C should match with Tender Total (Appendix-A)

Man Day Rates

<u>Mandays rate for expat staff category</u>	<u>Man day rate (a)</u>
	<u>FC</u>
PM/Assessor	
Dy. Assessor	
System Expert	
Secretary	

<u>Mandays rate for Indian staff category</u>	<u>Man day rate (b)</u>
	<u>LC(INR)</u>
PM/Assessor	
Dy. Assessor	
System Expert	
Secretary	

S.No.	Activity	Category	Minimum number of man days		Total price	Total Price
			Expat(c)	Indian(d)	FC	LC(INR)
					(a)*(c)	(b)*(d)
1	Assessment phase	PM/Assessor				
		Dy. Assessor				
		System Expert				
		Secretary				
2	Kick off meeting phase	PM/Assessor				
		Dy. Assessor				
		System Expert				
		Secretary				
3	Manufacturing process design phase	PM/Assessor				
		Dy. Assessor				
		System Expert				
		Secretary				
4	Installation phase	PM/Assessor				
		Dy. Assessor				
		System Expert				
		Secretary				
5	Testing phase	PM/Assessor				
		Dy. Assessor				
		System Expert				



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		Secretary				
6	Commissioning phase	PM/Assessor				
		Dy. Assessor				
		System Expert				
		Secretary				
7	Safeguard phase	PM/Assessor				
		Dy. Assessor				
		System Expert				
		Secretary				
8	Inspection Plan to be followed by TPI	PM/Assessor				
		Dy. Assessor				
		System Expert				
		Secretary				


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