MINISTRY OF RAILWAYS — GOVERNMENT OF INDIA

Rail Wheel Factory

Office of the Principal Chief Mechanical Engineer
Yelahanka, Bengaluru – 560 064
www.rwf.indianrailways.gov.in

CALL FOR

Expression of Interest (EOI)

EOI No. RWF/M/EOI/AMS/01

FOR

Outsourcing the Machining of Axles for Railway Rolling Stock

Date of Issue:	09.05.2026
Last Date of Submission:	18.05.2026
EOI No.:	RWF/M/EOI/AMS/01
Dated:	08.05.2026

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1. Background

Rail Wheel Factory (RWF), Yelahanka, Bengaluru, is a production unit under the Ministry of Railways that manufactures axles, wheels, and wheel-sets for supply to Railway units and non-Railway customers. After forging, these axles require machining — rough turning and semi-finishing — to the specified dimensions as per the relevant RWF drawings. This semi-finishing machining activity is proposed to be outsourced to capable firms / agencies.

RWF invites this Expression of Interest (EOI) to gauge the market capacity available for outsourcing the semi-finishing machining of axles for Railway rolling stock, and to build a panel of empanelled firms who can be considered for future order placement.

1.1 Objectives

- To identify firms currently capable of carrying out semi-finishing machining of forged axles as per specified RWF drawings.
- To identify firms that do not presently have the required machines but are in the process of procuring or planning to install the required machining infrastructure.
- To gauge the free / available machining capacity with prospective firms after accounting for their existing order commitments.
- To create a panel of capable firms for future tendering and order placement.

1.2 Note for existing RWF machining contractors

Firms that are already engaged with RWF under an existing contract for the machining of axles are already known to RWF and need not apply in response to this EOI. This EOI is aimed at identifying and empanelling new firms / agencies not presently associated with RWF for this activity.

1.3 Benefit to the respondents

- Prospective firms can understand the requirements in detail, enabling better preparation for the actual tender.
- Firms with existing capacity can demonstrate their credentials and get a head start in the empanelment process.
- Firms currently investing in new machining lines will be assessed and empanelled for future orders.

1.4 Submission of EOI

Interested firms are requested to submit their details in the prescribed format on or before the last date of submission indicated on the cover page. Responses may be submitted by email, hard copy by mail, or physically at:

Deputy Chief Mechanical Engineer / Projects Rail Wheel Factory, Yelahanka, Bengaluru – 560 064 Email: mohitk.2601@gov.in | Mob: +91 9108501432

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2. Instructions to the Respondents

1. This document is an Expression of Interest (EOI) published by RWF to solicit and examine responses from firms capable of executing semi-finishing machining of axles for Railway rolling stock, as per the details mentioned in this document.
2. The timelines and quantities mentioned are subject to change and shall be firmed up when actual Bids are called for by RWF.
3. Some operational conditions of contract are briefly mentioned for guidance of the respondents. These are subject to change based on examination of responses received.
4. The decision of RWF / Indian Railways shall be final while addressing issues raised by respondents.
5. Interested firms may visit RWF to get an idea about the machining requirements. Such a visit may be arranged by prior appointment with the contact officer mentioned on the cover page.
6. Participation in this EOI does not guarantee award of any work order. The EOI is purely for gauging market interest and capacity.
7. Firms are encouraged to attach photographs of their existing machinery and infrastructure along with this EOI, wherever feasible. The photographs, if submitted, shall cover the machining shop floor, key machines (lathes, drilling and tapping machines, end cutting/milling machines, centering machines, material handling equipment etc.), storage area for axles, and any other relevant facility. While submission of photographs is not mandatory, it will aid RWF in carrying out a preliminary assessment of the firm's infrastructure and may facilitate a more informed site visit.
8. Submission of incomplete information may lead to rejection of the firm's candidature.
9. Firms already engaged with RWF under an existing axle machining contract are not required to participate in this EOI.

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3. Scope of Work for Machining of Axles

3.1 General

Axles will be supplied to the firm in 'As-forged' condition as per the relevant RWF forging drawing. The firm is required to machine and supply the semi-finished axles as per the relevant RWF machining drawing (to be provided separately). The overall length and wheel seat lengths may vary by +15 mm from drawing dimensions, as the axles are supplied in as-forged condition.

3.2 Machining Sequence

Op.	Operation	Description / Remarks
1	**End cutting / end milling**	Both ends of the forged axle shall be cut/milled to a flat face using a suitable end cutting machine, band saw machine, or end milling machine. This prepares the axle for end-to-end ultrasonic testing.
2	**Centering**	Centering operation on both faces at their geometric centres. Essential for accurate mounting on the lathe for subsequent turning operations.
3	**End-to-end ultrasonic testing (UT)**	Conducted by RITES personnel hired by RWF under a separate contract. Firm shall provide the necessary space and a UT flaw detector machine with storing/saving facility for all readings/graphs.
4	**Rough turning**	Major material removal operation. Firm shall have a heavy-duty rough turning lathe capable of accommodating the full axle length. Centre-to-centre distance of the lathe shall be declared by the firm.
5	**Radial ultrasonic testing (UT)**	Performed by RITES personnel hired by RWF under a separate contract. Firm shall provide the necessary space and UT equipment.
6	**Drilling & tapping**	3 holes on PCD at 120° spacing on both faces. Firm shall ideally have an automatic horizontal or vertical drilling and tapping machine to minimise material handling time.
7	**Semi-finishing**	Semi-finishing as per the relevant RWF machining drawing. This is the final machining operation before dispatch.

3.3 Inspection and Testing

- 100% in-process and dimensional inspection shall be carried out at the firm's premises.
- End-to-end UT and radial ultrasonic scanning shall be carried out by M/s RITES under a separate RWF contract. Firm shall provide all necessary facilities.
- Dimensional inspection and certification shall also be carried out by M/s RITES.
- Firm shall provide all necessary calibrated IMTEs and gauges to the testing agency at its own cost at the firm's premises.

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- Repairing or salvaging of axles having machining defects by welding, localized heating, or any surfacing method shall not be permitted.

3.4 Transportation Responsibility

Activity	Responsibility
Transportation of forged axles from RWF to firm's premises	RWF
Unloading of axles at firm's premises	Firm
Storage of machined axles in covered area until pickup	Firm
Loading machined axles onto trucks provided by consignee	Firm
Transportation of machined axles from firm to consignee	Consignee/RWF

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4. Machining Process and Required Machinery

The following is the indicative list of machines required for carrying out machining operations on forged axles. Firms shall declare details of machines they possess and/or are in the process of procuring in Annexure-3.

S.No.	Machine / Equipment	Purpose / Indicative Specification	Min. Reqmt.
1	**End cutting machine / band saw / end milling machine**	For cutting/facing both ends of the forged axle to prepare a flat face for UT testing. Must handle the relevant axle diameter and length.	1 No. min.
2	**Centering machine**	For centering on both faces. CNC preferred.	1 No. min.
3	**Ultrasonic flaw detector (end-to-end & radial)**	For UT testing. Equipment must have storing/saving facility for all readings/graphs.	1 No. min.
4	**Heavy duty rough turning lathe**	For rough turning to remove major material. Must handle the relevant axle diameter and full length. Centre-to-centre distance to be declared by firm. Adequate swing-over-bed required.	1 No. min.
5	**Drilling & tapping machine (automatic preferred)**	For drilling 3 holes on PCD at 120° and tapping on both faces. Automatic horizontal preferred; vertical also acceptable.	1 No. min.
6	**Semi-finishing / finish lathe / CNC lathe**	For semi-finishing as per the relevant RWF machining drawing. CNC preferred for accuracy. Centre-to-centre distance to be declared.	1 No. min.
7	**Material handling equipment (crane / EOT)**	For handling heavy forged axles within the shop floor. Adequate capacity for the weight of axles.	As reqd.
8	**Precision measurement equipment**	Calipers, micrometers, gauges for dimensional checking.	As reqd.
9	**Surface finish measurement (roughness tester)**	For measuring surface finish as per drawing specifications.	1 No.

Note: The above list is indicative. Firms are requested to provide complete and accurate machine details in Annexure-3.

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5. Current Order Book and Available Capacity — Declaration by Firm

RWF recognises that prospective firms may have existing machining orders and commitments with other clients at the time of submitting this EOI. It is therefore essential that firms provide a transparent and accurate declaration of their current order book and the resultant free / available machining capacity that can be dedicated to this axle machining tender.

This information is critical for RWF to correctly assess the firm's actual available capacity for axle machining. A firm's gross machining capacity is only meaningful to RWF to the extent that it is not already committed to other orders.

5.1 What Firms Are Required to Declare

- Current order book: Details of all existing machining orders/contracts that are currently active or are likely to be active during the period for which this tender order would be applicable — including the nature of work, the client, the quantity committed, and the likely period of completion.
- Machine-wise utilisation: For each machine in the firm's shop, the current utilisation (in terms of daily output committed to existing orders) and the free capacity (output available per day) that can be offered for axle machining.
- Net available capacity: Based on the above, the firm shall declare the net capacity it can commit for axle machining, after deducting the capacity already committed to existing orders.

The declaration of current order book and free capacity shall be made honestly and accurately. RWF reserves the right to cross-verify these details during the site visit. Any suppression or misrepresentation of existing orders shall lead to immediate disqualification of the firm.

5.2 Impact on Capacity Assessment

The gross capacity figures declared in Annexure-2 and the projected outturn declared in Annexure-3 shall be read in conjunction with the current order book and free capacity declaration in Annexure-4. The net figure — i.e., the capacity available after existing order commitments — shall be the basis on which RWF evaluates the firm's suitability for this tender.

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6. Tender Conditions

These are the firmed-up tender conditions. Any firm wishing to receive an order for machining of axles shall be required to abide by these conditions in totality.

- Axles will be supplied in 'as-forged' condition as per the relevant RWF forging drawing.
- The firm is required to machine and supply the semi-finished axle as per the relevant RWF machining drawing (to be provided separately).
- The firm must supply the required quantity within 30 calendar days of lifting axles from RWF.
- Payment shall be made only for axles satisfactorily machined as per specified drawings, subject to no damage being caused to the axle on the firm's account.
- The firm must submit a Bank Guarantee (BG) equal to the cost of axles being sent to their premises for machining.
- Scrap generated during machining (turnings and borings, estimated ~130 kg per axle) shall be retained by the firm. An amount at RWF's prevailing rate (currently Rs. 36/- per kg + GST) shall be remitted from running bills.
- All fully machined axles shall be supplied after ultrasonic (end-to-end and radial) and MPT testing by RITES.
- A penalty of Rs. 500/- per axle per month shall be imposed for shortfall in the monthly machining schedule.
- In case of machining rejection due to faulty machining: no payment shall be made; the cost of the forged axle along with transportation and inspection costs shall be recovered from the firm; and a lump sum penalty of Rs. 5,000/- per faulty axle shall additionally be levied.

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7. Documents to be Submitted by the Respondents

1. Duly filled and signed covering letter as per Annexure-1.
2. Firm details and machining capacity declaration as per Annexure-2.
3. Declaration of machines (current, proposed, and projected axle outturn) as per Annexure-3.
4. Current order book and free capacity declaration as per Annexure-4.
5. Financial eligibility (annual contractual turnover for last 3 years, certified by CA) as per Annexure-5.
6. Past experience of similar works carried out in the last 7 years as per Annexure-6, along with work completion certificates from the client and payment details wherever available.
7. Firm's suggestions or observations on the tender, if any, as per Annexure-7.
8. Details of plant and machinery (make, model, specifications, year of purchase) to be used specifically for machining of axles.
9. Manufacturing flow chart showing flow of product through the production line and details of operations carried out.
10. Manpower employed and their qualifications (machinists, engineers, NDT personnel).
11. For firms proposing to procure machines: timeline for procurement and installation of each machine, along with copies of Purchase Orders (POs) already placed, if any.

Firms that do not currently have all required machines but are planning to install a machining line are also invited to participate. Such firms shall clearly state the timeline for procurement and commissioning of each required machine. If POs have been placed, copies shall be submitted as proof of intent. Important: In the event such firms are considered for order placement in future, actual release of any work order shall be made only after a team from RWF has physically visited and inspected the firm's premises and confirmed that all promised machines have been procured, installed, and are ready to take up production.

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8. Verification and Empanelment Process

1. All responses received shall be scrutinized and reviewed in detail by RWF.
2. A team from RWF shall visit the shortlisted firms for an independent inspection and verification of the details submitted in this EOI.
3. During the visit, the team shall verify machines, facilities, manpower, existing order commitments, and other infrastructure declared by the firm.
4. For firms that do not yet have all required machines but have declared intent to procure them, the team shall assess the credibility of the plan and the likely date of readiness.
5. Based on verification, firms found to meet the criteria shall be empanelled. Empanelled firms shall be considered for future tenders floated by RWF for machining of axles.
6. Empanelment shall not guarantee award of any work order. Actual orders shall be placed based on competitive bidding in a separate tender process.
7. For firms empanelled on the basis of a declared intent to procure and install machines: release of any work order shall be contingent upon a confirmatory site visit by RWF, confirming that all declared machines are installed and ready for production.

Any information found to be false, misleading, or inaccurate during the verification visit shall result in immediate disqualification of the firm. RWF reserves the right to take further action in such cases as deemed fit.

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Annexure-1: Format for Covering Letter

(To be submitted on Company Letterhead)

To,

The Deputy Chief Mechanical Engineer / Projects

Rail Wheel Factory, Yelahanka, Bengaluru – 560 064

Subject: Submission of Expression of Interest (EOI) for Outsourcing of Semi-Finishing Machining of Axles for Railway Rolling Stock – EOI No. RWF/M/EOI/AMS/____/01

Sir/Ma'am,

I/We, _____ (Name of Firm/Company), do hereby declare that the information given in this application and the documents enclosed are true to the best of my/our knowledge and belief.

I/We undertake that I/We have full authority to submit this EOI document along with the documents enclosed, on behalf of the company.

I/We confirm that we have read and gone through the tender conditions mentioned in this EOI document and we agree to abide by the same in totality in the event of being awarded any work order arising out of this EOI process.

I/We further confirm that the details of our current order book and the free machining capacity declared in Annexure-4 are accurate and true, and we understand that these details will be verified by RWF during the site visit.

I/We further understand that:

- This EOI is for gauging market capacity and interest, and is not for actual supply or a work order.
- RWF may float a separate tender, and our participation in this EOI does not guarantee any qualification for that tender.
- A team from RWF shall visit our premises to verify the details submitted, and we agree to extend full cooperation for such a visit.
- If our firm is empanelled on the basis of a declared intent to procure machines, any work order shall only be released after RWF's confirmatory site visit establishes that all declared machines are installed and ready for production.
- Any information found to be false or misleading shall disqualify our firm from the empanelment process.

Date: _____

(Signature of the Authorised Signatory with Seal)

Name: _____

Designation: _____

Contact No.: _____

Email: _____

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Annexure-2: Firm Details and Machining Capacity Declaration

Part A – General Information about the Firm

Name of the firm / company	
Type of business entity (Pvt. Ltd. / Pub. Ltd. / Sole Proprietorship / Partnership / LLP / JV / Trust / NGO / other)	
Registered office address	
Manufacturing premises address (if different from registered office)	
Contact person name & designation	
Contact telephone / mobile	
Email ID	
GST registration no.	
PAN no.	
Year of establishment	
Total covered workshop area (sq. mtrs.)	
Covered storage area available for forged and machined axles? (Yes / No — specify area in sq. mtrs.)	
Reliable power supply available? (Yes / No — specify installed KVA)	
Material handling equipment (crane / EOT) — specify type and capacity	

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Part B – Gross Machining Capacity (All Products Combined)

Declare the gross outturn of each machine per day across all products currently being machined. The bottleneck machine (lowest daily outturn in the sequence) determines the gross total daily outturn.

S.No.	Machine type	No. of machines	Make / model	C/C distance (lathes, mm)	Gross outturn per machine per day – all products (nos.)	Total gross daily outturn for this machine type (nos.)	Remarks
1	End cutting / band saw / end milling machine						
2	Centering machine						
3	Rough turning lathe						
4	Drilling & tapping machine						
5	Semi-finishing / finish lathe / CNC lathe						
6	Any other relevant machine (specify)						
Gross total daily outturn (bottleneck machine, all products):							

Note: Net capacity available for axle machining after deducting existing order commitments shall be declared in Annexure-4 and reflected in Annexure-3 Part C.

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Annexure-3: Declaration of Machines – Current, Proposed, and Projected Outturn on Axles

Part A – Machines Currently Available with the Firm

S.No.	Machine type	Make	Model / type	Year of mfg.	Capacity / specification	C/C distance (lathes, mm) / remarks
1						
2						
3						
4						
5						
6						
7						
8						

Part B – Machines Proposed to be Procured

Firms that are planning to procure machines shall fill the following table. Copies of Purchase Orders already placed shall be attached.

S.No.	Machine type to be procured	Approx. specifications	Expected date of delivery	Expected date of commissioning	PO reference no. (if PO already placed)
1					
2					
3					

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4					
5					

Part B(ii) – Projected Outturn on Axles from Proposed Machines (Once Commissioned)

For each machine proposed to be procured, declare the expected outturn specifically for axle machining once commissioned.

S.No.	Machine type (to be procured)	No. of machines proposed	Expected commissioning date	Expected outturn per machine per day on axles (nos.)	Total daily outturn for this machine type on axles (nos.)
1					
2					
3					
4					
5					
Projected total daily outturn on axles (bottleneck machine, post-commissioning):					

Part C – Projected Outturn on Axles from Existing Machines (After Deducting Existing Order Commitments)

For each existing machine, declare the free outturn available for this axle machining tender, after deducting the capacity already committed to existing orders as declared in Annexure-4.

S.No.	Machine type	No. of machines	Gross outturn per day – all products (nos.)	Capacity committed to existing orders per day (nos.)	Free outturn available for this tender per day (nos.)	Remarks
1	End cutting / band saw / end milling					

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2	Centering machine					
3	Rough turning lathe					
4	Drilling & tapping machine					
5	Semi-finishing / finish lathe / CNC lathe					
6	Any other (specify)					
NET FREE CAPACITY AVAILABLE FOR AXLE MACHINING (bottleneck machine — lowest free outturn in the sequence):						

The highlighted row — Net Free Capacity Available for Axle Machining — is the key figure RWF will use to assess the firm's suitability. This must reconcile with the current order book declared in Annexure-4.

Part D – NDT Equipment Available with the Firm

UT flaw detector available? (Yes / No)	
Make and model of UT equipment	
Does UT equipment have storing/saving facility for all readings/graphs? (Yes / No)	

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Annexure-4: Current Order Book and Free Capacity Declaration

Firms shall declare all current active machining orders/contracts and their commitments below. This declaration shall be certified by the authorised signatory of the firm.

Part A – Current Active Orders / Contracts

S.No.	Name of client / organisation	Nature / description of machining work	Total order qty (nos.)	Monthly committed qty (nos.)	Expected period of completion	Machines engaged for this order
1						
2						
3						
4						
5						
6						

If the firm has no current active orders, it shall state so explicitly with the declaration 'NIL' in the table above.

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Part B – Machine-wise Utilisation and Free Capacity Summary

For each machine, declare the current utilisation and the resulting free capacity available for this axle machining tender.

S.No.	Machine type	No. of machines	Total gross capacity per day (nos.)	Capacity utilised for existing orders per day (nos.)	Free capacity per day for this tender (nos.)	Remarks (order ending date, shared usage etc.)
1	End cutting / band saw / end milling					
2	Centering machine					
3	Rough turning lathe					
4	Drilling & tapping machine					
5	Semi-finishing / finish lathe / CNC lathe					
6	Any other (specify)					

Part C – Net Free Capacity Summary

Net free daily outturn available for axle machining (bottleneck machine free capacity, nos. per day)	
Is the firm's free capacity likely to change during the proposed period of the tender? (Yes / No — if yes, give details below)	

Date: _____

(Signature of the Authorised Signatory with Seal)

Name & Designation

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Annexure-5: Format for Financial Eligibility

Annual contractual turnover of the firm for the last 3 financial years. This statement shall be duly signed and certified by a practising Chartered Accountant (CA).

S.No.	Financial year	Annual contractual turnover (Rs. in Crores)	Nature of work / contracts included
1			
2			
3			

CA Certificate No.: _____

Name of CA: _____

Membership No.: _____

Firm / Practice Name: _____

Date: _____

(Signature & Seal of Chartered Accountant)

(Signature of the Applicant with Seal)

Name & Designation

Date: _____

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Annexure-6: Format for Past Experience / Similar Works

Details of works similar to machining of axles for Railway rolling stock (including machining of railway axles, other forged axles, or large-diameter shaft/axle turning and grinding works) carried out in the last 7 years. Please attach work completion certificates from the client and payment details wherever available.

S.No.	Name of work / project	Description (type of machining, axle/shaft type, quantity etc.)	Year of completion	Amount (Rs.)	Client / organisation name and contact	Completion certificate enclosed? (Yes / No)
1						
2						
3						
4						
5						
6						
7						
8						

Please attach work completion certificates from the client and available payment details for each work listed above.

Date: _____

(Signature of the Authorised Signatory with Seal)
Name & Designation

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Annexure-7: Format for Firm's Suggestions / Observations on the Tender

Firms are invited to share any suggestions, observations, or feedback regarding the tender — including but not limited to scope of work, operational conditions, payment terms, penalty clauses, or any other aspect. RWF shall take these into considerations. Suggestions do not bind RWF to make any changes.

S.No.	Clause / aspect	Suggestion / observation	Reasons / justification
1			
2			
3			
4			
5			

Date: _____

(Signature of the Authorised Signatory with Seal)

Name & Designation

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Annexure-8: Scope of Work (Tender Conditions Reference)

Scope of Work for Outsourcing of Machining (Rough Turning / Semi-Finishing) of Axles for Railway Rolling Stock

The axles will be supplied in 'As-forged' condition as per the relevant RWF drawings. However the overall length and wheel seat lengths may vary by +15 mm, as the axle being supplied to the firm for machining is a forged axle. The firm is required to machine and supply the axle as per the relevant RWF drawings.

- The axle number will be stamped on the wheel seat area of the forged axle as well as written on the body of the axle using a permanent ink based marker.
- Machined axles shall be stamped appropriately as per the relevant RWF drawings.
- The firm should supply the details of axles such as axle numbers, inspection reports etc. of the axles which are to be dispatched to the respective consignee.
- In the process of machining of the axles, turnings and borings are generated as scrap. This has money value and the tenderers shall retain the scrap turnings and borings generated. However, the retention by the tenderers shall be considered as sale of turnings and borings and an amount of Rs. 36/- per kg plus GST will be remitted from the running bills. The generation of turnings and borings is estimated to be about 130 kg per axle.
- 100% in-process inspection is to be carried out on the axles machined at the firm's premises by the inspecting authority as approved by RWF. The details regarding the inspection procedure are discussed in the subsequent paras.
- Repairing/salvaging of axles having machining defects shall not be allowed by welding, localized heating, arc spot, any surfacing by metal spraying, electrolytic or chemical deposits together with retouching intended to hide a defect.
- In the event of a major breakdown or any unavoidable circumstances in the axle forge shop or delay in placement of trucks by the transporter resulting in RWF's inability to supply the axles, no penalties will be imposed on the firm. A joint note shall be made between RWF and the machining firm in this regard for calculating bills.
- Axles received after inspection, conforming to dimensions as per relevant drawings and passed after ultrasonic testings (end to end and radial), will be accepted as good axles. The cases of rejection will be dealt in the paras below depending on the type of rejection.

Transportation

- It will be the responsibility of the RWF Stores Department to arrange transportation of forged axles from RWF to the firm's premises through a suitable capacity truck. However it is the responsibility of the axle forge shop to load the axles promptly onto trucks placed by the Stores Department and provide necessary gate pass and work permit to the transporter. The axle forge shop shall maintain dispatch records of axles according to the delivery schedule.

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- It will be the responsibility of the firm to unload the axles sent by the Stores Department at the earliest.
- Upon completion of machining, it becomes the responsibility of the firm to notify RWF. Subsequently, the transportation of the machined axles to the consignee becomes the responsibility of the consignee, not the firm. However, once the trucks are provided by the consignee, it becomes the firm's responsibility to promptly load the axles onto the trucks. During the loading process, the responsibility lies with the firm to provide adequate packing for axles and ensure they are properly secured, while also preventing mishandling. The inspecting authority holds the responsibility of ensuring that proper packing, loading, and securing practices are followed for the axles.
- It is the responsibility of the firm to store the machined axles until they are picked up by the consignee. The firm shall store the axles in a covered area to avoid damage due to rain or any mishandling.
- In the event of any damage occurring to the axles during the loading or storing process, it will be regarded as a rejection due to faulty machining. An appropriate penalty will be imposed accordingly.

Inspection of Axles

- 100% dimensional inspection and in-process inspections are to be carried out on the axles machined at the firm's premises by the inspecting authority (to be engaged under a separate tender by RWF) as per the relevant RWF drawings.
- The dimensional inspection shall be carried out according to the relevant format / inspection certificate prescribed by RWF.
- The machining contractor shall provide the necessary calibrated IMTEs (Inspection, Measuring and Testing Equipment) and gauges to the authorised testing agency at their own cost at the firm's premises.
- The UT test equipment that is supplied by the machining contractor shall have the storing/saving facility for all readings/graphs.
- **End-to-end ultrasonic testing and radial ultrasonic scanning shall be tested and certified by M/s RITES (separate contract will be operated by RWF for carrying out these testings/inspections by RITES).**
- **Dimensional inspection, certification, and entering the details in the LAN shall also be carried out by M/s RITES (separate contract will be operated by RWF for carrying out inspection by RITES).**

Payment Conditions

- 100% payment for each consignment shall be made for inspected and passed axles, after satisfactory inspection by M/s RITES.
- Performance Guarantee and Security Deposit shall be applicable as per the latest norms of GCC for Works. The stipulated norms and time period for submission of PG shall be as per the latest norms of GCC for Works.
- Payment shall be made only for axles satisfactorily machined as per specified drawings by the tenderer, subject to no damage being caused to the axle on the firm's account.

Quantities and Firm Assessment

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- Sufficient machining infrastructure facilities should be available with the participating agency to carry out the subject work.
- If required, prior capability assessment of the firm will be undertaken by deputing a team from RWF.
- The firm has to submit documents describing their capability of machining of axles, indicating the machinery, manpower and facilities available for the machining of axles along with their offer. The list of documents that a firm must submit is listed below:
  - Details of plant and machinery to be used specifically for the purpose of machining of axles.
  - Measurement facilities/Gauges and Quality Plan to ensure compliance with RWF requirements.
  - Manufacturing Flow Chart — flow of product through the production line and details of operations carried out.
  - Manpower employed and their qualification.
  - Other Requirements as per Eligibility Criteria as per GCC.
- It will be the responsibility of the tenderer to ensure required signatures along with date in all relevant documents wherever applicable.
- The bidder must quote only machining cost during the tender quoting time. All bidders will be evaluated based on the machining cost quoted.

Payment Procedure

For Machining Contract

After successful machining of the axles by the firm, it is requisite for the firm to submit the following documents along with the bill:

- RITES / Authorised Inspection Certificates along with axle numbers to SSE/AMS.
- Consignee receipt note to SSE/AMS.
- The consignee who has received the passed axles will confirm their suitability within 15 days after receipt of the axles.
- Once the confirmation from the consignee is received, the bills will be processed. If the confirmation is not received from the consignee within 15 days then the axles will be treated as accepted and the bill will be processed.

Penalty Conditions

S.No.	Type of penalty	Applicability	Calculation / details
01	**Penalty for faulty machining / mis-handling of axles**	Yes	The forged axle supplied by RWF does not have any defect. However, if improper handling, transportation or machining operation by the firm results in damage to the axle or the axle not conforming to the specified drawing, the following penalties will be levied:

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			(a) No payment shall be made and the firm shall retain the faulty machined/improperly handled axle. (b) The following costs will be deducted from the bills of the firm: Forging cost along with billet cost, Transportation cost incurred to send axle to firm; Inspection cost incurred. (c) A lump sum penalty of Rs. 5,000/- per faulty machined axle. The final decision in this regard shall be of RWF officials only.
02	**Penalty for not meeting the monthly machining schedule**	Yes	If the firm fails to supply the required monthly schedule, a penalty of Rs. 500/- per axle for each month of shortfall will be levied on the firm. Penalty will be imposed only for the number of shortfall axles for the particular month in question. The shortfall will not be carried forward to subsequent months.
03	**Material rejection**	No	The forged axle supplied by RWF has an inherent flaw on account of a defective bloom or improper heat treatment of the bloom on account of RWF. Any axle rejected in ultrasonic testing (end to end and radial) will be treated as a Material Rejection case. These material-rejected axles shall be returned to RWF and the cost of transportation for these axles will be borne by RWF. In case axles are rejected due to defective materials, the firm shall advise RWF within 03 days after rejection. The Stores Department of RWF will make necessary transport arrangements to collect the rejected axles. The number of axles rejected on account of defective material will be deducted from the monthly machining schedule of the firm for that particular month.
04	**Other deviations**	Yes	Any other deviation from contract conditions — such as gauges/test equipment provided without proper calibration, failing to load the truck placed by the consignee promptly, etc. — Rs. 2,000/- per case.

Indemnity by Contractors

The Contractor shall indemnify and save harmless the Railway from and against all actions, suits, proceedings, losses, costs, damages, charges, claims and demands of every nature and description brought or recovered against the Railways by

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reason of any act or omission of the Contractor, his agents or employees, in the execution of the works or in his guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the actual loss or damage sustained, and whether or not any damage shall have been sustained. (Page 47 / Clause 15 / GCC 2022)

Indemnity Bond

In compliance of the said clause, the successful tenderer shall execute an Indemnity Bond. The firm will have to submit the indemnity bond for a period of 02 months' quantity. This is in addition to: (a) Security Deposit (SD) of 5% of the value of the tender; and (b) Performance Guarantee (PG) of 5% of the value of the tender.

* * * * *

This EOI is issued with the approval of the competent authority.

08/05/26

Dy. CME/Projects
Rail Wheel Factory, Yelahanka, Bengaluru – 560 064

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