

EASTERN RAILWAY/CARRIAGE COMPLEX/KANCHRAPARA

SCOPE OF WORK

1. The tender is for Refurbishment of 922 Nos. UIC 130 CTRB of TIMKEN make fitted in LHB Coaches of Carriage Workshop, Eastern Railway, Kanchrapara for two years through M/s TIMKEN India Limited, Bara, P.O: Agrico, Jamshedpur-831009.
2. The Railway will remove UIC 130 CTRB of TIMKEN makes from incoming LHB Coaches as and when they arrive at Carriage Complex, Eastern Railway, Kanchrapara and shall pack all the refurbishable bearings duly wrapped in polythene sheets and packed in wooden/PVC case so that bearing do not get damaged during transit for refurbishment from Kanchrapara workshop to Jamshedpur. The loading of dismantled TIMKEN make LHB CTRBs at Carriage Complex/Kanchrapara & unloading of refurbished/ rejected bearings at Carriage Complex/Kanchrapara shall be arranged by the firm by engaging their own manpower. TIMKEN/Jamshedpur shall pack all the refurbished bearings duly sealed in polythene packs and packed in wooden/PVC case so that bearing do not get damaged during transit after refurbishment from Jamshedpur to Kanchrapara workshop. M/s TIMKEN India Limited will collect the removed bearing from SSE/20, Carriage Complex, Eastern Railway, Kanchrapara and return the same after refurbishment to Kanchrapara workshop. The contractor shall return all the rejected / scrapped / released materials / components to SSE/20/C, Carriage Complex, Eastern Railway, Kanchrapara. The polythene sheet and wooden/PVC Box shall have to be provided by M/s TIMKEN India Limited for loading of CTRB, which shall be duly wrapped in polythene sheets and packed in wooden/PVC cases of refurbishable bearings at Kanchrapara workshop.
3. The freight charges both ways of the Road transport from Carriage Complex, Eastern Railway, Kanchrapara to M/s TIMKEN India Limited/Jamshedpur and back will be paid by the contractor at their own cost on full truck load basis and the same will be billed to the Railways along with serviced bills.
4. The contractor shall collect the UIC-130 CTRBs from Carriage Complex, Eastern Railway, Kanchrapara for refurbishing at contractor's worksite and after refurbishment the same are to be delivered back by the contractor to Carriage Complex, Eastern Railway, Kanchrapara in a lot/batch size. However, the lot quantity, Lot Nos. and Lot frequency may vary depending on the arising of LHB Wheel Sets with TIMKEN make LHB CTRBs & dismantling of the same.
5. An Indemnity bond amounting to **Rs. 20,53,200.00 (Rupees Twenty lakh fifty-three thousand and two hundred only)** towards the cost of 80 nos. CTRBs are required to be submitted by the firm for taking the delivery of the UIC-130 CTRBs for undertaking the contractual work in hand.
6. The Contractor is to carry out refurbish/recondition/repair the CTRB as per standard procedure for TIMKEN CRBs. After due repair/ refurbished/recondition, the CTRB will be inspected by the authorized representative of M/s TIMKEN India Limited and representative of KPA Workshop and entry will be made in history card regarding satisfactory compliance item wise.
7. The contractor has to carry out repair/refurbishment of UIC-130 CTRBs as per standard procedure for Timken UIC-130 CTRB. After opening of the bearing the same will have to be examined by the authorized representative of Dy. CME/C/Kanchrapara to assess the extent of repair and quantum of replacement of components needed. After due refurbishment, the UIC-130 CTRBs will again be inspected by the authorized representative of Dy.CME/C/KPA and entry made in History card regarding the satisfactory compliance item-wise i.e. inspection by the authorized representative of Dy. CME/C/KPA will have to be undertaken both at the time of disassembly of UIC-130 CTRB for assessment of quantum of repairs required and before assembly of UIC-130 CTIB bearing offered after refurbishment. All the attended UIC-130 CTRB should be marked with Contractors name, Sl. No., date, month & year of repair by the contractor for traceability of the repaired UIC-130 CTRB.

8. The contractor shall arrange for acknowledgement receipt of defective/repairable UIC-130 CTRBs at the time of collection from Carriage Complex, Eastern Railway, Kanchrapara through his authorized representative. Carriage Complex, Eastern Railway, Kanchrapara will acknowledge the receipt of refurbished/irreparable UIC-130 CTRBs on delivery of the same to the authorized representative of Carriage Complex, Eastern Railway, Kanchrapara.
9. The contractor shall maintain History card for each UIC-130 CTRB. The History card should indicate that nature of defects of the parts and details of their refurbishment/ replacement done. Copy of this History card duly certified by the consignee shall be sent along with serviced UIC-130 CTRBs incorporating individual number of UIC-130 CTRBs in each card, to the Carriage Complex, Eastern Railway, Kanchrapara along with Challan and Timken Inspection certificate. In addition to the manual mode, History Cards should be in electronics, retrievable format in a DVD saved with primary key concept of Database Software with object linking & embedding (OLE) or other object embedding mechanism to retrieve the required data easily, just by a click of mouse, as well as maintaining data integrity to avoid data duplication.
10. The Contractor will return all the rejected (scrap) components of the UIC-130 CTRBs which have been replaced with new, to Carriage Complex, Eastern Railway, Kanchrapara as per the endorsement on the History card by the authorized representative of Dy.CME/C/Kanchrapara. The rejected materials must be in numbers as well as in weight. The scrap component box must be marked separately to distinguish them easily.
11. However, for discarded/rejected UIC-130 CTRBs, the labour charges towards washing, buffing, disassembly, inspection & reassembly as well as charges of transportation is payable to the contractor as all the UIC-130 CTRBs undergo these common operations.
12. The contractor shall ensure a Warranty of 48 months after supply of the CTRBs or 36 months after putting into service, whichever is later. CTRBs failed within the Warranty period shall be replaced with Refurbished Bearing on free of cost including to & fro charges of the road transport. It should be ensured that post repairing warranty and assured life of the repaired UIC-130 CTRB is same as that of new one.
13. The UIC-130 CTRBs offered by Carriage Complex, Eastern Railway, Kanchrapara to the representative of the contractor shall be in assembled condition. If any component is found deficient, the details shall be recorded while offering to the representative of the contractor. Each UIC-130 CTRB will consist of the following components.

Sl. No.	Item	Qty. Per Bearing
1.	Double Cup	01 No.
2.	Cone Assembly	02 Nos.
(a)	Cone	02 Nos.
(b)	Roller	02 Nos. (20x2=40 Nos.)
(c)	Cage	02 Nos.
3.	Cone Spacer	01 No.
4.	Plastic Plug	02 Nos.
5.	HDI.(Grease) Seal	02 Nos.
6.	Seal Sleeve/ Sealing Ring	01 No.
7.	Backing Spacer	01 No.
8.	Backing Ring	01 No.
9.	Grease	280 Gms.

14. Packing of all refurbished UIC-130 CTRB will be in polythene paper individually in the PVC make packing box/ RDSO packing standard.

15. SCOPE OF JOB INVOLVEMENT

Refurbishment of Timken make UIC-130 bearings assembled on LHB coaches

- a) Labour charges towards disassembly, washing, buffing, inspection & reassembly.
- b) Must change item like HDI seal, Grease & Cage.
- c) Transportation charges to & fro.
- d) Packing.
- e) Repair of components on condition basis like Double cup, Cone, Roller Set, Backing Ring, Backing spacer, Seal sleeve.
- f) Replacement of components on condition basis like Cone, Roller Set, Backing Ring, Backing spacer, Seal sleeve.
- g) No bearing will be rejected on age basis.

16. COMPLETION TIME

The successful tenderer shall have to execute and complete the refurbishment work within 30 (Thirty) Calendar days, wherein the time will be calculated from the date of lifting of UIC-130 CTRB for refurbishment.

17. Technical Suitability:

The contractor has to ensure reliability and quality of the total bearings tackled to achieve cost benefit of serviced UIC-130 CTRB.