भारत सरकार GOVERNMENT OF INDIA
रेल मंत्रालय MINISTRY OF RAILWAYS
(रेलवे बोर्ड RAILWAY BOARD)

रेल भवन, नई दिल्ली- 110001, तिथि

No. 2015/M(N)/951/32 Rail Bhavan, New Delhi-110001, dated **12.01.2017**

The Chief Mechanical Engineers
All Zonal Railways

Sub: Marking of overhauling particulars of CTRB
Ref: 1) This office letters of even no. dated 11.9.15, 5.10.15 & 2.11.15
2) Minutes of CME Conference Nov 2016 vide lr. No. 2016/M(N)/951/30 dt.9.12.16
3) RDSO letter No. MW/RB/Genl dated 14/12/2016

. . . . .

The problem of non availability of last overhauling particulars being legible on CTRBs backing ring has been a cause of concern, which has led to a no. of cases in the past where bearings even after becoming due continue in operation leading to their failures in some cases.

As a result of these difficulties vide letter u/r (1), it was advised that the overhaul date would be estimated based on the manufacturing date on grease seal and action taken accordingly.

As had been decided during CME conference, the experimental basis use of laser engraving machine by RYPS Workshop/SCR is to be standardized for etch marking, using laser, of the overhaul particulars of the CTRB on the grease seal. Detailed specifications and other particulars of the laser engraving machine has been circulated vide RDSO letter u/r (3).

It is advised that all railways ensure that the CTRB overhaul shops/facilities immediately arrange for laser engraving of overhaul particulars on the grease seal. It is to be ensured that laser engraving of all overhaul particulars on all CTRBs overhauled be implemented latest by 30.4.2017. CTRBs without laser engraving on grease seal shall be treated as NTXR rejectable defect after 30.04.2017 for all POH shops.

Necessary action may please be taken accordingly.

(AJAY NANDAN)
Exec. Director Mech. Engg. (Freight)
Railway Board

CC:
NCO/IRCA

SN176

(16)

e- Office - 243057/16

M(N)

भारत सरकार – रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ – 226011
EPBX (0522) 2451200
Fax (0522) 2458500

सत्यमेव जयते

Government of India - Ministry of Railways
Research Designs & Standards Organisation Lucknow – 226011

DID (0522) 2465777

dswwd.rdso@gmail.com

No. MW/RB/Genl. **Dated: 14/12/2016**

As per enclosed list

Sub: Laser Engraving Machine for marking on Grease Seal of CTRB Class 'E' (6" X11")

Ref: Para 1.23 of Minutes of CME Conference, November 2016 circulated vide Railway Board letter no. 2016/M(N)/951/30 dated 9.12.2016 (Copy enclosed)

In reference to above, it was decided in the meeting that Laser Engraving Machine shall be installed in every Cartridge Tapered Roller Bearing overhauling Workshop for marking of overhauling particulars on Grease Seal of the bearing.

In this regard, S.C.Railway has already installed Laser Engraving Machine in Rayanapadu, Guntupalli Workshop and doing Laser etching marking of overhauling particulars on Grease Seal. Copy of Purchase Order along with Specification of Laser Engraving Machine as procured by Rayanapadu Workshop is enclosed herewith for your reference.

In view of above, it is requested that every Cartridge Tapered Roller Bearings Overhauling Workshop shall procure & install Laser Engraving Machine at the earliest for marking of overhauling particulars on Grease Seal for proper identification & traceability of bearings.

DA: As above (04 page)

14.12.16

(M.K.Pandey)
Director (Wagon)
For Director General (Wagon)

RB

SO(M&W) On CTRB file please. 26/12/16

रेल बोर्ड (Railway Board)
20 DEC 2016

Circulation:

1. **Dir. Mech. Engg. (Frt.) : for kind information please.**
   Railway Board, Rail Bhawan,
   New Delhi -110 001
2. **Executive Director, CAMTECH: for kind information please.**
   Maharajpur, Gwalior (M.P.) - 474 005

3. **The Chief Mechanical Engineer:**

1. Central Railway, C.S.T., Mumbai – 400 001
2. Eastern Railway, Fairlie Place, Kolkata – 700 001
3. East Central Railway, Hajipur – 844 101
4. East Coast Railway, Rail Vihar, B-2, Chandrashekherpur, Bhubaneshwar – 751 023
5. Nothern Railway, Baroda House, New Delhi -110 001
6. North Central Railway, Subedargunj, Allahabad -211 015
7. North Eastern Railway,Gorakhpur-281 001
8. Northeast Frontier Railway, Maligaon, Guwahati -781 001
9. North Western Railway, Near Jawahar Circle, Jaipur – 302 017
10. Southern Railway, NGO Annexe, Park Town, Chennai – 600 003
11. South Central Railway, Rail Nilayam, Secunderabad – 500 371
12. South Eastern Railway,Garden Reach, Kolkata – 700 043
13. South East Central Railway, RE Office Complex, Bilaspur – 495 004
14. South Western Railway, Club Road, Keshwapur, Hubli – 560 023
15. West Central Railway, Opposite Indira Market, Jabalpur – 482 001
16. Western Railway, Churchgate, Maharishi Karve Marg, Mumbai – 400 020

4. **The Chief Works Manager:**

1. Eastern Railway Workshop, Liluah, District: Howrah (West Bengal) – 711 204
2. Eastern Railway Workshop, Jamalpur, District: Munger (Bihar) – 811 214
3. Mechanical Workshop, East Central Railway, Samastipur (Bihar)-848 101
4. Mechanical Workshop, Northern Railway, Civil Albert Road, Amritsar (Punjab)-143 001
5. Mechanical Workshop, Northern Railway, Jagadhari, District : Yamunanagar (Haryana)-135 002
6. Wagon Repair workshop, North central Railway, Jhansi (U.P.)-248 003
7. Loco workshop, North Western Railway, Lal Phatak , Ajmer (Rajsthan)-305 001
8. Carriage & Wagon Workshop, Southern Railway, Perumbur (Tamil Nadu)-600 023
9. Central workshop, Golden Rock (Ponmalai), Tiruchirappalli (Tamil Nadu)-620 004
10. Wagon Workshop, South Eastern Railway, Kharagpur (West Bengal) - 721 301
11. Wagon Repair Workshop, South East Central Railway, Raipur (Chhattisgarh) -490 015
12. Wagon Repair Workshop, West Central Railway, Kota (Rajasthan)-324 002
13. Wagon Repair Workshop, South Central Railway, Guntupalli (A.P.)-521 241
14. Western Railway Workshop, Freelandganj , Dahod, District: Panchmahal (Gujarat)- 389 160
15. Western Railway Workshop, Pratap Nagar, Vadodara (Gujarat)-390 004
16. Carriage &Wagon Workshop, North East Frontier Railway, New Bongaigaon (Assam)-798 381

भारत सरकार /GOVERNMENT OF INDIA
रेल मंत्रालय / MINISTRY OF RAILWAYS
रेलवे बोर्ड / RAILWAY BOARD

No. 2016/M(N)/951/30 New Delhi, Dated: 9.12.2016

Chief Mechanical Engineers,
All Zonal Railways & PUs

CME, COFMOW, New Delhi
CME/KRCL/Navi Mumbai
CME/RWP/Bela

ED(UTHS), ED(MP)
ED(Carriage), ED(Testing)
ED(QA), ED(Wagon),
ED(PS & EMU) RDSO, Lucknow
ED(CAMTECH), Gwalior

CME, Workshop Project, Patna
CME, MCF, Raebareli
CAO/IROAF, New Delhi

Sr. Professor (Mech.), NAIR, Vadodara
Director/IRIMEE, Jamalpur

Sub: Minutes of CME Conference, November 2016.
Ref: Railway Board's letter of even no. dated 28.09.2016 & 29.09.2016

The minutes of the CME Conference held on 4th & 5th November in Mysuru, South Western Railway has been issued and can be downloaded from Railway Board's website www.indianrailways.gov.in. by following the path "**About Indian Railways→Railway Board Directorates→Mechanical Engineering→Circulars→ Mechanical(Freight) →I. Meeting & Conference.**

This is for your kind information and necessary action please.

9/12/16
(Rajesh Kumar)
Dir. Mech. Engg. (Frt.)
Railway Board

Copy to: PSO/MRS for kind information of MRS.
AM (ME), AM (PU)

EDME(Chg.), EDME(W), EDME(Frt.), EDME(Proj.), EDME(EnHM), EDME(Dev.), EDEE(G), DEE(G) for kind information and necessary action please.

S. No.	Action	BY	Time Schedule
	scorching summer season.		
1.15.	Concept of integrated maintenance should be implemented. There should be a single agency for giving fitness of coach, AC attention/linen distribution.	CME	Immediate
1.16.	There is a need to review the specifications of linen items like blankets, face towel and pillows. Introduction of moulded foam pillows which are washable and disposable face towels may be evaluated.	ED/EnHM	Immediate
1.17.	Proper facilities should be developed for fuelling of power cars & DEMU. Oil company should design dispensing units with higher flow rate for power cars so as to reduce the fuelling time.	EDME/Tr	31.12.2016
1.18.	Specification for silicon foam seat cushions should be referred to RDSO for finalization & modification if needed.	EDME/Chg ED/Carr/RDSO	Immediate
1.19.	NFTC boards for flooring to be tried out.	EDME/Chg	Immediate
1.20.	Problem of bulging of sidewalls and other design related issues of BOXNHL wagons needs to be addressed on priority. To prevent bulging of side walls, buttress support provision can be considered during POH as a modification.	ED/Wag	31.12.2016
1.21.	Zonal Railways must plan for repair / replacement of sliding doors fitted in BCNHL wagons as part of regular revenue repair in shops & depots.	CME	31.12.2016
1.22.	BOXNHL wagons fitted with BMBS will now come to Workshops for POH. Zonal Railways must develop capability for repair, maintenance and testing of BMBS in Workshops and open line depots.	CME	31.12.2016
1.23.	Occurrence of hot axle in rolling stock while on run remains a cause of concern. Proper marking after overhauling must be ensured. Possibility of Laser etching for marking on grease seal as tried out by RYPS may be explored.	CME	31.12.2016
1.24.	All cases of cold breakage of axles need to be investigated in detail by Zonal Railways and RDSO.	CME ED/W/RDSO	Immediate
1.25.	Efforts should be made to upgrade the fire safety features of all the coaches. Railways should use infra red cameras to identify the hot spots in electrical panels. RDSO should upgrade the specifications of cables and conduits so that they can block transmission of heat and fire.	All CMEs ED/PS&EMU	31.3.2017

Report Output

[NON-STOCK] DESPATCHED ON: .....

दक्षिणी मध्य रेलवे SOUTH CENTRAL RAILWAY	क्रयादेश PURCHASE ORDER	भंडार विभाग STORES DEPARTMENT

सेवा में To,
सर्वश्री **M/s. MEHTA CAD CAM SYSTEMS PVT LTD.-AHMEDABAD**
4 and 5, 2nd Floor, Sumel Complex, Opp.
GNFC Tower, SG Road,
Ahmedabad - 380059 [Phone: 07926840551]

Office of the Dy.Chief Material Manager, Mech & Genl Stores Depot, S.C.Railway,
Rayanapadu, Guntupalli, A.P 521 241
क्रयादेश संख्या
P.O.No.: **LP-16-5222-1-50228**
क्रयादेश दिनांक P.O.Date: **19/09/16**

अपने प्रस्ताव संख्या Bid-Id 005521174 दिनांक 09/09/16 के संदर्भ में कृपया अधोलिखित प्रेषिती को बिना किसी आकस्मिक प्रभार के, भारतीय रेल ठेके की मानक शर्तों (अद्यतन संस्करण) तथा इस रेल के भंडार विभाग द्वारा जारी ठेके की सामान्य शर्तों और इस ठेके से सम्बन्धित परिशिष्ट के अधीन निम्नांकित सामग्री सुपुदे करें। कृपया इस क्रयादेश की पावती दें।
Reference your Qtn. No. Bid-Id 005521174 dt. 09/09/16, please deliver to the Consignee(s) mentioned below, the under mentioned articles free of incidental charges subject to Indian Railways Standard Conditions of Contract (Latest Edition) and General Conditions of Contract for the Stores Department of this Railway and to the addendum to the same subject applicable to this Contract. Please acknowledge receipt.

SSE/M&P
pl. chase.
for early supply
20/9/16

प्रेषण विधि Mode of despatch	By Road transport.	बिल पासकर्ता Bill Passing Officer	CWM/WWS/GTPL
सुपुदेगी की शर्त Delivery Terms:	Free at Destination.	बिल भुगतानकर्ता Bill Paying Officer:	WAO/WWS/GTPL
सुपुदेगी अवधि Delivery period:	Within 6 weeks.	निरीक्षणकर्ता Inspecting Authority	RITES
प्रेषिती Despatch to:	MILL WRIGHTSHOP/RYP		
भुगतान पद्धति Payment terms	80 percent on receipt/acceptance and 20 percent on installation.		

पी.एल.कूट	कुल क्रयादेश मूल्य **Total Order Value: Rs. 866250.00** (Rupees Eight Lakh Sixty Six Thousand Two Hundred Fifty Only)	मूल्य विभाजन PRICE BREAK-UP	
3801		इकाई दर Basic Rate	825000.00
Laser Engraving Machine as per enclosed specification.		विक्री कर/वैट S.Tax/VAT (%)	5.00
प्रति इकाई दर Basic Rate per Unit: Rs. 825000.00 (Rs. Eight Lakh Twenty Five Thousand Only)			
आदेशित मात्रा Order Qty.: 1.000 Nos.(One Nos.) यूनिट कोड Unit-Code: 01 - Nos.			

प्रेषिती Consignee	कूट Code	मांग सं. Dem.No.	मांग दिनांक Dem.Dt.	सुपुदेगी दिनांक Dely.Date	विनिधान Allocation
MILL WRIGHTSHOP/RYP	098012	98012/M/M&P/16-17/LS-15	25/08/16	05/11/16	P417504

विशेष शर्तें Special Conditions of Contract
2 years warranty.

Copy to: 1) Block copy 2) Supplier copy 3) Receipt Branch copy.
4) CWM/WWS/GTPL 5) WAO/WWS/GTPL 6) CWM/WWS/GTPL 7) MILL WRIGHTSHOP/RYP 8) RITES

बिक्रेता कोड: :22093

Check#: 191126, द्वारा मुद्रित: D0788ADM2

निविदा दिनांक/Advt.Tender opened on : 10/09/16

CH. RAMACHANDRA RAO
DY.CMM_M&G_RYPS
कृते भारत के महामहिम राष्ट्रपति
For & On Behalf of the President of India

No. 59 20/9/16 ALL.

(Enclosure to Indent No.98012/M/M&P/16-17/LS-15, dt.: 25.08.2016)

SPECIFICATION FOR LASER ENGRAVING MACHINE

1. DESCRIPTION :

Laser Engraving Machine equivalent to Model No. EVAN – 30 of M/s Mehta Cad Cam Systems Pvt. Ltd., Ahmedabad.

2. SCOPE :

The Contract Covers supply and commissioning of Laser Engraving Machine to the entire satisfaction of the purchaser.

3. TECHINICAL SPECIFICATIONS:

1.	Wave length	:	1064 mm
2.	Laser Power	:	30 W
3.	Marking Range	:	145 x 145 mm
4.	Single Pulse Energy	:	1 to 30 KHz
5.	Repetition Frequency Range	:	30 – 80 KHz
6.	Min. Line Width	:	Min. 0.03 mm
7.	Max. Speed	:	Max. 10000 mm/s (Linear speed)
8.	Marking Depth	:	0.01~0.3 mm
9.	Power Adjustment Range	:	0~100%
10.	Cooling	:	Air Cooled
11.	Min. Character Height	:	0.5 mm
12.	Output Power Stability	:	<3%
13.	Power consumption	:	250 Watt
14.	Power Supply	:	AC 220 Volt

4. SPARES :

List of recommended spares for two years maintenance should be provided with details of prices and quantities along with the machine.

5. COMMISSIONING AND PROVING OUT:

The successful tenderer shall have to install and commission the Laser Engraving machine immediately on receipt of equipment at Wagon Workshop/ Guntupalli.

6. One copy of the printed illustrative catalogue showing features of the machine and its elements must be enclosed with the bid.

7. The successful tenderer will have to furnish 2 copies of spare parts Catalogue giving the part list number of each component with exploded views and Assembly drawing, maintenance manual, trouble shooting guide, operational manual of the machine and electrical circuit diagrams.

8. Special features incorporated in the machine, if any, shall be indicated separately by the tenderer, clearly indicating the advantages of these features.