

“REQUIREMENTS OF CONSIGNEE INSPECTION”





“REQUIREMENTS OF CONSIGNEE INSPECTION”

**TO KEEP IN MIND
BY THE VENDORS**

INSPECTION CLAUSE

Inspection by Consignee at PLW on the basis of WTC & GC

- **Minimum documentation**
- **Maximum responsibility of the Vendor**
- **All necessary tests/measurements should be done and records should be maintained**



WORK TEST REPORT

Bearing No. - TS2-N332E L1BX CS355 PX1 ZC2

LOT QTY. - 60 Nos. (XA-131 to XA-155 & XA-162 to XA-196)

16.03.2024

SL NO	BEARING SERIAL NUMBER	O.D. REQUIRED SIZE		I.D. REQUIRED SIZE		WIDTH REQUIRED SIZE		CLEARANCE REQUIRED SIZE	MONTH & YEAR CODE
		340.00	+0.000 -0.040	160.00	-0.030 -0.055	68.00	+0.000 -0.250	0.340 to 0.370	
1	XA-131	339.980		159.955		67.980		0.350	03-24
2	XA-132	339.980		159.955		67.980		0.350	
43	XA-179	339.988		159.960		67.930		0.360	
44	XA-180	339.987		159.958		67.950		0.360	
45	XA-181	339.980		159.960		67.930		0.360	
46	XA-182	339.985		159.960		67.940		0.360	
47	XA-183	339.980		159.955		67.970		0.360	
48	XA-184	339.980		159.960		67.950		0.350	
49	XA-185	339.978		159.955		67.970		0.360	
50	XA-186	339.990		159.958		67.960		0.360	
51	XA-187	339.985		159.962		67.950		0.350	
52	XA-188	339.978		159.960		67.980		0.360	
53	XA-189	339.988		159.965		67.960		0.360	
54	XA-190	339.978		159.965		67.950		0.360	
55	XA-191	339.980		159.965		67.960		0.360	
56	XA-192	339.980		159.958		67.970		0.350	
57	XA-193	339.980		159.960		67.950		0.350	
58	XA-194	339.982		159.960		67.950		0.350	
59	XA-195	339.985		159.955		67.970		0.350	
60	XA-196	339.988		159.955		67.970		0.350	

All dimensions in M.M.

Hardness- 58 to 65HRc -Ok

Roughness and MPI checked in process and found ok

Conclusion- Material Found Conformed to above mentioned standrds.



WORK TEST CERTIFICATE

Ref: SLS AB C144

Date: 16.10.2024

1. P.O. No. & Date: 02232342102359 & DATED 22.12.2023

2. Description & Part No. P.L. No.: 11400778

TM DE BRG (DIN 43283-N-332-ECM-SRL 340-370-VA 309)
FOREMD LOCOMOTIVES, SPECIFICATIONS: FRS No. -
MP.0.2402.27(Rev.-01) 2022. STR :- As per ANNEXURE -
A (Para 17 of SPECIFICATIONS FRS No.-MP.0.2402.27
(Rev.-01) April 2022 . TM DE BRG (DIN 43283-N -332-ECM-
SRL 340-370- VA 309)FOR EMD LOCOMOTIVES,
SPECIFICATIONS: FRS No. - MP.0.2402.27 (Rev.- 01)
2022. STR :- As per ANNEXURE - A (Para17 of
SPECIFICATIONS FRS No.-MP.0.2402.27 (Rev.-01)
April2022. Firms accepted offer: TRACTION MOTOR
BEARINGM TS2-N332EL1BXC S355 PX1ZC2 TO NEI DRG.
NO. RBSD-7085 REV A OR LATEST.

3. Challan No. & Date: 24050028 & 11.10.2024

4. GST Invoice No & Date: RJ1124082521 & 11.10.2024

5. CLW Drg. and specification reference: MP.0.2402.27 (Rev.-01) April 2022.

6. Qty.: (A) Ordered Qty. -1017 Nos (C) Previous inspection Qty - 217 Nos

(B) Qty. inspected- 62 Nos

(D) Qty. Balance- 738

7. Addressed of Plant where manufactured: National Engineering Industries Limited
Khatipura Road, Jaipur - 302006 India

8. Vendor identification marking on the components: Serial No mentioned on each bearing
(NBC)

9. Details of packing & Qty. within the Pkg/ Box: Each Bearing Packed in individual CB Box

10. Product Serial No./ Qty. details if applicable: XC-304 & XD-01 TO XD-61

11. Certificate- That the material identification above have been processed tested & inspected
in accordance with the requirements of the P.O. applicable specification including any
amendments and conforms to the requirements thereof. All these relevant records will be
retained for the warranty period.

12. Certified that the material used for manufacturing of bearings TS2-N332E L1BX CS355 PX1
ZC2 have been purchased from RDSO Approved Source/Approved QAP according to
approved drawing.

INSPECTION CLAUSE

**Inspection by Consignee on the basis of
Raw Material test reports of NABL
Accredited or Govt. Approved Labs**

- Validity of Accreditation of the Lab must be checked and ensured**
- Scope of Accreditation also to be checked**



NABL APPROVED/ACCREDITED LABS

- **List of NABL Accredited Laboratories along with scope is easily available on internet.**
- **Details of all the NABL Accredited labs are available on NABL website**
- **URL of NABL website (<https://nabl-india.org>)**





INDUSTRIAL QUALITY CONTROLLERS

[TESTING LABORATORY]

(NABL ACCREDITED LABORATORY)

Head Office & Lab : 27/1-H, Nayan Chand Dutta Street, Kolkata - 700006 | M : 98316 54269

Email : industrial72kol@yahoo.co.in.

Format No : IQC/FM/55



TEST REPORT

Test Report Issued To:	M/S. ALPHA CARBON BRUSH MFG. CO.	Page 4 of 5
Customer Name:	M/S. ALPHA CARBON BRUSH MFG. CO.	
Customer Address	40/1, STRAND ROAD, 2 ND FLOOR, KOLKATA - 700 001.	
Sample Id:	IQC/C/17429	Date of Sample Receiving: 05.02.2024
Sample Description:	Copper Elbow 1 inch X 1.6mmThk.	Date of Testing : 05.02.24 to 07.02.24
Item : Copper Elbow 1 inch X 1.6mmThk.		Samples Stamped As : N/A.
Material Specification :	IS:191(Pt-V),1980 Gr: ETP Copper.	Sample Drawn By : THE CUSTOMER
		Date of Reporting: 07.02.2024
Sample Quantity:	01 NO.	Environmental Condition: Temp. : 24.2 C Humidity: 60%
Job Ref : AB/C-435/23-24	DATE: 05.02.2024	Test Report Number : IQC/C/17429
Name of the Work:	CHEMICAL	ULR No: TC100872400017429F

This is certify that the above sample(s) has/have been tested with following results :

Test Parameters (Chemical Test)	Test Method	Test Results	Specified Value
Cu + Ag %	IS: 440-1964	Mark:1	
Bi %		99.98	99.90 min
Pb %		Below detect level	0.001 max
Imp% (excluding Ag)		Below detect level	0.005 max
		0.01	0.03 max

Remarks: The above test results obtained conform to the specified value

*****End of Report*****

Note:-
Tested Raw Materials
used against PLH Pb.
No. 2024/289/02245
Dt. 20-08-2024



Remarks : When statement of conformity required by customer to a specification or standard for the then laboratory's decision rule will be applied for these tests for which statement of conformity has been claimed by customer

NABL WEBSITE



राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड
National Accreditation Board for Testing and Calibration Laboratories
(A Constituent Board of Quality Council of India / भारतीय गुणवत्ता परिषद)

Follow @NABL_QCI | हिन्दी

Home | About NABL | Assessor Training | Publications | Laboratory Search | Proficiency Testing Provider | Reference Material Producers | Make Payment | Contact us

NABL Grants Accreditation to

- Testing Laboratories as per ISO/IEC 17025
- Calibration Laboratories as per ISO/IEC 17025
- Medical Laboratories as per ISO 15189
- Proficiency Testing Providers (PTP) as per ISO/IEC 17043
- Reference Material Producers (RMP) as per ISO 17034

International Recognition

- ILAC
- APAC

About Accreditation

राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India/ भारतीय गुणवत्ता परिषद)
प्लॉट सं. 45, सैक्टर - 44, गुरुग्राम - 122003, हरियाणा
Plot no. 45, Sector - 44, Gurugram - 122003, Haryana

AHMEDABAD OFFICE

BENGALURU OFFICE

KOLKATA OFFICE

Apply now for NABL accreditation for Testing lab /Calibration lab (ISO/IEC 17025), Medical lab (ISO 15189), PTP , RMP

APPLY online NOW
Click here >>>

Temporary Site Laboratories Testing Aggregates and

Accredited laboratory search

NABL Documents

NABL Updates **Subscribe**

Suspension of Accreditation

Withdrawal of Accreditation

New Apply now for NABL Product Based Accreditation Program

New Government Drinking Water Testing Laboratory Accreditation Program (G-LAP)

NABL WEBSITE

CAB ID

State

Certificate Number

City

Field

TC-10037

TC-12400

TC-10087

Facility

Discipline

Type of CAB

Group

Enter keywords
(Products/Materials
of Test / Specific
tests/Range/
ScopeStandard)

SubGroup

Select Zone

Search

Reset

[Click here for Inte](#)

NABL WEBSITE

Welcome ,

Search Result:1

[Proceed to make new search](#)

[Download Excel](#)

Email	Mobile	Address	State	City	Pincode	Discipline	Group	Certificate Number	Certificate Issue Date	Certificate Valid Till
al29@gmail.com	9903419419	221 KALI TEMPLE ROAD, P.O.- BALTIKURI	West Bengal	Howrah	711113	Mechanical,Chemical	Metallic coatings & treatment solutions,Mechanical Properties of Metals,Metallography Test,Metals & Alloys	TC-11245 View Certificate and Scope of Accreditation	30/12/2022	29/12/2024





National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**MANGALAM MATERIALS TESTING & ENGINEERS
PRIVATE LIMITED**

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

P-83, BENARAS ROAD, BELGACHIA, HOWRAH, WEST BENGAL, INDIA

in the field of

TESTING

Certificate Number: TC-12400

Issue Date: 17/04/2024

Valid Until: 12/10/2025

This certificate supersedes the Certificate No. TC-12400 with issue date 13/10/2023 in view of change in legal entity of the laboratory

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: MANGALAM MATERIALS TESTING & ENGINEERS PRIVATE LIMITED

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MANGALAM MATERIALS TESTING & ENGINEERS PRIVATE LIMITED, P-83, BENARAS ROAD,
BELGACHIA, HOWRAH, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-12400

Page No

1 of 16

Validity

17/04/2024 to 12/10/2025

Last Amended on

-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Testing				
1	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Nickel	IS 11035
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Coated magnetic materials	Coating thickness (using coating thickness meter)	IS 12554 (Part 2) (Annexure C)
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc coated Iron & steel article	Determination of mass of zinc coating	IS 1573 Appendix E
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc coated Iron & steel article	Determination of mass of Zinc Coating	IS 6745 Cl No. 5
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc-Coated Iron & Steel Articles	Uniformity Test	IS 2633 (Cl. 4)
6	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Chromium	IS11035
7	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Copper	IS 11035
8	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Iron	ASTM-E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Iron	IS 11035
10	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Lead	IS11035
11	CHEMICAL- METALS & ALLOYS	Aluminium Base Alloy	Magnesium	ASTM-E 1251

GOVT. APPROVED LABS

- National Test House (NTH)
- National Physical Laboratory (NPL)
- CSIR Labs
- Many other Central & State Govt. Approved Labs
- Shriram Institute of Industrial Research (Shriram Test House)
- Other Private Laboratories

**PLEASE ASK CERTIFICATE OF APPROVAL
IN CASE OF PRIVATE LABORATORY**





NATIONAL TEST HOUSE

A Trusted Name For Quality Testing
More Than 100 Years Of Service



NATIONAL TEST HOUSE

Department of Consumer Affairs, Government
of India

India's Largest Multi Location Testing Lab.



GOVERNMENT OF INDIA
DEPARTMENT OF CONSUMER AFFAIRS
MINISTRY OF CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION



For any query regarding **NTH Services, MIS Application**

Contact us on Whatsapp

9412223550



Scan
reach



TENDERS





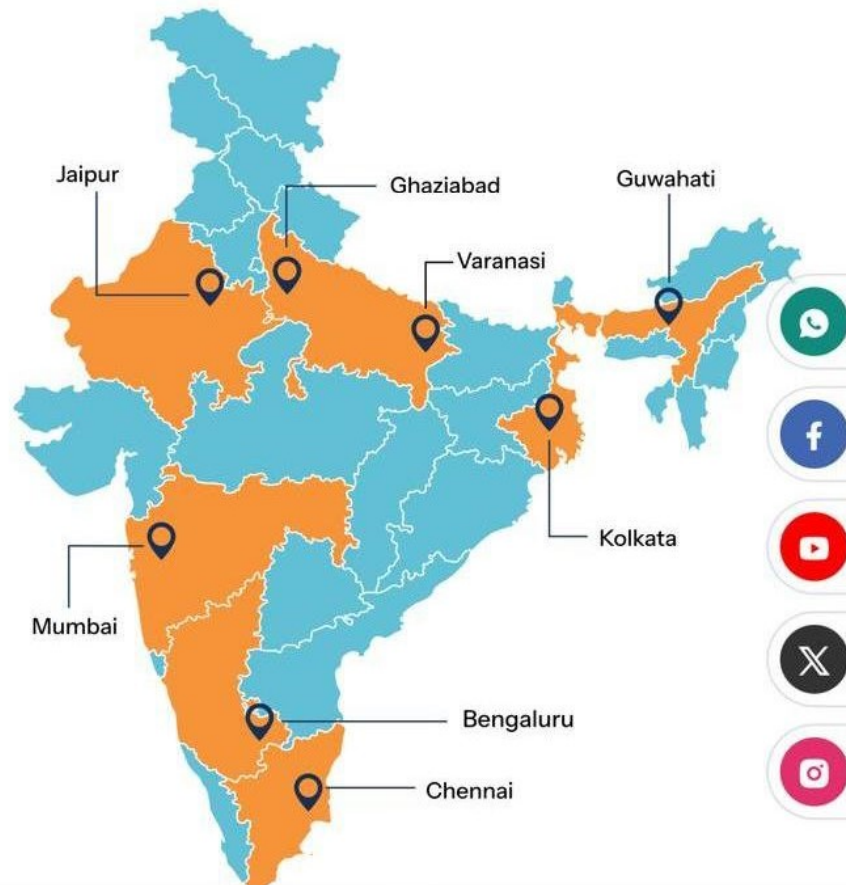
NATIONAL TEST HOUSE

A Trusted Name For Quality Testing
More Than 100 Years Of Service



Contact References of National Test House

Reach out to us and experience our helpful and straightforward process – Your pathway to quality assurance and testing excellence.





वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
Council of Scientific & Industrial Research
(विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार)
Ministry of Science & Technology, Govt. of India



Home / CSIR Labs

CSIR Labs

- [CSIR-Advanced Materials and Processes Research Institute \(CSIR-AMPRI\), Bhopal](#)
- [CSIR-Central Building Research Institute \(CSIR-CBRI\), Roorkee](#)
- [CSIR-Centre for Cellular Molecular](#)



CONSIGNEE INSPECTION ON THE BASIS OF DOCUMENTS

ALL THE NECESSARY DOCUMENTS SHOULD BE
SUBMITTED **IN THE FIRST INSTANCE ITSELF**

- Incomplete documents
- Irrelevant /unnecessary documents
- Illegible documents
- Incomplete Test Reports. **No option other than rejection.**
- Wrong Test Parameters. **No option other than rejection.**



CONSIGNEE INSPECTION ON THE BASIS OF DOCUMENTS

CAREFUL READING of inspection clause

"Consignee at PLW/Patiala" subject to submission of following documents:

1. **Copy of invoices and Test Certificates** of items purchased from approved suppliers of Railways. (Other than Free Supply items).
2. **Material test certificates of all raw materials** used in the shell assembly which have been directly purchased by the supplier from the market.
3. **All metallurgical and UT reports** of plates of thickness more than 12 mm **and DP Test reports of all stages** indicated in the **stage inspection scheme issued by CLW** titled "WAG9 Super Structure Inspection Stage Ver 0.0 dated 09/10/09".
4. **Duly filled-in Internal Check Sheets** of all stages, as per approved QAP of the shell assembly.

CONSEQUENCES OF POOR QUALITY SUPPLY

- **Rejection of material** – financial losses, loss of reputation, delay in production of PLW.
- **Failure under warranty** – more financial losses, more reputation loss, major inconvenience & losses to Railways.
- **Online failure (under/after warranty)** – Accident & Causalities, disruption of train operation, loss of Vendor's reputation at Pan India level



CONSEQUENCES OF INCOMPLETE DOCUMENTS

- **Delay in Consignee Inspection**
- **Delay in payment**



THIRD PARTY INSPECTION

- Almost all the requirements of Consignee Inspection are equally applicable to the TPI Agencies also
- QAP Approval – should cover all quality parameters as pr relevant specification/ drawing/ IS etc.
- Quality of Test Reports/Check Sheets



OTHER DOCUMENTS

DETAILS OF BOUGHT OUT ITEMS				
Sl. No.	Item	Make	IC Details/ TC-GC	Quantity
1	Cow Catcher Assly	M/s. Gauraansh Engg. Works. Pvt. Ltd	TC/GC	11 Set
2	Cab Corner Casting	M/s. Kharagpur Metal Reforming Industries Pvt. Ltd.	AB/05/2024/699 dt. 25.05.2024	11 Set
3	Spring Guide	M/s. Kharagpur Metal Reforming Industries Pvt. Ltd.	AB/05/2024/699 dt. 25.05.2024	11 Set
4	Pivot	M/s. Kharagpur Metal Reforming Industries Pvt. Ltd.	AB/05/2024/699 dt. 25.05.2024	11 Set
5	Copper Pipe Fittings	M/s. Cubex Tubings Limited	ICM/2024/05/SECPL-CLW/CUBEX/ Copper Tubes/ RKS Dt. 24.5.2024	11 Set
6	S.S. Pipe Fittings	M/s. Maxim Tubes Co. Pvt. Ltd.	ICM/24/04/Maxim/SECPL/RKS Dt. 25.04.2024	11 Set
7	Reservoir	M/s. Electro Magnetic Engineering	TC/GC	11 Set
8	Wiper Assly	M/s. Auto Industries	TC/GC	11 Set
9	Interlock	M/s. Patra & Chanda Mfg & Engg (India) Pvt. Ltd.	TC/GC	11 Set
10	Hand Brake	M/s. Mechwel	SKH/02/24/812 Dt. 05.02.2024	11 Set
11	Brake System, CBC Coupler, Cu/SS/Steel Fittings, Draft Gear, Striker Casting	Patjala Locomotive Works	SD/II/PLW/ECS WARD/101477 dt. 08.07.24 SD/II/PLW/ECS WARD/101477 dt. 08.08.24	11 Set



OTHER DOCUMENTS

To,

The Sr. Materials Manager/Stores Depot-2
Patiala Locomotive Works,
Patiala – 147 003,
Punjab

Sub: Declaration for DPT .

Respected Sir,

We hereby declare that, We have done Die Penetration Test in all stages at the time of manufacturing of Complete Shell Assembly for WAG-9 HC Locomotive against your P.O.No. 20241033101473 Dt. 27.06.2024, as per the specification No . CLW/MS/3/152 Alt-10, No deficiencies found.

No. of Shells : 3 Nos. (01/22 to 03/22)

INDEXING OF DOCUMENTS

- In case of more than 8-10 pages, it's better to make an index of documents submitted
- It helps to ensure submission of all necessary documents

INDEX

Ref: Your Order No.20221406100327 DT. 06-03-2023 for supply of wag-9hc LOCO COMPLETE SHELL ASSEMBLY.

Sr. No. 21/29

Description	PAGE NUMBER	REMARKS
PO	01-03	-
MA	04-19	-
Internal insp report (RW1)	20-41	-
Internal insp report (USD)	42-60	-
Internal insp report (RW2)	-	-
Internal insp report (FINAL)	61-69	-
Accountal RM	70-71	-
Accountal BOP	72-73	-
QAP Certificate	83	-
ISO Certificate	81-82	-
WARRANTY CERTIFICATE	84	-
CALIBRATION CERTIFICATE	86-94	-
WELDER CERTIFICATE	95-97	-
TC & Invoice	98-103	-

SAMPLE/PROTOTYPE APPROVAL

Please don't manufacture & supply the material before sample/prototype approval, if so desired as per P.O. condition.



**NEVER COMPROMISE
WITH THE
QUALITY OF RAW MATERIAL**

**CHEMICAL PROPERTIES OF THE MATERIAL
CAN BE CHECKED AT ANY TIME AFTER
SUPPLY, EVEN AFTER WARRANTY PERIOD**



ANY QUERY PLEASE ?

CONTACT:

SANJAY KUMAR CHAUHAN (DY.CQM)

DEPUTY CHIEF QUALITY MANAGER/PLW

MOBILE: 9779242407



THANKS

