



भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
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Government of India-Ministry of Railways
Research Designs & Standards Organisation
Lucknow - 226 011
DID (0522) 2450115
DID (0522) 2465310



AMENDMENT No. 1 To PROVISIONAL SPEED CERTIFICATE

No.	TM/HM/11/57/RGM 96	Date	As Signed
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(A) महाप्रबन्धक (इंजीनियरिंग),

1. मध्य रेलवे, छत्रपति शिवाजी टर्मिनस, मुम्बई- 400 001
2. पूर्व रेलवे, फेयरली प्लेस, कोलकाता- 700 001
3. उत्तर रेलवे, बडौदा हाऊस, नई दिल्ली- 110 001
4. पूर्वोत्तर रेलवे, गोरखपुर- 273 001
5. पूर्वोत्तर फ्रन्टियर रेलवे, मालीगौव, गुवाहाटी- 781 011
6. दक्षिण रेलवे, एनेक्सी, पार्क टाऊन, चेन्नई- 600 003
7. दक्षिण मध्य रेलवे, रेल निलायम, सिकन्दराबाद- 500 071
8. दक्षिण पूर्व रेलवे, गार्डन रीच, कोलकाता- 700 043
9. पश्चिम रेलवे, चर्चगेट, मुम्बई- 400020
10. उत्तर मध्य रेलवे, प्रयागराज- 211 001
11. उत्तर पश्चिम रेलवे, जयपुर- 302 006
12. पूर्व मध्य रेलवे, हाजीपुर- 844 101
13. पूर्व तट रेलवे, रेलवे कॉम्पलेक्स, भुवनेश्वर- 751 023
14. दक्षिण पश्चिम रेलवे, हुबली- 580 023
15. पश्चिम मध्य रेलवे, जबलपुर- 482 001
16. दक्षिण पूर्व मध्य रेलवे, बिलासपुर- 495 004

(B) प्रबन्ध निदेशक,

डेडीकेटेड फ्रेट कोरीडोर कॉर्पोरेशन ऑफ इण्डिया लि0 पाँचवा तल, प्रगति मैदान मेट्रो स्टेशन बिल्डिंग कॉम्पलेक्स नई दिल्ली-110 001

Sub:	Amendment No.1 to Provisional Speed Certificate of Rail Grinding Machine (RGM-96 Stone), Model "RGI Series 96 Stone Rail Grinder" supplied by M/s Loram, USA upto maximum speed of 65 kmph when running on its own power as well as when running in train formation over Indian Railways and over routes of Eastern & Western dedicated freight corridors of DFCCIL.
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Ref:	i) Provisional Speed certificate no. TM/HM/11/57/RGM 96 dated 14.02.2023 ii) Vandhana letter No. 2023-24/RDSO/006/RGM-IR96/226 dated 15.08.2023.
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Provisional Speed Certificate of Rail Grinding Machine (RGM-96 Stone), Model "RGI Series 96 Stone Rail Grinder" supplied by M/s Loram, USA had been issued vide reference above (i). Vandhana letter under reference (ii) above, it has been proposed to revise GA Drawing of BTFLNM1 water wagon and RGM Consist. The proposal has been examined and it has been decided to issue Amendment No.1 with the following modifications to Provisional Speed Certificate:

- i) M/s. LORAM, USA's GA Drg. No. 248516 Rev A for Consist RGM shall be read as GA Drg. No. 248516 Rev B and M/s. TITAGARH Wagons Ltd. GA Drg. No. T/L/W/000022 Alt-00 for Water Car wagon shall be read as GA Drg. No. T/L/W/000022 Alt-01 wherever mentioned in the Provisional Speed Certificate.
- ii) Para 3.2.1.4 & 3.2.2.2 is replaced as follows:-

3.2.1.4	All Standard RDSO spans of BGML, RBG, MBG and 25t-2008 loading are restricted for speed of 60 kmph when running on its own power as well as when running in train formation.
3.2.2.2	All standard RDSO spans of DFC loading are restricted for speed of 60 kmph when running on its own power as well as when running in train formation.

- iii) Existing Para 3.5.1.3 renumbered as 3.5.1.4.
- iv) Para 3.5.1.3 is added as follows:-

3.5.1.3	Stipulations as per para 10436 and 10437 of manual of AC Traction Maintenance and operation, Volume-I, General with latest correction slip must be followed.
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- v) Existing Para 3.6.7 renumbered as 3.6.8
- vi) Para 3.6.7 is added as follows:-

3.6.7	On IR, the operation of the Rail Grinding Machine at locations having fixed structure as per Schedule-II of IRSOD (BG), Revised 2022 shall be as per extent class of ODC.
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ENCLOSURES: / संलग्नक:

i)	Vandhana letter No. 2023-24/RDSO/006/RGM-IR96/226 dated 15.08.2023.
ii)	M/s. LORAM, USA's GA Drg. No. 248516 Rev B for Consist RGM
iii)	M/s. TITAGARH Wagons Ltd. GA Drg. No. T/L/W/000022 Alt-01 for Water Car

(नितिन मेहरोत्रा)
कार्यकारी निदेशक मानक/चालन शक्ति

प्रतिलिपि:

1. सचिव, {यांत्रिक/विद्युत/इंजीनियरिंग(जी)}, रेलवे बोर्ड, रेल भवन, नई दिल्ली— 110001
2. मुख्य रेल संरक्षा आयुक्त, अशोक मार्ग, लखनऊ—226001
3. महाप्रबन्धक (यांत्रिक/विद्युत/संचालन/संकेत एवं दूरसंचार)
 - i) मध्य रेलवे, छत्रपति शिवाजी टर्मिनस मुम्बई— 400 001
 - ii) पूर्व रेलवे, फेयरली प्लेस, कोलकाता— 700 001
 - iii) उत्तर रेलवे, बडौदा हाऊस, नई दिल्ली— 110001
 - iv) पूर्वोत्तर रेलवे, गोरखपुर— 273001
 - v) पूर्वोत्तर फ्रन्टियर रेलवे, मालीगौव, गुवाहाटी— 781 011
 - vi) दक्षिण रेलवे, एनेक्सी, पार्क टाऊन, चेन्नई— 600 003
 - vii) दक्षिण मध्य रेलवे, रेल निलायम, सिकन्दराबाद— 500 071

- viii) दक्षिण पूर्व रेलवे, गार्डन रीच, कोलकाता— 700 043
ix) पश्चिम रेलवे, चर्चगेट, मुम्बई— 400020
x) उत्तर मध्य रेलवे, प्रयागराज— 211 001
xi) उत्तर पश्चिम रेलवे, जयपुर— 302 006
xii) पूर्व मध्य रेलवे, हाजीपुर— 844 101
xiii) पूर्व तट रेलवे, रेलवे कॉम्प्लेक्स, भुवनेश्वर— 751 023
xiv) दक्षिण पश्चिम रेलवे, हुबली— 580 023
xv) पश्चिम मध्य रेलवे, जबलपुर— 482 001
xvi) दक्षिण पूर्व मध्य रेलवे, बिलासपुर— 495 004
4. अध्यक्ष एवं प्रबन्ध निदेशक, कोंकण रेलवे कारपोरेशन लिमिटेड, बेलापुर भवन, सेक्टर-11, सी.बी.डी.बेलापुर नवी मुम्बई-400 614.
5. जी.जी.एम (मेकैनिक्ल/इंजी/यातायात/संकेत एवं दूर संचार) डेडीकेटेड फ्रेट कोरीडोर कॉर्पोरेशन ऑफ इण्डिया लि0, नई दिल्ली-110001.

ENCLOSURES:/ संलग्नक:

i)	Vandhana letter No. 2023-24/RDSO/006/RGM-IR96/226 dated 15.08.2023.
ii)	M/s. LORAM, USA's GA Drg. No. 248516 Rev B for Consist RGM
iii)	M/s. TITAGARH Wagons Ltd. GA Drg. No. T/L/W/000022 Alt-01 for Water Car

(Signed)

(नितिन मेहरोत्रा)

कार्यकारी निदेशक मानक/चालन शक्ति



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2023-24/RDSO/006/RGM-IR96/226

15th August 2023

Director/TM-VI,
RDSO, Ministry of Railway
Manak Nagar,
Lucknow - 226011

Sub: Additional Clarification to Revised GAD of BTFLNM1 Wagon and RGI96 Consist Layout Drawing

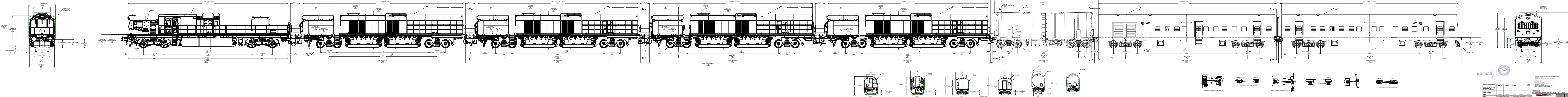
- Ref 1. Contract No. 2019/Track-III/MC/3 dated 30.04.2020 for supply of 10 (Ten) Nos Switch Rail Grinding Machine (RGM 96 Stone) Model "RGI Series 96 Stone Rail Grinder"
2. Revised Final Speed Certificate for Operation dated 28 January 2021
3. Provisional Speed Certificate for Operation TM/HM/11/57/RGM 96 dated 14.02.2023
4. 2023-24/RDSO/006/RGM-IR96/227 dated 12th August 2023

1. Reference is VIPL letter 2023-24/RDSO/006/RGM-IR96/226 dated 12th August 2023
2. In the BTFLNM1 GAD drawing # T/L/W/000022 Alt-00 supplied by M/s Titagarh Wagons Ltd, and the maximum height of the water car was 4415mm with the flow meter in place.
3. As the flow meter requirement is dropped, revised drawings T/L/W/000022 Alt-01 and RGI96 GAD are generated after incorporation these changes. The maximum height of water car from rail level now is 4344mm (up to the catwalk).
4. These revised drawings T/L/W/000022 Alt-01 and RGI96 Consist GAD are submitted to RDSO for reconsideration, please.


(B Venket Rao)
Senior VP-Operations & Strategy
Vandhana International Pvt Ltd
New Delhi



Machine: Rail Grinding Machine (RGM-96 Stone),
Model "RGI Series 96 Stone Rail Grinder"

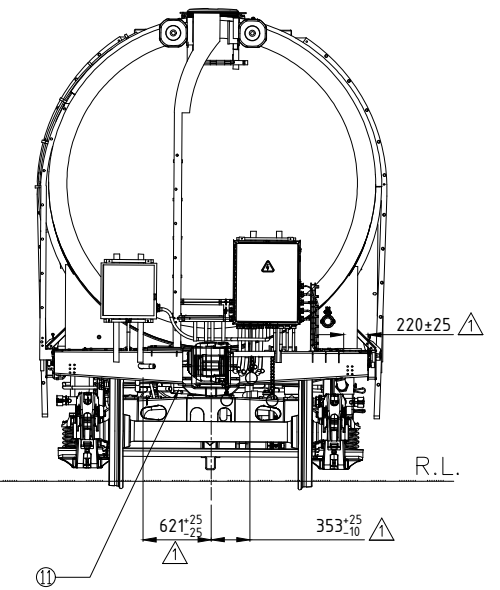
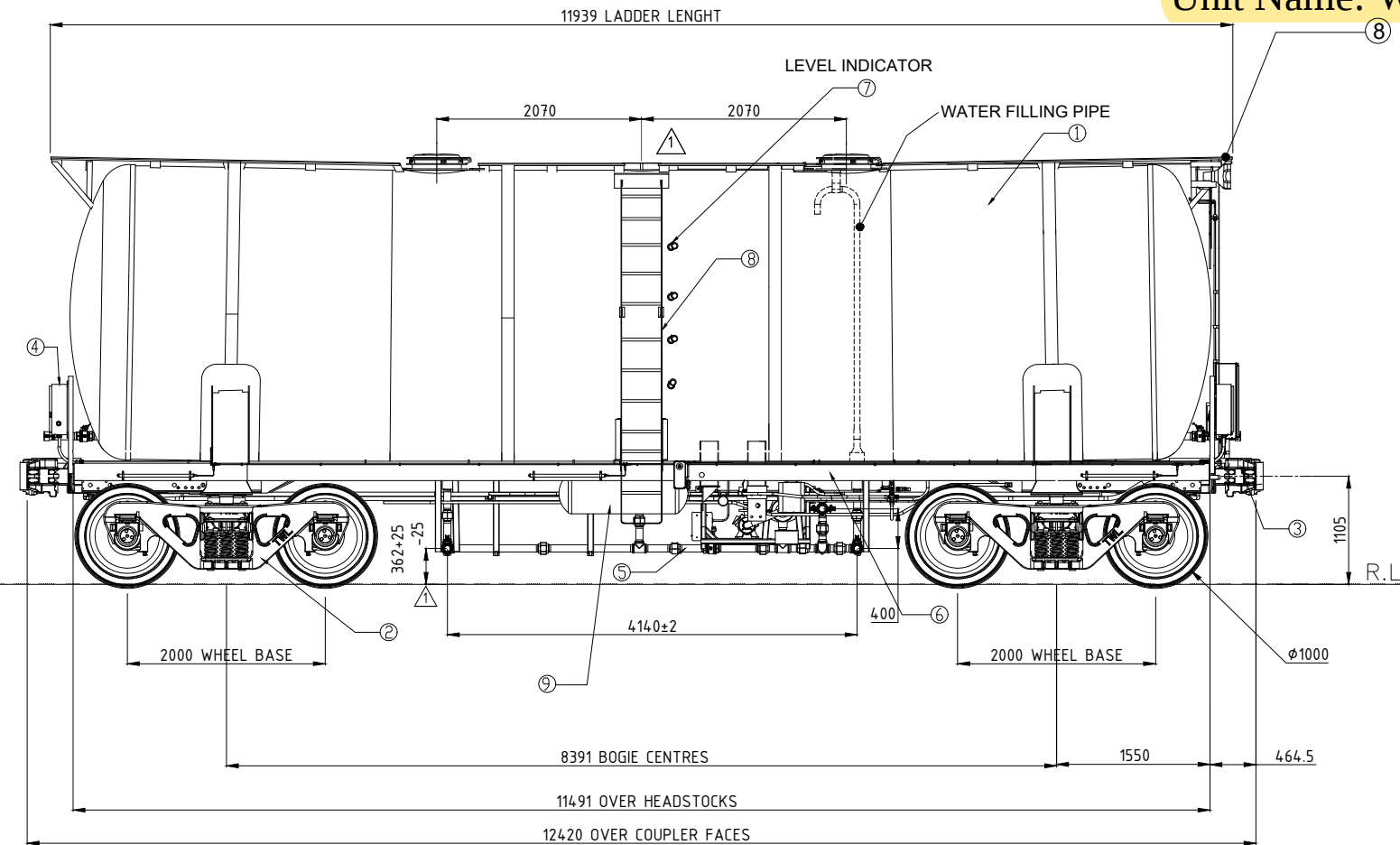
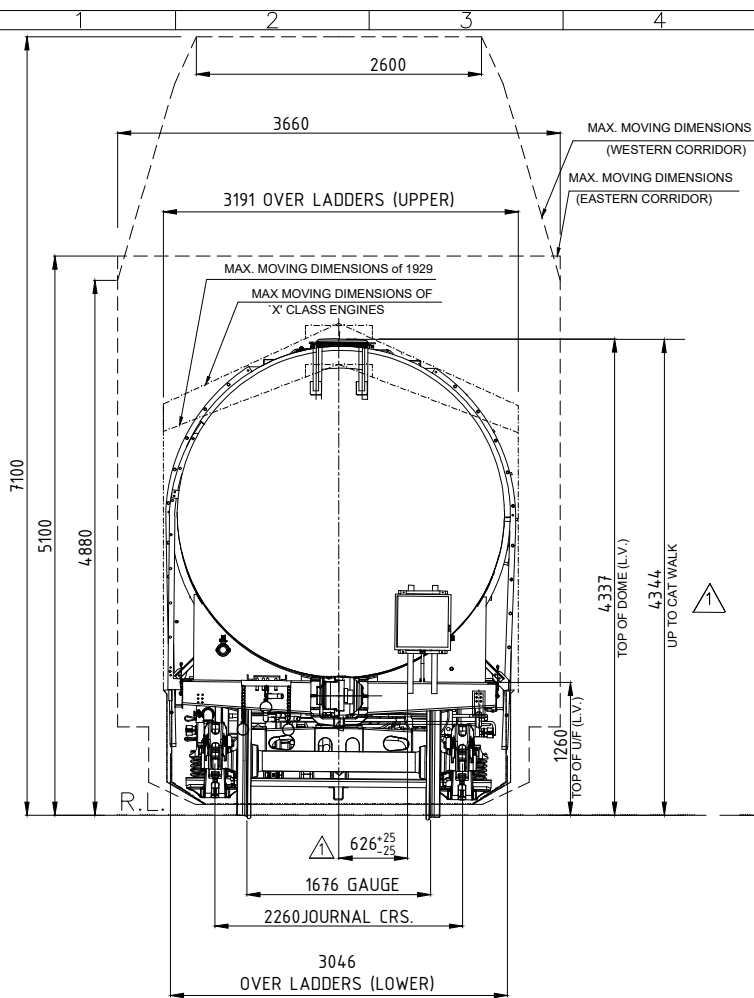


2021/1/1

NO.	REVISION	DATE	BY	CHKD.	APPD.
1	INITIAL DESIGN	2021/1/1	...	...	...
2	...	...	...	...	...
3	...	...	...	...	...
4	...	...	...	...	...
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24816

Machine: Rail Grinding Machine (RGM-96 Stone),
Model "RGI Series 96 Stone Rail Grinder"
Unit Name: Water Car



Water Wagon GAD No.M/s RITES drawing No. MDD-FTW-6315-002 Alt.-2 has been used with same Bogie & Suspension arrgt,drawing for Water car. Re-arranging Water pipe & Air pipeing with drawing no.T/BTFLNM1-T/L/W/000022. Bogie-Casnut 22 HS & Suspension drawing no.WD-04038/S1 Speed Certification No. MW/BTFLN Dated.31-03-2021.

S.No.	DESCRIPTION	REF. DRG.	QTY/PER WAGON.
1	TANK BARREL ARRANGEMENT	RSD-6315-009	01 NOS
2	BOGIE GENERAL ARRANGEMENT	WD-04038-S/2	02 NOS
3	ARRANGEMENT CENTRE BUFFER COUPLER	WD-81010-S-03	02 NOS
4	ELECTRICAL EQUIPMENT	TWL/EBD/0000012	01 SET
5	WATER PIPE ASSEMBLY	T/L/W/0000014/1	01 SET
6	ADDITIONAL STRUCTURE ON UNDERFRAME	-	01 SET
7	WATER LEVEL INDICATORS	-	01 SET
8	LADDERS AND PLATFORM ARRANGEMENT	RSD-6315-016	01 SET
9	AIR BREAK ARRANGEMENT (BOGIE MOUNTED AIR BRAKE SYSTEM)	RSD-6315-056	01 SET
10	UNCOUPLING GEAR ARRANGEMENT		02 NOS
11	AIR BRAKE PIPE DETAILS	RSD-6315-058	01 SET

	10.08.2023	Flow meter removed & Drawing revised	SHILENDRA SIGNH	APURBA DAS
REV	DATE	DESCRIPTION	REV BY	APPD. BY

NOTE-

1. VOLUMETRIC CAPACITY OF THE BARREL IS 76m³.
2. MAXIMUM OF 55000 LITER WATER CAN BE CARRIED.
3. WATER LEVEL LOOKING GLASS ARE PROVIDED ON SIDE FOR 75%, 50%, 25% & 10% OF WATER.
4. PUMP POWER WILL BE CUT AFTER REACHING WATER LEVEL 100% (55000ltrs) & BELOW THE 5% (2825ltrs) OF WATER LEVEL.



TITAGARH WAGONS LIMITED

DRAWN	K.MISHRA	4/03/22
CHKD	S. SINGH	6/03/22
PASSED	A. DAS	7/03/22
SCALE	NTS	

2	BTFLNM1 WATER TANK WAGON
2	G.A. DIAGRAM

SCALE	NTS
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IT	Ref. Drg. No.
R	LORAM-249153,
JR	BSD-6315-102

Drg. No.	T/L/W/000022
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Alt.-01