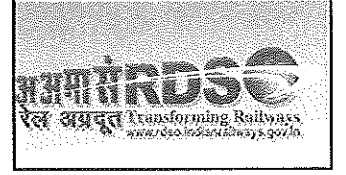




भारत सरकार - रेल मंत्रालय
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Om Prakash Kesari
Executive Director Standards Electrical/Cord

D.O. Letter No.EL.8.5.10.1

Dated:07.12.2015

Dear Shri Navin Tandon,

Sub: PCDO for the month of November - 2015

1.0 HIGHLIGHTS:

1.1 60th Electrical Standards Committee(ESC) meeting :

Final copy of Minutes of Meeting(MOM) of 60th Electrical Standards Committee(ESC) meeting held in Southern Railway on 26th & 27th October'2015 was sent to Railway Board vide letter no. EL/ESC/60th dated 24.11.2015 for perusal & approval.

1.2 Distributed Power Wireless Control System :

Meeting with OEMs & CLW held at RDSO on 04.11.2015 to discuss the requirements of Interoperability & SIL (Safety Integrity Level) certification of DPWCS provided on Conventional & 3-phase Electric Locomotives. Minutes of meeting was circulated vide letter No. EL/3.1.3/WMUCS dated 05.11.2015.

2.0 DEVELOPMENTAL ACTIVITIES:

2.1 Procurement of Energy efficient HOG Train Power Supply System:

RDSO vide letter no. EL/11.5.5/6 dated 02.11.15, requested CLW to turn out WAP-7 locomotive with the second unit of hotel load converter to be supplied by M/s Medha with the modified traction transformer (7775 kVA) having two independent hotel load winding. RDSO has

scrutinized the routine test protocol of M/s Medha and comments sent to the firm vide letter no. EL/11.5.5/6/Medha dated 23.11.15.

2.2 Modification of power cars and coaches suitable for HOG scheme:

RDSO vide letter no. EL/11.5.5/6 dated 16.11.15 has advised M/s. Siemens to carry out the modifications in Mumbai Rajdhani LHB coaches to suit the HOG operation as per RDSO modification sheet no. RDSO/PE/MS/AC/0051-2011 (Rev.1) & its amendment-1 issued vide letter no. EL/1.6.9.22 dated 24.09.15 by 15.12.15. Thereafter , HOG for the following trains have been planned:

- (i) August Kranti Rajdhani Express
- (ii) Sealdah Rajdhani Express
- (iii) HWH Rajdhani Express
- (iv) Jammu Tavi Rajdhani Express
- (v) Secunderabad Rajdhani Express

2.3 Modification of slack adjuster assembly:

Amendment to RDSO modification sheet no. RDSO/2015/EL/MS/0441 (Rev-0) dated 26.10.2015 for Modification to avoid dropping of slack adjuster assembly (Bottom) in case of brakeage of its split cotter pin in 3-phase WAP-7 loco has been issued vide this office letter no. EL/3.1.35/2 (Brake lever) dated 26.10.2015.

2.4 Standardization of enclosure material:

CLW vide RDSO letter no. EL/3.1.35/17 dated 17.11.15 is advised to incorporate stainless steel grade 304 as per ASTM-A240 for traction converter and auxiliary converter enclosure in their specifications.

3.0 QUALITY AUDIT:

3.1 Oil Free Compressor Model BURAN - 22:

The performance evaluation test for manufacturing of oil free compressor model Buran 22 with LHP motor for 3 phase Electric Locomotive of M/s. Faiveley Transport/ Hosur have been carried out on 12.09.15 to 21.09.2015 as per RDSO specification no. RDSO/2008/EL/SPEC/0076, Rev. 2. The dispatch clearance for the oil free compressor model BURAN

- 22 is accorded after its fitment trial vide RDSO letter no EL/3.2.15/ (oil free) dated 09.11.2015.

3.2 Panel mounted brake system :

The quality audit for manufacturing of Panel mounted brake system of IRAB 9/10 for conventional electric locomotive of M/s. Faiveley Transport, Hosur have been carried out from 18.09.15 to 21.09.2015 as per RDSO specification no. ELRS/SPEC/PBS/0034 Rev 1 and RDSO technical circular no RDSO/ 2012/EL/TC/0116,Rev.0 dated 01.10.2012 at firm's premises. Resubmission of QAP incorporating the changes is still awaited.

3.3 Oil free Compressor model VV 270-T :

The quality audit for manufacturing of Oil free Compressor model VV 270-T for 3-phase & WAP-4 Electric locomotive of M/s. Knorr Bremse India Private limited/Palwal have been carried out on 13.10.15 to 16.10.2015 as per RDSO Specification no. RDSO/2008/EL/Spec/0076 Rev.02 Aug 2013. The quality audit report has been approved by competent authority and informed to firm vide RDSO letter no EL/3.2.15/ oil free dated 05.11.2015.

3.4 180 KVA Static Converter:

The quality audit for manufacturing of 180 KVA Static Converter for conventional Electric locomotive of M/s. Hind Rectifier / DDN plant has been carried out on 18.08.2015 to 21.08.2015 as per RDSO Specification no. ELRS/SPEC/SI/0018 Rev.01 March 2006 The quality audit report has been approved by competent authority and informed to firm vide RDSO letter no EL/1.2.9.1 (Hind) dated 02.11.2015.

3.5 30kW motor for Oil Cooling Unit :

Meeting held at RDSO on 26.11.2015 with OEMs to discuss the performance of 30kW motor for Oil Cooling Unit & Oil Cooling Unit with Aluminium Impeller & casing. It was decided that besides strengthening the insulation of overhang portion; provision of a low pass filter of suitable rating at motor terminal may be thought of to avoid failures of motor due to excessive harmonics in 3 phase locomotives.

3.6 6531 kVA Transformer:

Prototype testing of 6531 kVA transformer of three phase locomotives manufactured by M/s HIRECT (Dehradun Works) has been witnessed jointly by RDSO and CLW representatives at the works of M/s HIRECT/Dehradun.

3.7 7775 kVA Transformer :

Prototype testing of 7775 kVA transformer of three phase locomotives manufactured by M/s CGL/Mandideep has been done at the works of M/s CGL/Mandideep and witnessed by RDSO and CLW representatives jointly.

3.8 Cable Transit System

Prototype testing of cable transit system with EPDM rubber modules for electric locomotives of M/s Wallmax/Faridabad has been done and witnessed by RDSO representative.

4.0 SPECIFICATION:

4.1 High Reach Pantograph

Revised technical specification no RDSO/2007/EL/SPEC/ 0054 Rev 2 dated Nov 2015 for high reach pantograph for AC Electric locomotive has been issued vide RDSO letter no EL/2.2.1/High Reach dated 04.11.2015.

4.2 Manufacturing/ Repairing Loco/EMU Transformers:

The schedule of Technical Requirement (STR No. RDSO/2009/EL/STR/0053, Rev. 0) for manufacturing/ repairing and testing of Conventional loco/EMU Transformers has been revised and Rev.1 of STR has been uploaded on RDSO website for comments and suggestions. The draft STR has also been sent to suppliers of Conventional loco/EMU Transformer for comments/suggestions.

4.3 Pressing-In Of Wheels On Axles :

Technical Circular No. RDSO/2015/EL/TC/0132 (Rev.0) for procedure for pressing-in of wheels on axles in electric locomotives has been issued vide this office letter no. EL/3.2.108 dated 05.10.2015.

4.4 Ultrasonic testing (UST) procedure for axles :

Revision of Technical Circular No. ELRS/TC/0047 (2000)-Rev.02 for Ultrasonic testing (UST) procedure for axles of electric locomotives has been issued vide this office letter no. EL/3.2.108 dated 19.10.2015.

4.5 Maintenance Of Axle Box Bearing:

Revision of SMI no. RDSO/2007/EL/SMI/0246 (Rev-01) dated 26.11.2015 for maintenance of axle box bearing for WAP-7 & WAG-9/WAG-9H locos has been issued vide this office letter no. EL/3.2.108 (3-Phase) dated 26.11.2015.

with regards,

Yours sincerely,

Om Prakash Kesari 07.12.15
(Om Prakash Kesari)

**Shri Navin Tandon,
Member Electrical,
Railway Board, Rail Bhawan,
New Delhi-110001.**

Copy to-

1. Additional Member(Electrical),
Railway Board, Rail Bhawan,] for kind information
New Delhi]
2. Secy to DG/RDSO]

(Om Prakash Kesari)
For Director General/Electrical