

Minutes of video conference(Webex) held on 02.09.2020

During the conference on 02.09.2020, the following points were discussed.

SL No	Description	Action to be taken by/TDC
1.0	Review of actionable items of previous minutes of VCs	
1.1	Listing and Compliance of deficiencies after commissioning at Janai Road(JOX), Baruipara (BRPA) and Dankuni (DKAE) of HWH division is to be sent by 05.09.2020.	Sr.DSTE/HWH
1.2	Benchmarking of Disconnection memos for all stations to be computed and furnished by divisions by 05.09.2020.	All Sr.DSTEs
1.3	Regarding quad cable condition improvement, Sr DSTE/MLDT mentioned that out of 67 block sections, Quad cable parameters in 34 are bad. Work is sanctioned for 14 block sections. Action plan for repairing 14 sections and also 20 sections where no work is sanctioned. Pre-commissioning check list to be re verified for failure prone sections.	Sr.DSTE/MLDT
1.3.1	Similar action plan is to be made by other divisions to rectify Quad cables. Action plan section wise to be submitted to HQ by 08.09.2020.	All Sr.DSTEs
1.4	Identification of locations where cables underneath track are unprotected ,to be done expeditiously. List of all such locations to be prepared by 08.09.2020. Action plan for protection of such cables to be intimated to HQ by 10.09.2020.	All Sr.DSTEs
1.5	Networking in datalogger in 03 stations in HWH division, 02 stations in SDAH div and 03 in MLDT are to be expedited and TDC decided.	Sr.DSTE/HWH, SDAH, MLDT
1.6	Failure prone stations are to be identified by divisions and shall be inspected in detail by ADSTE/DSTE. Inspection note to be issued and compliance to be monitored. Minimum one station in every SSE's section must be improved in this manner per month.	All Sr.DSTEs
2.0	Review of failures during the period:-	

2.1	Out of total 145 failures during the period, 21 were discussed due to their seriousness and systemic in nature. Division wise breakup is as following :-	All Sr.DSTEs																		
	<table><tr><th>Division</th><th>TOTAL FAILURE (From 24th to 30th AUG, 2020)</th><th>Failure Discussed</th></tr><tr><td>HWH</td><td>22</td><td>5</td></tr><tr><td>SDAH</td><td>56</td><td>8</td></tr><tr><td>ASN</td><td>25</td><td>4</td></tr><tr><td>MLDT</td><td>42</td><td>4</td></tr><tr><td>Total</td><td>145</td><td>21</td></tr></table>		Division	TOTAL FAILURE (From 24 th to 30 th AUG, 2020)	Failure Discussed	HWH	22	5	SDAH	56	8	ASN	25	4	MLDT	42	4	Total	145	21
	Division		TOTAL FAILURE (From 24 th to 30 th AUG, 2020)	Failure Discussed																
	HWH		22	5																
	SDAH		56	8																
	ASN		25	4																
	MLDT		42	4																
Total	145	21																		
2.2	In Cable fault at Brace Bridge of SDAH division on 30/08/2020, investigation at Officer's level is to be done, root cause identified and report prepared.	Sr.DSTE/HWH																		
2.3	Mini IPS failure of Dankuni/HWH Div:-,As the equipment is under trial,all such failures to be properly documented.Joint report with firm's representative to be prepared and communicate to HQ for intimation to RDSO	Sr.DSTE/HWH																		
2.4	21XR failure at Janai Road/HWH DIV is a repeated failure.Division informed that investigation revealed that Transmitter and Receiver cables have been laid together which is wrong as per installation manual.Letter to be written to Dy.CSTE/CON to take up the matter with the responsible staff and educate all concerned	Sr.DSTE/HWH																		
2.5	Glue joint failed at Waria/ASN Div:-Failure of Glued Joint does not happen over night, therefore,list of failure prone G/Js to be prepared jointly by Engg and S&T supervisors and to be updated every month.Sr. DEN to be pursued to make action plan for elimination of such G/Js	All Sr.DSTEs																		
2.6	Directed maintenance to be taken up inlchhapur station/SDAH Div	Sr.DSTE/SDAH																		
2.7	There are many instances of PPTC fuse failures. It has been informed by divisions that a circular of PPTC fuses exists in ER. There is no provision of putting ND fuses in parallel to PPTC in the circular. The circular needs to be modified.	CSE DyCSTE/HQ																		
2.8	Sr.DSTE/MLDT informed that some point machine failures have occurred in recent past due to ageing effect. PCSTE instructed to put more maintenance effort on such gears which are overdue for replacement.	All Sr.DSTEs																		
2.9	Due to large number of a/cfailures on account of telecom staff working in OFC/Quad cable, PCSTE has categorically instructed that TCM/WTMs should	All Sr.DSTEs																		

	avail disconnection before starting work on Quad cables carrying block circuits.	
2.9.1	Quad cable parameter measurements should follow RDSO letter no.STS/E/SSDAC/SPN/177 dated 28/30.08.2006(letter attached).	All Sr.DSTEs
2.9.2	Latest RDSO TAN to be followed for power supply to dual VDUs in EI.	All Sr.DSTEs
3.0	PCPO has circulated man power planning target for the year 2020-21.As per this 308 NG S&T posts have been created during the year 2018-19 and 2019-20. Demand for Direct Quota portion should be ensured to be placed with RRB/RRC if not already done.PCSTE instructed to fill the vacancies against promotional quota in a time bound manner.Non filling of new posts defeat the justification of new creation	All Sr.DSTEs
4.0	TIB at three stations Madhyamgram(SDAH),MLDT and HWH Jn TIB has been connected with NTES, which is laudable . 35 more stations over year are feasible for NTES connectivity. Proper and reliable connectivity is to be planned and ensured	Sr.DSTE/HWH,MLDT,SDAH
4.1	Classification of Walkie Talkie sets under repair to be done in Repaireable/Beyond repair	All Sr.DSTEs
5.0	The format for database required to be maintained at divisional hq for signaling and telecom items has been circulated.This exercise must be completed in a fortnight.	All Sr.DSTEs
6.0	Following assistance sought by divisions	
6.1	Sr.DSTE/MLDT has requested for speedy supply of critical items e.g RR Cell, LED signal, QN1 and QTA2 relays as these are covered under AAC of stock item	Dy.CSTE/HQ
6.2	Sr.DSTE/HWH has requested to stock insulation items of TWS. It was advised that item may be first purchased under non stock category	Sr.DSTE/HWH Dy.CSTE/HQ
6.3	Sr.DSTE/SDAH has requested to expedite joining of SSE/Drg who is to be relieved by ASN Divn. SrDSTE/ASN may expedite relieving of concerned person	Sr.DSTE/ASN

(S.Mukherjee)
CSE/ER

Copy to CSTE/Plg/HQ,CCE/ER,Dy.CSTE/HQ, ,
Sr.DSTE/HWH,SDAH,ASN,MLDT,

Page 6 of 21	Date of issue 01.05.2012	Pre-commissioning Check List for Single-Section Digital Axle Counter (ver: D01S006 H04 for AM, & D01S006 H05 for Phase) of M/s CEL (Updated on 01.05.2012)	SIG 0605	Ver 3
--------------	-----------------------------	---	-------------	-------

3 Outdoor Quad Cable

3. Outdoor (Quad Cable/PIJF twisted pairs telecom cable for Axle counter system working in station area, As per RDSO letter no. STS/E/SSDAC/SPN/177 dated-28/30.08.2006)

3.1 Test format for testing of QUAD cable/PIJF twisted pair telecom cable before commissioning of SSDAC in Station area

SL NO.	ITEM	EXPECTED	MEASURED/ OBSERVED	REMARKS (OK/NOT OK)
3.1.1	Communication Media Type of Cable	Only Proper pair of wires of Quad cable is to be used for connectivity between field units. No Signaling Cable is to be used in totality / parts. Annex-i for Quad cable may be referred. Wiring practices should be adopted in accordance to TAN 6001 dt 04.10.2011 See annexure -iii		
3.1.2	Use of pair	Proper pair of wires to be used for connectivity. Annexure – i for quad cable may be referred. Wiring practices should be adopted in accordance to TAN 6001 dt 04.10.2011 See annexure -iii		
3.1.3	Duplication of Wires	No wires to be paralleled for reducing conductor resistance.		
3.1.4	Insulation Resistance of Quad cable	Shall be greater than /equal to 10 M ohm.		
3.1.5	Loop Resistance of designated pair	Not to exceed 56 ohm/Kms at 20° C. See Annexure – ii for correction factor.		
3.1.6	Attenuation loss of cable between one SSDAC to other, measured at 2 KHz	Shall not be greater than 30.0 dB for full length of the cable (including tail cables) used.		
3.1.7	Near End Cross Talk (NEXT)	Shall be better than 55 dB for Quad cable.		
3.1.8	Far End Cross Talk (FEXT)	Shall be better than 55 dB for Quad cable.		
3.1.9	Continuity of cable armour	Continuity shall be there and armour of the cable must be earthed Wiring practices should be adopted in accordance to TAN 6001 dt 04.10.2011 See annexure -iii		
3.1.10	Separate Earth of Quad/PIJF telecom cable	Shall be ≤ One ohm		
3.1.11	Cable allocation table	Shall be filled up & attached		
3.1.12	Unused Quad pair	To be terminated on terminals.		
3.1.13	Dressing of Quad pair	To be properly dressed with insulated tape.		
3.1.14	Spiral before termination.	No individual conductor to be made spiral		

Signature of CEL Rep
With Name, Designation & Date

Signature of Railway Rep.
With Name, Designation & Date

Page 7 of 21	Date of issue 01.05.2012	Pre-commissioning Check List for Single-Section Digital Axle Counter (ver: D01S006 H04 for AM, & D01S006 H05 for Phase) of M/s CEL (Updated on 01.05.2012)	SIG 0605	Ver 3
--------------	-----------------------------	---	-------------	-------

3.2 Test format for testing of QUAD cable before commissioning of SSDACC/ SSBPAC
(D) used in **between Station to station**

Sl. No.	Item	Expected	Measured / Observed	Remarks (OK / Not OK)
3.2.1	QUAD / PIJF			
3.2.1.1	Communication Media Type of Cable	Jelly filled telecom cable / Only Proper pair of wires of Quad cable is to be used for connectivity between field units & OFC Equipment room. Signaling Cable shall not be used at all. Wiring practices should be adopted in accordance to TAN 6001 dt 04.10.2011 See annexure -iii		
3.2.1.2	Use of pair	Proper pair of wires to be used for connectivity. Annex-i for quad cable may be referred Wiring practices should be adopted in accordance to TAN 6001 dt 04.10.2011 See annexure -iii		
3.2.1.3	Duplication of Wires	No wires to be paralleled for reducing conductor resistance.		
3.2.1.4	Insulation resistance of Quad cable	Shall be greater than /equal to 10 M ohm.		
3.2.1.5	Loop resistance of designated pair	Not to exceed 56 ohm/Kms at 20 ^o C for Quad cable & _____* ohm / Kms for PIJF telecom cable. See annexure – ii for correction factor.		
3.2.1.6	Earth of quad cable	Shall be less than One ohm		
3.2.1.7	Cable allocation table	Shall be filled up & attached		
3.2.1.8	Unused Quad pair	To be terminated on terminals.		
3.2.1.9	Dressing of Quad pair	To be properly dressed with insulated tape.		
3.2.1.10	Spiral before termination.	No individual conductor to be made spiral		

Signature of CEL Rep
With Name, Designation & Date

Signature of Railway Rep.
With Name, Designation & Date