



General Managers' Office
Engineering Branch
Jabalpur

West Central Railway

No. W-HQ/W-4/Track-II/Policy/Circulars/8

Date : 18.09.2019

CTE PROCEDURE ORDER NO. 08/2019-20

CAO(C)/WCR/JBP
CPM/ED - IRCON/Katni
CPM/ED - RVNL/BPL-I & II & KOTA

Sub: Check List for JAG & SAG Joint Inspection for commissioning of NL/DL/TL etc.

- Ref : (i) CRS/CC letter No. C-8B(5)/2019/450 dtd. 07.05.2019.
(ii) CRS/CC letter No. C-8B(5)/2019/657 dtd. 05.07.2019.
(iii) CRS/CC letter No. C-8B(9)/2019/812 dtd. 09.09.2019.
(iv) CRS/CC letter No. C-12(215)/2019/340 dtd. 03.04.2019.
(v) CRS/CC letter No. 6-12B(Kota)/2018 dtd. 02.08.2019.

In view of the instructions issued by the CRS/Central Circle/Mumbai from time to time under reference above, following Check List is issued hereby for the guidance of officer doing JAG or SAG Joint Inspection before opening/commissioning of any NL/DL/TL. JAG or SAG Joint Inspection must cover all safety works executed at site & should not be confined to this checklist only.

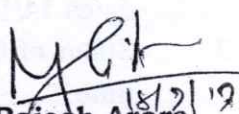
Check List for JAG & SAG Joint Inspection for commissioning of NL/DL/TL etc

1. Status of Supply of Safety T&P as per PCE Circular No.22/2018-19 dated 14/11.9.18. However, supply of critical T&P (USFD machines, Push / Motor trolley, AT welding equipment, Off Track tampers) to be ensured at the time of SAG joint inspection.
2. Supply of critical & important P-way fittings/ materials as per PCE Circular No.22/2018 -19 dated 14/11.9.18
3. Status of Central drain and side drains as per the location furnished by Open line from time to time.
4. Status of cuttings and protective arrangement at the location furnished by Open line from time to time.
5. Status of Trolley refuges should be given.
6. Supply of T&P at LC gates.
7. Provision of Gauge Face Lubricator on curves more than 2 degree as per CTE Procedure order no. 6/2019-20 dated 25.4.19.
8. Provision of Gang Tool cum Rest rooms.
9. Chamfering of all holes in the rails including traction bond holes.
10. Provision of Track Machine siding and Rest houses for Track Machine staff at nominated locations. In phase working (when ML is connected to dead end of LL); Status of Rest houses for Track Machine staff.
11. Provision of PWI office along with the Workshop

12. Whenever Turnouts are involved in CRS inspections for commissioning of any line, status of AutoCAD drawing showing standard layout/profile of Turnouts along with superimposition of another layer of layout as per site parameters , to check/ensure the correct layout of turnout. This is mandatory requirement of CRS.
13. Clean Cushion measurement at least 04 locations per Km along with obligatory location like Bridge approaches etc along with the cess depth & width (Formation width) at the same location. (as per PCE Circular no 23 dated 7/12.12.18)
14. Joint measurement register of Turnouts, Curves, SEJs.
15. (a) Register of defective AT & FB welds jointly signed with OL.
(b) Register of Finished welds tolerance AT & FB (at least 05 locations per Km) jointly signed with OL.
16. Register of LWR destressing jointly signed with OL. Status of destressing on the date of joint inspection along with LWR wise TDC.
17. Status of various infringements as per SOD for
(a) ROBs if any
(b) Platform height and clearance.
(c) Clearance of OHE foundation as per SOD.
18. Provision of sub-bank and turfing in case of bank high above 6 mtrs.
19. Provision of various retro-reflective boards at bridges, LWR curve etc.
20. Provision of inspection step at all bridges.
21. Drainage arrangements at new LHS.
22. Status of all incomplete works on the date of inspection along with the major activity wise TDC.
23. Compliance of various issues as listed in Para (A) & (B) of CRS letter No.C-8B(5)/2019/450 dt.07.05.2019 regarding "Joint Inspection by JAG level & SAG level Officer for Construction projects" (Copy enclosed).

The **compliance** of the JAG level Joint inspection **should be signed by openline JAG officer** and submitted to SAG officer before SAG level joint inspection. Further the **compliance** of the SAG level Joint inspection **should be signed by openline SAG officer** for onward submission to CRS. **Compliance must indicate, activity wise TDC, if work is not completed.**

DA: CRS letter No.C-8B(5)/2019/450 dtd. 07.05.2019.


 (Rajesh Arora)
 Chief Track Engineer

Copy :

1. **PCE:** for information please.
2. **DRM/JBP, BPL & KOTA:** for information.
3. **CE/C-I, CE/C-II & CPM/KOTA:** for information and n/a.
4. **SrDEN/Co/JBP, BPL & KOTA:** for information and n/a.



भारत सरकार
नागर विमानन मंत्रालय
(रेल संरक्षा आयोग)

GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
(COMMISSION OF RAILWAY SAFETY)



रेल संरक्षा आयुक्त
मध्य परिमंडल
2री मंजिल, चर्चगेट स्टेशन उप भवन,
एम. के. रोड, मुंबई - 400020
टेली. फैक्स : 022 - 22056058

Commissioner of Railway Safety
Central Circle
2nd Floor, Churchgate Stn. Bldg.
Annexe, M. K. Road, Mumbai - 400020
Tele Fax : 022 - 22056058

No.C-8B(5)/2019/450

Dated : 07.05.2019

PCE, CAO(C), PCSTE & PCEE
West Central Railway
JABALPUR.

Sub : Joint inspections by JAG level and SAG level Officers, in connection with projects.

It is observed that the joint inspection carried out at the level JAG and SAG officers of Open line and construction (or other executive department), is done in a routine manner and important items are missed. Even the items mentioned in the Commission's letters in specific cases have been ignored. It is advised that following items should invariably be checked and certified in addition to other regular items checked by the concerned officers:

A. ENGINEERING ITEMS :

- ✓ 1. Whether ballasting has been done as per the requirement of LWR Profile.
- ✓ 2. Whether the ballast collected for the section has been trained out completely.
- ✓ 3. Whether the turnout and various special layouts have been laid correctly and are as per RDSO standard drawings.
- ✓ 4. Whether the sanction of all minor works is available and the work has been done as per the sanction.

B. BRIDGES:

1. Whether the work has been carried out as per the approved GAD and as per the approved construction scheme?
2. Whether completion plans of bridges, FOBs, ROBs, Service Buildings, RUBs etc have been prepared as per Indian Railway Works Manual and have been submitted to Open Line duly signed by competent authority, for keeping in safe custody.
3. Whether Load deflection testing have been carried out as per RDSO guidelines and the results are satisfactory?

2

4. In case of doubling or third/fourth lines the new bridge specially the bore log data and foundations are to be compared with the existing bridge. For this the completion plan of existing bridges should always be referred and compared with the completion plan of new bridge.
5. Whether USFD testing of rails and weld has been done as per norms and all the defective welds have been removed. Whether test piece of FBW has been tested for micro examination as per manual of flash butt welding and the results are within acceptable limits.
6. Whether the track has been laid as per approved alignment.
7. Whether land plans and all land records (if any) have been submitted to Open Line as per Indian Railway Works Manual and whether mutation has been completed.
8. Whether the OHE foundations and the S&T foundations have been constructed without infringing the Schedule of Dimensions below Rail Level. (IRSOD Item 8 of chapter 1, Schedule-1).
9. Whether fabrication of FOBs/ Steel Girder bridges have been done in RDSO approved workshop. Whether quality standards in fabrication have been followed.
10. Whether there is any infringement to Schedule of Dimensions at stations or on Mainline.
11. Whether RSI studies have been carried out In case of PSC girder/slab bridges where LWR has been provided.

C. OHE ITEMS:

1. Whether the OHE has been laid as per approved layout by open line.
2. Whether all overhead crossings have been incorporated in the relevant document and nothing has been left out. There is no infringement to IRSOD at these overhead crossings.
3. The OHE at all overhead structures including bridges are as per standards.
4. Whether OHE foundations have been constructed as per standard and the bearing capacity and wind pressure has been correctly taken in design.
5. Whether "as erected SED" have been prepared for all structures and has been signed by competent authority and submitted to open line for safe custody.
6. It should be checked and certified that there is leaning mast.
7. Whether the OHE foundation have constructed as per CSD (cross section drawings).
8. Whether inter-rail bonds and all structure bonds have been properly provided.
9. Whether buried rails have been provided at all SPs, SSPs and TSSs.
10. Whether prominent danger boards have been provided at all required locations. (It is seen that size of the board used is generally very small, which is not desirable).
11. Whether revised gate working rules have been supplied to all gates and station working rules have been duly modified for 25 KV traction.
12. Whether EIG sanction for all relevant items is available and the work has been carried out in accordance with EIG sanction.
13. Whether all bridge mast drawings have been approved by CBE and the base plate of OHE mast has been correctly seated on top of pier without any gap and the bridge mast has been correctly laid in the field as per the approved drawing.

2

805714	दिनांक Date 26/8/19
प्र.मु.अधि.नि. CAO(C)	
सचिव प्रमुइजी Secy.PCE	
उप.प्रमु.इजी. Dy.CE	
का.इजी. XEN	
स.का.इजी AXEN	



पश्चिम मध्य रेल
West Central Railway

General Manager Office
Engineering Branch,
Jabalpur-482001

No: EW-HQ/CRS/General letters/1

Dated: 23-08-2019

PCE/WCR, PCSTE/WCR & PCSTE/WCR

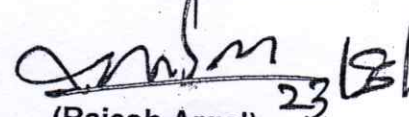
Sub: - Joint Inspection by JAG level and SAG level Officer's in connection with commissioning of Projects.

Ref: - CRS/CC/Mumbai's letter No C-8B (5)/450 dated 07-05-19 (Copy Attached)

Kindly refer CRS/CC/Mumbai's letter No C-8B (5)/450 dated 07-05-19 through which CRS have sent the list of items to be covered during Joint Inspection (of SAG & JAG officers of open line & Construction) to be checked in addition to other regular items.

It is noted that in most of the cases the instructions issued are not being followed, resulting non-acceptance of opening documents by CRS/Central Circle.

Therefore, kindly convey the concerned SAG/JAG officers under your control to ensure the compliance of the instructions circulated by CRS vide their letter cited above.


(Rajesh Argal)

Chief Administrative Officer
West Central Railway

DA: As Above

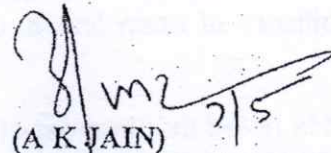
Copy along with DA for information & necessary action (through E mail)

- | | |
|------------------------------------|--|
| 1. PED/Central/RVNL, New Delhi | surendra.rvnl@gmail.com |
| 2. Director/Works/IRCON. New Delhi | yogesh.misra@ircon.org |
| 3. DRM/JBP, BPL & Kota | drm@jbp.railnet.gov.in |
| | drm@bpl.railnet.gov.in |
| | drm@kota.railnet.gov.in |
| 4. CE/C-I, II JBP & CPM/Kota | jslcewcr@gmail.com |
| | ajayguptairse1988@gmail.com |
| 5. CSTE/C/JBP | cpmwcrkota@gmail.com |
| 6. CETE/WCR | cstec@wcr.railnet.gov.in |
| | cete@wcr.railnet.gov.in |

D S&T ITEMS :

1. Whether system approval by PCSTE has been obtained and FAT/SAT have been carried out.
2. Whether pre-commissioning checklist as per RDSO guidelines for EI, IPS, Data Logger, Axle Counter, USFBI BPAC etc have been prepared and compliance has been ensured.
3. Whether cable tagging has been provided for easy identification of cables.
4. Whether cable route plan has been prepared and the cable has been laid correctly as per Railway Board guidelines, near the Railway Boundary.
5. Whether placement of OHE mast vis-à-vis bridges and signal posts is as per provisions of ACTM and SEM.

The compliance of the joint inspection should be signed and submitted by open line SAG officer.


(A K JAIN)

Commissioner of Railway Safety
Central Circle/MUMBAI.

9/10