File No.RDSO-BnS0EBS(INSP)/17/2020-O/o ED/BnS/RDSO-Part(1)

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सत्यमेव जयते

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No. CBS/Bridge Insp./Genl Matters **Date: As signed**

1. GM/Con/NFR
2. Principal Chief Engineer (All Zonal Railways)
3. Chief Administrative Officer (Con) (All Zonal Railways)
4. Chief Administrative Officer (RSP) (All Zonal Railways)
5. **Managing Directors- DFCCIL & KRCL**

Sub: Model of QAP's of Railway Bridge Girders and ROB Girders
Ref: RDSO letter No. CBS/Bridge Insp./Genl Matters dated 16.07.2026

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1. Vide letter under reference, the Version 1.0 of QAPs for each type of girders for Railway bridges and ROBs were issued with amended procedure for processing & approval of the same. However, on the queries/ambiguities raised by certain Zonal Railways and NHAI etc., the above referred letter stands withdrawn and superseded as following-

2. Now, the Part-A of model QAP has been standardised applicable uniformly for all types of girders and spans (RDSO standard or Non-RDSO span). Similarly, Parts-B of model QAPs have also been standardised for each type of girder applicable uniformly for RDSO standard as well as Non-RDSO spans.

3. The sectorial QAPs of each type of girders as under-mentioned have been revised and are issued as Version 1.0 (V1.0) as under-

SN	Type of Steel Girder	MODEL QAP No. (Part-B)
1	**Railway Bridge Girders (RG)**	
1.1	Plate Girders	RDSO/Infra-II/B&S/RG/PG (R1.0)
1.2	Composite Plate Girders	RDSO/ Infra-II/B&S /RG/CG (V1.0)
1.3	Open Web Girders	RDSO/ Infra-II/B&S/RG/OWG (V1.0)
1.4	Under Slung Girders	RDSO/ Infra-II/B&S/RG/USG (V1.0)
1.5	Ballasted deck Open Web Girders	RDSO/ Infra-II/B&S/RG/BOWG (V1.0)
2	**Road Over Bridges (ROB)**	
2.1	Composite Girders	RDSO/ Infra-II/B&S /ROB/CG (V1.0)
2.2	Truss Type Girders	RDSO/ Infra-II/B&S/ROB/TTG (V1.0)
2.3	Fully Welded Bow String Girders	RDSO/ Infra-II/B&S/ROB/BSG (V1.0)
2.4	Camel Back Type Truss Girders	RDSO/ Infra-II/B&S/ROB/CBTG (V1.0)

4. The model QAPs (V1.0) are enclosed herewith and may also be accessed at RDSO website. From now onward, all the QAPs shall be processed as per Version 1.0 (V1.0) of model QAPs.

5. For fabrication process, the DFCCIL & KRCL (if the work pertains to their own jurisdiction) shall be considered at par with Zonal Railways and processing of QAPs and supervision/inspection of works shall be done accordingly as mentioned in the QAPs. All other Railway PSUs including DFCCIL & KRCL (if not falling in the above category) shall process their case through jurisdictional Zonal Railways.

6. The fabrication drawings shall be approved by the authority that approves structural drawing in the respective Railways.
7. To avoid delay on processing account, confirmation of RDSO regarding undertaking the inspection work by RDSO shall be taken before processing the QAP (in case inspection is planned through RDSO) by Zonal Railway/KRCL/DFCCIL in the form of letter for which request shall be sent (**on Email ID: aebsinsprdso@gmail.com)** duly mentioning the type of Girder along with span configuration and Name & Address of RDSO approved workshop/ Engineering workshop of Railway. As per extant instructions, RDSO standard Composite girders of ROB are not inspected by RDSO.
8. **Railway Bridge Girder Cases**: These cases shall also be shifted to PRISM-SG in due course of time. However, till the switching over to PRISM-SG, only Part-A of QAP shall be submitted to RDSO and no Part-B will be submitted. In general, no deviation in model QAP is permitted for non-RDSO spans except Grade of steel and same should be specified under deviation under Part-A of QAP. Similarly, if inspecting agency other than RDSO is opted, the identified stages for the inspection in Part-B between Railway and FIU or TPIA shall be specified in Part-A itself. All the above changes shall be specified in the dedicated row i.e. **Deviations from Model QAP in Part-A**. In no case, complete Part-B of QAP shall be submitted to RDSO and even if it is submitted, no cognizance shall be given and model QAP issued by RDSO shall hold good.
9. **ROB girder Cases**: All the cases shall be processed through PRISM-SG portal only. Part-B of model QAP will remain in non-editable mode. In general, no deviation in model QAP is permitted for non-RDSO spans except Grade of steel and same should be specified under **deviations** in Part-A of QAP. Similarly, if inspecting agency other than RDSO is opted, the identified stages for the inspection in Part-B between Railway and FIU or TPIA shall be specified in Part-A itself. All the above changes shall be specified in the dedicated row i.e. **Deviations from Model QAP in Part-A**. Further, if the loading standard for ROB is other than SV (Special vehicle) loading then specific approval of PCE/CAO(C) to be uploaded and hyperlinked with selected loading in Part-A.
10. Only top sheet of QAPs (Part-A) shall be submitted duly signed by Zonal Railway/DFCCIL/KRCL (Minimum JAG rank officer or equivalent), Contractor (authorised representative) and Fabricator (authorised representative).
11. If more than one type of girder are involved in a single project then for each type of girder separate QAP (Part-A) shall be processed and submitted for approval.
12. In general, these Model QAPs are also applicable where Zonal railway FIUs or third-party Inspection Agencies like RITES, CEIL, WRI, KRCL etc. are engaged but in such cases, the QAP shall be approved by the Inspecting Agency chosen.
13. The inspection charges shall be submitted before raising the inspection calls.
14. Inspection calls shall be raised by minimum JAG of Zonal Railway or equivalent officer of DFCCIL/KRCL respectively duly giving the 4-points certificate as mentioned at the end of each QAP (Part-B).
15. Inspections of all the RH girders shall be done by Zonal railway FIUs and in case Zonal railway does not have FIU then by Bridge organization of Zonal Railway/nominated TPIAs. QAP shall be approved by inspecting agency accordingly.
16. Archived drawings shall be used as per extant instructions treating such drawings as non-standard drawing. In such cases QAP shall be model QAP but WPSS shall be prepared separately.

17. All other processes and instructions issued by RDSO or Railway Board etc. shall remain applicable as before.
18. Although utmost care has been taken to formulate these instructions and Model QAPs, if any discrepancy/ error/ mismatch is found, the same may kindly be intimated as feedback to RDSO so that the system may be made flawless.
19. The details of available model WPSSs are tabulated as Annexure-A for Railway girders and Annexure-B for ROBs. Copies of annexures are enclosed. The model WPSS may also be accessed at RDSO website.
20. The model QAPs and Model WPSS available at RDSO website (https://rdso.indianrailways.gov.in/view_section.jsp?lang=0&id=0,4,28) and RDSO Railnet link http://10.100.2.4/drawing/index.aspx shall only be referred.
21. Railway Bridge case:-No case with the earlier issued QAPs shall be accepted after 10.08.2026. The pending cases for approval at RDSO with earlier issued QAPs shall be approved with the version (V1.0). If any specific condition(s) of the processed QAPs warrant the implementation of the processed QAP only, the same shall be brought in the cognizance of RDSO for further consideration.
22. ROB cases: No case with the earlier issued QAPs shall be accepted on PRISM-SG as and when it implemented on the portal. The pending cases on PRISM-SG for approval of RDSO shall be approved with the version (V1.0). If any specific condition(s) of the processed QAPs warrant the implementation of the processed QAP only, the same shall be brought in the cognizance of RDSO for further consideration.
23. NHAI is requested to provide the model QAPs on the PRISM-SG accordingly and also create a facility for selection of model QAP and model WPSS as per usage, type, loading, span of girder etc. As a final output, only top sheet (Part-A) of QAP shall be generated and processed in either RDSO standard or Non-RDSO spans. In case of non- standard spans as well as RDSO standard spans where model WPSS are not available, the facility for creation of WPSS shall be provided. The stage for inspection charges shall be added in advance of inspections stages.

This is for your kind information and necessary action please.

Digitally Signed by Arun Kumar Tiwari
Date: 03-08-2026 18:18:32
Reason: Approved

(अरुण कुमार तिवारी)
(Arun Kumar Tiwari)
कार्यकारी निदेशक /पुल एवं संरचना
Executive Director/B&S

प्रतिलिपि:

(A) Executive Director Civil Engg./B&S, Railway Board, Rail Bhawan, Room No.140A, New Delhi – 110001 for kind information

(B) DG/IRICEN/Pune for kind information

(C) Director/M&C for kind information and necessary action

(D) Chief Bridge Engineers (for kind information and necessary action)

1. Central Railway, Mumbai CST- 400 001
2. Eastern Railway, Fairlie Place, Kolkata - 700 001
3. East Central Railway, Hazipur - 844 101
4. East Coast Railway, Bhubaneshwar - 751 016
5. Northern Railway, Baroda House, New Delhi - 110 001
6. North Central Railway, Prayagraj - 211 001
7. North Eastern Railway, Gorakhpur - 273 001
8. Northeast Frontier Railway, Maligaon, Guwahati - 781 061
9. North Western Railway, Jaipur - 302 001
10. Southern Railway, Park Town, Chennai - 600 003
11. South Central Railway, Rail Nilayam, Secunderabad - 500 371
12. South Coast Railway, Vishakhapatnam, 530 003
13. South East Central Railway, Bilaspur - 495 004
14. South Eastern Railway, Garden Reach, Kolkata-700 043
15. South West Railway, Hubbli - 580 023
16. Western Railway, Mumbai - 400 020
17. West Central Railway, Jabalpur - 482 001
18. Metro Railway, Kolkata – 700071

(E) Railway PSUs & Others (for kind information and necessary action)

1. The Managing Director, RITES LTD, RITES Bhawan, Plot No.1, Sect.29, Gurgaon (Haryana) - 122001
2. The Managing Director, IRCON, Palika Bhawan, Sector-XIII, R.K. Puram, New Delhi - 110066
3. The Managing Director, Rail Vikas Nigam Ltd., 1st floor, August Kranti Bhawan, Bhikaji Coma Place, Africa Road, R.K. Puram, New Delhi - 110 016
4. DIRECTOR (Projects)/ MRVC, Churchgate Station Bldg., 2nd floor, Mumbai 400020
5. General Manager (Tech.) ROB, National Highway Authority of India, G 5&6, sector 10,Dwarka, New Delhi-110057

(F) Member (Projects) / NHAI with a request to advise the PRISM-SG developing team to facilitate necessary modifications in the portal accordingly. The details of modifications, in addition to revised QAPs, needed on the portal are enclosed herewith as Annexure-I. It is requested to kindly facilitate the revised procedure of QAP & WPSS approval on the portal by 15.08.2026.