

Northern Railway

Headquarters Office,
Baroda House,
New Delhi.

No. [DOE/YARD/MISC./2025](#)

Dated: 19-05-2025.

**Divisional Railway Manager,
New Delhi, Firozpur, Lucknow,
Ambala, Moradabad,Jammu.**

**CAO/C & CAO/C-II,
Northern Railway,
Kashmere Gate,
Delhi.**

**CAO/C/USBRL,
Northern Railway,
Kashmere Gate,
Delhi.**

Sub:- Checklist (Revision R1) for approval of ESP of station yards.

Please find enclosed Revision of checklist in Annexure I for approval of ESP of station yards.

The Sr.DEN or Dy.CE/C concerned must ensure that all Checklist points are complied before submission to Headquarters.

This is for your information & necessary action please.

DA: Annexure-I .

Digitally Signed by Deepika
Gill
Date: 19-05-2025 16:24:54
Reason: Approved

Dy. Chief Engineer/P&D

Copy to:

1. Secy. to AGM/NR for kind information of AGM.
2. Secy. to PCE/NR for kind information of PCE.
3. Sr.DEN/Co-Ord. – DLI, FZR, LKO, MB ,UMB,Jammu.
4. CMD/RVNL, Plot no.25. 1st floor, August Kranti Bhawn, Bhikaji Cama Palace, New Delhi-110066.
5. CMD/HRIDC,Plot No 143, 5th Floor, Railtel Tower, Sector-44, Gurugram, Haryana.
6. Director/PP, DFCCIL, 5th floor, Pragati Maidan Metro Station Building Complex, New Delhi.
7. Director/Project, RITES Bhawan, I, Sector 29, Gurugram, Haryana, 122001.

ANNEXURE I

CHECKLIST OF STATION YARDS (Revision R1)		
CHECK LIST FOR PREPARATION OF YARD PLAN		
S.no.	Description	Yes/No/NA
1	Has Name of Work mentioned on the ESP?	
2	Type of work: Works programme/Deposited Work/Private.	
3	(i) Details of sanctioned Work as per works Programme/ work id of Railway	
	(ii) scope of work/justification for Revision,if any	
4	Has the existing layout and feasibility of new proposal been checked at site and a feasibility certificate is endorsed on the plan by the SSE/W, SSE/P.Way, SS, TI and AEN concerned .	
5	Whether North line has been shown on the top of the drawings as per para 906(a) (i) of IRWM?	
6	Have all the lines been numbered and designated for identification and reference with direction of traffic (UP and DN line) as per para 468 of Engg. Code ?	
7	Has the plan been prepared in scale of 1 in 1000 as per para 468 of Engg. Code?	
8	Has the spelling of stations names with their KM and class been shown as per working Timetable/System map and para 906(a)(iii) of IRWM ?	
9	Has the distance between Northern Railway boundary to centre line of main track at an every offset with chainage as per para 906 (a) of IRWM been shown? Has the lan plan no. mentioned on the plan?	
10	Does the plan bear the name of officers concerned along with their signatures with dates, month and year as per para 904(a) of IRWM and Pr.CE circular 601 dated 23.02.2021?	
11	Has the reference number of previously HQ approved plan on which the existing layout is based, been mentioned on the plan?	
12	Has the plan allotted divisional plan number and space for NRHQ plan number kept on the bottom and top right corner?	
13	(i) Has the gradient posts with chainages upto 2.5 km in rear of outer most point on either side as per para 8.6.2 (v) signal Engg. Manual Part-I been shown?	
	(ii) Gradient of new station yards within 50.0m from outermost point should be 1 in 1200. Permitted upto 1 in 400 with approval of GM/NR as per item no.2 note (b) chapter II of SOD-2022. Dispensation of CRS required for gradient steeper than 1 in 400 upto 1 in 260. Railway Board's condonation required for gradient steeper than 1 in 260. Dispensation or condonation obtained/to be obtained should be indicate clearly in ESP as per item no.2 note (d) (ii) chapter-II of SOD-2022.	
	(iii) For existing yard gradients steeper than 1 in 400 and upto 1 in 100 permitted with approval of GM and steeper than 1 in 100 permitted with approval of Railway Board through CRS as per ACS no.2 of SOD-2022.	
14	(i) Have the changes of gradient falling within 30 meter of points and crossing been revised suitably as per chapter II (2-d) of SOD-2022 ?	
	(ii) Has it been ensured that there is no change of super elevation between 18.0m out side toe of switch rail & nose of crossing respectively, except in the case of special crossing leading to snag dead ends or under circumstances as provided for in item no.22 chapter II of SOD-2022.	
15	The distance between centre of tracks in station yards should be shown & min track centre adopted as per SOD-2022.	
16	Requirement of Dead ends/ over run line for isolation and simultaneous reception. All standard dead ends should the wording " Not fit for stabling" and length should not be less than 120.0m for MACLS as para 8.6.2.(iv) of SEM-I.	

17	All running lines must be isolated from Sand Hump or Over run line (where adequate space for sand hump is not available) & take off machine siding/other siding are not extension of over run line. It should be take off from over run line as per letter no. 86-T/359/TGP/Policy/Pt.V dated 17.03.2021.	
18	(i) Have the type of platforms (i.e. passenger or goods) with length and their heights above rail level as per para 906 (a) (xiv) of IRWM been shown? (ii) Have the instructions in Expenditure control letter no. NR-HQE0DOE (YARD)/07/2021 dated 08.08.2022 complied?	
19	Platform, Structures like station building, ROBs, FOBs etc. should be hatched in different patterns for easy identification.	
20	Has the provisions for the end width of island passenger platform as per NR type plan P-37 less than 6825mm followed?	
21	Have the chainage of all points and crossings, FM's Traps Dead Ends as per para 906 (a) (xiv) of IRWM been shown in the plan?	
22	Whether max. Degree of curvature is 10 degree or less as per item no.2 Chapter-I of SOD-2022	
23	Have the complete details of curves such as curve number, deflection angle, degree of curve, radius of curve tangent length, curve length, super elevation, transition length, and speed in KMPH as per para 906(a) (vii) of IRWM been shown?	
24	Have the LC gate number, class and its Kilometerage whether manned or unmanned, interlocked or non-interlocked and current TVU upto 2.5 KM in rear of outermost point on either sides as per para 906 (a) (xv) of IRWM & para 8.1.5.2(f) chapter 8 of S&T manual been shown?	
25	Have the names of nearest junctions or terminal stations on either sides as per 906(a) (ii) of IRWM been shown in the plan?	
26	Have the names of adjoining stations along with their class and KM on either sides of the station been shown?	
27	Has the infringements of standard dimensions, in tabular form, if any been shown as per para 906(a) (xvi) of IRWM ?	
28	Have the CSR of all the lines including siding been written on the plan Where to where (say FM to FM or Trap or point etc.) as per para 906(a) (xiv) IRWM. Also length of lines should be kept 750.0m as per RB letter no.2017/TT-1/75/1 dated 13.09.2018.	
29	Has the complete description of the bridge within station limit along with their direction of flow as per IRWM para 906(c) been written on the plan?	
30	Has provision of siding for Track machine as per IRTMM para 8.4.4 (30 km apart) in projects of new lines, doubling gauge conversion and yard remodelling is done?	
31	Provision of Slip siding/Catch Siding as Required: (a) If the gradient steeper than 1 in 100 falling towards Block, Slip Siding to be Provided. (b) If the gradient steeper than 1 in 80 falling towards Station, Catch Siding to be Provided.	
32	Has provision of Passenger Amenities and stations as per RB letter No.2018/LM (PA)/03/06 dated 09.04.2018 is followed?	
33	For laying of turnouts with 1 in 12 or flatter taking off from curve, it shall be ensured that the resultant lead curve radius as well as the radius of main line curve shall not be less than 350.0m . For yard remodelling in existing yards, taking off 1 in 12 or flatter turnout with inside of curved main line the resultant lead curve radius upto 290.0m is allowed with the approval of PCE/NR as per para 408(2)(e)(i) & para 408(2) (e) note(2). In case of resultant radius falls within 290.0m to 350.0m has the condonation of PCE taken before processing ESP?	

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34	(i) Whether the instant case is of Pvt siding/Deposit work/GSMMCT ?	
	(ii) If Yes whether Annexure-II of checklist is attached?	
35	Frequent Revision should be avoided. New proposal should not normally be processed within three months of last approved ESP.	
36	A note "Revalidation of approved drawing shall be carried out if physical work at site is not commenced within 2 years of approval of drawing. In the case of any change in site condition or any modification found during the revalidation, fresh approval shall be obtained from all concerned. In the case of no change in condition/modification at site, only Sr.DEN/C shall sign the plan and submit revalidated plan to concerned approving authority in NRHQ office for cognizance and record. Responsibility of revalidation lies with the executing agency. Remarks in c/w requirement of revalidation shall be added in original drawing during approval" shall be included in all ESPs.	
37	A drainage plan for this station yard attached ?	
As per GM's instruction in meeting on 28.10.2022, concerned Sr.DEN or Dy.CE/C must ensure that all above checklist points are compiled in the ESP before submitting it for HQ approval.		

Date:

Signature of Concern Sr.DEN/ Dy.CE/C