

सं./No.104-W/O/Part-III

Chief Engineer's Circular No. 601 C-R4

**Divisional Railway Manager,
Northern Railway,
Delhi, Firozpur, Lucknow,
Moradabad & Ambala.**

विषय/Sub: Approval of Engineering Plans for various works (Other than Track & Bridges).

- संदर्भ/Ref:** (i) Chief Engineer's Circular No. 601-C dated 22.4.09.
(ii) Chief Engineer's Circular No. 601-C-R1 dated 26.10.2010.
(iii) Chief Engineer's Circular No. 601-C-R2 dated 26.11.2014.
(iv) Chief Engineer's Circular No. 601-C-R3 dated 15.06.2015.

In supersession of all previous circulars on the above subject under ref.(i) to (iv) above and in order to streamline the procedure, a revised Chief Engineer's Circular No. 601-C-R4 (other than Track & Bridges) on Approval of Engineering Plans is hereby issued as under :

1.0 General:-

- 1.1 Plan should be finalized before proposing a work for sanction so that proposal itself is realistic & work can be started as soon as the sanction is received.
 - 1.2 No work shall be carried out without an approved plan/ sketch.
 - 1.3 Once a plan is approved by Competent Authority for any purpose/work, the same should not be altered for the same purpose/work. If unavoidable, approval of all incumbent officers of the concerned departments, involved in alteration work, should be taken.
 - 1.4 All General arrangement Plans/Drawings (GAD) should be prepared on AutoCAD and to be sent to HQ along with soft copy.
- 2.0** Plans for the following work do not require approval from HQ (Open Line) & approval of DRMs in these cases would be final-
- 2.1 Passenger Amenities works viz. Extension/ Raising of Platforms (not involving yard remodelling/ signalling changes), provision of benches, passenger information boards, provision of water booths, provision of typical/ standard PF shelters etc.
 - 2.2 Additions and alterations of minor nature in service buildings (excluding station buildings). The structural safety of the building in view of the

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proposed alteration shall be checked and ensured by concerned Sr.DEN/
DEN.

- 2.3 Plans for all other water supply works not covered in S.N. 4 of enclosed Annexure (Page-1 of 4 to 4 of 4) and appearing in CE Circular No.834 and/ or amendment thereto (if any).
- 2.4 Plans for all works covered in S.N. 1 (ii) to 1 (iv), 2 (i) & (ii), 3(ii), 5(iv) (a) & 5 (v)(b) of enclosed Annexure (Page-1 of 4 to 4 of 4).
- 2.5 Yard drains.
- 3.0 All plans for proposed structures should be in accordance with amended/ updated Schedule of Dimensions. If any infringement is unavoidable, plan should be sent to Headquarters Office giving full justification for processing the case for sanction of competent authority. Similarly drawings for non-standard platform shelters should be sent to Headquarters Office for approval.
- 4.0 Plans for works requiring approval of HQ (Open line) has been detailed in enclosed Annexure (Page-1 of 4 to 4 of 4). The various signatories/ approving authorities at Divisional level/ Headquarters level are also given in enclosed Annexure (Page-1 of 4 to 4 of 4) for guidance & streamlining the process of correct /early approval of plans.
- 5.0 In case of works being executed by Construction Organization, if approval of HQ (Open Line) is required, the plans needs to be signed by concerned Construction Officers, Divisional Officers {As indicated in enclosed Annexure (Page-1 of 4 to 4 of 4)} & SAG rank concerned officer of the Construction Organization before finally submitting to Pr.CE's Office for approval.
- 6.0 In case of works being executed by Govt. undertaking agencies like RITES, IRCON, RVNL, DFCCIL etc., all kinds of General Arrangement Drawings/Plans are required to be submitted to HQ (Open line) through Division concerned with the approval of Divisional officers as mentioned in Annexure (Page-1 of 4 to 4 of 4)for approval.

The revised instructions should be implemented with immediate effect. This has the **approval of Pr. Chief Engineer, Northern Railway.**

संलग्न/Encl.:- Annexure (Page-1 of 4 to 4 of 4).

नाम/Name:-

(S.K.RAINA)

पद/Designation:- Chief Engineer/P & D

प्रतिलिपि/Copy to:-

1. All Engineering Officers in Headquarters Office, Baroda House, New Delhi.
2. CAO/Construction, Northern Railway, Kashmiri Gate, Delhi.
3. COM, CCM, CEE, CSTE, CME, CMD, CPO / NR HQ. Office, Baroda House, New Delhi.
4. Managing Director, RITES, IRCON, RVNL & DFCCIL, New Delhi.
5. In charges of DOE, DOB & DOT and Chief Office Supdt./Co-ord./Engg./ Northern Railway, Baroda House, New Delhi.

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APPROVAL OF PLANS

ANNEXURE

Annexure to N.Rly.'s CE Circular No. 601-C-R4 dated. 04.12.2015.

S. No.	Description of plans	Plans to be signed by officers of different departments at		Required Level Of Approval at	
		Divisional level	Headquarters level	Divisional level	Headquarters level
1.	Station & Station yards:-				
(i)	Master Plan of Important Stations (All A1, A, B & C Category Stations).	Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DCM; Sr. DOM; Sr. DSTE;Sr. DEE*; Sr. DME(C&W); DRM.	Dy.CE/P&D; CCM/ PS; CTPM; CEE/Plg.; Dy.CSTE(P&D); CME(Plg.); CE/P&D.	Divisional Railway Manager.	Chief Engineer/P&D.
(ii)	Site plan for Platform Shelters provided these are as per detailed drawings approved by HQ Office or RDSO.	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr.DCM; Sr. DOM; Sr. DSTE; Sr. DEE*; DRM.	-	Divisional Railway Manager.	-
(i)	Site plan for structures on platforms.	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr.DCM;Sr.DOM; Sr. DSTE;Sr. DEE*; DRM.	-	Divisional Railway Manager.	-
(iv)	Extension or Raising of Platforms, not requiring addition and alteration in yard, based on approved type plan.	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr.DCM;Sr. DSTE; Sr. DEE*; DRM.	-	Divisional Railway Manager.	-
(v)	Improvement to circulating area of important stations (All A1, A, B & C Category Stations).	Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord.); Sr. DOM; Sr. DCM; Sr. DSTE; Sr. DEE*; DRM.	Dy.CE/P&D; CEE/Plg.; CCM/PS; CE/ P&D.	Divisional Railway Manager.	Chief Engineer/P&D.
(vi)	Yard plan including addition and alterations.	Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord.); Sr. DOM; Sr. DCM; Sr.DSTE; Sr. DEE*; DRM.	Dy.CE/P&D; CTPM; CCM/FM; Dy.CSTE(P&D); CEE/Plg.; CE/ P&D.	Divisional Railway Manager.	Chief Engineer/P&D.
(vii)	General Arrangement Plans/ Drawings/ Layouts for Washing/ Coach maintenance				
	(a) New.	Concerned Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr. DEE*; Sr. DOM; Sr. DME; DRM.	Dy.CE/P&D; CME/Plg.; CEE/Plg.; CTPM; CE/ P&D.	Divisional Railway Manager.	Chief Engineer/P&D.
	(b) Addition & alteration/ Modification/ extension.	Concerned Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; Sr. DOM; Sr. DME; Sr.DSTE; DRM.	Dy.CE/P&D; Dy.CSTE(P&D); CME/Plg.; CEE/Plg.; CTPM; CE/ P&D.	Divisional Railway Manager.	Chief Engineer/P&D.
(viii)	Plan for dismantling of siding.	Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DSTE; Sr. DOM; Sr. DCM; Sr. DSTE; Sr. DEE*; DRM.	Dy CE/ TO; CTPM; CCM/FM; Dy.CSTE(P&D); CEE/Plg.; CTE.	Divisional Railway Manager.	Chief Track Engineer.
(ix)	Provision of halt stations duly approved by Railway Board (General Arrangement Plan/ layout).	Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr. DCM; Sr. DOM; Sr. DSTE, Sr.DEE*; DRM.	Dy.CE/P&D; CCM/PS; CTPM; CEE/Plg.; Dy.CSTE(P&D); CE/ P&D.	Divisional Railway Manager.	Chief Engineer/P&D.
(x)	General Arrangement Plans/Drawings (GAD) of Buildings and Foot Over Bridges including additions & alterations.	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr. DSTE; Sr. DEE*; DRM.	Dy.Chief Engineer/P&D; CEE/Plg.; CTPM; CE/ P&D.	Divisional Railway Manager.	Chief Engineer/P&D.

2. Rail Crossings:- ESP's of Level Crossing:					
A. ESP's approval by DRMs:					
(i)	Manned Level crossing: (a) Closure of manned level crossing (non-interlocked). (b) Up gradation of level crossing up to "A" class only.	Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DSTE; Sr. DEE*; Sr. DOM (if level crossing is non-interlocked); DRM.	-	Divisional Railway Manager.	-
(ii)	Unmanned Level Crossing (UMLCs): Closure of unmanned level crossing due to low TVU, Diversion/ merger or due to construction of LHS/ RUB/ Subways and by manning.	Sectional Sr.DEN/DEN; Sr. DEN (Co-ord.); Sr.DSTE; Sr. DEE*; Sr.DOM; DRM.	-	Divisional Railway Manager.	-
B. ESP's approval by Headquarters office:					
(iii)	(a) Closure of manned interlocked level crossing. (b) Interlocking of non interlocked gates. (c) Up gradation of level crossing (manned) for increase in manpower from "2" to "3" in case of Special("Spl") gates. (d) Provision of new level crossing.	Sectional Sr.DEN/DEN; Sr. DEN (Co-ord.); Sr.DSTE; Sr. DEE*; Sr.DOM (if level crossing is interlocked); DRM.	Dy.Chief Engineer/ROB; COM/G (if level crossing is interlocked); Dy.CSTE/ P&D; CEE/ Plg.;CE/ RC; CTE	Divisional Railway Manager.	Chief Track Engineer
(iv)	Approval of General Arrangement Drawings (GAD) for ROB/ RUBs.				
	(a) Where Division is supervising or executing agency.	Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr. DOM#.	Dy.Chief Engineer/ROB; CE/ RC; CBE.	Sr. DEN (Co-ord).	Chief Bridge Engineer.
	(b) Where Construction Organization is supervising or executing agency.	Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr. DOM#. Dy.Chief Engineer/ Const.	Chief Engineer/ Const.; Dy.Chief Engineer/ROB; CE/ RC; CBE.	Sr. DEN (Co-ord).	Chief Bridge Engineer.
3. Buildings & Colonies:-					
(i)	Master plan of Important Colonies (i.e. Zonal HQ, Divisional HQ, AEN's HQ and any other colony considered important by Division).	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr.DSTE; Sr.DEE*; DRM.	Dy.CE/P&D; CE/P&D.	Divisional Railway Manager.	Chief Engineer/P&D.
(ii)	Site plan for quarters / buildings in colony, provided it is in accordance with already approved master plan of colony & construction of Staff Quarters as per standard type plan issued by HQ Office.	Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); DRM.	-	Divisional Railway Manager.	-
(iii)	Addition/alteration to standard type quarters.	-	-	-	Principal Chief Engineer {IRWM-Para 218(c)}.
(iv)	Structural drawing for any structure including addition and alteration to an existing structure.	-	AXEN/ P&D; Dy.CE/P&D.	-	Dy. Chief Engineer/P&D
(v)	All structures involving departure from type plans issued by HQ or by RDSO.	Concerned Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord); DRM.	Dy. Chief Engineer/ P&D; CE/ P&D.	Divisional Railway Manager.	Chief Engineer/P&D.

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(vi)	General Arrangement layouts/Drawings (GAD) of Buildings including additions & alterations.	Sr. DEN (Co-ord); Sr. DSTE; Sr. DEE*; DRM.	Dy. Chief Engineer/P&D; CE/ P&D.	Manager.	Chief Engineer/P&D.
4. Water Supply & Drainage:-					
(i)	Water supply plan of colony & stations (a) Important stations (i.e. All A1, A, B & C Category stations).	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; Sr. DME(C&W); DRM.	XEN/ Wks; CME(Plg.); CE/ HQ.	Divisional Railway Manager.	Chief Engineer (HQ).
	(b) Important colonies (i.e. Zonal HQ, Divisional HQ, AEN's HQ and any other colony considered important by Division).	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; DRM.	XEN/ Wks; CE/ HQ.	Divisional Railway Manager.	Chief Engineer (HQ).
(ii)	Site plans for installation of Bore-Wells (New/replacement) including addition/alteration to the distribution pipe lines.	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); DRM.	XEN/ Wks; CE/ HQ.	Divisional Railway Manager.	Chief Engineer (HQ).
(iii)	Site plans for storage tanks.	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); DRM.	XEN/ Wks; CE/ HQ.	Divisional Railway Manager.	Chief Engineer (HQ).
(iv)	New pipe lines/addition & alteration in the existing pipe line networks of diameter more than 4".	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); DRM.	XEN/ Wks; CE/ HQ.	Divisional Railway Manager.	Chief Engineer (HQ).
(v)	Schematic plans of new water treatment plants/ addition & alteration in the existing plants.	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; DRM.	XEN/ Wks; CE/ HQ.	Divisional Railway Manager.	Chief Engineer (HQ).
(vi)	Plans for water recycling plants, rain water harvesting works & plans for other water supply works being carried out by Construction Organization for new Stations/ Colonies.	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; DRM.	XEN/ Wks; CE/ HQ.	Divisional Railway Manager.	Chief Engineer (HQ).
(vii)	Drainage plan of colonies & yards (a) Important yards (To be decided by Divisional Railway Managers).	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); DRM.	Dy CE/ TO; CTE.	Divisional Railway Manager.	Chief Track Engineer.
	(b) Important colonies (i.e. Zonal HQ, Divisional HQ, AEN's HQ and any other colony considered important by Division)	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); DRM.	XEN/ Wks; CE/ HQ.	Divisional Railway Manager.	Chief Engineer (HQ).
	(c) Others.	Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); DRM.		Divisional Railway Manager.	-
5. Land Plans, Leasing, Way Leave/ leasing Facilities(including track crossing), etc.					
(i)	Land licensing Plan for construction of Private siding.	ADEN/ DEN/ Land (if posted independently); Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord.); Sr. DCM; DRM.	Dy. Chief Engineer/ Land; CCM/FM; CTPM; CE/ MRTS.	Divisional Railway Manager.	Chief Engineer/MRTS.
(ii)	Land licensing/ leasing Plan other than Private sidings i.e. Commercial	ADEN/ DEN/ Land (if posted independently);	Dy. Chief Engineer/ Land; CCM/FM;	Divisional Railway Manager.	Chief Engineer/MRTS.

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	Piers, Bulk Oil Installation, Coal dump etc.	Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord.); Sr. DCM; DRM.	CE/ MRTS.		
(iii)	All kinds of Authenticated land Plans.	Revenue authorities; Concerned SSE/ (Works/ P.Way); ADEN; ADEN/ DEN/ Land (if posted independently); Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord).	Dy.Chief Engineer/Land; CE/ MRTS.	Sr. DEN (Co-ord).	Chief Engineer/MRTS.
(iv)	Way leave facility plans including track crossing as per provisions laid down in HQ's letter no. 197-W/ O/ Pt.-II/Works Policy, dated 01-06-99 including latest guidelines/ correction slips- (a) For less than 100 m length.	ADEN/ DEN/ Land (if posted independently); Sectional Sr. DEN/ DEN; Sr.DOM (where speed restriction is required); Sr.DSTE; Sr.DEE*; Sr. DEN (Co-ord); DRM.		Divisional Railway Manager.	
	(b) For 100 m & above length.	ADEN/ DEN/ Land (if posted independently); Sectional Sr. DEN/ DEN; Sr.DOM (where speed restriction is required); Sr.DSTE; Sr.DEE*; Sr. DEN (Co-ord); DRM.	Dy.Chief Engineer/Land; CE/ MRTS.	Divisional Railway Manager.	Chief Engineer/MRTS.
(v)	Land use Plans- (a) For Metropolitan Cities, State Capitals, A1 & A category stations, important District HQs & Junction Stations (as per Para 3.1 of CE Circular No.906).	ADEN/ DEN/ Land (if posted independently); All Branch Officers; DRM	Dy.Chief Engineer/Land; CE/ MRTS.	Divisional Railway Manager.	Chief Engineer/MRTS.
	(b) For remaining stations/ locations.	ADEN/ DEN/ Land (if posted independently); All Branch Officers; DRM		Divisional Railway Manager with intimation to Pr. CE.	
(vi)	Leasing of Railway land & construction of temporary/ permanent structure thereon by outside party.	Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord.); Sr. DOM; Sr. DCM; DRM.	Dy. Chief Engineer/ Land; CE/ MRTS.	Divisional Railway Manager.	Chief Engineer/MRTS.
6.	L-Section for Doubling/ Gauge Conversion				
(i)	L-Sectional for Doubling & Gauge Conversion.	Sectional Sr. DEN/DEN; Sr. DEN (Co-ord);DRM.	Dy.CE/P&D; CE/ P&D.	Divisional Railway Manager.	Chief Engineer/P&D.
7.	Miscl. viz safety related works etc.				
(i)	Works involving safety of Railway Track and Rolling Stock.	Sectional Sr. DEN/DEN; Sr. DEN (Co-ord.); Sr. DME(C&W); Sr. DSTE; Sr. DEE*; Sr. DOM; DRM.	Dy CE/ TO; CEE/Plg.; CME(Plg.); CTE.	Divisional Railway Manager.	Chief Track Engineer.

NOTE:- 1. *Concerned Sr.DEE.

2. #In cases where ROB/ RUB is crossing through yard and piers/ abutments are falling in Railway land.