

**Northern Railway**

Headquarters Office,  
Baroda House,  
New Delhi

No.10-W/O/Policy/Building

Date: 23.02.2021

**Principal Chief Engineer's Circular No. 601**

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

**CAO/C, CAO/C-II, CAO/C/USBRL,  
Northern Railway,  
KashmereGate,  
Delhi**

**विषय/Sub: Approval of Engineering Drawings**

**संदर्भ/Ref:-** (1) Railway Board letter no.2017/CE-I/CT/13/Procedure Simplification dated 20.10.2017.  
(ii) Chief Engineer's Circular No. 601-C-R9 dated 7.02.2018.

In supersession of all previous Chief Engineer's circulars on the above subject and taking into consideration the instructions issued by Railway Board vide letter dated 20.10.2017, henceforth, following instructions shall be followed for approval of Engineering Drawings.

**1.0 General:-**

- 1.1 Schematic/Conceptual plan should be finalized before proposing a work for sanction so that proposal itself is realistic
- 1.2 No work shall be carried out without an approved plan by competent authority.
- 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 shall be approved on e-Das.

**2.0** All GADs except drawings involving construction/modification of yards and Bridges(including ROB,RUB,FOB,ROR flyover etc) shall be approved in division (DRM) as detailed in Railway Board letter dated 20.10.2017 (Annexure-I). Plans of the following work besides yards and bridges as mentioned in Railway board letter dated 20.10.17 also require approval from HQ (Open Line) :-

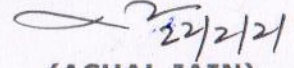
- 2.1 The general arrangement drawing of all buildings should have prior approval of Concerned SAG officers in the office of Principal chief engineer as per IRWM para 203.
- 2.2 No additions / alterations in station buildings and other important structure without the prior approval of general arrangement drawing by Concerned SAG officers in the office of Principal chief engineer as per IRWM para 203.
- 2.3 Additions/ alterations to standard type quarters should not be carried out without the prior approval of Principal chief engineer as per IRWM para 218

- 2.4 In case of new lines/doublings/gauge conversions, General Arrangement Drawings (GADs) for Railway Bridges where linear waterway is being reduced or vertical clearances are inadequate and where construction is likely to affect any of the existing Bridges (during construction or during service), after clearance of concerned divisional branch officers and DRM, shall be approved by Chief Bridge Engineer (CBE) of the concerned Zonal Railway as per IRBM para 317.
- 2.5 Launching schemes of all ROB/RUB/FOB/Rail flyovers, which shall affect the existing lines, after clearance of concerned divisional branch officers and DRM, shall require approval of Chief Bridge Engineer of the concerned Zonal Railway as per IRBM para 317.
- 3.0 In case of works being executed by Construction Organization, if approval of HQ (Open Line) is required, the plans need to be signed by concerned Construction Officers, Divisional Officers & SAG rank concerned officer of the Construction Organization before finally submitting to PCE's Office for approval.
- 4.0 In case of Railway works like New Line, Doubling, Gauge conversion Yard remodelling, Construction of Bridges, Buildings or any other structure etc being executed by Govt. undertaking agencies on behalf of railways, all kinds of General Arrangement Drawings/Plans for various structures and facilities such as bridge, station and service buildings etc., yard arrangement plan and L section, which are required to be approved by HQ, should be submitted to HQ (Open line) through concerned Division with the approval of Divisional officers and DRM for approval.
- 5.0 In case of any works being executed by Govt. undertaking agencies having control over operation and maintenance like Dedicated freight corridor railways, General Arrangement Drawings/Plans for various structures and facilities such as bridge, yard arrangement etc. Which affect the existing railway infrastructure required to be approved by HQ, should be submitted to HQ (Open line) through concerned Division with the approval of Divisional officers and DRM for approval.
- 6.0 The Design Offices of the Railway will provide access to designs and drawings already approved on the Railway, especially for Bridges and Buildings, so that the same can be adopted in the Project by PSUs. For structures where standard RDSO drawings are not adopted, PSUs will prepare all working drawings including Structural Designs and Drawings as per relevant Railway standards and codes which will be proof checked by an independent consultant appointed by PSUs. Proof checking of bridges will be done by an IIT/NIT or by any other Institution/Consultant of repute approved by CBE. These designs will not require approval of the Zonal Railway. However, the drawings so proof checked will be approved by concerned CPM before issuing the same for execution.
- 7.0 ADRM/Tech.(Or as nominated by DRM) of the division will be responsible for ensuring that the GADs are cleared / approved by all concerned branch officer within a fixed time. ADRM Tech.(Or as nominated by DRM) should get GADs signed at divisional level in a meeting to be conducted for the purpose instead of file shuffling among divisional officers. A suitable mechanism may be devised by division. It must be ensured that site feasibility and other technical issues are resolved at divisional level by respective technical branch officers before forwarding GADs to HQ for approval.
- 8.0 ADRM/Tech (Or as nominated by DRM) of the division and Chief Engineer/Construction (in case of construction works) will be responsible for ensuring that the GADs/Drawings being submitted to Headquarter are complete and correct and must comply the different technical instructions/codes/manuals etc. to facilitate expeditions approved at Headquarter level.

9.0 Based on the above instructions, the indicative list of plans/drawing which can be approved at Divisional level by DRM is enclosed as annexure-II and Indicative list of the plans/drawings which are required approval at HQ level is enclosed as Annexure-III. The list provided in Annexure-II and III are subject to modification/revision from time to time in the light of new instructions/guidelines.

10.0 This issues with the approval of Principal Chief Engineer/NR.

DA:-as above

  
(ACHAL JAIN)  
Chief Engineer/P&D

**Copy to:-**

1. COM, CCM, CEE, CSTE, CME, CMD, CSC, CPO/NR HQ. Office, Baroda House, New Delhi.
2. Managing Director:- RITES, IRCON, RVNL & DFCCIL, New Delhi.
3. All HOD and DYCE of engineering department HQ. Office, Baroda House, New Delhi.
4. In charges of DOE, DOB & DOT and Chief Office Supdt./Co-ord./Engg./ Northern Railway, Baroda House, New Delhi.





भारत सरकार Government Of India  
रेल मंत्रालय Ministry Of Railways  
(रेलवे बोर्ड) (Railway Board)

No. 2017/CE-I/CT/13/Procedure Simplification

New Delhi, dated 20.10.2017

General Managers  
All Indian Railways

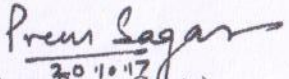
**Sub: Approval of Engineering Drawings**

Presently, the approval of engineering drawings takes lot of time, which also delay the execution of work. To expedite approval of engineering drawings, Board (ME, CRB) has approved the following:

1. All GADs, except drawings involving construction/ modification of yards, and Bridges (including ROB, RUB, FOB, ROR flyover etc.) shall be approved at the level of division. The structural design & drawing work shall be carried out by open line or construction organisation who is the executing agency for the work.
2. GADs involving construction/modification of yards, where open line is the executing agency, after clearance by all concerned divisional branch officers and DRM, shall be examined by CTPM in HQ and approved by CPDE.
3. GADs involving construction/modification of yards, where construction organisation is the executing agency, after clearance by all concerned divisional branch officers and DRM, shall be examined by CTPM in HQ and approved by CPDE.
4. GADs of Bridges (including ROB, RUB, FOB, ROR flyover etc.), where executing agency is open line, after clearance by concerned divisional branch officers and DRM, shall be approved by CBE in HQ. The structural design & drawing work shall be carried out by bridge branch at HQ level.
5. GADs of all **minor, major and important railway bridges** which shall affect the existing railway bridges, and GADs of ROB/RUB/FOB/ROR flyover etc., where executing agency is construction organisation, after clearance from concerned divisional branch officers and DRM, shall be approved by CBE in HQ. However, the complete structural design & drawing work shall be carried out by Construction organisation.
6. GADs of all **minor, major and important railway bridges** which do not affect the existing railway bridges, where executing agency is construction organisation, shall be approved by concerned CE/Construction. The complete structural design & drawing work shall also be carried out by Construction organisation.

*Prem Sagar*  
20.10.17

7. ADRM/Tech. shall be responsible to ensure that GADs are approved/ cleared by all concerned branch officers in division within a period not exceeding 15 days. ADRM/Tech. shall get GADs signed at Divisional level in a meeting to be conducted for this purpose, instead of file shuffling among divisional officers.
8. Similarly, AGM shall be responsible in HQ. to ensure that GADs are approved/cleared by concerned HOD within a period not exceeding 7 days. AGM shall personally ensure adherence of time limit by CTPM, CPDE & CBE (for bridge GADs). There shall be no other signatures on the GADs in the HQ.
9. This is issued in supersession of all previous instructions on the subject. The necessary correction slips to manuals shall be issued in due course of time.

  
(Prem Sagar Gupta)

Executive Director/ Civil Engineering(G)/Railway board  
[Phone : 011-23383379, e-mail address: edceg@rb.railnet.gov.in]

Copy forwarded for information to :

- (i) PCEs, All Indian Railways;
- (ii) CAOs(Con), All Indian Railways

**INDICATIVE LIST OF APPROVAL OF PLANS IN DIVISION**

Annexure-II to PCE Circular No. 601 dated 22.02.2021

| SN        | Description of plans                                                                                            | Plans to be signed by officers of different departments                                      | Required Level Of Approval | Authority | Remarks, if any                                                                    |
|-----------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------|-----------|------------------------------------------------------------------------------------|
| <b>1.</b> | <b>Station &amp; Station yards:</b>                                                                             |                                                                                              |                            |           |                                                                                    |
| (i)       | 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. DSTE; Sr. DEE*; DRM                     | Divisional Manager         | Railway   |                                                                                    |
| (ii)      | Site plan for structures on platforms                                                                           | Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr.DCM; Sr. DSTE; Sr. DEE*; DRM                     | Divisional Manager         | Railway   |                                                                                    |
| (iii)     | 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 Manager         | Railway   |                                                                                    |
| (iv)      | Improvement to circulating area including drainage system of stations (NSG5 & NSG6 Category Stations)           | Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord); Sr. DCM; Sr. DSTE; Sr. DEE*; DRM                   | Divisional Manager         | Railway   |                                                                                    |
| (v)       | General Arrangement Plans/ Drawings/ Layouts for Washing/ Coach maintenance                                     | Concerned Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; Sr. DOM; Sr. DME; Sr.DSTE; DRM | Divisional Manager         | Railway   |                                                                                    |
| <b>2.</b> | <b>Rail Crossings:- ESP's of Level Crossing; ROB's/ RUB's/LHS &amp; Railway Bridges</b>                         |                                                                                              |                            |           |                                                                                    |
| (i)       | ESP of Level Xings except which require HQ approval.                                                            | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DSTE; Sr. DEE*; Sr.DCM; DRM                       |                            |           |                                                                                    |
| (ii)      | Approval of GAD of pipe line xings under railway tracks                                                         |                                                                                              |                            |           |                                                                                    |
|           | (a) for pipe line carrying telephone wires/ TV cable/ Electrical cables/ S& T cables/ Optical fibre cables etc. | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DEE/TRD(In Electrified Section), Sr. DOM#; DRM    | Divisional Manager         | Railway   | GAD prepared as per RDSO guidelines BS-105) CE circular no 510                     |
|           | (b) for pipe line carrying water/ sewerage/ gas/ oil etc. xing single or double tracks                          | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DEE/TRD(In Electrified Section), Sr. DOM#; DRM    | Divisional Manager         | Railway   | GAD prepared as per standard type plan BM-01, 02, 03/GT/2016) (CE circular no 510) |

|          |                                                                                                                                                                                                       |                                                                      |                    |         |                 |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------|---------|-----------------|
| 3.       | <b><u>Buildings &amp; Colonies:-</u></b>                                                                                                                                                              |                                                                      |                    |         |                 |
| (i)      | 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 Manager | Railway |                 |
| 4.       | <b><u>Water Supply &amp; Drainage:-</u></b>                                                                                                                                                           |                                                                      |                    |         |                 |
| (i)      | Water supply plan of colony & stations                                                                                                                                                                |                                                                      |                    |         |                 |
|          | (a) Stations except as mentioned in Annex-III                                                                                                                                                         | Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; Sr. DME(C&W); DRM | Divisional Manager | Railway |                 |
|          | (b) Colonies except as mentioned in Annex-III                                                                                                                                                         | Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; DRM               | Divisional Manager | Railway |                 |
| (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); Sr. DEE*; DRM               | Divisional Manager | Railway |                 |
| (iii)    | Site plans for storage tanks                                                                                                                                                                          | Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; DRM               | Divisional Manager | Railway |                 |
| (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                         | Divisional Manager | Railway |                 |
| (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               | Divisional Manager | Railway |                 |
| (vii)    | Drainage plan of colonies & yards;                                                                                                                                                                    |                                                                      |                    |         |                 |
|          | (a) Other than important yards and important colonies which require HQ approval                                                                                                                       | Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); DRM                         | Divisional Manager | Railway |                 |
| 5.       | <b><u>Land Plans, Leasing, Way Leave/ leasing Facilities(including track crossing), etc.</u></b>                                                                                                      |                                                                      |                    |         |                 |
| (i) Rly. | All Land licensing Plan of the                                                                                                                                                                        | ADEN/ DEN/ Land (if posted independently);                           | Divisional         | Railway | RB's letter no. |

|                                                 |                                                                 |                                                                                                                                                          |                                |                                                                                 |  |
|-------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------|--|
|                                                 | works which comes under DRM's power                             | Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord.); Sr.DOM; Sr. DCM; DRM                                                                                          | Manager                        | 2018/Trans/01/Policy dt. 17.10.2018)                                            |  |
| (ii)                                            | Way leave facility plans including track crossing               | 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     | as per provisions laid down in RB's letter no. 97-W/LML/24/3, dated 01-09-2014. |  |
| (iii)                                           | Land use Plans: For stations/ locations not require HQ approval | ADEN/ DEN/ Land (if posted independently); Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord); DRM                                                                 | Divisional Railway Manager ### |                                                                                 |  |
| <b>Note: ### DRM to inform PCE / CE (MRTS).</b> |                                                                 |                                                                                                                                                          |                                |                                                                                 |  |

**NOTE:**

1. \* Concerned Sr.DEE/TRD where section is electrified or sanctioned for electrification and/or concerned Sr.DEE/G where proposal pertains to general electrical services.
2. All drawings must carry a certificate for each S&T, Electrical, engineering feasibility in terms of SOD-04 by concerned executing agencies, Division/Construction organisation as required.
3. DRM add any other BOs consider necessary in the list given above for signing of plan.

## ANNEXURE-III

**INDICATIVE LIST OF APPROVAL OF PLANS IN HQ****Annexure-III to PCE Circular No. 601 dated 22.02.2021**

| SN        | Description of plans                                                                                                  | Plans to be signed by officers of different departments                                               |                              | Required Level Of Approval |                       | Authority                                                                          | Remarks, if any |
|-----------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------|----------------------------|-----------------------|------------------------------------------------------------------------------------|-----------------|
|           |                                                                                                                       | Divisional level                                                                                      | Headquarters level           | Divisional level           | Headquarters level    |                                                                                    |                 |
| <b>1.</b> | <b>Station &amp; Station yards:</b>                                                                                   |                                                                                                       |                              |                            |                       |                                                                                    |                 |
| (i)       | Master Plan of redevelopment of Stations                                                                              | Sectional Sr DEN/DEN; Sr. DEN (Co-ord); Sr.DCM; Sr. DOM; Sr. DSTE;Sr. DEE*; Sr. DME(C&W);DSC/RPF ;DRM | CTPM; CCM/PS, CE/SD          | Divisional Railway Manager | Chief Engineer /SD    | para 203 of IRWM                                                                   |                 |
| (ii)      | Improvement to circulating area including drainage system of important stations (NSG1 to NSG4 Category Stations)      | Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord.); Sr. DCM; Sr. DSTE; Sr. DEE* Sr DSC/RPF, DRM                | CCM/PS; CE/SD                | Divisional Railway Manager | Chief Engineer /SD    | Para 203 of IRWM                                                                   |                 |
| (iii)     | Yard plan including addition and alterations & dismantling of siding                                                  | Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord.); Sr. DOM; Sr.DSTE; Sr. DEE*; Sr DCM, Sr DME/C&W, DRM        | CTPM; CE/ P&D                | Divisional Railway Manager | Chief Engineer /P&D   | Para 901 (e) of IRWM & RB's letter No.2017/CE-I/CT/13/Prosd. Simpl. dt. 20.10.2017 |                 |
| (iv)      | 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                      | CTPM; CE/SD CE/ P&D          | Divisional Railway Manager | Chief Engineer /P&D   |                                                                                    |                 |
| (v)       | General Arrangement Plans/ Drawings (GAD) of NSG1 to NSG6 catogry Station Buildings including additions & alterations | Sectional Sr.DEN/ DEN;Sr. DEN (Co-ord); Sr. DSTE; Sr. DEE*; Sr. DCM, Sr. DOM, DRM                     | CTPMC; CCM/SD; CE/ SD        | Divisional Railway Manager | Chief Engineer SD     | Para 203 of IRWM                                                                   |                 |
| (vi)      | General Arrangement Plans/Drawings (GAD) of Foot Over Bridges/ Subways including additions & alterations              | Sectional Sr.DEN/ DEN;Sr. DEN (Co-ord); Sr. DSTE; Sr. DEE*; Sr. DOM, Sr. DCM, DRM                     | DY. CE/BD CCM/PS; CBE; CE/SD | Divisional Railway Manager | Chief Bridge Engineer | RB's letter No.2017/CE-I/CT/13/Prosd. Simpl. dt. 20.10.2017 & para 317 of IRBM     |                 |
| (vii)     | Launching Arrangement Plans/Drawings of Foot Over Bridges/ Subways                                                    | Sectional Sr.DEN/ DEN;Sr. DEN (Co-ord); Sr. DSTE; Sr. DEE*; Sr. DOM, DRM                              | Dy.CE/BD ; CBE,              | Divisional Railway Manager | Chief Bridge Engineer | Para 317 of IRBM                                                                   |                 |

|                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                               |                                                                                                                                                          |                                                            |                                                    |                        |                                                                                                                                                |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--|
| (viii)                                                                                                                                                                          | Structural Drawings of Foot Over Bridges/ Subways                                                                                                                                                                                                                                             | Sectional Sr.DEN/ DEN; (for execution feasibility)                                                                                                       | Dy.CE/BD                                                   | Sectional Sr.DEN/ DEN; (for execution feasibility) | CBE                    |                                                                                                                                                |  |
| Note: (a) For items 1 (viii) above for works being executed by construction organization, detailed structural design and drawing shall be approved by construction organisation |                                                                                                                                                                                                                                                                                               |                                                                                                                                                          |                                                            |                                                    |                        |                                                                                                                                                |  |
| 2.                                                                                                                                                                              | <b>ESP's of Level Crossing</b>                                                                                                                                                                                                                                                                |                                                                                                                                                          |                                                            |                                                    |                        |                                                                                                                                                |  |
| (i)                                                                                                                                                                             | ESP of Level Xing;<br>(a) L-Xings involving change in the yard plan in cases where combination of signals i.e. of the gate signal in the block section with any Signal of the station or IES/IBH exist.<br>(b) L-Xings in the automatic signal territory.<br>(c) L-Xing in the station yards. | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord.); Sr.DSTE; Sr. DEE*; Sr.DOM; DRM                                                                                  | CTPM, CTE                                                  | Divisional Railway Manager                         | Chief Track Engineer*  | RB's letter no.2017/CE-I/CT/15/Prosd.. dt. 20.10.2017 & para 1203 of IRPWM                                                                     |  |
| <b>Note:</b> * CTE will advice to CE/P&D for incorporation in existing yard plan.                                                                                               |                                                                                                                                                                                                                                                                                               |                                                                                                                                                          |                                                            |                                                    |                        |                                                                                                                                                |  |
| 3.0                                                                                                                                                                             | <b>ROB/RUB/LHS/Railway Bridges</b>                                                                                                                                                                                                                                                            |                                                                                                                                                          |                                                            |                                                    |                        |                                                                                                                                                |  |
| (i)                                                                                                                                                                             | Approval of General Arrangement Drawings(GAD) for ROB/ RUBs/LHS/Railway Bridges<br>(para 317 of IRBM) & (RB's letter no.2017/CE-I/CT/13/Prosd. Simpl. dt. 20.10.2017)                                                                                                                         |                                                                                                                                                          |                                                            |                                                    |                        |                                                                                                                                                |  |
|                                                                                                                                                                                 | (a) Where Division is supervising or executing agency                                                                                                                                                                                                                                         | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr. DOM#; Sr.DEE/TRD(In Electrified Section); DRM                                                                | Dy. CE/ROB; CBE                                            | Divisional Railway Manager                         | Chief Bridge Engineer. | Para 318 of IRBM & RB's letter no.2017/CE-I/CT/15/Prosd. Simpl. dt. 20.10.2017. ) & RB's letter no. 99/CE-I/Misc./23(IRBM) Pt.I dt : 7.5.2013. |  |
|                                                                                                                                                                                 | (b) Where Construction Organization/ RVNL/DFCCIL/ IRCON/RITES/NCRTC/ DMRC etc is supervising or executing agency (*)                                                                                                                                                                          | Dy CE/Const (and others as per mechanism within construction organisation); CE/Const. (equivalent level for other PSUs)<br>Sectional Sr.DEN/DEN; Sr. DEN | CE/Const (equivalent level for other PSUs)<br>Dy.CE/BD CBE | Divisional Railway Manager                         | Chief Bridge Engineer  |                                                                                                                                                |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                      |                                                             |                            |                                            |                                                                                                         |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                      | (Co-ord); Sr.DEE/TRD(In Electrified Section), Sr. DOM#, DRM |                            |                                            |                                                                                                         |  |  |
| (*): Applicable in case of the new line/ gauge conversion where construction organization is executing the work, where linear water way is reduced or vertical clearance is reduced and where construction is likely to affect any of the existing bridge during construction/service as per para 317 of IRBM and para 4 of the of RB's letter no. 99/CE-I/Misc./23(IRBM) Pt.I dt 7.5.2013. For PSUs, who are working on behalf of railway like RVNL, IRCON etc, GADs of all the bridges of all railway projects will require approval as per above item unless specified otherwise by Rly Bd. For the works being executing by PSUs whose operation and maintenance is with them, only such bridges, which will affect Railways bridges, approval as per above will be required. |                                                                                                                                                                                                                      |                                                             |                            |                                            |                                                                                                         |  |  |
| (c) for pipe line carrying water/ sewerage/ gas/ oil etc. xing single or double tracks (Where Railway Division or Construction) is executing/supervising the work)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DEE/TRD(In Electrified Section), Sr. DOM#, DRM                                                                                                                            | Dy.CE/BD; CBE                                               | Divisional Railway Manager | Chief Bridge Engineer                      | In case standard type plans approved and issued by HQ are adopted than Only DRM's approval is required) |  |  |
| (d) for pipe line carrying water/ sewerage/ gas/ oil etc. xing more than two tracks (Where Railway Division or Construction) is executing/supervising the work)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DEE/TRD(In Electrified Section), Sr. DOM#, DRM                                                                                                                            | Dy.CE/BD; CBE                                               | Divisional Railway Manager | Chief Bridge Engineer                      | In case standard type plans approved and issued by HQ are adopted than Only DRM's approval is required) |  |  |
| (e) approval of GAD of OHE mast over ridges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DEE/TRD(In Electrified Section), Dy.CE/CPM of executing unit; Dy.CE/Bridgmainatining unit; Sr. DOM#, DRM                                                                  | Dy.CE/BD; CBE                                               | Divisional Railway Manager | Chief Bridge Engineer                      |                                                                                                         |  |  |
| (ii) Approval of launching scheme, temporary arrangement design/ drawings and structural designs of all Railway bridges & ROBs/RUBs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Para 317 of IRBM                                                                                                                                                                                                     |                                                             |                            |                                            |                                                                                                         |  |  |
| (a) Where Division is supervising or executing agency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DEE/TRD(In Electrified Section), Sr. DOM#, DRM                                                                                                                            | Dy.CE/BD; CBE                                               | Divisional Railway Manager | Chief Bridge Engineer                      |                                                                                                         |  |  |
| (b) Where Construction unit's/ RVNL/ DFCCIL/ NCRTC/ DMRC etc. are supervising or executing agency ; (in cases not affecting safety of existing line/lines)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Dy CE/Const (and others as per mechanism within construction organisation); CE/Const. (equivalent level for other PSUs)<br>Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DEE/TRD(In Electrified Section), Sr. DOM#, DRM | CE/Const (equivalent level for other PSUs)                  | Divisional Railway Manager | CE/Const (equivalent level for other PSUs) |                                                                                                         |  |  |
| (c) Where Construction unit' / RVNL/ DFCCIL/ NCRTC/ DMRC etc. are supervising or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Dy CE/Const (and others as per mechanism within construction organisation); CE/Const. (equivalent level for other PSUs)                                                                                              | CE/Const (equivalent level for other OSUs)<br>Dy.CE/BD      | Divisional Railway Manager | Chief Bridge Engineer                      |                                                                                                         |  |  |

|           |                                                                                                                                                                                                                                                                                                                        |                                                                                           |                      |                            |                        |                                                                               |  |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------|----------------------------|------------------------|-------------------------------------------------------------------------------|--|
|           | executing agency ; (in cases affecting safety of existing track/tracks))                                                                                                                                                                                                                                               | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DEE/TRD(In Electrified Section), Sr. DOM#; DRM | CBE                  |                            |                        |                                                                               |  |
|           | (d) for pipe line carrying water/ sewerage/ gas/ oil etc. xing single or double tracks                                                                                                                                                                                                                                 | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DEE/TRD(In Electrified Section), Sr. DOM#; DRM | Dy.CE/BD; CBE        | Divisional Railway Manager | Chief Bridge Engineer  | GAD deviated to standard type plan BM-01, 02, 03/GT/2016 (CE circular no 510) |  |
|           | (e) for pipe line carrying water/ sewerage/ gas/ oil etc. xing more than two tracks                                                                                                                                                                                                                                    | Sectional Sr.DEN/DEN; Sr. DEN (Co-ord); Sr.DEE/TRD(In Electrified Section), Sr. DOM; DRM  | Dy.CE/BD; CBE        | Divisional Railway Manager | Chief Bridge Engineer  | CE circular no 510                                                            |  |
|           | Note: (a) As per Railway Board letter no 2016/54/CE-III/BR/RDSO/Misc dated 12.2.21, detailed design/drawing of non-standard composite girder/Bow String Girders of ROB's shall be approved by CBE office where work is being executed by Open Line and CE/C where work is being executed by Construction organization. |                                                                                           |                      |                            |                        |                                                                               |  |
| <b>3.</b> | <b><u>Buildings &amp; Colonies:-</u></b>                                                                                                                                                                                                                                                                               |                                                                                           |                      |                            |                        |                                                                               |  |
| (i)       | Master plan of Important Colonies (i.e. Zonal HQ, Divisional 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     | para 203 of IRWM                                                              |  |
| (ii)      | Addition/alteration to standard type quarters                                                                                                                                                                                                                                                                          | -                                                                                         | Dy. CE/P&D; CE/P&D   | -                          | Chief Engineer /P&D*** | para 218 of IRWM                                                              |  |
| (iii)     | Structural drawing for any structure including addition and alteration to an existing structure.                                                                                                                                                                                                                       | Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); ADRM(Tech) – @ design through consultancy        | AXEN/ P&D; Dy.CE/P&D | ADRM (Tech.)               | Dy. Chief Engineer/P&D |                                                                               |  |
| (iv)      | All structures involving departure from type plans issued by HQ or by RDSO                                                                                                                                                                                                                                             | Concerned Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord); DRM                                   | Dy. CE/P&D; CE/P&D   | Divisional Railway Manager | Chief Engineer /P&D*** |                                                                               |  |
| (v)       | General Arrangement layouts/Drawings (GAD) of Buildings including additions & alterations                                                                                                                                                                                                                              | 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   | para 203 of IRWM                                                              |  |
|           | Note: ***This will require prior approval of Pr.CE as per IRWM para 218(C).                                                                                                                                                                                                                                            |                                                                                           |                      |                            |                        |                                                                               |  |
| <b>4.</b> | <b><u>Water Supply &amp; Drainage:-</u></b>                                                                                                                                                                                                                                                                            |                                                                                           |                      |                            |                        |                                                                               |  |
| (i)       | Water supply plan of colony & stations                                                                                                                                                                                                                                                                                 |                                                                                           |                      |                            |                        |                                                                               |  |
|           | (a) Important colonies /Stations (i.e. Zonal HQ, Divisional HQ, and any other colony considered                                                                                                                                                                                                                        | Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; DRM                                    | Dy CE/W; CE/ Works   | Divisional Railway Manager | Chief Engineer /Works  | para 553 of IRWM                                                              |  |

|       |                                                                                                                                                                                                                                                                                   |                                                                                                                                             |                                           |                            |                       |                                                                        |  |
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|       | important by Division)                                                                                                                                                                                                                                                            |                                                                                                                                             |                                           |                            |                       |                                                                        |  |
|       | (b) Other colonies /Stations                                                                                                                                                                                                                                                      | Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); Sr. DEE*; DRM                                                                                      | Sr DEN/C                                  | Divisional Railway Manager | -                     |                                                                        |  |
|       | 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*; Sr DME/C&W; DRM                                                                           | Dy. CE/Const.; CE/Const.                  | Divisional Railway Manager | CE/Const.             |                                                                        |  |
| (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                                                                                                | CTE                                       | Divisional Railway Manager | Chief Track Engineer  | Para 1302 of IRPWM                                                     |  |
|       | (b) Important colonies (i.e. Zonal HQ, Divisional HQ, and any other colony considered important by Division)                                                                                                                                                                      | Sectional Sr.DEN/ DEN; Sr. DEN (Co-ord); DRM                                                                                                | Dy CE/W; CE/Works                         | Divisional Railway Manager | Chief Engineer /Works |                                                                        |  |
| 5.    | <b>Land Plans, Leasing, Way Leave/ leasing Facilities(including track crossing), etc.</b>                                                                                                                                                                                         |                                                                                                                                             |                                           |                            |                       |                                                                        |  |
| (i)   | Land licensing/ leasing Plan i.e. ADEN/ DEN/ Land transfer/exchange of land, (if posted independently); Sectional Commercial Plots, Bulk Oil Installation, Coal dump etc. other than 5(i) above (Except land licensing plans of the works specifically delegated to DRM/Division) | Sr. DEN/ DEN; Sr. DEN (Co-ord); Sr. DCM; Sr. DOM; DRM                                                                                       | Dy. Chief Engineer/ P&D; CCM/FM; CE/ MRTS | Divisional Railway Manager | Chief Engineer/ MRTS  | Para 823 to 826 of IRWM & RB's letter no. 2005/LML/18/8 dt. 10.02.2005 |  |
| (ii)  | 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  | Para 806 Of IRWM                                                       |  |
| (iii) | Land use Plans:                                                                                                                                                                                                                                                                   |                                                                                                                                             |                                           |                            |                       |                                                                        |  |

|                                                                                                                                                                     |                                                                                                                                                                                                                                                               |                                                                                                                                                            |                                            |                            |                      |                                                                  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------|----------------------|------------------------------------------------------------------|--|
|                                                                                                                                                                     | (a) For Metropolitan Cities, State Capitals, A1 & A category stations, important District HQs & Junction Stations                                                                                                                                             | ADEN/ DEN/ Land (if posted independently); Sectional S. DEN/ DEN; Sr. DEN (Co-ord); DRM                                                                    | Dy. Chief Engineer/Land; CE/ MRTS          | Divisional Railway Manager | Chief Engineer /MRTS | RB's letter no. 2009/LML/13/1 dt. 23.01.2009                     |  |
| (iv)                                                                                                                                                                | 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  | para 820 of IRWM & RB's letter no. 2005/LML/18/8 dt. 10.02.2005  |  |
| (v)                                                                                                                                                                 | NOC plan for construction of building within 30 meter from railway boundary & not affecting safety of track.                                                                                                                                                  | Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord.); Sr. DEE; Sr. DSTE; DRM                                                                                          | Dy. Chief Engineer/ Land; CE/ MRTS         | Divisional Railway Manager | Chief Engineer MRTS  | Para 827 of IRWM & RB's letter no. 2008/LML/19/17 dt. 16.02.2010 |  |
| (vi)                                                                                                                                                                | Plan of entrustment of land to RLDA for commercial exploitation with GM's approval                                                                                                                                                                            | Sectional Sr. DEN/ DEN; Sr. DEN (Co-ord.); DRM                                                                                                             | CCM/PS; CTPM; CE/MRTS                      | Divisional Railway Manager | Chief Engineer MRTS  | RB's letter no. 2008/LML/2/17 dt. 28.4.2009 with GM's approval.  |  |
| (ix)                                                                                                                                                                | Permission to cross Railway Land by Metro, RRTS & High Speed Rail Corridor                                                                                                                                                                                    | ADEN/ DEN/ Land (if posted independently); Sectional S. DEN/ DEN; Sr. DOM (where speed restriction is required); Sr. DSTE; Sr. DEE*; Sr. DEN (Co-ord); DRM | Dy. Chief Engineer/ Land; CE/ P&D; CE/MRTS | Divisional Railway Manager | Chief Engineer MRTS  | RB's letter no. 2020/LML/1/24/16 dt. 25.8.2020                   |  |
| 6.                                                                                                                                                                  | <b>DPR, L-Section for New Line/Doubling/ Gauge Conversion/Elevated Corridor etc. where Railway work is executed by PSUs and for other works whose operation and maintenance is with PSUs, only such section, which affect existing Railways track/tracks.</b> |                                                                                                                                                            |                                            |                            |                      |                                                                  |  |
| (i)                                                                                                                                                                 | L-Sectional for New Line/Doubling/ Gauge Conversion & Elevated Corridors etc.                                                                                                                                                                                 | Sectional Sr. DEN/DEN; Sr. DEN (Co-ord); Sr. DOM, DRM                                                                                                      | Dy. CE/P&D; CE/ P&D                        | Divisional Railway Manager | Chief Engineer /P&D  |                                                                  |  |
| (ii)                                                                                                                                                                | Examination of DPRs of Railway funded works.                                                                                                                                                                                                                  | Sectional Sr. DEN/DEN; Sr. DEN (Co-ord.); Sr. DME(C&W); Sr. DSTE; Sr. DEE*; Sr. DOM; DRM.                                                                  | CSTE/P.g; CETE; CTPM; CE/P&D               | Divisional Railway Manager | Chief Engineer /P&D  |                                                                  |  |
| 7.                                                                                                                                                                  | <b>Miscl. viz safety related works etc.</b>                                                                                                                                                                                                                   |                                                                                                                                                            |                                            |                            |                      |                                                                  |  |
| (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; CE/GE/CEDE** ; CME(Plg.); CTE  | Divisional Railway Manager | Chief Track Engineer |                                                                  |  |
| (ii)                                                                                                                                                                | LWR/CWR plan                                                                                                                                                                                                                                                  | AEN; Sr. DEN/ DEN                                                                                                                                          | CTE                                        | Divisional Railway Manager | Chief Track Engineer | Para 326 of IRPWM. Deviation will require approval of PCE.       |  |
| Note: ** CEDE to examine & sign for electrified section (also for sections with sanctioned electrification) and CE/GE to examine & sign for non-electrified section |                                                                                                                                                                                                                                                               |                                                                                                                                                            |                                            |                            |                      |                                                                  |  |

**NOTE:**

1. \* Concerned Sr.DEE/TRD where section is electrified or sanctioned for electrification and/or concerned Sr.DEE/G where proposal pertains to general electrical services.
2. In all cases where construction organisation is executing agency, the GAD/Plans to be signed by all concerned Dy HODs and/or HODs, and any other official (as per internal mechanism of construction organisation) before submission for approvals through respective division.
3. All drawings must carry a certificate for each S&T, Electrical, engineering feasibility in terms of SOD-04 by concerned executing agencies, Division/Construction organisation as required.
4. Pr CE can direct for approval at higher level depending on the importance and complexity of the matter.
5. Sr DEN/Co of the division and CE/P&D (or CBE, CTE, CE/MRTS, CE/SD, CE/Works as the case may be) will be nodal points for the GAD approval process.
6. Complete feasibility examination from site as well as technical point of view should be done by division before forwarding the plan to Head Quarter for approval.

