

**GOVERNMENT OF INDIA (BHARAT SARKAR)
MINISTRY OF RAILWAYS (RAIL MANTRALAYA)
(RAILWAY BOARD)**

No. 2025/CE-IV/Estimates/General

New Delhi, dated 01.01.2025


**Principal Chief Engineer,
All Zonal Railways.**

Sub: Checklist for ROB/RUB/LHS/FOB proposals and Detailed/ Revised estimates.

Sanctioning of works of Road over Bridge (ROB)/Road under Bridge (RUB) in lieu of Level crossings (LCs) is a continuous and dynamic process of Indian Railway. Additionally, work of subway/FOB is also being sanctioned at Non -LC locations to improve safety and mobility of trains/road users.

A large no. of revised/ detailed estimates of these works and proposals for sanction of new works of Road over Bridge (ROB)/ Road Under Bridge (RUB)/Limited Height Subway (LHS)/ Foot over Bridge (FOB) are received in Board. It is seen that due to various routine type shortcomings in the proposals, sanction of these works gets delayed. To streamline this process and to avoid routine type shortcomings, checklists for revised/ detailed estimates and RUB/LHS/FOB proposals are enclosed herewith for submission along-with Proposals/Estimates.

DA: Checklist (3 nos.)


02/01/25

**(Hemant Kumar)
Director Civil Engg./ B&S-II
Railway Board**



o/c

Check-List regarding processing of Estimates in Railway Board

a) Name of Work	
1. The Name of Work to be mentioned on covering note shall include	
i. The Name of ROB if any	Yes/No
ii. Lane of ROB (2 Lane/4 Lane)	Yes/No
iii. Whether New ROB or Widening/ Re-building	Yes/No
iv. The Level Crossing Number	Yes/No
v. Level Crossing Railway Kilometer (EP No.)	Yes/No
vi. Block Section of Level Crossing (Full Name)	Yes/No
vii. Name of Division and Zone	Yes/No
b) Details of Work	
1. The year of Works Programme in which the Abstract Estimate was sanctioned (PB Item Number also) Attach Xerox Copy of Pink Book in which this item is appearing.	Yes/No
2. Copy of Abstract Estimate (Copy enclosed)	Yes/No
3. The current item number of Pink Book of Present Financial Year (Copy of Pink Book)	Yes/No
4. Total Cost of Sanction in Abstract Estimate along with Railways and State Govt. Share in Crs. of Rupees (As mentioned in TOP Sheet of Detailed/Revised Estimate)	Yes/No
c) Detailed Estimate Details	
1. Reason for Delay in Preparation of Detailed / Revised Estimate	Yes/No
2. Cost of Detailed Estimate in Crs. Rupees along with Railway and State Govt. Share as appearing in TOP Sheet of Estimate	Yes/No
3. Mention that "The estimate is Duly VETTED By Associate Finance and Approved by GM of Railway enclose. Copy of Letter of Vetting and Approval. (copy enclosed)	Yes/No
4. Whether State govt. has declined for cost sharing or no response from State Government (copy enclosed)	Yes/No
5. If land acquisition cost is included, it may be linked with supporting papers. a. In case, at State Govt. land, their consent letter for permitting construction fee of cost (Copy Enclosed) b. In case of private land, the construction as per circle rate (Copy enclosed)	Yes/No
d) Fitness of Proposal for Construction of ROB	
1. In case of rebuilding works whether additional lanes are included in the proposal, if yes, cost sharing pattern with justification thereof	Yes/No
2. If any additional Lane is included cost sharing pattern between	Yes/No

<p>Railways and State it needs to be explained, w.r.t. existing norms</p> <p>Two-lane ROB for LCs having TVU less than 3 lacs, and, Four-lane ROB for LCs having TVU more than 3 lacs.</p>	
3. If change is in span arrangement at Detailed Estimate stage & its detailed justification duly supported by guidelines.	Yes/No
4. If change is in cost at utility shifting & other sub-heads if any & their detailed justifications.	Yes/No
5. Whether the estimate booklet pages are NUMBERED and page reference are given whenever required.	Yes/No
e) Variation Table	
1. Variation Table in covering sheet mentioning the Abstract Cost, Detailed / Revised Estimate Cost, Difference of % Variation, Railways Share and State Govt Share Wise as given in annexure (All figures be in Crs. of Rupees rounded up to two places after decimal). Clearly showing variation due to price escalation & variation due to other than price escalation.	Yes/No
2. The Reason for Boards Approval be clearly outlined i.e., total cost exceeding GM's Sanction Power / Abstract Estimate Sanctioned By Board/ increase due to Escalation above 100%/ Increase due to other than Escalation above 20% / this element shall be clearly pointed out mentioning the actual % variation of each component.	Yes/No
3. In case of revised estimate from cost sharing to 100% railway cost, variation table be prepared according to Board's letter dated 19.08.2024. (variation should be w.r.t. combined sanctioned cost)	Yes/No
f) Financial Issues	
1. If the estimate comprises full ROB or only Railway portion and if only part estimate made, the reason thereof.	Yes/No
2. Whether the increase in cost in Railway portion is fully explained.	Yes/No
3. If abnormal price hike in State Govt. Portion separate clarification from concerned authority for abnormal price hike and supporting documents have been enclosed.	Yes/No
4. The detailed reason of OVERALL price hike & abnormal % increase shall be exclusively explained.	Yes/No
5. The provision of D&G Charges in estimate may be checked, and it should be within current prescribed norms.	Yes/No
6. Whether the detailed/revised estimate includes all the items provision for which was kept in Abstract Estimate (Like	Yes/No

Signaling, Electrical cost etc.)	
7. Whether the provision of UNFORESEEN ITEM, if kept, then the amount involved and if excess, to be DELETED.	Yes/No
8. Whether item-wise variation of sub-estimate, duly mentioning the items (major ones), quantity & rate proposed in the instant estimate vis-à-vis the Abstract Estimate has been provided.	Yes/No
9. Whether detailed item-wise justification along-with financial implication for each item for increase in cost due to reasons other than escalation has been provided.	Yes/No
10. Whether the whole cost of approaches and bridge proper is as per prevailing average PER METER COST (For applicable lane 2/4/Multi) and comparison based upon other ROBs sanctioned by board in recent past if not reasons therefore (Copy enclosed) .	Yes/No
g) Engineering Deptt. Checks/ Financial Implications	
1. Whether the type of Foundation (normally Open and not pile), Type of Girder (Normally Composite) and detailed reasons may be provided, if variation from existing instructions of board.	Yes/No
2. The type and rate of important items like cement (Like OPC), Steel (Like Fe-500, TMT and Not TOR) to be at par with LARs and the mention there of to justify the quality and rate.	Yes/No
3. If the Cost of Service Road is to be included in State Govt's Share.	Yes/No

Check-List regarding processing of ROB/RUB proposals (Cost > Rs. 50 Cr)

a) Name of work	
Whether name of work is started with 'Name of Division: Block Section - Construction of x-Lane ROB/RUB.....'	Yes/No
b) Cost of Proposal and Vetted cost	
(i) Whether total cost (Rly share+State share) has been vetted by Associate Finance (in case of cost sharing work)	Yes/No
(ii) Whether total cost (Rly share) has been vetted by Associate Finance (in case of work proposed under 100% Railway cost)	Yes/No
(iii) Whether total cost VETTED by associate finance is equal to allocated cost in (SF+CAP) or (SF+RRSK+CAP) or (SF+RRSK+CAP+DPO)	Yes/No
(iv) Whether sum of all departments estimate is equal to total vetted cost	Yes/No
(v) Whether cost of work shown in DPR is same as vetted cost	Yes/No
c) Check for TAG- Gati Shakti Tag/DRM Priority Tag	
(i) Gati Shakti Tag - No need for Zonal Finance vetting viz only Divisional Finance vetting is sufficient.	Yes/No
(ii) DRM Priority Tag- Whether DRM Personal Certificate is attached	Yes/No
d) Justification	
Whether the justification provided in the Top Sheet (IRPSM) is consistent with the name of the work and is properly detailed	
e) Reason for high cost of proposal	
(i) 2-Lane ROB/RUB - Whether reason for high cost along with items responsible is furnished if cost is more than 60 Cr	Yes/No
(ii) 4-Lane ROB/RUB - Whether reason for high cost along with items responsible is furnished if cost is more than 90 Cr	Yes/No
f) Documents needed for ONE PDF	
(i) Whether Covering letter is attached as per RB letter dated 20.05.2022	Yes/No
(ii) Whether Top sheet of proposal is attached	Yes/No
(iii) Whether Notings showing Zonal Finance concurrence/Divisional Finance concurrence (If any Tag available) with forwarding of GM is attached	
(iv) Whether Abstract Estimate is attached	Yes/No
(v) Whether DPR has been attached	Yes/No
g) Detailed Project Report (DPR)	
(i) Whether all requisite details are filled in Salient features section	Yes/No
(ii) Whether DE for Railway portion along with Approach portion DE (If on 100% Rly cost) is attached	Yes/No
(iii) Whether DE for Railway portion along with DE for State portion (Approach portion) (if on cost sharing basis) is attached	Yes/No
(iv) If any unit rate is taken for DE for any portion- Details of that particular unit rate basis is attached	Yes/No
h) Land requirement	
(i) State Govt Land- Whether consent of State Govt for use of state land for the construction of ROB/RUB is taken	Yes/No
(ii) Private land- Cost of land duly supported by relevant documents	Yes/No
i) TVU	
(i) If TVU ≥ 3 Lacs, 4-lane ROB/RUB to be proposed. If 2 lane ROB/RUB is proposed, a certificate regarding "no additional ROB or widening of ROB	Yes/No

will be required in near future" may be furnished.	
(ii) If TVU is close to 3 lacs (assume 2.5-3 lacs) & year of census is old/due, 2-lane ROB/RUB may be proposed, whether requirement for construction of 4-lane ROB/RUB has been examined as per latest requirement of traffic.	Yes/No
j) Other details	
(i) Whether the justification & other details provided in the DPR is consistent with the justification & other details in the Top Sheet (IRPSM), and whether both align with the name of the work	Yes/No
(ii) Whether recent cost sharing consent from State is attached (cost sharing work)	
(iii) Whether NOC for LC closure is attached (in case NOC has been obtained)	Yes/No
(iv) Whether Drainage certificate along with Technical feasibility certificate to be provided (If additional RUB/LHS is also included in proposal)	Yes/No

Check-List regarding processing of RUB/LHS/FOB proposals at non LC location

a) Name of work	
Whether name of work is started with 'Name of Division: Block Section - Construction of	Yes/No
b) Cost of Proposal and Vetted cost	
(i) Whether total cost (Rly share+State share) has been vetted by Associate Finance (in case of cost sharing work)	Yes/No
(ii) Whether total cost (Rly share) has been vetted by Associate Finance (in case of work proposed under 100% Railway cost)	Yes/No
(iii) Whether total cost VETTED by associate finance is equal to allocated cost in (SF+CAP) or (SF+RRSK+CAP) or (SF+RRSK+CAP+DPO)	Yes/No
(iv) Whether sum of all departments estimate is equal to total vetted cost	Yes/No
(v) Whether cost of work shown in DPR is same as vetted cost	Yes/No
c) Check for TAG- Gati Shakti Tag/DRM Priority Tag	
(i) Gati Shakti Tag - No need for Zonal Finance vetting viz only Divisional Finance vetting is sufficient.	Yes/No
(ii) DRM Priority Tag- Whether DRM Personal Certificate is attached	Yes/No
d) Justification	
Whether the justification provided in the Top Sheet (IRPSM) is consistent with the name of the work and is properly detailed	Yes/No
e) Reason for high cost of proposal	
(i) RUB/LHS/Subway - Whether reason for high cost along with items responsible is furnished (in case cost of work is more than 6.0 Cr)	Yes/No
(ii) FOB - Whether reason for high cost along with items responsible is furnished (in case cost of work is more than 6.0 Cr)	Yes/No
f) Documents needed for ONE PDF	
(i) Whether Covering letter is attached as per RB letter dated 20.05.2022	Yes/No
(ii) Whether Top sheet of proposal is attached	Yes/No
(iii) Whether Notings showing Zonal Finance concurrence/Divisional Finance concurrence (If any Tag available) with forwarding of GM is attached	
(iv) Whether Abstract Estimate is attached	Yes/No
(v) Whether DPR has been attached	Yes/No
g) Detailed Project Report (DPR)	
(i) Whether all requisite details are filled in Salient features section	Yes/No
(ii) Whether Department-wise estimate is attached	Yes/No
(iii) Whether site photos, sketches, google images etc. are attached	
h) Land requirement	
If non-railway land is required, consent for using land, free of cost has been taken (If yes, relevant documents may be attached)	Yes/No
i) Other requisite details	
(i) Whether information has been furnished as per para 3 of Board's letter dated 11.09.23	Yes/No
(ii) Whether Joint committee report (DEN, DOM, DSO and DSC) duly approved by DRM as per Board's letter dated 16.04.24 is attached	Yes/No
(iii) Whether technical feasibility w.r.t water logging report certified at SAG level is attached (in case of RUB/LHS/Subway work)	Yes/No
(iv) Whether details of the grade separators (ROB, RUB, FOB, LHS, LC etc)	Yes/No

present in vicinity of these trespass locations alongwith the distance are furnished	
(v) Justification for opting FOB or RUB/LHS/Subway	Yes/No
(vi) Justification for opting size of RUB/LHS/Subway (why 2.5 m LHS is not proposed)	Yes/No
(vii) Whether the justification & other details provided in the DPR is consistent with the justification & other details in the Top Sheet (IRPSM), and whether both align with the name of the work	Yes/No
(viii) Whether any action taken by RPF to the trespassers (If yes, details may be attached)	Yes/No
(ix) Whether work of boundary wall has been sanctioned or is planned for sanction in future at the proposed locations. (If not, the reasons for proposing LHS instead of cheaper option of boundary wall to tackle the problem of trespassing may be provided.)	Yes/No
(x) Clarification for why the requirements cannot be managed with a barrier for preventing vehicular traffic.	Yes/No
(xi) Whether any steps have been taken by Railways to deter trespassing in the proposed locations (If yes, details may be attached)	Yes/No