

Minutes of the Internal Appraisal Committee (IAC) meeting held on 01.09.2021 for the project "Construction of Tunnels/Viaducts at identified sliding/slip zones in Design Ch. 130+550 to Ch. 130+750; Ch. 131+170 to Ch. 131+763, Ch. 132+560 to Ch. 133+168, Ch. 133+590 to Ch. 133+743 and Ch. 147+877 to 148+715 in Udhampur-Ramban section of NH-44 in the UT of J&K under residual NHDP on EPC Mode "

Four Laning of Udhampur-Ramban Section of NH-1A (Now NH-44) from Km 67.00 to Km 89.00 and Km 130.00 to Km 151.00 on EPC Mode in J&K under NHDP Phase-III was awarded to M/s Gammon and CA was signed on 06.10.2015. AD was 27.12.2015 with SPCD as 27.12.2018. The present progress is about 75%.

2. RO Jammu vide letter dt. 24.02.2021 recommended COS Proposal for In-Principle Approval for Construction of Bridges, Tunnel, and Culvert Construction at 5 No's of sinking/Slide Area. The proposal was examined and it was observed that taking up the said works under CoS may further delay the completion of the project and unwarranted EOT to the Contractor. In view of same, proposal was returned back to RO Jammu with the advise for taking up the said works as Standalone works for which the DPR/Bidding documents may be prepared by the DPR Consultant working in the adjoining section under the jurisdiction of RO Jammu as a variation.

3. Accordingly, DPR Consultant i.e. M/s ICT-Altinok JV prepared documents and RO Jammu vide e-office file no 92737 dated 12.07.2021 recommended detailed project report and technical schedules (A to D & H) for taking further necessary action in the matter.

4. Since scheduled date of completion of project is already over long back and the physical progress and maintenance activities of the existing highway by the EPC Contractor is very poor, RO Jammu vide letter dated 12.06.2021 also issued intention to Termination Notice to the EPC Contractor i.e. M/s Gammon for the project.

5. The stretch of Udhampur-Chenani Nashri-Ramban Section in the UT of J&K is at Sr No 118, Annexure III(a), List of residual works to be implemented under NHDP as per Investment Approval for Phase-I of "Bharatmala Pariyojna"-Reg circulated by Ministry vide OM dated 03.11.2017. The stretch of Udhampur-Chenani and Nashri-Ramban Section in the UT of J&K is at Sr No 20 & 21 respectively, Annexure III(a), List of residual works to be implemented under NHDP as per Investment Approval for Phase-I of "Bharatmala Pariyojna"-Reg circulated by Ministry vide OM dated 21.12.2017.

6. Consultant i.e. M/s Intercontinental Consultants and Technocrats Pvt Ltd in JV with ALTINOK Consulting Engineering Inc. and PD Ramban and RO Jammu recommended bidding documents on EPC mode for the project with following details

S No.	Description	Amount (In Cr.)
1	Tunnel Works including Civil and E&M	78.92
2	Road Works	3.50
3	Bridge Work	160.87
4	Drainage and Protection Works	82.15
	Civil Cost	325.44

7. Executive Committee in its 480th meeting held on 26.07.2021 under Agenda Item No 480.04 approved to take up the works at 5 sinking/sliding areas through a separate bid on EPC Mode with a capital cost of Rs 448.00 Cr on EPC Mode.

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8. Salient Features of the project are tabulated below:-

S. No.	Description	Details
I.	Length	North Bound-2.058Km, South Bound-2.369Km (5 Sinking Locations)
II.	Civil Construction Cost	Rs. 325.44 Cr.
III.	Type of Pavement (Rigid/Flexible)	Flexible for MCW and Rigid For Tunnel & Box Type Structure
IV.	Major Bridges (Viaduct)	7 no's of viaducts at 4 locations including NB & SB (2220.35 m length of NB & SB Viaduct lengths excluding approaches)
V.	Tunnel (Single Tube, Uni-Directionnel)	Single Tube Equivalent Length= 608.0m (tunnel tube length =608m Approaches - 230.0m)
VI.	Box Type Structure : Single Box Structure Uni-Directionnel (For North Bound Direction)	Single Box Structure Length= 570.0m (Box Length = 570.0m; Approaches - 130.0m)
VII.	Re-alignment Length	NB-0.98 Km, SB-1.78 Km

9. The details of capital cost of the project presented before IAC is tabulated below:

S No.	Description	Amount (In Cr.)
1	Tunnel Works including Civil and E&M (Single Tube=608m)	78.92
2	Road Works	3.50
3	Bridge Work (Viaducts -7 Nos including for NB& SB both side, Box type structure-1 No.)	160.87
4	Drainage and Protection Works	82.15
(A)	Civil Cost	325.44
(B)	Labour Cess: 1% on (A)	3.25
(C)	Civil Cost including Labour Cess	328.69
(D)	Contingency: 1% on (A)	3.25
(E)	Supervision Charges: 3% on (A)	9.76

		Pvt. Land=3.322Ha.
4	3A Published	3A is finalized and likely to be published by 15.09.2021
5	3D Published	

11. Status of pre-construction Activities presented before IAC is as under:-

S. No.	Approvals/Clearances	Status	Remarks
1	Land Acquisition Status	Required	3A is finalized and likely to be published by 15.09.2021.
2	Environment clearance	Not Required	Not Required
3	Status of ROB clearance	Not Required	Not Required
4	Cutting of Live Trees	Required	-
5	Forest Clearance	Required	Under Preparation.
6	CRZ Clearance	Not Required	Not Required.

12. Technical Consultant submitted cost comparison as per recent Ministry's Circular dated 25.04.2018. Cost of all items are within the normative cost.

13. Observations of Advisor (T) and compliances of same are placed at F/X.

14. During the Meeting following points were raised by IAC Committee which was further clarified/reply as under by Technical Division:

SN.	IAC Observation	Reply
(i)	IAC enquired about provision of catch water drain on top of slide zone and further draining of water to the nearby area	It was replied that in Schedule B it is mentioned that "The catch water drains shall be placed at least 2.0m above the top extent of slide zone and shall be channelized / connected to nearby nallah / depression zone or culvert as per site specific conditions".
(ii)	IAC enquired, what other options were explored other than Viaducts.	It was replied that aquifer exists at site, hence viaduct is the suitable option.
(iii)	IAC also enquired about the procedure of design of foundation, slope protection measures and testing carried out.	Geophysical tests /ERT & Geological mapping were carried out. Based on the results of these tests the local slope failure due to joints and global slope failures were checked and found safe with proposed support system and same was explained by the Consultant during presentation and the detailed design of one location was also explained in detail.

15. After detailed deliberations as mentioned above, the Committee appraised the following proposal for further approval:

S No.	Project Name	Length(in Km)	Civil Construction Cost (Rs. in Crs.)	Total Capital Cost (Rs. In Crs.)
1.	Construction of Tunnels/Viaducts at identified sliding/slip zones in Design Ch. 130+550 to Ch. 130+750; Ch. 131+170 to Ch. 131+763, Ch. 132+560 to Ch. 133+168, Ch. 133+590 to Ch. 133+743 and Ch. 147+877 to 148+715 in Udhampur-Ramban section of NH-44 in the UT of J&K under residual NHDP on EPC Mode	North Bound- 2.058Km, South Bound-2.369Km (5 Sinking Locations)	325.44	442.14

17. The meeting ended with vote of thanks to the chair.


 (Nitesh Kumar Goyal)
 DGM(Tech) J&K/HP
 08.09.2021

GM (Tech) J&K/HP


 8/9/21


 Member Secretary 8/9

CGM (Tech) J&K/HP

Advisor (Tech) RKS

Advisor (Tech) RKS, CGM (CMD) VG and CGM (F) BMR vide e-office file (computer No. 103883) concurred above Minutes of meeting of IAC held on 01/09/2021 for the subject project copy enclosed (F/A).

CGM (CMD) VG

CGM (F) BMR

Member (P) RKP


 CGM (F) J&K/HP


 6 M/T vs


 DGM-NKA


 14/3/21
 अध्यक्ष सचिव
 राष्ट्रीय राजमार्ग (तकनीकी)
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