

I/2587/2021

File No.NHA/PIU/ASR/NH-01/BLACKSPOTS/2020/825.-Part(1)

**National Highways Authority of India
(Ministry of Road, Transport and Highways)
Punjab Division**

To,
**Regional Officer,
RO - Chandigarh,
National Highways Authority of India,
Bays No. 35-38, Sector-4,
Panchkula-134 112, Haryana,
Ph.: (0172) 2583030**

Sub: Construction of 6-lane Elevated structure at Ch. 414+000, 425+880, 432+300 and 438+850 of NH-3 section from Amritsar to Jalandhar for Rectification of Blackspots under Priority II. -**Regarding approval of project.**

Ref: RO-Chandigarh submission vide E-office file no. 67231

Sir,


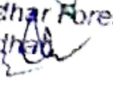
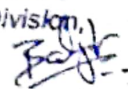
This is with reference to aforesaid subject and submission made in E-file, vide which proposal for construction of 6-lane Elevated structure at Ch. 414+000, 425+880, 432+300 and 438+850 of NH-3 section from Amritsar to Jalandhar for Rectification of Blackspots was recommended for approval of Competent Authority.

2. In the above context, it is informed that Competent Authority has approved the proposal. Approved total capital cost of proposal is Rs. 166.70 Cr. Details of Cost Estimate are attached as Annexure-A.
3. Further, appraisal Minutes are also enclosed. It is requested to ensure compliance of same.
4. This is for your information and for taking further necessary action please.

Yours faithfully,

Signed by Abdulla Javed
Azmi
(A J Azmi)
Date: 04-06-2021 19:08:19
Reason: Approved
DGM (Tech.)-PB


Copy to: PD, PIU, Amritsar – for information and necessary action


**Divisional Forest Officer,
Jalandhar Forest Division,
Jalandhar**



Annexure-A

Approved cost details is as under :

S.No	Location name	Chainage in km	Amount (in Rs.)
i	Beas Flyover (6 X 30 m)	413.910 – 414.090	28,89,97,841
ii	Khichian Flyover (3 x 30 m)	425.835- 425.925	23,41,49,135
iii	VUP Chouhan (1x20 m)	432.290- 432.310	20,72,45,403
iv	Jandiala Flyover (11x30 m)	438.685- 439.015	68,47,30,229
1	Total Civil Cost		141,51,22,608
	Utility Shifting Cost (utility shifting cost is taken 5% of total civil cost for estimation purpose)		7,07,56,130
2	Estimated Civil Construction Cost including Utility shifting cost		148,58,78,738
a)	GST on Civil Cost		As applicable
b)	Contingencies @ 2.8% of Civil Cost		3,96,23,433
c)	Escalation Charges @ 5% per annum for 1.5 years of Civil Cost		10,61,34,196
d)	Post Maintenance Charges 2.5% for 5 Years		3,53,78,065
3	Estimated Project Cost including Centages		166,70,14,432
	Other Costs		
i	Cost of land acquisition		-
ii	Cost of Structure Valuation		-
iii	Cost of Diversion of Forest Area		-
4	Total Other Costs		-
5	Total Capital Cost		166,70,14,432


 Divisional Forest Officer,
 Jalandhar Forest Division,
 Jalandhar.



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(भारत) मोटोवहन और राजमार्ग मंत्रालय)
National Highways Authority of India
(Ministry of Road Transport and Highways)
प्लॉ-5 एन 6, सेक्टर-10, द्वारका, नई दिल्ली-110075
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दूरभाष: (011) 25074199/25074
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NHAI/PIU/ASR/NH-01/BLACKSPOTS/2020/825.-Part(1)/E-67231/PB-328

Dated: 02.06.2021

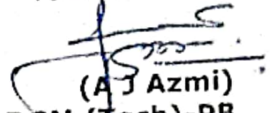
OFFICE MEMORENDUM

Sub: Construction of 6-lane Elevated structure at Ch. 414+000, 425+880, 432+300 and 438+850 of NH-3 section from Amritsar to Jalandhar for Rectification of Blackspots under Priority II. -Regarding MoM of appraisal of project by IAC.

A meeting of Internal Appraisal Committee for "Construction of 6-lane Elevated structure at Ch. 414+000, 425+880, 432+300 and 438+850 of NH-3 section from Amritsar to Jalandhar for Rectification of Blackspots under Priority II" was held on 24.05.2021 for appraisal of subject project.

2. In this context, please find enclosed herewith copy of approved minutes of meeting for information and necessary action please.

Yours faithfully


(A J Azmi)
DGM (Tech)-PB


Encl.: As above

To,

All Committee Members
Sh. R.K Pandey- Member (P), Chairman
Sh. Vishal Gupta, CGM (T), Member
Sh. B.M. Rao, CGM (F&A), Member
Sh. Akhil Khare, CGM (T), Member Secretary
Sh. R.K. Singh, Advisor (Tech), Member

Copy to:

- (i) RO, Chandigarh
- (ii) PD, PIU Amritsar


Divisional Forest Officer,
Jalandhar Forest Division,
Jalandhar.

Minutes of Meeting

Sub : Construction of 6-lane Elevated structure at Ch. 414+000, 425+880, 432+300 and 438+850 of NH-3 section from Amritsar to Jalandhar for Rectification of Blackspots under Priority II.

A meeting of Internal Appraisal Committee (IAC) was held on 24.05.2021 at 1500 hrs for appraisal of subject project. Members of Committee are as below (**Attendance in enclosed at Annexure-I**):

- | | |
|-----------------------------------|------------|
| 1. Sh. R.K Pandey, Member (P) | : Chairman |
| 2. Sh. Vishal Gupta, CGM (CMD) | : Member |
| 3. Sh. B.M. Rao, CGM (F&A) | : Member |
| 4. Sh. Akhil Khare, GM (T) | : Member |
| 5. Sh. R.K. Singh, Advisor (Tech) | : Member |

2. The following proposal was discussed and considered in the IAC Meeting held on 24.05.2021, as mentioned below:


State	Name of the Work	Estimated Cost
Punjab	Construction of 6-lane Elevated structure at Ch. 414+000, 425+880, 432+300 and 438+850 of NH-3 section from Amritsar to Jalandhar for Rectification of Blackspots under Priority II.	<ul style="list-style-type: none">Civil Construction Cost: Rs. 142.83 Cr.Total Capital Cost : Rs. 168.47 Cr.

- 3.1 A presentation was done before the Committee. It was informed that the project will remove blackspots at existing road and at Grade Junction. This is for safety of road users and save travel time from Amritsar to Jalandhar.

- 3.2 The committee was informed that present proposal involve construction 4 nos. of Grade separated structures of 6-lane at Ch. 414+000, 425+880, 432+300 and 438+850 with provision of service roads.

- 3.3 Existing RoW of project is 55 m available throughout the project and land acquisition is not required and subject project is to be taken up on standalone basis on EPC Mode and is for rectification of blackspots. Above locations are not MoRTH identified blackspot.

- 3.4 It was informed to Committee that out of 69 Km Amritsar-Jalandhar (Bidipur) section, Amritsar to Dhilwan 49 km was under BOT (Toll) mode which was completed under NHDP as Four lane, however due to deficiency of Concessionaire, concession agreement for this 49 km was terminated. Whereas remaining 20 km Dhilwan to Bidipur section already six lane. Under this four lane section, blackspots section was identified where accidents were frequent and affecting the safety of road user. Some Blackspots was already covered under MoRTH list, which are under development as per guidelines for carrying out rectification of MoRTH identified blackspots. Some blackspots was identified and not covered under MoRTH list, were also decided to be taken up for development. Accordingly, under priority -I MoRTH identified blackspots was taken up. In


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priority-II, this work are proposed at four locations and balance will be rectified under priority-III.

3.5 Further Wildlife Clearance, Environmental Clearance and Forest Clearance are not required.

3.6 As per the traffic studies carried out by DPR Consultant, expected annual average daily traffic is minimum 35982 PCU (FY 2020-21) in National Highway section.

4. The proposed features of the project elaborated are as under:-

4.1 Feature of the project and Abstract of Cost is as under:

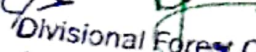
Description	Quantity
Beas Flyover (Ch. 413.910 - Ch. 414.090)	6 X 30 m
Khichian flyover (Ch. 425.835- Ch. 425.925)	3 x 30 m
VUP Chouhan (Ch. 432.290- Ch. 432.310)	1x20 m
Jandiala Flyover (Ch. 438.685- Ch. 439.015)	11x30 m
Length including approaches	6.578 km
Type of Pavement	Flexible Pavement
ROW	55 m
Length of Service/Slip Road	13.156 Km (including both side)
Culvert (No.)	02 (Retain & Widening)
Total Civil Cost	Rs. 142.83 Cr.
Total Capital Cost	Rs. 168.47.04 Cr.

5.1 The location of blackspots where flyover/VUP is proposed was apprised to Committee which is as under:

Location name	Chainage in km
Beas Flyover- 6 X 30 m	413.910 - 414.090
Khichian Flyover- 3 x 30 m	425.835- 425.925
VUP Chouhan - 1x20 m	432.290- 432.310
Jandiala Flyover-11x30 m	438.685- 439.015

5.2 During the meeting, Member (P) asked about the scheme under which project is considered. It was informed that project are related to removal of blackspot and pertains to safety of road users. As project is important from road safety aspects, hence considered for appraisal, However, it was advised that before approval of project, scheme under which project is to be carried out, may be finalised. The Member (P) has suggested the project may be taken up in residual NHDP. Accordingly, the same is proposed to be included in Residual NHDP.

5.3 Further, Member (P) asked that VUP at Chouhan is provided with 1 x 20 m, whereas now, as per guidelines 3 spans VUP at crossing is to be provided.


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Committee was informed that the VUP is required for cross movement of traffic only, therefore, one span was sufficient at this location.

5.4 A Jandiala flyover of 330 m (11 x 30 m) is proposed. Economical aspects, for uniform span of 30 m needs to be checked. DPR Consultant has informed that 30m span has been taken up in the section for all structures. Moreover, the project has been taken on EPC mode, the contractor will execute the work as per their own design.

5.6 Further, reason for taking carriageway on the flyover as 10.50 m without paved shoulder was sought. It was informed that carriageway is considered without paved shoulder width to accommodate all facilities within the existing RoW available i.e. 55 m (without any further land acquisition). Moreover, considering provision of at grade road and small length of flyover, there is not much requirement of paved shoulder at flyover at above location. Further, proposed section is in conformity with sections already adopted and approved at preceding sections which are under development. The above deviation from manual is incorporated in schedule-D.


5.7 CGM (F) has asked about the centages considered for the project. It was informed that centages are considered as per MoRTH circular related to centages. Further, as per discussion, centages for maintenances charges is updated as per clause of 14.1 (i) (a) of DCA related to flexible pavement including structures for 5 years maintenance period.

5.8 Further, CGM (F) inquired about tolling for this work. It was informed that after completion of work, influence toll length of this works will be added in existing toll plaza which are already under operation tolling.

5.9 Advisor (Tech) had submitted some observations related to the project. Point-wise reply of the observations is submitted at **Annexure-II**. Advisor (Tech) suggested that suitable antiglare measures may be proposed as per clause 2.5.6 of IRC:SP-87-2019, so that total height of median crash barrier and anti-glare measure is 1.5 m. After discussion, suggestion was accepted and schedule is amended accordingly. Further suggested, at hazardous locations in the section if any, the high containment crash barrier may be provided.

6.1 Accordingly the cost for project workout is as under:

S.No	Location name	Chainage in km	Amount (in Rs.)
i	Beas Flyover (6 X 30 m)	413.910 - 414.090	28,89,97,841
ii	Khichian Flyover (3 x 30 m)	425.835- 425.925	23,41,49,135
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Jalandhar Forest Division,
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2	Estimated Civil Construction Cost including Utility shifting cost	148,58,78,738
a)	GST on Civil Cost	As applicable
b)	Contingencies @ 2.8% of Civil Cost	3,96,23,433
c)	Escalation Charges @ 5% per annum for 1.5 years of Civil Cost	10,61,34,196
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i	Cost of land acquisition	-
ii	Cost of Structure Valuation	-
iii	Cost of Diversion of Forest Area	-
4	Total Other Costs	-
5	Total Capital Cost	166,70,14,432

6.2 Total civil construction cost of Rs. 141.51 Cr was compared with the normative cost and found within the limit of normative cost.

7. After detailed deliberations, the Committee appraised the proposal with the following details:

S.N.	Name of the Work	Estimated Cost
1.	Construction of 6-lane Elevated structure at Ch. 414+000, 425+880, 432+300 and 438+850 of NH-3 section from Amritsar to Jalandhar for Rectification of Blackspots under Priority II.	<ul style="list-style-type: none"> Civil Construction Cost: Rs. 141.51 Cr. Civil Construction Cost including utility shifting cost: Rs. 148.58 Cr. Total Capital Cost : Rs. 166.70 Cr.



8. The meeting ended with vote of thanks to the Chair.


Divisional Forest Officer,
Jalandhar Forest Division,
Jalandhar.

Annexure-I

List of participants in the PATSC meeting:

- 1 Sh. R.K Pandey- Member (P) -In chair
- 2 Sh. B.M. Rao, CGM (F&A)
- 3 Sh. Vishal Gupta, CGM (CMD)
- 4 Sh. R.K. Singh, Advisor (Tech)
- 5 Sh. Akhil Khare, GM (T)-PB
- 6 Sh. A.J. Azmi, DGM (T)-PB
- 7 Sh. Sandeep Lohmaroria, Dy. Manager (T)-PB
- 8 DPR Consultant M/s Feedback Infra Pvt. Ltd. and its team

 
Divisional Forest Officer,
Jalandhar Forest Division,
Jalandhar. 