

National Highways Authority of India

SANCTION LETTER

Ref. No. NHAI / NO008770101DU / 1

Dated : 14/06/2019

1. Name of the Project : 4 laning of Paonta Saheb-Ballupur (Dehradun) section of NH-72 (Km. 104.00 to km. 149.00) in Uttarakhand.
2. Unique Project Code Issued Earlier :
3. Sl. No. of the Sanction Letter (for this project) : 1
4. Project Category : DPR
5. Details of the Project as per OM dated 30th Nov, 2018 issued by MoRT&H
- a. Programme Name : NH(O)
 - b. Component Name : Other Economic Corridor
 - c. Name of the Corridor : "Paonta Saheb - Ballupur Chowk (Dehradun) -
 - d. Stretch Name : Paonta Saheb-Ballupur Chowk (Dehradun)
 - e. Sl. No. of the Project : 537
 - f. Priority : LOW
6. Length of the Project : Lenth Total :45.00 Km.
7. Name of the RO : RO-DEHRADUN
8. Name of the PIU : DEHRADUN
9. Mode of Execution : DPR
10. Total amount of sanction sought Presently :
- (i) Sanction sought previously : - Cr
 - (ii) Expenditure already incurred : - Cr
 - (iii) Total Capital Cost sanctioned by the Competent Authority : 2.02Cr

11. Head wise Cost Details as given below

Rs.(in Crore)

S.No	Head of Expenditure	Approved Cost	Approving Authority	Date of Approval
A Awarded Project Cost				
(i)	EPC Cost (For EPC/ Item Rate Project)			
(ii)	Bid Project Cost (For HAM)			
(iii)	Grant (VGF) Payment (For BOT Projects)			
(iv)	Semi-Annuity Payment (BOT-Annuity Projects)			
(v)	IE/Supervision Consultants Payment			
B Pre-Award Cost				
(i)	Detailed Engineering Exp. (DPR)	2.02	Chairman	28/02/2019
(ii)	Land Acquisition			
(iii)	Utility Shifting			
(iv)	Other Pre-Construction Exp.			
C Post-Award Cost				
(i)	Change of Scope (CoS)			
(ii)	O&M Payment			
(iii)	Bonus			
(iv)	Arbitration/ Court Award			
TOTAL		2.02		

Project Code Assigned by Finance Division :

NO008770101DU

This is System Generated Sanction Letter
does not require signature



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport and Highways)

जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली-110075

G-5 & 6, Sector-10, Dwarka, New Delhi-110075

No. NHAI/Tech/UKD/Reviewmeeting/2020-21-Part(1)

दूरभाष / Phone : 91-11-25074100/25074200

फैक्स / Fax : 91-11-25093507 / 25093514

Through E-mail

Dated: 02.09.2020

MINUTES OF MEETING

Sub: Meeting held under the Chairmanship of Member (P) on 28.08.2020 at 3.00 pm for review the alignments of ongoing DPRs in the State of Uttarakhand - Minutes of Meeting -reg.

A meeting has been held on 28.08.2020 at 3.00 PM under Chairmanship of Member (P) at NHAI, HQ in the subject matter. The Minutes of said meeting is enclosed herewith for kind information and immediate further necessary action/ compliance please.

(V. S. Meena)
Manager (T)-UKD

To

- Sh. C.K. Sinha, RO- Uttarakhand;
- Sh. Rohit Ranjan, GM/Highway Engineer, M/s Yongma Engineering;
- Sh. Shri Avneesh Bajaj, Director, M/s Highway Engineering;
- Sh. Sanjay Shukla, ED, M/s SA Infra

Copy to:

- PPS to Member (P); &
- CGM (T)-UKD.

Copy also to:

- GM(T), Haryana Div., HQ
- GM(T), Himachal Div., HQ
- PD, PIU, Dehradun;
- PD, PIU, Roorkee; &
- PD, PIU, Rudrapur.

W.r.t. DPR for Jagadhari - Paonta Sahib section

Attached

परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
(सड़क परिवहन राजमार्ग मंत्रालय, भारत सरकार)
Ministry of Road Transport & Highways
पी०आई०यू०-वसन्त विहार, देहरादून



Minutes of meeting held under the Chairmanship of Member (P) on 28.08.2020 at 3.00 pm for review the alignments of ongoing DPRs in the State of Uttarakhand.

Member (P) welcomed all participants. The list of participants is enclosed at Annex-I.

Member (P) reviewed the alignments of ongoing DPRs and the discussion/direction/decisions taken during the meeting are given below:

1). Paonta Sahib - Ballupur (Dehradun) & Jagadhri - Paonta Sahib:

- i) During the meeting, it was decided that start point of Paonta Sahib - Ballupur (Dehradun) section is to be shifted backwards (near km 97 of NH 72) till the approach of bridge (excluding the bridge). Bridge portion to lie in the scope of DPR of Yamunanagar to Paonta Sahib being prepared by RITES. Approved Alignment option 4 has also been seen by Member (P).
- ii) Member (P) suggested consultant to explore options to provide connectivity with Delhi - Dehradun Expressway so that Haridwar bound traffic bypasses the Dehradun City, in addition to the proposed end point of project near Ballupur Chowk in Dehradun.
- iii) M/s RITES, Consultant for Jagadhri - Ponta Sahib Road has intimated that alignment from Jagadhri to Start of Kalesar Wildlife Sanctuary Road has already approved by NHAI. The consultant presented the alignment options for Start of Kalesar Wildlife Sanctuary - Ponta Sahib Road section. The merging of end point of the road section and the start of DPR for Dehradun - Ponta Sahib Road section was decided as approach of Bridge near km 97 of NH 72 and the bridge portion would be in the scope of M/s RITES.
- iv) Member (P) suggested that Himachal Division in consultation with Haryana Division will look after the project stretch from for Start of Kalesar Wildlife Sanctuary - Ponta Sahib Road section as the most of the stretch falls in the state of Himachal Pradesh.

2). Haridwar Ring Road:

- i) Alignment of Haridwar Ring Road from Bhadrabad to merging point with NH 58 near Bhim Gauda/ Har Ki Pauri (Pkg-I) (length 15.3Km) has also been reviewed by Member (P) in subsequent meeting held on 28.08.2020 and it is observed that there is no alternate option available to avoid the proposed bridge of 3.4 m at River Ganga in Haridwar and hence this may be treated as final. However, alignment of Pkg-II & III needs more deliberations.
- ii) Member (P) instructed to DPR consultant to submit the Bridge scheme with basic hydrology for Bridge over Ganga under Pkg-I, at the earliest

3). Access road to Indo-Nepal Border (NH-109D):

- i) Consultant M/s SA Infra presented 3 alignment option for the proposed road (Annex-A). Consultant also intimated that most of the proposed alignment passes through reserve forest. In this regard, they have met with concerned



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National Highways Authority of India
(सड़क परिवहन राजमार्ग मंत्रालय, भारत सरकार)
Ministry of Road Transport & Highways
प्रीति नगर, वसन्त विहार, नया दिल्ली

Attested

Minutes of meeting held under the Chairmanship of Member (P) on 28.08.2020 at 3.00 pm for review the alignments of ongoing DPRs in the State of Uttarakhand.

DFO and he recommended option-3 being least impact to the forest. Consultant also recommended option 3 being the best suitable alignment. The same was agreed by Member (P).

- ii) Consultant also requested to intimate end lane configuration as that further activities can be taken up accordingly. In this regard, Member (P) directed that to send the proposal of Alignment & lane configuration for approval to Ministry.

The meeting ends with vote of thanks to the Chair.



[Signature]

Attested

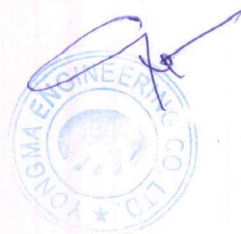
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भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
(सड़क परिवहन राजमार्ग मंत्रालय, भारत सरकार)
Ministry of Road Transport & Highways
प्लॉट नं० १००-वसन्त विहार, देहली-११००५५

Minutes of meeting held under the Chairmanship of Member (P) on 28.08.2020 at 3.00 pm for review the alignments of ongoing DPRs in the State of Uttarakhand.

Annex-I

List of Participants

S. No.	Name	Designation	Organisation
1.	Sh. Manoj Kumar, Member (P), NHAI - In Chair		
2.	Sh. Amarendra Kumar,	CGM (T), HQ	NHAI
3.	Sh. V. S. Meena,	Mgr (T)-UKD, HQ	NHAI
4.	Sh. C. K. Sinha (Over Telephone),	RO-Uttarakhand	NHAI
5.	Sh. Amit Bisht	Sr. DGM	M/s RITES
6.	Sh. Pankaj Gupta	DGM	M/s RITES
7.	Sh. R.S. Sharma,	Consultant	M/s Yongma Engineering
8.	Sh. Rohit Ranjan	GM (Tech.)/ Highway Engineer	M/s Yongma Engineering
9.	Sh. Avneesh Bajaj	Director	M/s Highway Engineering
10.	Sh. Rohit Gurjar	Highway Design Engineer	M/s Highway Engineering
11.	Sh. Sanjay Shukla	Executive Director	M/s SA Infra
12.	Sh. Bhaskar Mishra	Deputy Manager	M/s SA Infra



परियोजना निदेशक/Project Director
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
 National Highways Authority of India
 (सड़क परिवहन राजमार्ग मंत्रालय, भारत सरकार)
 Ministry of Road Transport & Highways
 पी०आर०टी०एच० बसन्त विहार, ईहरादुन

Attested



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)
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G-5 & 6, Sector-10, Dwarka, New Delhi-110075

13011/NHAI/Tech/UKD/Paonta/DPR/2017/131402

दूरभाष / Phone : 91-11-25074100/25074200

फैक्स / Fax : 91-11-25093507 / 25093514

28/02/2019

To,

M/s. Yongma E\$ngineering Co. Ltd

In association with M/s Cho Kim Engineering Pvt Ltd.

301-302, Time Centre, Sector 54,

Gurugram -122003, Haryana

Email: kimdaebong@ymeng.in; anilverma@ymend.in

Kind Attention: Sh. Anil Verma, Authorised Representative.

Sub: Consultancy Services for preparation of Detailed Project Report (DPR) for rehabilitation and up-gradation to 2 lane/4 Lane with paved shoulder configuration and strengthening of NH 72 (new NH 7) km 104.00 (Paonta Sahib) to km 149.00 (Ballupur Chowk) in the State of Uttarakhand - Letter of Acceptance (LOA) reg.

Sir,

Please refer to your Bid Proposal submitted on 05/09/2019 for above Consultancy Services and your subsequent letter No. YM (EN) 20190102004 dated 1/2/2019. In this connection it is to inform you that the Competent Authority has accepted your Bid Proposal at quoted amount Rs. 2,01,98,400/- (net of tax) for above assignment.

2. You are requested to submit the Performance Security for Rs. 20,19,840/- (10% of accepted bid amount) in accordance with Clause 6 of the RFP [Letter of Invitation (LOI)] within 15 days of this letter of Acceptance and sign the Contract Agreement as per Clause 9 of RFP (Letter of Invitation). Failing which action will be taken as per Clause 1.10.4 of the RFP (LOI).

3. In the meanwhile. you are also requested to extend the validity of your bid proposal for further period of 1 month and validity of Bid Security Bank Guarantee may please be get extended suitably for a period till submission of Performance Security.

Please acknowledge receipt.

Yours faithfully,

(M P S Rana)

General Manager (T) UKD

Copy to: RO, NHAI, Dehradun/PD, PIU Dehradun.



Attested

परियोजना निदेशक / Project Director

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

(सड़क परिवहन राजमार्ग मंत्रालय, भारत सरकार)

Ministry of Road Transport & Highways

पी०आई०यू०-वसन्त विहार, देहरादून



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)
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G-5 & 6, Sector-10, Dwarka, New Delhi-110075

Checklist No. 3000

दूरभाष / Phone : 91-11-25074100/25074200
फैक्स / Fax : 91-11-25093507 / 25093514

No. 11012/NHA/Tech/UKD/HAR RING Road/2019

Dated: 04.08.2020

MINUTES OF MEETING

Sub: Meeting held under Chairmanship of Chairman, NHA on 14.07.2020 at 5.00 PM through VC for review of progress of FS/DPRs for Paonta Sahib - Ballupur (Dehradun) Section of NH 72 and Haridwar Ring Road in the State of Uttarakhand Minutes of Meeting - reg.

The Chairman, NHA has reviewed progress of FS/DPRs of two projects viz. (i) Paonta Sahib - Ballupur (Dehradun) Section of NH 72 & (ii) Haridwar Ring Road in the State of Uttarakhand through VC on 14.07.2020 at 5.00PM. The Minutes of said meeting are enclosed herewith for kind information and immediate further necessary action/ compliance please.

Encl: As above.

(V.S. Meena)
Manager (T)-UKD

To

- i) RO- Uttarakhand;
- ii) PD- PIU Dehradun;
- iii) PD-PIU, Roorkee;
- iv) Sh. Aveneesh Bajaj, Director, Highway Engineering Consultant, Bhopal; &
- v) Sh. Rohit Ranjan, HDE, M/s Yongma Engineering;

Copy to:

- i) PPS to Chairman;
- ii) PPS to Member (P)-MK; &
- iii) PS to CGM (T)-AK.



Attested

परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
(सड़क परिवहन राजमार्ग मंत्रालय, भारत सरकार)
Ministry of Road Transport & Highways
पी०आई०यू०-वसन्त विहार, देहरादून

Minutes of Meeting of Chairman held on 14.07.2020 at 5 pm through VC for review of FS/ DPR of Paonta Sahib - Ballupur (Dehradun) & Haridwar Ring Road in Uttarakhand

Chairman reviewed progress of DPRs of two projects. The list of participants is enclosed at Annex-A. The decisions taken during the meeting are given below:

1) DPR for of Paonta Sahib - Ballupur (Dehradun) Section of NH 72:

- i) Option-4R (alignment enclosed at Annex-I) alongwith 03 No. of Spurs to connect existing NH-72 has to be considered as the same is also recommended by DPR Consultant based on merits & demerits of all the options (enclosed at Annex-II), to proceed further for subsequent DPR study by the DPR consultant by adopting the design of proposed alignment as per latest IRC codal provisions.
- ii) As regards at-grade cross section proposed for the stretch in front of IMA, the same shall be slightly modified with provision of drain of adequate size as per drainage plan on either side at extreme edge of RoW along with 2.0 m wide paver blocks between end of carriageway & drain and 8.0 m Black Top of main carriageway with provision of median along with view cutter/ wall as suggested by IMA.
- iii) Timelines for activities to be carried out further to be submitted by RO/PD within 1-2 days.

2) DPR for Haridwar Ring Road:

- i) It was decided to proceed further with Option -1 (alignment enclosed at Annex-III) of Ring Road alignment as the same was recommended by DPR Consultant.
- ii) Design Speed should be maintained as per IRC codes and unnecessary kinks/curves should be avoided and alignment should be made straight as far as possible.
- iii) The merging point of Phase-I with existing NH-58 (near new supply canal bridge) to be designed in such a manner that there shall be an extended elevated structure over & along NH-58 from the merging point till Dudhadhari Chowk keeping in view future use of existing carriageway of NH-58 as service road with a provision to merge the proposed elevated structure with elevated structures being constructed under ongoing works of NH-58.
- iv) Timelines for activities to be carried out for Phase-I to be submitted by RO/PD within 1-2 days.

Meeting (V.C.) ended with a vote of thanks to the Chair.

Attested


परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
(सड़क परिवहन राजमार्ग मंत्रालय, भारत सरकार)
Ministry of Road Transport & Highways
प्लॉट आर्इ०८००-वसन्त विहार, देहरादून



List of Participants

- (i) Sh. Navin Kumar, CGM (Tech), NHAI HQ
- (ii) Sh. V. S. Meena, Mgr (T), NHAI HQ
- (iii) Sh. C. K. Sinha, GM (T), Regional Officer, Uttarakhand
- (iv) Sh. Vibhav Mittal, Project Director, PIU-Dehradun
- (v) Sh. P.S Gusain, Project Director, PIU-Roorkee
- (vi) Sh. Anshul Sharma, Manager (T), RO-Uttarakhand
- (vii) Sh. Prashant Meena, Dy. Manager (T), RO-Uttarakhand
- (viii) Sh. Shailendra Singh Dangi, YP(T), PIU Dehradun
- (ix) Sh. RS Sharma, M/s Yongma Engineering
- (x) Sh. Rohit Ranjan, Highway Design Engineer, M/s Yongma Engineering
- (xi) Sh Avneesh Bajaj, Director (Highway Engineering Consultant, Bhopal)
- (xii) Sh D. Mohanty, Senior Highway Design Engineer.
- (xiii) Sh Rohit Gurjar, Highway Design Engineer.

Attested



परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
(सड़क परिवहन राजमार्ग मंत्रालय, भारत सरकार)
Ministry of Road Transport & Highways
प्लॉट आइ०५०-बसन्त विहार, देहरादून



Fig. 4.18 Summary all alignment Options

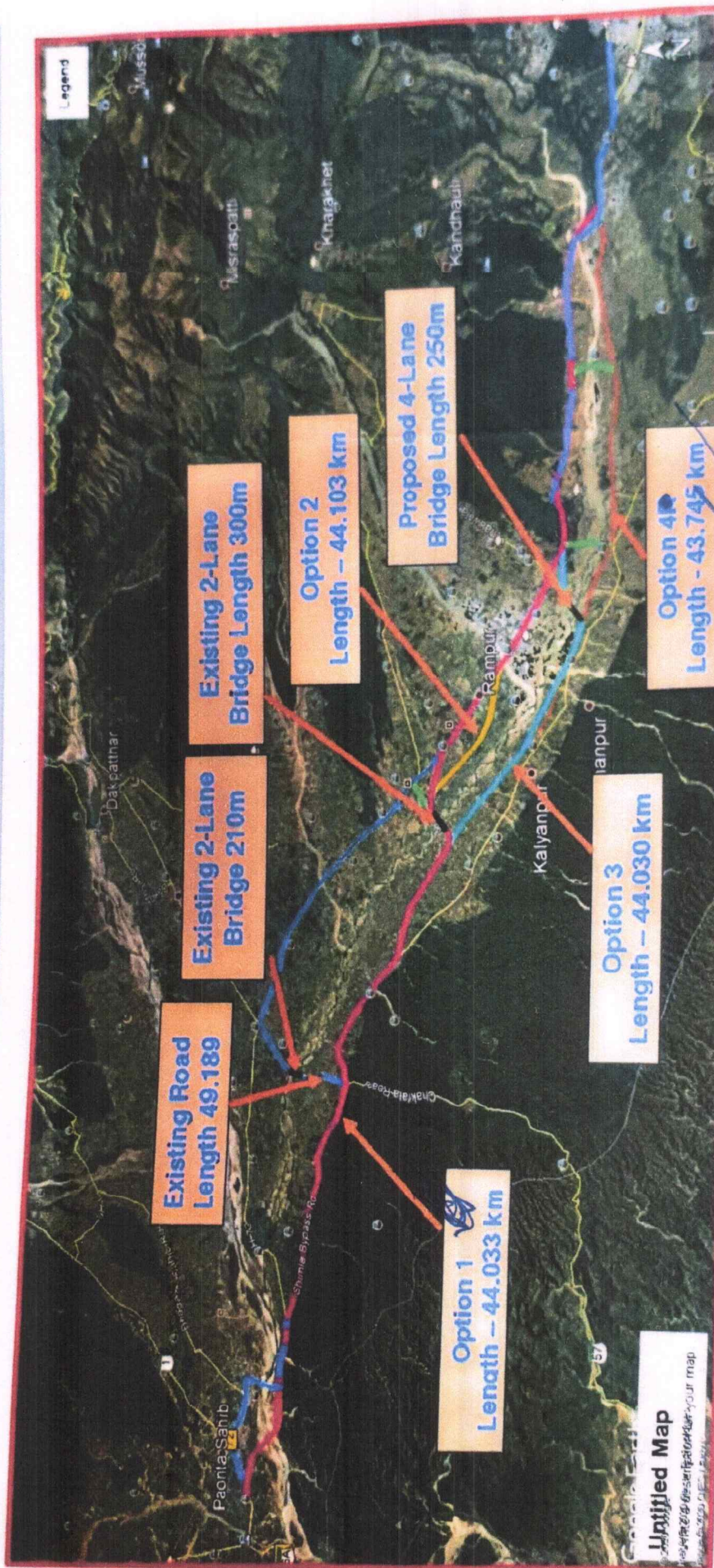


Fig. 4.18 Summary all alignment Options



Attested

परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
(सड़क परिवहन राजमार्ग विभाग, भारत सरकार)
Ministry of Road Transport & Highway
पि०आइ०यू०-वसन्त विहार, देहली



ALIGNMENT OPTION DETAILS

S.NO.	DESCRIPTION	EXISTING ALIGNMENT	ALIGNMENT OPTION 1	ALIGNMENT OPTION 2	ALIGNMENT OPTION 3	ALIGNMENT OPTION 4
		(NH-72)	Herbertpur & Sahaspur bypass	Herbertpur, Sahaspur and Rampur bypass	On the southern bank of Assan river fill Jhajhra forest	Along the southern bank of Assan river
1	Total Length	49.189 km	44.033 km	44.103 km	44.040 km	43.745 km
2	Greenfield Length	0 km	12.033 km	15.103 km	18.504 km	24.745 km
3	Terrain	Plain & Rolling	Plain & Rolling	Plain & Rolling	Plain & Rolling	Plain & Rolling
4	Speed, Km/h	40-60	80 - 100	80 - 100	80 - 100	80 - 100
5	Geometrics	12 curves with radius less than 250m.	All curves with radius more than 400m	All curves with radius more than 400m	All curves with radius more than 400m	All curves with radius more than 400m
6	Features	Passes through Forest & Built-up area	Passes through Forest, Built-up, agriculture land	Passes through Forest, Built-up, agriculture land	Passes through forest, Built-up, agriculture land	Passes through forest, Built-up, agriculture land
7	ROW	23-30 m	30m / 45m	30m / 45 m	30m / 45 m	30m / 45 m
8	Number of Structures	8 MJB 9 MNB	7 MJB 11 MNB 1 VUP	7 MJB 11 MNB 1 VUP	8 MJB 16 MNB 1 VUP	5 MJB 16 MNB 1 VUP
9	Houses affected	800 Nos.	700 Nos.	625 Nos.	550 Nos.	350 Nos.
10	Tree Cutting (non forest)	1250	1100	1100	900	650

Attached

परियोजना निदेशक, Project Director
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
 National Highways Authority of India
 (सड़क परिवहन राजमार्ग विभाग, भारत सरकार)
 Ministry of Road Transport & Highways
 बंगलूरु-बनारस लिंक, बिहार



Check list No. 3dV)



ALIGNMENT OPTION DETAILS

S.NO.	DESCRIPTION	EXISTING ALIGNMENT	ALIGNMENT OPTION 1	ALIGNMENT OPTION 2	ALIGNMENT OPTION 3	ALIGNMENT OPTION 4
11	Area Required for LA (Hectares)	25 Hect.	45 Hect.	55 Hect.	68 Hectare	97 hect.
12	Civil cost (approx.)	713 crore	678 crore	685 crore	696 crore	670 crore
	LA Cost	280 crore	292 crore	316 crore	350 crore	432 crore
	Pre const. Cost	135 crore	130 crore	125 crore	105 crore	75 crore
Merits and Demerits	Project Cost (with centage)	1257 crore	1222 crore	1250 crore	1276 crore	1297 crore
	Social	Social Impact will be High	Social Impact will be Medium	social Impact will be medium	social Impact will be low.	social Impact will be least.
	Economical	-	Least project cost	-	-	Maximum project cost
	Technical and Road Safety	Poor Geometry, Six Black spot, avg. speed not more than 50 Highest vulnerable users	Good Geometry, speed of 100Km/hr. can be easily achieved. High vulnerable users	Good Geometry, speed of 100Km/hr. can be easily achieved. High vulnerable users	Good Geometry, speed of 100Km/hr. can be easily achieved. Low vulnerable users	Good Geometry, speed of 100Km/hr. can be achieved. Least vulnerable users
Recommendation	Environmental Impact	12 hectare forest diversion, 3 river crossing	12 hectare forest diversion, 3 river crossing	12 hectare forest diversion, 3 river crossing	12 hectare forest diversion, 3 river crossing	10 hectare forest diversion, 1 river crossing
		No	No	No	No	Yes

Attested

परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
(सड़क परिवहन राजमार्ग मंत्रालय, भारत सरकार)
Ministry of Road Transport & Highways
पि०आर०टि०एच०-बसन्त विहार, देहरादून

Check list No - 30(v)

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