

I/4009768/2021

No. CE-RO/LKO/NH(O)/14/NH-330D/2021-22

भारत सरकार

सड़क परिवहन एवं राजमार्ग मंत्रालय

नं. 1, संसद मार्ग, परिवहन भवन, नई दिल्ली-110001

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दिनांक : 15.11.2021

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सेवा में

प्रमुख सचिव,

लोक निर्माण विभाग,

जनपद सचिवालय बिल्डिंग,

लखनऊ, उत्तर प्रदेश

विषय: Widening and strengthening from km 0.000 to km 38.853 of NH-330D (Sitapur to Kurain section) to two lane with paved shoulder configuration under EPC mode in the State of Uttar Pradesh.

संदर्भ: Letter no. 2746NH/163N/2021 dated 24.09.2021 from CE (NH), UP PWD, Lucknow, UP and letter no716/29-C dated 01.10.2021 from EE (NH) PWD Kanpur.

(Job No CE-RO/LKO/NH(O)/14/NH-330D/2021-22 - 606)

महोदय,

मुझे तकनीकी नोट दिनांक 12.11.2021 (प्रति संलग्न) में दी गई शर्तों के अध्यक्षीन, निम्न ब्यौरे के अनुसार विषक शीर्षक में उल्लिखित निर्माण कार्य के लिए प्राक्कलन हेतु राष्ट्रपति की प्रशासनिक, तकनीकी अनुमोदन एवं वित्तीय संस्वीकृति सूचित करने का निर्देश हुआ है:-

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(i) राज्य द्वारा भेजे गए उक्त कार्य के लिए प्राक्कलन में उल्लिखित राशि	(रूपये करोड़ में) रु. 492.80
(ii) तकनीकी अनुमोदन की राशि (सभी प्रभार सहित)	रु. 505.73
(iii) वित्तीय एवं प्रशासनिक स्वीकृति की राशि	रु. 505.73
(रूपये पांच सौ पांच करोड़ तिहत्तर लाख केवल)	

2. यह स्वीकृति निम्नलिखित शर्तों पर आधारित हैं:

- (i) यह कार्य सक्षम अधिकारी द्वारा अनुमोदित Model EPC Contract document के तहत पूर्ण किया जाएगा।
- (ii) इस मंत्रालय के ज्ञापन संख्या आर डब्ल्यू/एनएच-33044/10/2002-एस एण्ड आर(आर) दिनांक 26 मई, 2003 एवं 31 दिसम्बर, 2003 द्वारा प्रदर्शन पट प्रदर्शित करने के संबंध में जो अनुदेश जारी किए गए हैं, उनका सख्ती से अनुपालन किया जाए।
- (iii) मंत्रालय के दिनांक 5/10.7/2001 के परिपत्र संख्या एन 0 एच 0-15015/29/2001-पी 0 एल 0 के अनुसार यदि स्वीकृति की तारीख से 6 माह के अन्दर कार्य नहीं सौंपा जाता है तो कार्य अस्वीकृत हो सकता है जब तक कि समय सीमा में वृद्धि के लिए मंत्रालय का पूर्वानुमोदन प्राप्त न किया जाए।
- (iv) कार्य के लिए निविदाएं इस मंत्रालय के परिपत्र पत्र संख्या आर. डब्ल्यू./एनएच/33044/2/2010.एस.एंड आर.(आर) दिनांक 17/06/2011 और पत्र संख्या आर. डब्ल्यू./एन.एच/33044/2/2010/एस. एंड आर.(आर) दिनांक 17/11/2011 के तहत जारी किए गए अनुदेशों के अनुसार ई.निविदा प्रणाली के माध्यम से आमंत्रित की जानी चाहिए। इस आशय का विज्ञापन, इस मंत्रालय के परिपत्र पत्र संख्या आर.डब्ल्यू./एन. एच.34066/14/2018-एस.एंड आर.(पी.&बी.) दिनांक 25.06.2018 द्वारा जारी किए गए दिशा निर्देशों के अनुसार दिया जाएगा। चूंकि, वर्तमान कार्य की संस्वीकृति लागत 5.00 करोड़ रु. से अधिक है, इसलिए, निविदा मंत्रालय के परिपत्र पत्र संख्या आर. डब्ल्यू./एन.एच./37010/4/2010-ई.पी.पी. (प्रिटिंग) दिनांक 05/03/2019 के आधार पर इ.पी.सी. विपत्र के अनुसार की जाएगी।

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3. यह व्यय मुख्यशीर्ष '5054' सड़कों और पुलों पर पूँजी परिव्यय, 01-राष्ट्रीय राजमार्ग (उप मुख्य शीर्ष), 01.337 सड़क कार्य (लघु शीर्ष) 03-राष्ट्रीय राजमार्ग मूल कार्य 03.01, राष्ट्रीय राजमार्ग मूल कार्य -सामान्य - केन्द्रीय सड़क अवसंरचना निधि से वित्त पोषित 03.01.53 - मुख्य कार्य के नाम डाला जाएगा जिसके लिए चालू वित्त वर्ष 2021-22 के लिए संगत मांग संख्या '85' - सड़क परिवहन एवं राजमार्ग मंत्रालय है।

4. अनुमोदन प्राक्कलन की एक प्रति अलग से मुख्य अभियन्ता (रा0 रा0), उत्तर प्रदेशको भेजी जा रही है।

5. सभी स्वीकृति कार्यों की तरह विहित प्रपत्र में 5 करोड़ से ज्यादा के कार्यों के लिए मासिक प्रगति रिपोर्ट एवं 5 करोड़ से कम कार्यों के लिए तिमाही प्रगति रिपोर्ट इस मंत्रालय को भेजी जाए।

6. निम्नलिखित वस्तुगत और वित्तीय लक्ष्य (Cumulative) निधियों की उपलब्धता के आधार पर पूरा किया जाये।

Year	Cumulative progress				
	Physical	Financial (Rs. in Crores)			Total
		Construction	Pre-construction activities	Maintenance + IMS	
2021-22	5%	22.00	69.62	0	91.62
2022-23	65%	275.00	69.62	0	344.62
2023-24	100%	421.84	69.62	0	491.46
2024-25	100%	421.84	69.62	0.94	492.40
2025-26	100%	421.84	69.62	3.79	495.25
2026-27	100%	421.84	69.62	6.65	498.11
2027-28	100%	421.84	69.62	9.50	500.96
2028-29	100%	421.84	69.62	14.26	505.73

7- यह संस्वीकृति वित्त पक्ष की सहमति से उनके नोट 20 दिनांक 11.10.2021 और तत्पश्चात SFC के अनुमोदन नोट 57 दिनांक 09.11.2021 के द्वारा जारी की जाती है।

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भवदीय



(कमल प्रकाश)

अवर सचिव, भारत सरकार

तकनीकी नोट की एकप्रति के साथ प्रतिलिपि प्रेषित:


1. महालेखाकार, AG(A&E)-I, उत्तर प्रदेश, 20 सरोजनी नायडू मार्ग, इलाहाबाद-211001।
2. प्रधान लेखा परीक्षा निदेशक, आर्थिक एवं सेवा मंत्रालय, एजीसीआर बिल्डिंग, आई पी एस्टेट नई दिल्ली।
3. क्षेत्रीय भुगतान एवं लेखा अधिकारी, सड़क परिवहन एवं राजमार्ग मंत्रालय, हॉल सं. 1, सप्तम तल, केन्द्रीय भवन, सेक्टर-एच, अलीगंज, लखनऊ-226 019.
4. भुगतान एवं लेखा अधिकारी, सड़क परिवहन एवं राजमार्ग मंत्रालय, आई.डी.ए. बिल्डिंग, जामनगरहाऊस, नई दिल्ली।
5. मुख्य अभियन्ता-क्षेत्रीय अधिकारी, सड़क परिवहन एवं राजमार्ग मंत्रालय, बायो-टेक चौक, रिंग रोड, विकास नगर, लखनऊ-226 022.
6. मुख्य अभियन्ता(राष्ट्रीय राजमार्ग), लोक निर्माण विभाग, उत्तर प्रदेश, 96, महात्मा गांधी मार्ग, लखनऊ-226 001.



(कमल प्रकाश)

अवर सचिव, भारत सरकार

मुख्य अभियन्ता (ज़ोन-1)/एस ई(ज़ोन-1)/ई ई(ज़ोन-1)/एस ई (मानिट्रिंग)/मानिट्रिंग प्रकोष्ठ/डब्ल्यू एंड एअनुभाग/वित्त पक्ष (टीएफ-2 अनुभाग)/परियोजना अनुभाग/गार्ड फाईल



Date: 12.11.2021

TECHNICAL NOTE

[Job No. CE-RO/LKO/NH(O)/14/NH-330D/2021-22-606]

- | | | | |
|-------------------------------------|---|---|-----------------------------|
| (i) Name of work | : | Widening and strengthening from km 0.000 to km 38.853 of NH-330D (Sitapur to Kurain section) to two lane with paved shoulder configuration under EPC mode in the State of Uttar Pradesh | |
| (ii) State | : | Uttar Pradesh | |
| (iii) NH No. (New NH No.) | : | NH-330D | |
| (iv) Estimated Cost | : | As proposed by State PWD | As modified in the Ministry |
| | | Rs.492.80 Cr | Rs.505.73 |
| (v) Design Length | : | 38.853 Km | 38.853 Km |
| (vi) Cost per Km. for Design Length | : | Rs.12.68 Cr | Rs.13.02 Cr |
| (vii) Reference | : | Letter no.2746NH/163N/2021 dated 24.09.2021 from CE (NH), UP PWD, Lucknow, UP and letter no716/29-C dated 01.10.2021 from EE (NH) PWD Kanpur. | |

COMMENTS

Scope of work: The scope of the project is as envisaged under:

1 **Scope of the work:** The project engages widening and strengthening from km 0.000 to km 38.853 of NH-330D (Sitapur to Kurain section) to two lane with paved shoulder configuration as per following:

- (i) Widening & strengthening to two lane with paved shoulder in rural area having 7.0 wide carriageway along with 1.5 m paved shoulder and 1.0m Granular shoulder on both sides of the carriageway in total length of 19860 m [conforming to TCS-IA].
- (ii) Widening & strengthening to two lane with paved shoulder in built up area having 7.0 wide carriageway along with 2.5 m paved shoulder and 2.25m paved shoulder (separated by MS guard railing) with footpath cum drain on both sides of the carriageway in total length of 5130m [conforming to TCS-IB].
- (iii) Reconstruction of existing carriageway to two lane with paved shoulder in rural area having 7.0 wide carriageway along with 1.5 m paved shoulder and 1.0m Granular shoulder on both sides of the carriageway in total length of 6438m [conforming to TCS-IIA].
- (iv) Construction of road in realignment to two lane with paved shoulder having 7.0 wide carriageway along with 1.5 m paved shoulder and 1.0m Granular shoulder on both sides of the carriageway in total length of 3492m [conforming to TCS-IIB].
- (v) The existing major bridge located at km 33.156 is to be retained and a new major bridge with span arrangement as 20m + 3x40m + 20m is proposed for construction parallel to existing bridge in realignment.

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- (vi) Reconstruction of 6 nos of minor bridge at km 3.569, km 14.460, km 14.610, km 17.875, km 17.915 and km 22.245 having box cell structure and 18m width. Construction of new minor bridge at km 6.400 (1x30m) in realignment portion.
- (vii) Construction of new ROB at km 5.355 in the realignment portion. Construction of vehicular underpasses has been proposed at km 8.530 & at km 9.050. The construction of 7.5m service road on both sides of vehicular underpasses from km 8.100 to km 9.400.
- (viii) Reconstruction of 44 nos. of culverts and construction of 18 additional Box culverts and additional 51 nos of pipe culverts have been proposed at the junctions on cross roads.
- (ix) Improvement of 2 nos. of major junction and 47 nos. of minor junctions have been proposed.
- (x) Construction of a toll plaza at km 24.945.
- (xi) Construction of 1 truck lay byes and 8 nos of bus bays with bus shelters have been proposed.
- (xii) Provision of Road Incident Management System (IMS) (Rescue Ambulance, Petrol Vehicle, Tow Away Crane) has been taken in the instant estimate as per Ministry's circular dated 09.02.2021.
- (xiii) Construction of drain in length of 5.13km on both side have been proposed in built up area of Misrikh, Sidhauri village and Pratapnagar.

1.2 Miscellaneous provisions: The provisions of various road safety features such as road markings, various traffic sign boards, kilometer stones, road studs, road delineators, MS guard rail in built up area, W beam metal crash barrier etc. have been allowed as recommended by the State PWD. The work of road marking with stipulated paint (thermoplastic) shall be done as per cl. 803 of Ministry's latest specification.

2 Proposed crust thickness and composition: Pavement crust has been designed as per IRC:37-2018 with design traffic of 20 MSA and 10 %CBR of subgrade soil. Accordingly, 40mm Bituminous Concrete (BC), 70 mm Dense Bituminous Macadam (DBM), 250 mm Wet Mix Macadam (WMM), 200mm Granular Sub Base (GSB) has been considered in widening and reconstruction portion throughout the project stretch as per TCS.

2.1 The service road has been designed for 10 MSA traffic and 10% CBR, accordingly, 30 mm Bituminous Concrete (BC), 50 mm Dense Bituminous Macadam (DBM), 250 mm Wet Mix Macadam (WMM), 200mm Granular Sub Base (GSB) has been proposed for service road portion.

2.2. The EPC contractor shall be allowed to use any of the available technology including conventional method for constructing the road. Further, the schedule B shall be designed to allow contractor to use new / alternative material / technology in terms of circular no. RW/NH-33044/18/2020-S&R (P&B) dated 14.12.2020. This shall be incorporated in Schedule 'B' of the Draft Contract Agreement to be issued along with the RFP. The draft RFP document along with schedules shall be checked by CE (NH), UP PWD, viz.-a-viz. provisions specified in this technical note before inviting tender.

2.2 The provision in the schedule B shall be kept for using precast drains as they will be economical as well as time saving.

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3. Shifting of Utilities, LA and Forest Clearance:

3.1 The utility shifting cost has been submitted by the State PWD for Rs. 12.46cr based on the estimate obtained from utility owing agency. Accordingly, civil cost of utility shifting as submitted by the concerned agencies having cost of Rs.10.57 cr excluding GST has been taken under civil cost of the work and supervision charges amounting to Rs. 0.62 cr including GST has been considered separately in the estimate as per Ministry's guidelines dated 11.02.2021.

3.2 Provision of Rs 4.0 cr for Forest Clearance has been taken in the estimate as proposed by State PWD. As per report furnished by the Consultant, the existing ROW varies from 20-30m along the road and the provision of LA of Rs. 65 cr has been taken in the estimate.

4. **Geometric Design and Proposed carriageway:** Geometric design, general features and typical cross section of the Project Highway shall be in accordance with the Manual (IRC: SP 73-2018).

5. Cost estimates:

5.1 The estimate is based on the Ministry's latest Standard Data Book and State Schedule of Rates. The leads for the collection of various materials as adopted in the estimate have been allowed for estimate purpose only. However, while calling tenders, the source may not be indicated. The contractor shall be responsible to procure the material conforming to the specifications of the work. No provision of extra lead during execution of the work shall be allowed.

5.2 The details of the cost estimate are as given below: -

Sr. No.	Item Description	Amount (Rs. in Cr)
i(a)	Civil Cost of the Work	341.33
i(b)	Cost of Utility Shifting	10.57
ii	Total Cost of civil work i/c utility shifting	351.90
iii	GST @ 12% on (ii)	42.23
iv	Total Civil Cost i/c GST (i+ii)	394.13
v	Contingency charges @1% on i(a)	3.41
vi	Agency Charges @ 3% on i(a)	10.24
vii	Supervision Charges @ 3% on i(a)	10.24
viii	Price Escalation @ 2.5% on i(a)	8.53
ix	Maintenance Charge@ 2.5% on i(a) i/c GST	9.56
x	Supervision Charges for utility Shifting	0.62
xi	Forest Clearance	4.00
xii	Land Acquisition and R&R Cost	65.00
xiii	Total Project Cost	505.73

5.3 Following cumulative physical targets and financial phasing of expenditure shall be adhered to subject to overall availability of funds:

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Year	Cumulative progress				
	Physical	Financial (Rs. in Crores)			Total
		Construction	Pre-construction activities	Maintenance + IMS	
2021-22	5%	22.00	69.62	0	91.62
2022-23	65%	275.00	69.62	0	344.62
2023-24	100%	421.84	69.62	0	491.46
2024-25	100%	421.84	69.62	0.94	492.40
2025-26	100%	421.84	69.62	3.79	495.25
2026-27	100%	421.84	69.62	6.65	498.11
2027-28	100%	421.84	69.62	9.50	500.96
2028-29	100%	421.84	69.62	14.26	505.73

6. **Design specifications:** All the items of work included in the scope of work will be executed as per Ministry's specifications for Road and Bridge Works (5th Revision, 2013) and those mentioned in the EPC document. Circulars/ Guidelines issued by the Ministry from time to time shall be referred to. Deviation in specifications for any work should be got approved from the Ministry before adopting the same.
7. **Contract Documents:**
- 7.1 RFP is proposed to be invited from fresh bidders in single stage two cover systems by prescribing necessary eligibility (qualifying) criteria of the bidders as per Ministry's standard RFP document issued vide letter no RW/NH-37010/4/2010-EAP (Printing) Vol.-IV dated 05.03.2019 & subsequent amendments as per Ministry's extant guidelines.
- 7.2 The work shall be executed as per provisions in Model Engineering Procurement and Construction (EPC) document for Construction of Two lane National Highway works, communicated by Ministry vide letter No. RW/NH-37010/4/2010-EAP(Printing) Vol.IV dated 05.03.2019 and as per as per Ministry's extant guidelines. The work of utility shifting shall be suitably incorporated in schedule A,B, D and H by the CE (NH) in accordance with Ministry's circular no RW/NH33044/29/2015-S&R (R) pt. dated 11.02.2021 before tendering. Further, the necessary modification in the EPC Contract Document shall be carried out by the State PWD in accordance with Ministry's circular no RW/NH33044/29/2015-S&R (R) pt. dated 11.02.2021.
- 7.3 Construction period for this work shall not be more than 18 months including the rainy period, Defects liability period and maintenance period shall be 5 years for EPC works as stipulated in Ministry's standard EPC document issued vide letter no. RW/NH-37010/4/2010-EAP(Printing) Vol.IV dated 05.03.2019.



- 7.4 Necessary changes may be incorporated by the State PWD in the contract documents (e.g. EPC Schedule C, D and H) with respect to provision for IMS as per Ministry's circular no RW/G-23012/01/2019-W&A(Pt.III) dated 09.02.2021 and in accordance with SOP issued vide Ministry's circular no RW/G-23012/01/2019-W&A(Pt.III) dated 09.02.2021. The model Term of Reference (ToR) for IMS issued by the Ministry's circular no RW/G-23012/01/2019-W&A(Pt.III) dated 22.03.2021 shall also be included in the RFP and Contract Agreement for civil work by the State PWD. The facility for IMS shall be extended to the adjacent stretches of NH - 330D. The same shall be incorporated in EPC schedules.
8. **Traffic management during construction:** The traffic should be managed as per section 112 of Ministry's Specifications for Road and Bridge works, 5th Revision, 2013.
9. **Specifications and Quality Control:**
- 9.1 All the items of work included in the scope of work will be executed as per Ministry's Specifications for Road and Bridge Works (5th Revision, 2013) and Circulars/ Guidelines issued by the Ministry from time to time. Deviation in specifications for any work should be got approved from the Ministry before adopting the same.
- 9.2 Adequate tests shall be done by State PWD as per Ministry's specifications and the quality of work done in the past as well as in present/future may be ensured by State PWD. If there are instances of premature failures, necessary action should be taken by State PWD for identifying the reasons for these failures and may fix the responsibilities for such lapses.
- 9.3 The work is to be carried out in accordance with the "Hand Book of Quality Control for construction of Roads & Runways (Second Revision) - IRC: SP: 11-1988", observing strict quality control instructions contained in Ministry's letter No.NHIII/P/1/83 dated 19th April, 1984 and permanent records maintained thereof. Chief Engineer (NH) shall ensure strict quality control during actual execution of work and shall ensure that suitable instructions are issued to all Field Officers in this regard.
- 9.4 Stipulations made in the Manual for Construction and Supervision of Bituminous works shall be strictly followed during execution of work.
- 9.5 The existing surface shall be prepared to the required profile in accordance with Clause 501.8 and 902.3 of Ministry's specification.
- 9.6 In view of providing enhanced safety to road users, the latest specifications for road furniture need to be envisaged in conformity with Ministry's specification and relevant guidelines at the time of tender invitation.
- 9.7 **Chief Engineer (NH) shall ensure that Photography/Videography of the reach shall be prepared before /during / and after execution of the work and submit the same to Ministry and Regional officer, MORT&H, Lucknow for reference and record.**
- 9.8 The work of road items should not continue over the bridges, if any. The longitudinal profile of the immediate approaches should be suitably adjusted to merge with the road level of the bridge as per the guidelines circulated vide Ministry's letter no. RW/NH-33044/10/2000-S&R dated 1st June 2000.
- 9.9 The work of road marking with stipulated paint (thermoplastic) shall be done as per Cl. 803 of Ministry's latest specifications and IRC: 35-2015 and per the requirement of manual.

10. Splitting of work:

Neither the work nor any item of work shall be split into small parts for awarding the work to a number of contractors. In case, any further splitting is essential due to the specific prevailing conditions, it should be done only after the approval of this Ministry. In this regard, instructions issued in this Ministry's letter No.NHIII/P/25/84 dated 4th August, 1984 may be referred.

11. Invitation of tenders:

- 11.1 E-Procurement must be adhered to while inviting the tender and Ministry's CPPP portal only shall be used for procurement of Highway contract in accordance with Ministry's guidelines issued vide letter RW/NH-35014/34/2017-H (Part-II) dated 19.06.2018.
- 11.2 The RFP document circulated vide Ministry's letter no RW/NH-37010/4/2010-EAP (Printing) Vol.-IV dated 05.03.2019 and subsequent amendments thereof shall be used for invitation of bids.
- 11.3 The tender notice for invitation of tenders shall be done as per modified guidelines circulated to State PWDs vide Ministry's letter No.RW-NH-34066/14/2018-S&R (P&B) dated 25.06.2018. Further, as regards authority for invitation of tender and evaluation of tenders, Ministry's circular no.RW/NH-24035/4/2008-P&M/PIC Vol-II dated 23.02.2018 shall be followed.
- 11.4 It would be ensured that the tenders are to be accepted up to 5% of the sanctioned amount. In this regard, it is clarified that the sanctioned amount for this purpose will be considered as the sanctioned amount of the component of work put to tender. In case, the cost of the work exceeds 5% of the sanctioned cost, revised sanction of the Ministry should be obtained. In this connection, Ministry's letter No.NH-11026/2/99-US(D.I) dated 29th October, 2001 and Ministry's circular no.RW/NH-24035/4/2008-P&M/PIC Vol-II dated 23.02.2018 may be referred.
- 11.5 The Contractor shall provide road signage, bollards, boards, gunny bags, sheets etc. for safety of traffic during construction period, which will be incidental to work.
- 11.6 Defects liability period is five year as per the standard RFP issued vide Ministry's circular no. RW/NH-37010/4/2010-EAP(Printing)Vol.IV dated 05.03.2019
- 11.7 All the relevant Circulars and amendments regarding tender procedures issued from time to time by Ministry shall be followed. While finalizing the tender Central Vigilance Commission (CVC) guidelines circulated vide Circular No. 4/3/07 dated 3rd March, 2007 should be strictly followed.
- 11.8 The work is to be awarded within six months from the date of issue of sanction. In this connection, the Ministry's Circular No.NH-15015/29/2001-PL dated 05.07.2001 is to be referred. In the case of award of works beyond the stipulated period of 6 months and up to 12 months from the date of sanction, the matter shall be dealt as per Ministry's circular No.RW/NH-24035/4/2008-P&M/PIC Vol-II dated 23.02.2018. Further, in case the work is not awarded within stipulated time, it may lead to de-sanction of work unless Ministry's prior approval for extension of time limit is obtained.
- 11.9 The work shall be entrusted to contractors having adequate experience in similar type of works and having adequate machineries and financial resources to execute the work using HMP and sensor paver finisher of adequate capacity and specifications.

- 11.10 State PWD will intimate this Ministry and the CE-RO Lucknow about award of contract/commencement of work immediately as per instructions contained in the Ministry's letter No. RW/NH-11028/1/93-(DO-I) dated 1st December, 1993.
- 11.11 The bids for the work will not be received till hindrances are not cleared.
- 11.12 Availability of 90% of the land may be ensured before award of the work.

12. General observations:

- 12.1 The instructions issued during the EFC Meeting shall be strictly adhered. The Minutes of the Meeting of EFC is circulated vide Ministry's letter No. CE-RO/LKO/NH(O)/14/NH-330D/2021-22/1358 dated 02.11.2021.
- 12.2 No work beyond the scope of the sanctioned estimate leading either to increase in the scope of work or change in specifications should be undertaken without obtaining prior written approval of the Ministry. In this connection, Ministry's letter No. RW/NH/III/Coord/32/84 dated 19th May, 1984 and letter No. RW/NH-33044/10/2002/S&R (R) dated 9th September, 2002 may be referred.
- 12.3 Collection of material on the roadside should be so planned that it should commensurate with the physical progress of work and the collected material should not cause any hindrance to the traffic. It must be ensured that the contractor arranges for separate land for storage of road construction material and machinery and these shall not be allowed to be stacked on roadside.
- 12.4 Bitumen used for the work shall be heated in boilers only and not in drums on open fire. Spraying of bitumen wherever necessary should be done only with the mechanical sprayers and premixing of bitumen and stone aggregates should be done only in the proper mechanical mixer/hot mix plant.
- 12.5 In order to ensure that there is no slippage in achieving the targets, the progress may be closely monitored by CE (NH) and quarterly status report furnished to the Ministry and R.O., Lucknow in the prescribed proforma.
- 12.6 During the course of execution, the traffic may be regulated in accordance with guidelines laid down vide Ministry's letter no. NH/III-33 (126)/72 dated 20th March, 1973 and Letter No. RW/NH-11060/1/1998-D.O.1 dated 7th October, 1987. Smooth flow of the traffic may be ensured by providing adequate traffic control devices in accordance with stipulation of IRC: SP: 55:2001 "Guidelines on Safety in construction Zone".
- 12.7 The display boards on development activities of the work shall be made as per guidelines issued vide Ministry's letter no. RW/NH-33044/10/2002-S&R (R) dated 26th May, 2003. The cost of the same will be met out of the provision of contingencies allowed in the estimate.
- 12.8 Work shall be monitored timely so that there is no cost & time overrun.



(Ankit Verma)
Executive Engineer
For Chief Engineer - Regional Officer