भारत सरकार सड़क परिवहन एंव राजमार्ग मंत्रालय

परिवहन भवन, संसद मार्ग, नई दिल्ली.110001 दिनांक । ३.२ . .2016

सं0 आर डब्लयू/एनएच-12014/1003/2015/एचआर/एनएच-1

सेवा में,

सचिव, हरियाणा सरकार, लोक निर्माण विभाग, चंडीगढ़।

বিষয়:- Detailed estimate for reconstruction of bridges on Rewari Sohna Palwal road NH-71B (New NH-919) at Km. 69.600 on Gaunchi main Drain & at Km. 73.400 on Janauli drain in Palwal Distt. in the State of Haryana.

संदर्भ:- L-in-C, PWD Haryana Memo no. 3437/NH dated 10.09.2015.

(Job No. NH-71B(New NH-919)-HR-2015-16-381)

महोदय

मुझे तकनीकी नोट में दी गई शर्तों के अध्यधीन, निम्न ब्यौरे के अनुसार विषय शीर्षक में उल्लिखित निर्माण कार्यों के लिए प्राक्कलन हेतु राष्ट्रपति की प्रशासनिक, तकनीकी अनुमोदन एवं वित्तीय संस्वीकृति सूचित करने का निदेश हुआ है:—

 1. राज्य द्वारा भेजे गए उक्त कार्य के लिए प्राक्कलन में उल्लिखित राशि
 Rs. 500.55

 2. तकनीकी अनुमोदन की राशि (9% की दर से एजेंसी प्रभार सहित)
 Rs. 473.48

 3. वित्तीय एवं प्रशासनिक स्वीकृति की राशि
 Rs. 473.48

(Rupees Four Crore Seventy Three Lakh and Forty Eight Thousand only)

2. यह संस्वीकृति निम्नलिखित शर्तो पर आधारित है:-

- (i) यह कार्य तकनीकी नोट में दिए गए लक्ष्य व उल्लेख के अनुसार पूरा किया जाना चाहिए।
- (ii) 9 मार्च, 2000 के पत्र स0 आर डब्ल्यू / एनएच-11029 / 3 / 99-यू एस डी । के तहत जारी "निविदा आमंत्रण" संबंधी दिशा निर्देशों का पालन किया जाएगा।
- (iii) पूर्व परिपत्र दिनांक 13.1.2000 सं.आरडब्ल्यू / एनएच—11026 / 2 / 99—यूइस (डी—1) का अधिकमण करते हुए जालय के परिपत्र दिनांक 29.10.2001 संख्या आरडब्ल्यू / एनएच—11026 / 2 / 99—यूएस (डी—1) में निहित आदेशों के अनुसार, यदि निविदा की लागत स्वीकृत अनुमानित लागत से 5% अधिक है, तब संशोधित प्राक्कलन पर मंत्रालय से स्वीकृति लेनी होगी । इसके अतिरिक्त यह भी सुनिश्चित किया जाए कि राष्ट्रीय राजमार्गों पर निर्माण के निष्पादन हेतु आमंत्रित की गई निविदा तथा विज्ञापन से संबंधित अन्य केन्दीकृत वित्तीय योजनाओं की आवश्यकताओं को देखते हुए इन्हें मंत्रालय के दिनांक 9.3.2000 के परिपत्र संख्या आरडब्ल्यू / एनएच—11024 / 3 / 99—यूएस (डी) द्वारा जारी दिशा—निर्देशों के अनुरूप पालन किया जाए।
- (iv) 50% कार्य होने पर यदि परियोजना का जायजा लेने से यह पता लगता है कि परियोजना के भौतिक रूप से होने की तुलना में वित्तीय व्यय के आधार पर प्राक्कलन संशोधन आवश्यक होगा तो संशोधित प्राक्कलन प्रस्तुत करने के लिए तत्काल कार्यवाही की जानी चाहिए तािक यह सुनिश्चित किया जा सके कि अनुमािनत सीमा से अधिक व्यय करने की आवश्यकता अत्पन्न होने से पहले स्वीकृत संशोधित प्राक्कलन उपलब्ध है।
- (v) इस कार्य पर तथा संस्वीकृत कार्यो पर व्यय चालू वित्त वर्ष के दौरान राज्य सरकार के लिए किए गए आवंटन से अधिक नहीं होना चाहिए और यह भी सुनिशिचित किया जाए कि राज्य सरकार को जारी की जाने वाली राशि कार्य की प्रगति और पहले जारी की गई राशि की उपयोगिता के आधार पर उचित है।
- (vi) मंत्राालय के दिनांक 5/10.7/2001 के परिपन्न सं0 एन0एच0—15015/29/2001—पी0 एल0 के अनुसार यदि स्वीकृति की तारीख से 5 माह के अंदर कार्य नहीं सौंपा जाता है तो कार्य अस्वीकृत हो जाएगा ।

सं0 आर डब्लयू / एनएच-12014 / 1003 / 2015 / एचआर / एनएच-1

- (vii) मंत्रालय के ज्ञापन सं0 आर डब्ल्यू/एनएच. 33044/10/202.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 ।
- 3 यह व्यय मुख्यशीर्ष 5054 सङ्कों <u>और पु</u>लों के संबंध में पूँजीगत परिव्यय, 01-राष्ट्रीय राजमार्ग, 01.337-सड़क कार्य, 01.02 -अन्य योजनाएं, 01.02.53 मुख्य कार्य के नाम में डाला जाएगा जिसके लिए चालू वित्त वर्ष 2015-2016 के लिए संगत मांग सं0 83-सड़क परिवहन और राजमार्ग मंत्रालय है।

4. अनुमोदित प्राक्कलन की एक प्रति अलग से मुख्य अभियन्ता (रा० रा०) को मेजी जा रही है।

5. सभी स्वीकृति कार्यों की तरह विहित प्रपत्र में 5 करोड़ से ज्यादा के कार्यों के लिए मासिक प्रगति रिपोर्ट इस मंत्रालय तथा उसे क्षेत्रिय अधिकारी, चड़ीगढ़ को भेजी जाए।

निम्नलिखित वस्तुगत और वित्तीय लक्ष्य निधियों की उपलब्धता के आधार पर किया जाए:-

 वर्ष
 वस्तुगत(संचयी)
 वित्तीय(संचयी लाखों में)

 2016-2017
 100%
 Rs. 473.48

7. यह संस्वीकृति वित्त प्रभाग की सहमति से उनके यू ओ सं0 4080/TF-II/2015 dated 8.3.2016 के द्वारा जारी की जाती है।

(सुशील कुमार जीवा) अवर सचिव भारत सरकार

प्रतिलिपि प्रेषित:-

1. महालेखाकार, हरियाणा सरकार, चंडीगढ़।

- वेतन एवं लेखा अधिकारी, सड़क परिवहन एवं राष्ट्रीय राजमार्ग, आई डी ए बिल्डिंग, जाम नगर हाउस, नई दिल्ली।
- 3. वेतन एवं लेखा अधिकारी, सड़क परिवहन एवं राष्ट्रीय राजमार्ग, छठामाला, केन्द्रीय सदन, सैक्टर १ए, चंडीगढ़।
- 4. लेखा प्रमुख निदेशक, आर्थिक एवं लेखा मंत्रालय, महालेखाकार, केन्द्रीय राजस्व भवन, इन्द्रप्रस्थ इस्टेट, नई दिल्ली।

एन.एच.डी.पी-4-ए, अनुभाग।

(सुशील कुमार जीवा) अवर सचिव भारत सरकार

तकनीकी नोट की एक प्रति के साथ प्रति प्रेषित:-

- 1. मंत्री जी के निजी सचिव।
- 2. अध्यक्ष, भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, प्लाट न0. 5-6, सैक्टर-10, द्वारका, नई दिल्ली।
- संयुक्त सचिव, (राष्ट्रीय राजमार्ग)।
- 4. मुख्य अभियन्ता (एन.एच.डी.पी-4)।
- मुख्य अभियन्ता, राष्ट्रीय राजमार्ग, हरियाणा सरकार, लोक निर्माण विभाग, चंडीगढ़-संशोधित प्राक्कलन की एक प्रति सलंग्न है।
- 6. अधीक्षण अभियन्ता, सड़क परिवहन एवं राष्ट्रीय राजमार्ग, छठा माला, केन्द्रीय सदन, सैक्टर १ए, चंडीगढ़।
- 7. मुख्य अभियन्ता <u>पी-1/अधीक्षण</u> अभियन्ता पी-1/कार्यकारी अभियन्ता पी-1/ मुख्य अभियन्ता भैकनिकल/ कार्य एवं लेखा अनुभाग/ विद्वत प्रभाग/ गार्ड फाईल।

विजयलक्ष्मी

(विजयलक्ष्मी) अनुभाग अधिकारी

GOVERNMENT OF INDIA MINISTRY OF ROAD TRANSPORT & HIGHWAYS

No. RW/NH-12014/1003/HR/2015/NH-1

Dt.: 17.3-2016

(46 No. NH-718 (NEW, NH-919)-HR-2015-16-381)

TECHNICAL NOTE

	1.	Name of the work	Detailed estimate for reconstruction of bridges on Rewari Sohna Palwal road NH-71B (new NH-919) at km. 69.600 on Gaunchi main drain & at km. 73.400 on Janauli drain in Palwal Distt. of Haryana State.		
	2.	NH No.	71B (new NH-919)		
	3.	State	Haryana		
	4.	Estimated cost (Including Agency charges @ 9%)	As proposed by State PWD	As Modified in the Ministry	
			Rs. 500.55 lakhs	Rs. 473.48 lakhs	
	5.	Reference	E-in-C, PWD, Haryana letter no. 3437/NH dated 10.09.2015		

COMMENTS

SCOPE OF WORK:

The Work envisages for reconstruction of bridges on Rewari Sohna Palwal road NH-71B (new NH-919) at km. 69.600 on Gaunchi main drain & at km. 73.400 on Janauli drain in Palwal Distt. of Haryana State.

2. **Provisions Allowed**: Ministry has allowed the for reconstruction of bridges on Rewari Sohna Palwal road NH-71B (new NH-919) at km. 69.600 on Gaunchi main drain & at km. 73.400 on Janauli drain in Palwal Distt. with its construction components.

3. Modifications made in the estimate:

- (i) W/c charges modified from 1.5% to 1% as per Ministry's policy and cost of Hume pipe diversion have been modified in the estimate.
- (ii) The estimate prepared by PWD is accepted for the estimate purpose only. The State PWD may be asked to get the design of above bridges carried out as per latest specifications in vogue and get it approved from the CE (NH) Haryana / competent officer of State PWD before actual execution of the work. The design of above bridge shall be carried out for various combinations of loadings as per IRC codal provision. Relevant IRC codal provision would be ensured by the CE (NH) PWD. Any departure of cost on this account may be met out from contingency.
- 4. Estimated cost of the work: The estimate has been checked in view of above comments for Rs. 473.48 lakhs including all centages (i/c Rs. 33.00 lakhs for utilities shifting). The brief break up of the cost is given below:

Estimated cost of Civil work = Rs. 386.02 lakhs
Centages (2.8% contingency, 1.5% WC,1% QC & 9%Agency) = Rs 54.46 lakhs
Shifting of electric poles = Rs. 33.00 lakhs
Total = Rs. 473.48 lakhs

gr.

5. Rates and Leads:

- 5.1 The estimate has been prepared by PWD based on the analysis of rates as per Ministry's latest Standard Data book and C.S.R. It is presumed that CE, NH has satisfied himself about (i) the adequacy of the rates and leads adopted in the estimate and (ii) the quarries proposed are approved quarries for NH works with minimum leads.
- 5.2 The leads for the collection of various materials as adopted in the estimate have been allowed for estimate purpose only. However, while calling tender, 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.

6. Specifications and Quality Control:

- 6.1 All the items of work included in the scope of work will be executed as per MOST Specifications for Road and Bridge Works (5th Revision) 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.
- 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.
- 6.3 Regional officer, MORT&H, Chandigarh may get the independent quality control test of all items from any of the NABL accredited laboratories as per IRC:SP:94-2011 done from the Quality Control provision in estimate and ensure the quality of work.
- 6.4 Provision for quality control @ 1% has been allowed. 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 19.4.84 and permanent records maintained thereof.
- 6.5 Stipulations made in the Manual for Construction and Supervision of Bituminous works shall be strictly followed during execution of work.
- 6.6 Three stage videography (before, during and after completion of work) shall be done and CD furnished to Regional Officer, Chandigarh before final payment is released. In this regard Ministry's circular no. NH-22023/16/2005-P&M dt. 18.05.2005 may kindly be referred.
- 6.7 The work of road marking with stipulated paint (thermoplastic) shall be done as per CI 803 of Ministry's latest specifications and IRC: 35-1997.

Splitting of work:

No splitting of work shall be allowed.

8. Invitation of tenders:

Je.S.

- 8.1 The tenders for the work shall be invited adopting e-procurement/e-tendering procedure as per Ministry's circular No. RW/NH-24035/4/2008-P & M/PIC dated 21.05.2011.
- 8.2 The Bill of quantities (BOQ) for the tender purpose may be modified in compliance of this technical note and observations given below. The excess due to any item(s) of work may be met from the savings in other item(s) of work. However, it shall be ensured that all items of work including the items against L.S. provisions are included in the Bill of Quantities (BOQ) to be issued along with the tender document.
- 8.3 The advertisement for invitation of tenders shall be done as per modified guidelines circulated to State PWDs in the Ministry's No.RW/NH-11024/3/99-US(D.I) dated 09.03.2000 and the cost incurred under contingencies with the approval of Ministry RO as per para 1.1 of Ministry circular No. RW/G-20011/8/98-WA dated 16.08.2002.
- A 8.4 In accordance with the order contained in the Ministry's circular no. RW/NH-11026/2/99-US(P) dated 13.1.2000, if the cost of tender exceeds 5% of the sanctioned amount, the work shall be got de-sanctioned and fresh estimate be got sanctioned from the ministry.
 - 8.5 It needs to be clearly mentioned in the NIT that the rates are inclusive of cost of traffic management during construction. Contractor shall provide road signage, ballads, boards, gunny bags, sheets etc. for safety of traffic during construction period, which will be incidental to work.
 - 8.6 Ministry's Standard Document must be followed for works contract costing more than Rs. 5.00 cr as per Ministry's circular no. NH-24035/4/2008-P&M/PIC-EAP dated 13.11.2014.
 - 8.7 Ministry's circular No. RW/NH-24035/4/2008-P&M/PIC dated 27.11.2009, 21.05.10 and 25.03.2011 must be followed for guidelines and procedure to be adopted for invitation of tenders and qualification of contractor for execution of Road & Bridge works on National Highway and Centrally Finance Schemes.
 - 8.8 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. Circular No. 4/3/07 dated 03.03.2007 should be strictly followed.
 - The time limit for awarding of this work is 6 months from the date of sanction and should be strictly followed as per the instructions communicated to all State PWDs vides this Ministry's letter no. RW/NH-15015/29/2001-PL dated 5th July, 2001 and compliance reported to the Ministry. If the work is not awarded within the stipulated time, it may lead to de-sanction of the work unless Ministry's prior approval to extension of the time limit is obtained.
 - 8.10 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.
 - 8.11 PWD will intimate this Ministry and the R.O. Chandigarh 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) dt.01.12.1993.
 - 9. General Observations:

Jus.

- 9.1 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.
- 9.2 The provisions made in the estimate are accepted for estimate purpose only. Any savings (in the provisions in the estimate) during execution of the work shall be credited to the estimate.
- 9.3 The work should be carried out as per Ministry's specifications for Road and Broge Works (5th Revision) and guidelines issued by the Ministry from time to time. Deviations in specifications for any work should be got approved from the Ministry before adopting the same.
- 9.4 No work beyond the scope of the sanctioned estimate leading to increase in the scope of the work or change in specification should be undertaken without obtaining prior written approval of the Ministry. In this connection this Ministry's letter No. RW/NHIII/Coord/32/84 dated 19.5.84 and NH-11026/2/99-US (DI) dated 29.10.2001 may be referred.
- 9.5 Provision for quality control @1% has been allowed. The work is to be carried out in accordance with the "Hand Book of Quality Control for construction of Roads and Runways (Second Revision) IRC SP: 11-1988", observing strict quality control instructions contained in Ministry's letter No. NHIII/P/I/83 dated 19.4.84 and permanent records maintained thereof. CE (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.
- 9.6 Defects liability period is three years as per Ministry's circular no. NH-11065/4/2002-P&M (Pt.-II) dt. 12.04.2012.
- 9.7 Neither the work nor any item of work shall be spilt into small parts for awarding the work to a number of contractors. In case any splitting is essential due to the specific prevailing conditions, it should be done only after prior approval of this Ministry. In this regard instructions issued in the Ministry's letter no. NHIII/P/75/78 dated 4.8.84 may be referred.
- 9.8 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., Chandigarh in the prescribed proforma.
- 9.9 During the course of execution, the traffic may be regulated in accordance with guidelines laid down vide Ministry's letter no. NHIII-33 (126)/72 dated 20.03.1973 Letter No.RW/NH-11060/1/1998-D.O.1 dated 07.10.1987. Smooth flow of the traffic may be ensured by providing adequate traffic control devices in accordance with stipulation of IRC: SP: 55:200"Guidelines on Safety in construction Zone".1.
- 9.10 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.

Jer -

Targets: Following physical and financial targets may be achieved subject to the availability of funds: 10.

Year	Physical Progress (%) cumulative	Financial Progress cumulative (Rs. in lakhs)
2016-17	100%	473.48

(Pramod Kumar) Assistant Engineer (P-1), for Director General (Road Development) & Special Secretary