

National High Speed Rail Corporation Limited (NHSRCL)
(A Joint Sector Company of Govt. of India and Participating
State Government)



CONSTRUCTION OF ONE NO. ROAD UNDER BRIDGE (RUB) ON SINGLE LINE
RAILWAY TRACK (CONNECTING CHORD LINE BETWEEN AHMEDABAD-
VADODARA LINE & GODHRA -VADODARA LINE AT HIGH SPEED RAIL
ALIGNMENT BETWEEN MUMBAI & AHMEDABAD (HSRMA) CHAINAGE KM
402/935M IN KARODIYA VILLAGE, VADODARA.

Tender No.: NHSRCL/VADODARA/RUB/2019-20/06

TENDER DOCUMENT
(One Packet System)

(Top Sheet, Notice Inviting Tender, Form of Bid, GCC, TOR, Special Condition,
Annexures, BOQ, Offer Sheet)

2019-20

National High Speed Rail Corporation Limited
3rd Floor, Productivity House, Productivity Road,
Alkapuri, Vadodara – 390007.

Tender No: NHSRCL/VADODARA/RUB/2019-20/06

Name of work :-	Construction of One No Road Under Bridge (RUB) on Single line Railway track (Connecting Chord line between Ahmedabad-Vadodara line & Godhra -Vadodara Line at High Speed Rail alignment between Mumbai & Ahmedabad (HSRMA) Chainage KM 402/935M in Karodiya Village, Vadodara
Approximate cost :-	Rs. 1,49,61,269.18 (Excluding GST)
Earnest money Deposit :-	Rs. 2,24,900.00
Tender Fees :-	Rs. 5,900.00 (Including 18 % GST)
Completion period :-	06 Months
Validity of offer :-	90 Days
Type of Tender :-	Open Tender
Pre-bid Meeting date:-	30.04.2019 @ 1100 hrs
Tender closing date :-	13.05.2019 @ 1500 hrs
Tender opening date :-	13.05.2019 @ 1530 hrs
Place of Pre-bid Meeting, submission & opening of Tender :-	Office of Chief Project Manager, National High-Speed Rail Corporation Ltd, 3 rd floor, Productivity House, Productivity Road, Alkapuri, Vadodara-390007

- (a) You may also note that the end of the document is marked as "**END OF DOCUMENT**". The total document is to be downloaded for submission of the offer otherwise the document will be treated as incomplete and therefore invalid.
- (b) Tenderer(s) may please also note that if any change/addition/deletion with mala-fide intention is made by the bidder and the same is detected at any stage even after award of the tender, all necessary action including banning of business may be taken against the bidder.
- (c) The NHSRCL before the due date & time of closure of issue of tender documents on its own or in response to any clarification requested or suggested by any person including that of the tenderer may modified the tender document at its sole discretion. **It will be the responsibility of the tenderers** who had downloaded the documents from the website to submit offer in the updated copy of the tender documents and NHSRCL may not consider the offers downloaded from website if offer is not submitted in updated tender documents.

Dy. Chief Project Manager-Civil
उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड
वडोदरा / Vadodara



Signature of Tenderer

The tender document comprises of various parts and contains as under.

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Dy. Chief Project Manager-Civil
 उप मुख्य परियोजना प्रबंधक-सिविल
 National High Speed Rail Corporation Ltd.
 राष्ट्रीय उच्च गति रेल निगम लिमिटेड
 वडोदरा / Vadodara



Signature of Tenderer

NATIONAL HIGH-SPEED RAIL CORPORATION LIMITED VADODARA

Tenders are invited by National High-Speed Rail Corporation Ltd (NHSRCL) 3rd floor, Productivity House, Productivity Road, Alkapuri, Vadodara-390007 for the following work -:

Sr. No.	Name of Work & Tender No.	Approximate cost of the work (in Rs.)	Earnest money to be deposited (In Rs.)	Date and time for submission of tender and opening of tender	Web site particulars and notice for location where complete details can be seen etc.
1	<p>Tender No: NHSRCL/VADODARA/RUB/2019-20/06</p> <p>Construction of One No. Road Under Bridge (RUB) on Single line Railway track (Connecting Chord line between Ahmedabad-Vadodara line & Godhra - Vadodara Line at High Speed Rail alignment between Mumbai & Ahmedabad (HSRMA) Chainage KM 402/935M in Karodiya Village, Vadodara</p>	1,49,61,269.18	2,24,900.00	<p>Tender closing -:</p> <p>13.05.2019 @ 1500 hrs</p> <p>Tender opening-:</p> <p>13.05.2019 @ 1530 hrs</p>	<p>Tender documents can be downloaded from www.nhsrcl.in link – Tender from 22.04.2019 onwards</p> <p>Office of Chief Project Manager, National High-Speed Rail Corporation Ltd, 3rd floor, Productivity House, Productivity Road, Alkapuri, Vadodara-390007</p>

**NATIONAL HIGH-SPEED RAIL CORPORATION LIMITED
VADODARA**

TENDER FORM

First sheet

Name of work: - Construction of One No. Road Under Bridge (RUB) on Single line Railway track (Connecting Chord line between Ahmedabad-Vadodara line & Godhra – Vadodara Line at High Speed Rail alignment between Mumbai & Ahmedabad (HSRMA) Chainage KM 402/935M in Karodiya Village, Vadodara.

To,
The Chief Project Manager,
NATIONAL HIGH-SPEED RAIL CORPORATION LIMITED,
Alkapuri, Vadodara – 390007.

1. I/We _____, have read the various conditions to the Tender attached hereto and hereby agree to abide by the said conditions. I/We also to keep this tender **open for acceptance for a period of 90 days** from the date fixed for opening the same and in default there of I/We will be liable for forfeiture of my/our earnest money deposit. I/We offer to do the work for Chief Project Manager, National High-Speed Rail Corporation Limited (NHSRCL), Vadodara at the rates quoted in the attached Schedule and hereby bind myself/ourselves to complete the work in all respect within **06 Months** from the date of issue of letter of acceptance of the Tender.
2. I/We also hereby agree to abide by the General Conditions of Contract July14 edition corrected up to latest correction slip and to carry out the work according to Unified Standard Schedule of Rates 2011 (Works & Materials) for Western Railway & Unified Standard Specifications (Works & Materials) Vol. I & II of 2010 with latest amendments and Special Conditions of Contract and Specification of materials and work laid down by the Railway in the annexed special conditions/specifications, corrected up to latest correction slip up to date for the present contract.
3. Bid must be accompanied by an Earnest Money Deposit of Rs. 2,24,900.00 (Rupees Two Lakhs Twenty Four Thousand Nine Hundred only) by a crossed Demand Draft/Banker's Cheque/Fixed Deposit Receipt drawn by State Bank of India or any nationalized bank or Scheduled Bank of India in favour of NATIONAL HIGH SPEED RAIL CORPORATION LIMITED, payable at New Delhi. Please note that no interest is payable on EMD so long retained in NHSRCL and Fixed Deposit Receipt should be from Scheduled Bank endorsed in the favour of the client/Employer i.e. NATIONAL HIGH-SPEED RAIL CORPORATION LIMITED, payable at New Delhi. **Bid received without Earnest Money shall be summarily rejected.**
4. The full value of the Earnest Money shall stand forfeited without prejudice to any other right or remedies in case my/our tender accepted and if.

Dy. Chief Project Manager-Civil
उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड
वडोदरा / Vadodara

Signature of Tenderer

- (A) I/We do not execute the contract documents within Seven days after receipt of notice issued by the NHSRCL that such documents are ready and
- (B) I/We do not commence the work within Ten days after receipt of orders to that effect.
5. Until a formal agreement is prepared and executed, acceptance of this Tender shall constitute a binding Contract between us subject to modifications as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.
6. If, I/We do not execute the contract agreement, the NHSRCL may determine such Tenders has abandoned the contract, and there upon my/our Tender and acceptance thereof shall be treated as cancelled and the NHSRCL be entitled to forfeit full amount of Earnest Money Deposit and to recover the liquidated damages for such default.

Signature of Witness: -

1)

.....

2)

Tenderer's Address:-

.....

.....

.....

Signature of Tenderer(s)

Date: -

National High-Speed Rail Corporation Ltd,
3rd floor, Productivity House,
Productivity Road, Alkapuri,
Vadodara-390007

Dy. Chief Project Manager-Civil
उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड
वडोदरा / Vadodara



Signature of Tenderer

TENDER FORM

Second Sheet

1. INSTRUCTIONS TO TENDERERS AND CONDITION OF TENDER.

The following documents form part of Tender/ Contract: -

- a) Tender form – First sheet and second sheet.
- b) Special Conditions/ Specification (enclosed).
- c) Schedule of approximate quantities (enclosed).
- d) Western Railway General Conditions of Contract (G.C.C.) July 14 edition corrected up to latest Correction slip. Copy of General Conditions of Contract can be obtained from the office of The Chief Engineer, Western Railway on prescribed payment.
- e) Unified Standard Schedule of Rates 2011 (Works & Materials) for Western Railway & Unified Standard Specifications (Works & Materials) Vol. I & II of 2010 with latest amendments. Copy can be obtained on prescribed payment, from the office of the Chief Engineer, Western Railway Churchgate- Mumbai 400020.
- f) Track Manual & Indian Railway P. Way Manual with latest amendments.
- g) All General and detailed drawings pertaining to this work will be issued by the Engineer or representative (from time to time) with all changes and modifications.

2. DRAWING FOR THE WORK.

Drawing for the work can be seen in the office of the Chief Project Manager, National High Speed Rail Corporation Limited (NHRCL), Vadodara at any time during the office hours. These drawings are only for the guidance of contractors.

3. The Tenderer(s) shall quote his /their rates as a percentage above or below the schedule of Rates of the NHRCL as applicable to this Division except where he/they are required to quote item rates and must tender for all the items shown in the schedule of approximate quantities attached. The quantities shown in the attached schedule are given as a guide and are approximate only and are subject to variation according to the needs of the NHRCL. The NHRCL does not guarantee work under each item of the schedule.
4. Tenders containing erasures and/ or alternations of the tender documents are liable to be rejected. Any correction made by the Tenderer(s) in his/their entries must be attested by him.

Dy. Chief Project Manager-Civil

उप मुख्य परियोजना प्रबंधक-सिविल
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वडोदरा / Vadodara

Signature of Tenderer

5. INSPECTION OF SITE BEFORE TENDERING ETC.

The Tenderer (s) shall inspect the proposed site of work and acquaint/themselves with the conditions, working hours, layout of land trees and shrub that he/they will have no cut, type of start likely to be met within the borrow pits, stacking space for materials, approach road, pathways available, etc. and all relevant items connected with the execution of work. No claim shall be entertained for the contractor(s) making his/their own arrangements for approaches/approach road from outside NHSRCL land and contractor(s) will bear entire expenses such as road taxes, payment for right of way etc. to outsiders and for construction of approaches/approach roads etc.

6. The works are required to be completed within the period stipulated in the tender document, from the date of issue of acceptance letter.

7. TENDER FEES

- (a) The tender documents to be downloaded from the official website of National High Speed Rail Corporation Limited www.nhsrcl.in for submitting the tender. The Tender fees (non-refundable & non-transferable) will have to be submitted in form of a demand draft (Separate demand draft other than that of Earnest Money) in favour of National High Speed Rail Corporation Limited payable at New Delhi to be enclosed with the tender documents along with required DD / FDR towards Earnest Money Deposit of National High Speed Rail Corporation Limited, New Delhi.
In case, the offer is not accompanied with the valid tender fees, the tender will be summarily rejected.
- (b) You may please note that the documents being allowed to be downloaded with further condition that he/they agree to abide by the conditions laid down hereinafter in tender documents, before submitting his/their tender

8. EARNEST MONEY AND SECURITY DEPOSIT:-

(A) EARNEST MONEY

- (a) Bid must be accompanied by an Earnest Money Deposit of **Rs.2,24,900.00** (Rupees Two Lakhs Twenty Four Thousand Nine Hundred only) by a crossed Demand Draft/Banker's Cheque/Fixed Deposit Receipt drawn by State Bank of India or any nationalized bank or Scheduled Bank of India in favour of NATIONAL HIGH-SPEED RAIL CORPORATION LIMITED, payable at New Delhi. Please note that no interest is payable on EMD so long retained in NHSRCL and Fixed Deposit Receipt should be from Scheduled Bank endorsed in the favour of the client/Employer i.e. NATIONAL HIGH-SPEED RAIL CORPORATION LIMITED, payable at New Delhi. **Bid received without Earnest Money shall be summarily rejected.**
- (b) The Tenderer shall hold the offer open for the **period of 90 days** from the date fixed for opening the same. It is understood that the Tender documents have been sold/issued to the Tenderer and the Tenderer is being permitted to tender in

consideration of the stipulation on his part that after submitting his/their tender, subject to the period being extended further if required by mutual agreement from time to time, he will not resile from his offer or modify the terms and conditions thereof in manner not acceptable to the NHRCL should the Tenderer fails to observe or comply with the foregoing stipulation, the aforesaid amount shall be liable to be forfeited to the NHRCL.

- (c) The Earnest Money of the unsuccessful tenderer(s) will, save as here-in-before provided, be returned to the unsuccessful tender(s) within a reasonable time but the NHRCL shall not be responsible for any loss or depreciation that may happen to the security for the due performance of the stipulation to keep the offer open for the period specified in the tender documents or to the Earnest Money while in their possession nor be liable to pay interest thereon.
- (d) The Earnest Money deposited by the successful Tenderer(s) will be retained towards the security deposit for the due and faithful fulfilment of the contract but shall be forfeited if the contractor fail/contractors fail to execute Agreement Bond within seven days after receipt of notice issued by the NHRCL that such documents are ready or to commence the work within Fifteen days after receipt of orders to that effect.

(e) Releasing of EMD

Following procedure shall be applicable for releasing of EMD.

- (i) In case of single packet system of tendering, the Earnest Money submitted by all the tenderers except L1, may be released after the acceptance of the offer of L1.
- (ii) In case negotiations are proposed to be held, the Earnest Money submitted by all the tenderers other than the tenderers with whom negotiation has been proposed, may be released after the acceptance of the recommendations of the tender committee by the accepting authority for holding negotiations.
- (iii) If the tender is not finalized within the original validity period, the EMD of the tenderers who do not agree to extend the validity of their offers may be released. This may, however, be done only after the receipt of refusal from the tenderers for any further extension, in writing.

(B) SECURITY DEPOSIT: -

- (1) The Earnest Money deposited by the Contractor with his tender will be retained by the NHRCL as part of security for the due and faithful fulfilment of the contract by the contractor. The balance to make up the security deposit, the rates for which are given below, may be deposited by the contractor in cash or may be recovered by percentage deduction from the contractor's "on account" bills. Provided also that in case of defaulting contractor the NHRCL may retain any amount due for payment to the contractor on the pending "on account bills" so that the amounts so retained may not exceed 10% of the total value of the contract.

(2) Unless otherwise specified in the special conditions, if any the Security Deposit/rate of recovery/mode of recovery shall be as under: -

- (a) Security Deposit for each work should be 5% of the contract value.
- (b) The rate of recovery should be at the rate of 10% of the bill amount till the full security deposit is recovered.
- (c) Security Deposits will be recovered only from the running bills of the contract and no other mode of collecting SD such as SD in the form of instruments like BG, FD etc. shall be accepted towards Security Deposit.

Security Deposit shall be returned to the contractor after the physical completion of the work as certified by the competent Authority and after expiry of 12 months after the satisfactory test on water tightness. The Competent Authority shall normally be the authority who is competent to sign the contract. If this Competent Authority is of the rank lower than JA Grade, then a JA Grade Officer (concerned with the work) should issue the certificate. The certificate, inter alia, should mentioned that the work has been completed in all respects and that all the contractual obligations have been fulfilled by the contractors and that there is no due from the contractor to NHRCL against the contract concerned. Before releasing the SD, an unconditional and unequivocal no claim certificate from the contractor concerned should be obtained.

(3) No interest will be payable upon the Earnest Money and Security Deposit or amounts payable to the Contractor under the contract, but Government Securities deposited in terms of sub Clause (1) of this clause will be payable with interest accrued thereon.

NOTE:-

- (i) After the work is physically completed, Security Deposit received from the running bills of a contractor can be refunded to him if he so desire, in lieu of FDR/irrevocable Bank Guarantee for equivalent amount to be submitted by him.
- (ii) In case of contracts of value Rs.50 Crore and above, irrevocable Bank Guarantee can also be accepted as a mode of obtaining Security Deposit.
- (iii) No interest will be payable upon the Earnest Money and Security Deposit or amounts payable to the Contractor under the contract, but Government Securities deposited in terms of sub Clause (1) of this clause will be payable with interest accrued thereon.

9. RIGHTS OF NHRCL TO DEAL WITH TENDERS: -The authority for the acceptance of the Tender will rest with the NHRCL it shall not be obligatory on the said authority to accept the lowest tender or any other tender and no tenderers shall demand neither any explanations for the cause of rejection of his/their tender nor the NHRCL to assign reasons for declining to consider or reject any particular tender or tenders.

10. If the Tenderer(s) deliberately gives/ give wrong information in his/their Tender or creates/create circumstances for the acceptance of his/their Tender, the acceptance of his/the NHRCL reserves the right to reject such Tender at any stage.
11. If the Tenderer(s) expires after the submission of his/their Tender or after the acceptance of his/their tender, the NHRCL shall deem such Tender as cancelled. If a partner of a firm expires after the submission of their Tender or after acceptance of their Tender, the NHRCL shall deem such Tender as cancelled, unless the firm retains its character.

12. TENDERER'S CREDENTIALS:

Tenderer(s) who has/have carried out any work so far on this NHRCL and who is/are required to submit in duplicate particulars regarding his/their financial position commensurate with amount of contracting supported by a Bank reference and credentials certificates duly attested by a Gazetted Officer and testimonials regarding experience for the type of job which this tender is invited with list of works giving cost thereof, carried out in the part along with the tender. Para regarding Eligibility criteria applicable for all open tenders costing Rs. 50 Lakhs and above given here in after may be referred in this regard.

Non-compliance with any of the conditions set forth therein above is liable to result in the tender being rejected.

13. EXECUTION OF CONTRACT DOCUMENTS: -

The successful Tenderer(s) shall be required to execute an agreement with NHRCL for carrying out the work according to 'General Conditions of Contract', Special Conditions/Specifications annexed to the tender and the documents as mentioned in Tender form (First Sheet & second sheet)

14. PARTNERSHIP DEEDS, POWER OF ATTORNEY ETC.

The Tenderer shall clearly specify whether the tender is submitted on his own behalf or on behalf of partnership concern, if the tender is submitted on behalf of partnership concern he should submit partnership deed along with the Tender and authorization to sign the tender document on behalf of partnership concern. The NHRCL will not be bound by any power of Attorney granted by the Tenderer or by changes in the composition of the firm made subsequent of the execution of the contract. It may however recognize such power of attorney and charges after obtaining legal advice the cost of which will be chargeable to the contractor.

15. The Tenderer whether a sole proprietor or a limited company or a partnership firm if they want to act through agent or individual partner/partners should submit the Tender or at a later stage a power of attorney duly stamped and authenticated by a Notary public or by Magistrate in favour of the specific person whether he/they be partners of the firm or any other person specifically authorizing him/them to submit the Tender, sign the agreements, receive money, witness measurements, sign measurement books, compromise, settle, relinquish any claim or claims preferred by the firm and sign ' No Claim Certificate 'and refer all or any disputes to arbitration.

Dy. Chief Project Manager-Civil
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वडोदरा / Vadodara

16. PERFORMANCE GUARANTEE (Performa attached):-

As per the board's letter Revised Clause 16(4) to Indian Railways General Conditions of Contract (Ref.: Item-I to Railway Boards Letter No. 2007/CE. I/CT/18 Pt. XII, dated 31.12.2010)

"Clause 16(4). Performance Guarantee"

The procedure for obtaining Performance Guarantee is outlined below:

- (a) The successful bidder shall have to submit a Performance Guarantee (PG) within 30 (thirty) days from the date of issue of Letter of Acceptance (LOA). Extension of time for submission of PG beyond 30 (thirty) days and upto 60 days from the date of issue of LOA may be given by the Authority who is competent to sign the contract agreement. However, a penal interest of 15% per annum shall be charged for the delay beyond 30 (thirty) days, i.e. from 31st day after the date of issue of LOA. In case the contractor fails to submit the requisite PG even after 60 days from the date of issue of LOA, the contract shall be terminated duly forfeiting EMD and other dues, if any payable against that contract. The failed contractor shall be debarred from participating in re-tender for that work.
- (b) The successful bidder shall submit the Performance Guarantee (PG) in any of the following forms, amounting to 5% of the contract value:
- (i) A deposit of Cash;
 - (ii) Irrevocable Bank Guarantee;
 - (iii) Government Securities including State Loan Bonds at 5% below the market value;
 - (iv) Deposit Receipts, Pay Orders, Demand Drafts and Guarantee Bonds. These forms of Performance Guarantee could be either of the State Bank of India or of any of the Nationalized Banks;
 - (v) Guarantee Bonds executed or Deposits Receipts tendered by all Scheduled Banks;
 - (vi) A Deposit in the Post Office Saving Bank;
 - (vii) A Deposit in the National Savings Certificates;
 - (viii) Twelve years National Defence Certificates;
 - (ix) Ten years Defence Deposits;
 - (x) National Defence Bonds and
 - (xi) Unit Trust Certificates at 5% below market value or at the face value whichever is less. Also, FDR in favour of FA&CAO (free from any encumbrance) may be accepted.

NOTE: The instruments as listed above will also be acceptable for Guarantees in case of Mobilization Advance.

- (c) The Performance Guarantee shall be submitted by the successful bidder after the Letter Of Acceptance (LOA) has been issued, but before signing of the contract agreement. This P.G. shall be initially valid up to the stipulated date of completion plus 60 days beyond that. In case, the time for completion of work gets extended, the contractor shall get the validity of P.G. extended to cover such extended time for completion of work plus 60days.
- (d) (i) The value of PG to be submitted by the contractor will not change for variation upto 25% (either increase or decrease).

In case during the course of execution, value of the contract increases by more than 25% of the original contract value, additional Performance Guarantee amounting to 5% (Five percent) for the excess value over the original contract value shall be deposited by the contractor.

On the other hand, if the value of the contract decreases by more than 25% of the original contract value, Performance Guarantee amounting to 5% (Five percent) of the decreases in the contract value shall be returned to the contractor. The PG amount in excess of required PG for decreased contract value, available with NHRCL, shall be returned to contractor as per their request duly safeguarding the interest of NHRCL.

(ii) The procedure to release "Excess PG available with NHRCL with respect to required PG for decreased contract value" will be as under:

- (a) Contractor shall submit his request to release current PG, along with submission of a revised PG of requisite amount as notified / communicated by NHRCL, in any of the forms as per clause 16 (4) except in cases where earlier PG has been submitted either in case or Demand draft.
- (b) NHRCL shall duly verify and confirm the genuinely of revised PG as per concurrent guidelines.
- (c) After conformation regarding genuinely of revised PG of requisite value, earlier PG can be released.
- (d) In cases where current PG is either in Cash or Demand draft, the "Excess PG available with NHRCL with respect to required PG for decreased contract value" shall be released duly considering the request of contractor.
- (e) The Performance Guarantee (PG) shall be released after physical completion of the work based on 'Completion Certificate' issued by the competent authority stating that the contractor has completed the work in all respects satisfactorily. The Security Deposit shall, however, be released only after expiry of the maintenance period and after passing the final bill based on 'No Claim Certificate' from the contractor.

- (f) Whenever the contract is rescinded, the Security Deposit shall be forfeited and the Performance Guarantee shall be encased. The balance work shall be got done independently without risk & cost of the failed contractor. The failed contractor shall be debarred from participating in the tender for executing the balance work. If the failed contractor is a JV or a Partnership firm, then every member/partner of such a firm shall be debarred from participating in the tender for the balance work in his/her individual capacity or as a partner of any other JV/partnership firm.
- (g) The engineer shall not make a claim under the Performance Guarantee except for amounts to which the President of India is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of.:
- (i) Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer may claim the full amount of the Performance Guarantee.
- (ii) Failure by the contractor to pay to NHSRCL any amount due, either as agreed by the contractor or determined under any of the Clauses/Conditions of the Agreement, within 30 days of the service of notice to this effect by Engineer
- (iii) The Contract being determined or rescinded under provision of the GCC, the Performance Guarantee shall be forfeited in full and shall be absolutely at the disposal of the President of India.

17. DOCUMENTS TESTIFYING FINANCIAL STATUS.

In support of financial status the tenderers should submit attested certificate from employer/ Client, audited balance sheet duly certified by Chartered Accountant etc.

18. TENDER DOCUMENTS ARE NOT TRANSFERABLE.

19. The tender will be governed with General Conditions of Contract July 2014 edition corrected up to latest correction slip.

Signature of Tenderer(s)

Dated:.....

National High-Speed Rail Corporation
Ltd,
3rd floor, Productivity House,
Productivity Road, Alkapuri,
Vadodara-390007

Dy. Chief Project Manager-Civil

उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.

राष्ट्रीय उच्च गति रेल निगम लिमिटेड
Signature of Tenderer

SPECIAL CONDITIONS /SPECIFICATIONS OF CONTRACT

1. The special and the work schedule shall gone the works to be executed under this contract in addition to and/or in part suspension of the General Conditions of Contract and Standard specifications and laid in the Western Railway Works Books part III as amended by correction slip up to date.
2. The Tenderer/Tenderers shall quote his/their rates on %age above or below provided schedule of rates in metric units of Western Railway's as applicable to Vadodara Division and must tender for all the items shown in the attached schedule.
3. It shall not be obligatory on the said authority to accept the lowest tender and no tender/tenderers shall demand any explanation for cause of rejection of his/their tender.
4. The tender shall keep the offer open for a period of 90 days from the date of opening of the tenders within which period being extended, further if required by mutual agreement from time to time. Any contravention of this condition will make the tender liable for forfeit of his Earnest Money Deposit in the Performances of the foregoing stipulation.
5. Tenders are invited on the basis of metric of units of rates given in the schedule of rates of NHRCL.
6. Tenders not accompanied with proper Earnest Money Deposit in the recognize manner will be summarily rejected.
7. The Earnest Money wherever it is deposited in cash should be remitted to the Chief Cashier, Mumbai or the Divisional Pay Master including Sr. Pay Clerks of the construction department nearest to their place of residence and the receipt obtained thereof should be enclosed with the tender as proof of the deposit of requisite Earnest Money.
8. The NHRCL Administration reserves the right to accept the tender in whole or part or may reject the same.
9. The tenderer is requested to sign all the pages of the tender documents.
10. When there is any conflict between these special conditions of Contract on one hand standard specifications and General Conditions of Contract of Western Railway on the other hand, the former shall prevail.
11. Any special condition stated by the tenderer(s) in covering letter submitted along with the tender shall be deemed as part of contract to such extent only as have explicitly been accepted by the NHRCL.
12. **Partnership Deeds, Power of Attorney etc:-** In terms of clause 13 of part I 'Regulation of Tender and Contract' of the G.C.C. The NHRCL will not bound by power of attorney granted by the tenderer or by the changes in the composition of the firm made subsequent to the execution of the contract. It may however, recognize such power of



attorney and changes after obtaining proper legal advise the cost of which will be chargeable to the contractor. These charges have been fixed at Rs.100/- payable by the Tenderer at the time of submitting the power of attorney for security and legal advice.

If the power of attorney is not accepted, otherwise when for legal defect, the charges will be refunded if the power of attorney is refunded on account of legal defect for correction, separate charges of Rs.50.00 security of corrected power of attorney will be payable by the tenderer while resubmitting power of attorney.

The same charges will be recoverable for security of all documents. No power of attorney in favour of an individual person will be accepted if it is irrevocable except when it is in favour of bank.

13. That the tender whether the sole proprietor or a limited company/individual partner/partners should submit, along with the tender, the power of attorney duly stamped and authority by not public or by Magistrate in favour of specific person/persons whether he/they be partner/partners of the firm or another person's.
14. In case where the power of attorney/partnership deed has not been executed in English, the true and authenticated copies of the translation of the same by advocate authorized translators of courts and licensed petition writers should be supplied by the Contractor(s) while tendering for the work.
15. None of the Engineers should be related to the tenderer/tenderers. If the tenderer/tenderers fail to give the above declaration his/their tender will be ignored. In case it is subsequently discovered that the declaration as aforesaid in anyway in incorrect, or the information furnished therein found wrong Administration, reserves the right to take the action in accordance with clause 61 of the General Condition of the Contract will be taken. (Copy of Declaration form is attached).
16. **Use of NHRCL Land:** - Use of NHRCL land required by the Contractor(s) for constructing temporary offices, quarters, hutments, etc. for the staff and for storing materials, will be permitted to him/them free by NHRCL, if available. The location of these offices, hutments, stores etc. will be subject to approval of Engineer or his representative. The land will be restored to NHRCL by the Contractor(s) in the same conditions as when taken over in vacant condition as desired by the Engineer, after completion of the work or at any earlier day as specified by Engineer. The failure to do so will make the contractor(s) liable to pay the cost incurred by the NHRCL for getting possession of land.
17. **Use of Private Land:** -The Contractor will have to make his/their own arrangement for use of private land outside NHRCL limit for due fulfilment of contract or borrow pits, approaches, etc. directly with the landowners or local authority and to pay such rents if any as payable as may be mutually agreed upon between them.
18. **Returns:** -The tenderer shall furnish to the Executive Engineer every week during progress of the work a classified return of the number of the people employed on the work during

- the week preceding the period. The contractor shall also furnish to the Executive Engineer a report of any accident, which may have occurred within 24 hours of its occurrence.
19. **REPRESENTATION OF WORKS:** - The contractor should nominate his representative on the works who will leave authorized to receive and acknowledge materials issued by the NHRCL and take all orders issued by inspecting officer of the NHRCL.
 20. **ERRORS, OMISSION AND DISCREPANCIES:** -The tender shall not take advantage of any misinterpretation of the condition due to typing or any other error and if any doubt shall bring it to the Engineer without delay in case of any contradiction, only the printed rules and books should be followed and no claim for the misinterpretation shall be entertained.
 21. **DEDUCTION FOR INCOME TAX:** - The NHRCL will deduct 2% of Income Tax on the gross of each bill while making payment to the contractors. The settlement of Income Tax should be made with the Income Tax authorities.
 22. **TRESSPASS:** - The Contractor shall at times be fully responsible for any damage of trespass committed by his agents or workmen in carrying out the work, even if such trespass in authorized by engineer.
 23. **INFLAMMABLE ARTICLES:-**Inflammable materials, such as petrol, oil etc. shall be stored separately from the other materials and do precautions as required under the Indian Explosive Act, or any other Act shall be taken by the contractor(s) to prevent any fires etc.
 24. **FIGURES, DIMENSIONS ETC:** - Figures, dimensions and drawings shall supersede measurements by scale and drawing to larger scale shall take precedence over those to similar scale, special dimensions or direction in the specification shall supersede all else.
 25. **PLEA OF CUSTOM:** - The plea of custom prevailing will not on any account be permitted as an excuse for an infringement of any of the conditions of the contract or specifications.
 26. **ARRANGEMENT FOR PERMITS/ LICENSE:** - Arrangement for permits and license for materials will not be made by the NHRCL or any assistance given. The contractor will have to make his own arrangement. Also, no important license shall be arranged by the NHRCL for this work.
 27. **TAXES AND ROYALTIES:** - All rates quoted in the tender shall be deemed to be inclusive of all taxes, royalties payable by the contractor(s) to the Government or the public body or local authority and no additional amount will be paid or claim entertained on this account by the NHRCL.
 28. **NOTICE TO PUBIC BODIES:** - The contractor(s) shall give to the Municipality, Police and the other authorities all notices that may be required by law and obtain all requisite license of temporary obstructions, enclosures and pay all fees taxes/and charges which may be leviable on account of his operations in executing the contract, he should make good any damage to adjoining premises whether public or private and supply and maintain lights etc. required at sight.



29. **WORKING HOURS:** - Work may be carried out round the clock if so desired by the contractor. The contractor(s) shall however be held responsible to ensure that none of the statutory laws are infringed.
30. **SETTING OUT:** - The contractor(s) shall set out the works and shall be responsible for the true and perfect setting out of the same and for the correctness of the positions, levels appear during the progress of the work, the contractor at his own expenses should rectify such error if so requires to the satisfaction of the Engineer.
31. **CARE OF STAFF:** - No quarters will be provided by the NHSRCL for the accommodations of the contractor or any of the staff employed on the work. The contractor may be allowed to erect any labour camps for housing the labour at or near the site of work on the available NHSRCL Land subject to payment of cess and water charges. The contractor shall at his own cost may call necessary and adequate arrangements for the importation, feeding and preservation at the hygiene of his staff.

The contractor shall permit inspection, at all times of all sanitary arrangements made by him, by the Engineer or his assistance or medical staff of the NHSRCL. If the contractor fails to make adequate medical, sanitary arrangements the same will be provided by the NHSRCL the cost thereof being recovered from the contractor.

32. **DAMAGE BY ACCIDENT, FLOODS OR TIDES.**

(1) The contractor shall take all precautions against damages from accident, floods or tides. No compensation will be allowed to the contractor for his plant or material lost or damaged by any cause whatsoever. The contractor shall be liable to make good the damages to any structure or part of the structure, plant or material of every description belonging to the administration lost or damaged by any cause during the course of contractor's work.

(2) The Administration will not be liable to the Contractor any charges for rectification or repairs to a payment which may have a occurred from any cause, whatsoever, to any part of the new existing structure, during construction.

33. **FIRST AID:** - The contractor shall maintain at readily accessible place First Aid appliances including an adequate supply of sterilized cotton wool. The appliances shall be placed under the charge of responsible person who shall be reliable during working hours.
34. **ANTI-MALARIA PRECAUTIONS:** - Every precaution shall be taken by the contractor to prevent the breeding of mosquitoes on the works during construction and all receptacles used for the storage of water must be suitably protected for this purpose or must be emptied at close of the work every day.
35. **ANTI-LARVAL TREATMENT:** - Contractor(s) shall be entirely responsible for ensuring that anti-larval work as per the bye-laws of the local authorities/corporations or such other bodies etc. is provided at the cost of contractor(s).
36. **MEASUREMENTS IN METRIC UNITS:** - Measurement and payment will be made in metric units.



37. INSPECTION REGISTER: - An inspection register shall be maintained at the site of work by the NHSRCL wherein instructions regarding the working etc. shall be recorded by the Engineer or his executive sub-ordinates. It is expected of the contractor or his representative at the site to note such instructions wherever asked upon to do so and take action accordingly.

38. MINIMUM ELIGIBILITY CRITERIA FOR OPEN TENDERS COSTING Rs. 50 LAKHS AND ABOVE: -

38.1 Technical Eligibility Criteria:

(a) The tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:

Three similar works costing not less than the amount **equal to 40%** of advertised value of the tender, or

Two similar works costing not less than the amount **equal to 50%** of advertised value of the tender, or

One similar work costing not less than the amount **equal to 80%** of advertised value of the tender.

(b) (i) In case of composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges – substructure, superstructure etc.), tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:

Three similar works costing not less than the amount **equal to 40%** of advertised value of each component of tender, or

Two similar works costing not less than the amount **equal to 50%** of advertised value of each component of tender, or

One similar work costing not less than the amount **equal to 80%** of advertised value of each component of tender.

Note: Separate completed works of minimum required values for each component can also be considered for fulfilment of technical eligibility criteria.

(b) (ii) In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity. Any work or set of works shall be considered to be a separate component, only when cost of the component is more than Rs. 2 crore each.

38.2 Financial Eligibility Criteria: The tenderer must have received contractual payments in the previous three financial years and the current financial year upto the date of opening of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client and/or Audited Balance Sheet duly certified by the Chartered Accountant etc.

(As per para No 10 (10.1 to 10.4) of of tender form (Second Sheet) of new GCC Nov.2018)



Similar work - "Construction of any type of Bridge/RUB in running line"

The tenderer is required to submit proof as how they meet the eligibility criteria for the tendered work. In case they do not submit any proof for the same, the offer will be considered incomplete and will be summarily rejected.

TENDERER'S CREDENTIALS: -In support of their credentials, the tenderers should submit following documents along with their tenders.

- (a) List of Personnel, Organization available on hand and proposed to be engaged for subject work in proforma at Annexure-A.
- (b) List of plant & Machinery available on hand (own) and proposed to be inducted (own and hired to be given separately) for the subject work in proforma at Annexure-B.
- (c) List of works completed in the last three financial years giving description of work, organization for whom executed, approximate value of contract at the time of award, date of award and date of scheduled completion of work. Date of actual start, actual completion and final value of contract should also be given in proforma at Annexure-C.
- (d) List of works on hand indicating description of work, contract value, and approximate value of balance work yet to be done and date of award in proforma at Annexure-D.

NOTE: -

- (i) In case of items 'c' and 'd' above, supportive documents/certificates from the organizations with whom they have worked/are working should be enclosed.
- ii) "Certificates/Credential issued by private individuals/Organizations shall not be accepted. (Amended in terms of CE/W/CCG'S letter No w/118/0 Vol VII (W6) Dated 11.12.14)
- (iii) Tenderer shall submit adequate documentary proof of having fulfilled the eligibility criteria. There will be no back reference to confirm credentials, except for the purpose of verifying the certificates submitted along with the tender.
- (iv) If tenderer do not submit any proof of meeting with eligibility criteria as laid down in the NIT and tender conditions, offer shall be treated as incomplete and should be summarily rejected.

39. Safety at work site.

Instructions issued in "Compendium of Instructions on Safety at Work Site" issued in April 2008 duly signed by both CAO@WR and PCE/WR on 28-04-2008 and 30-04-2008 respectively duly circulated vide CTE/CCG's letter No.T5/18/29(Safety) dated 05.05.2008 is required to be followed before/during the execution of the work. Copy of the same can be obtained from the concerned ADENS/NHSRCL official.

Address: -
.....
.....

Signature of Tenderer
Dated:-



Dy. Chief Project Manager-Civil
उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड
वडोदरा / Vadodara

Signature of Tenderer

National High-Speed Rail Corporation Limited

Description of work	Approximate cost of the work (in Rs.)	Earnest money to be deposited (in Rs.)
NHRCL/VADODARA/RUB/2019-20/06 :- Construction of One No Road Under Bridge (RUB) on Single line Railway track (Connecting Chord line between Ahmedabad-Vadodara line & Godhra -Vadodara Line at High Speed Rail alignment between Mumbai & Ahmedabad (HSRMA) Chainage KM 402/935M in Karodiya Village, Vadodara	1,49,61,269.18	2,24,900.00

NOTE :-

1. The above list and cost is only tentative and the administration reserves the right to increase or decrease the work to be carried out.
2. The contractor shall quote the rate of percentage basis above or below the NHRCL printed revised schedule of rates in force. The rates in the NHRCL Schedule under the Vadodara Division are applicable for the above work. In case rates for any item of work do not exist in the printed schedule of rates special rates will be worked out for such items on the basis of the schedule of rates. The contractor's quotation above or below the schedule of rates will be apply to such special rates also.
3. The estimate carrying the items of the work to be carried out may be seen by the contractor in the office of the Office of Chief Project Manager, National High-Speed Rail Corporation Ltd, 3rd floor, Productivity House, Productivity Road, Alkapuri, Vadodara-390007
4. The rates include all plant of every description and all means whatsoever employed for executing the work and also includes freight charges No extra amount will be paid for conveying the materials from the station or the stores depot to the site of work.

Address: -

.....

Signature of Tenderer

Date: -

.....

Dy. Chief Project Manager-Civil
उप मुख्य परियोजना प्रबंधक- सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड
वडोदरा / Vadodara



Signature of Tenderer

40. Deviation/special Condition quoted by the tenderers.

- i) "Tenderers should submit their offer strictly in accordance with the terms and conditions of the tender document. Tenderer should not quote any deviation from the tender document and should not quote any conditions.
- ii) Nevertheless, as an exception, if any unavoidable deviations or conditions are quoted by the tenderers, financial impact of each of such conditions/deviations on their quoted unit rates, in terms of Rupees per unit rate, shall be clearly mentioned by the tenderer in the tender offer.
- iii) If any of the deviation/condition has no financial impact on the quoted rates, in such cases also, the tenderer must clearly mention its financial impact as 'NIL'. This is required for proper financial evaluation of such conditional / deviated offers.
- iv) Conditional offers / offers with deviations, without quantified financial impact of each of the condition / deviation on the quoted rates, shall be considered as "incomplete" and shall be summarily rejected."

Address: -

.....

Signature of Tenderer

.....

Date:-

Dy. Chief Project Manager-Civil
उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड
वडावडारा
Signature of Tenderer

BANK GUARANTEE BOND

To,
The Chief Project Manager,
NATIONAL HIGH SPEED RAIL CORPORATION LIMITED,
Alkapuri, Vadodara – 390007.

In consideration of the President of India (hereinafter called "the Government") having agreed to accept from..... (hereinafter called " the said Contractor/s), under the terms and conditions of an Agreement/Acceptance letter dated.....made between.....and (herein after referred to as the Bank) at the request called "the said Agreement") the Performance Guarantee for the due fulfillment by the Contractors of the terms and conditions in the said Agreement on production of Bank Guarantee for Rs..... Rupees..... only) We..... indicate the name of the Bank herein after referred to as the Bank) at the request of..... .contractor/s do hereby undertake to pay the government an amount not exceeding Rs.....against any loss or damage caused to or suffered by or would be caused to or suffered by the Government by reason of any breach by the said contractor(s) of any of the terms or conditions contained in the said agreement.

2.We.....(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on demand from the government stating that the amount claimed is by way of loss or damage caused to or suffered by the Government by reason of breach by the said contractor/s of any of the terms or conditions contained in the said agreement or by reasons of the contractor/s failure to perform the Agreement, any such demand made on the bank shall be conclusive as regards the amount due and payable to the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....

3.We undertake to pay to the Government any money so demanded not withstanding any dispute or disputes raised by the contractor(s) /supplier(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s)/suppliers(s) shall have no..... against us for making such payment.

Dy. Chief Project Manager-Civil

उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड

वडोदरा / Vadodara
Signature of Tenderer


4. We,(indicate the name of the bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement, including maintenance/Warranty period, and that it shall continue to be enforceable till the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till..... office/Department) NHRCL certifies that the terms and conditions of Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharged this guarantee, unless a demand or claim under this guarantee is made on us in writing on or before the.....we shall discharged from all liability under this guarantee thereafter.

5. We,(indicate the name of the Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone from any time or from time to time any of the powers exercisable by the Government against the said contract and to forebear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reasons of any such variation, or extension being granted to the contractor/s or for any forbearance act or omission on the part of the government or indulgence by the Government to the said contractor(s) or such any matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the bank or the Contractor(s)/Supplier(s).

7. We,(indicate the name of Bank)undertake not to revoke this guarantee during its currency except with the previous consent of the Government in writing.

Dated this.....day of.....2019.


Dy. Chief Project Manager-Civil
उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड
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SPECIAL CONDITIONS & SPECIFICATION OF CONTRACT PART I

1. Variation in quantities during execution of Works Contracts Reference Railway Boards Letter No. 2007/CE-/CT18 dated 28.09.2007)

New Clause 42(4) to Indian Railways General Conditions of Contract (Ref.: Item-9 to Railway Board's letter No.2007ICE-I/CT/18, dated 28.09.2007 and Item-2 to letter No. 2007 ICE.I/CT 118 Pt. XIII, dated 31.12.2010)

The procedure detailed below shall be adopted for dealing with variations in quantities during execution of works contracts:

1.1 Individual NS items in contracts shall be operated with variation of plus or minus 25% and payment would be made as per the agreement rate. For this, No finance concurrence would be required.

1.2 In case an increase in quantity of an individual item by more than 25% of the agreement quantity is considered unavoidable, the same shall be got executed by floating a fresh tender. If floating a fresh tender for operating that item is considered not practicable, quantity of that item may be operated in excess of 125% of the agreement quantity subject to the following conditions:

(a) Operation of an item by more than 125% of the agreement quantity needs the approval of an officer of the rank not less than S.A. Grade;

(i) Quantities operated in excess of 125% but up to 140% of the agreement quantity of the concerned item, shall be paid at 98% of the rate awarded for that item in that particular tender;

(ii) Quantities operated in excess of 140% but up to 150% of the agreement quantity of the concerned item shall be paid at 96% of the rate awarded for that item in that particular tender;

(iii) Variation in quantities of individual items beyond 150% will be prohibited and would be permitted only in exceptional unavoidable circumstances with the concurrence of associate finance and shall be paid at 96% of the rate awarded for that item in that particular tender.


(b) The variation in quantities as per the above formula will apply only to the individual items of the contract and not on the overall contract value.

(c) Execution of quantities beyond 150% of the overall agreemental value should not be permitted and, if found necessary, should be only through fresh tenders or by negotiating with existing contractor, with prior personal concurrence of FA&CAO / FA&CAO(C) and approval of General Manager.

Dy. Chief Project Manager-Civil

उप मुख्य परियोजना प्रबंधक-सिविल
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- 1.3** In cases where decrease is involved during execution of contract:
- (a) The contract signing authority can decrease the items up to 25% of individual item without finance concurrence.
- (b) For decrease beyond 25% for individual items or 25% of contract agreement value, **the approval of an NHSRCL officer not less than rank of S.A. Grade may be taken, after obtaining 'No Claim Certificate'** from the contractor and with finance concurrence, giving detailed reasons for each such decrease in the quantities.
- (c) It should be certified that the work proposed to be reduced will not be required in the same work.
- 1.4** The limit for varying quantities for minor value items shall be 100 % (as against 25% prescribed for other items). A minor value item for this purpose is defined as an item whose original agreement value is less than 1% of the total original agreement value.
- 1.5** No such quantity variation limit shall apply for foundation items.
- 1.6** As far as SOR items are concerned, the limit of 25% would apply to the value of SOR schedule as a whole and not on individual SOR items. However, in case of NS items, the limit of 25% would apply on the individual items irrespective of the manner of quoting the rate (single percentage rate or individual item rate).
- 1.7** The aspect of vitiation of tender with respect to variation in quantities should be checked and avoided. In case of vitiation of the tender (both for increase as well as decrease of value of contract agreement), sanction of the competent authority as per single tender should be obtained.
- 2.** The work is required to be completed within the completion period as mentioned in notice inviting tenders from the date of letter of acceptance of tender.
- 3.** The contractor shall be required to maintain the work satisfactorily in all respect for a period of **Six month from the date of completion of work** and issue of completion certificate by the sub-ordinate in charge of the work, in terms of claim of General Conditions of Contract. Failing sub administration to keep the structure in style stated as above will be recovered from the security deposit of this work or any other work.
- 4.** Taxes as applicable from time to time will be deducted from Contractor's running and final bills as per extent rules.
- (a) If extra steel for reinforcement over that in drawing or any extra quantity of a cement over to the standard scale has to be issued to the contractor, due to unreasonable waste, bad workmanship or any other similar cause, the cost of such extra cement and steel will be recovered from the contractor at **DOUBLE** the rate as increased by freight handling, supervision and other charges as per extent rules. **Chief Project Manager-Civil**



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- (b) This formula will also be applied for less utilization of cement/steel.
5. Measurements signing measurements billing comprising to settle to relinquish any claim preferred by the firm and sign 'NO CLAIM CERTIFICATE'.
6. (i) The provision of clause 63 & 64 to the General Conditions of Contract will be applicable only for the settlement of claims or disputes between the parties for values less than or equal to 20% of the value of the contract provisions of clause 63 & 64 and
(ii) When the claim of disputes are of value more than 20% the value of the contract, other relevant clause of the General Conditions of Contract will not be applicable and arbitration will not be a remedy for settlement of such dispute.
7. The special condition 6(i) and (ii) shall prevail over existing clause 63 of the General Conditions of Contract.
8. "If any dispute arises between the parties with respect to this agreement, any application or suit shall be instituted only in the Court with the local limits of whose jurisdiction, the Chief Project Manager, National High Speed Rail Corporation Limited (NHSRCL), Vadodara is situated & both the parties shall be bound by this clause."
9. In every case in which the virtue of the provisions of section 12 sub-section (-) of The workmen's compensation Act 1973 NHSRCL is obliged to pay the compensation to workmen employ by the contractor and supplied to the NHSRCL for executing the work. NHSRCL will recover from the contractor the amount of compensation so paid without prejudice to the right of NHSRCL deducting from Security Deposit or and such due to the contractor weather under this contract otherwise, NHSRCL will not bound to contest any claim made against it under this contract otherwise. NHSRCL will not bound to contest any claim made against it under section-2 sub-section (1) of the said Act except on the written request of the contractor and upon his giving to NHSRCL full security for all cost for which NHSRCL might become liable in consequence of any tendering and such claim.

10. Cess Charges.

- (a) For contractor's labour employed/residing at station and colonies where NHSRCL sanitary facilities exist; contractor(s) will be required to pay cess charges as per rules in force on the NHSRCL from time to time.
- (b) For labour working between stations or at isolated place where NHSRCL facilities for their labour in terms of clause 59(4) of the General Conditions of Contract in case of any failure of his/their part, the necessary facilities shall be provided by the NHSRCL administration at the cost of contractor(s) and expenditure thus incurred will be recovered from his/their bills.

Dy. Chief Project Manager-Civil
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राष्ट्रीय उच्च गति रेल निगम लिमिटेड
वडोदरा / Vadodara



Signature of Tenderer

11. Drinking Water.

- (a) The tenderer shall provide and maintain at suitable place at easily accessible to labour a sufficient supply of water fit for drinking.
- (b) The contractor(s) shall make his/their own arrangement for people and water Supply required for the execution of the work as well as for this labour.

12. Contractor's responsibility to arrange Tools, Plants, Machinery etc:-The contractor should make their own arrangements for all plants and tools required for the successful completion of the work in time.

13. Material supplied by NHRCL:-Tenderer shall be responsible to see that the material such as cement, steel etc. supplied by the administration are utilizing for the sole purpose, for which they have been issued to him, failing which, he is liable to dealt according to law for any misuse of these commodities by himself, his agents or workmen, etc.

14. 'A'. Clause 26A to GCC: Deployment of qualified Engineers at works sites by the contractor.

In item of provision of new clause 26A1 of General Conditions of contract vide Railway Board letter No.2012/CE-I/CT/0/20 dated 10.05.2013 circulated vide PCE/CCG letter No.W/118/0 Vol.V (W6) dated 03.06.2013, the contractor shall employ qualified graduate engineer or qualified diploma holder engineer during the execution of work as per below:


- (a) One qualified graduate engineer when cost of work to be executed is Rs.200 lakhs and above, and**
- (b) One qualified diploma holder engineer when cost of work to be executed is more than Rs.25 lakhs, but less than Rs.200 lakhs.**

In case the contractor fails to employ the qualified engineer, as aforesaid in Para 14A (a) & (b) above, he, in terms of provisions of clause 26A.2 to the General conditions of contract, shall be liable to pay an amount of Rs.40,000 and Rs.25,000 for each month or part thereof for the default period for the provisions, as contained in Para 14A (a) and (b) above respectively.

The contractor would be required to furnish the name, with complete bio data including the work experience of the Engineer/Supervisor to the Divisional/Executive Engineer in charge of work, for his approval.

The technical supervisor given above shall be available at site during the execution of work to ensure quality, quantity of work as also ensure safety as work site and that of the workers and whenever required by the Engineer incharge, to take instructions.

The Assistant Engineer shall record in the measurement book in each running bill/final bill, the certificate to the effect that the contractor has employed the requisite technical


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Engineer/Supervisor as per the norms stipulated in the contract and for his/their absence necessary recovery has been made from the contractor's bill.

15. Wages To Labour: (GCC Clause 54) - The Contractor shall be responsible to ensure compliance with the provision of the Minimum Wages Act, 1948 (hereinafter referred to as the "said Act" and the Rules made thereunder in respect of any employees directly or through petty contractors or subcontractors employed by him on road construction or in building operations or in stone breaking or stone crushing for the purpose of carrying out this contract.

If, in compliance with the terms of the contract, the Contractor supplied any labour to be used wholly or partly under the direct orders and control of the NHRCL whether in connection with any work being executed by the Contractor or otherwise for the purpose of the NHRCL such labour shall, for the purpose of this Clause, still be deemed to be persons employed by the Contractor.

If any moneys shall, as a result of any claim or application made under the said Act be directed to be paid by the NHRCL, such money shall be deemed to be moneys payable to the NHRCL by the Contractor and on failure by the Contractor to repay the NHRCL any moneys paid by it as aforesaid within seven days after the same shall have been demanded, the NHRCL shall be entitled to recover the same from any moneys due or accruing to the contractor under this or any other Contract with the NHRCL.

16. Apprentices Act: (GCC Clause 54-A)

The Contractor shall be responsible to ensure compliance with the provisions of the Apprentices Act, 1961 and the Rules and Orders issued thereunder from time to time in respect of apprentices directly or through petty contractors or sub-contractors employed by him for the purpose of carrying out the Contract.

If the contractor directly or through petty contractors or sub-contractors fails to do so, his failure will be a breach of the contract and the NHRCL may, in its discretion, rescind the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation of the provisions of the Act.

Note: The contractors are required to engage apprentices when the works undertaken by them last for a period of one year or more and/or the cost of works is rupees one lakh or more.

17. Provisions of Payments of Wages Act: (GCC Clause 55) The Contractor shall comply with the provisions of the Payment of Wages Act, 1936 and the rules made thereunder in respect of all employees employed by him either directly or through petty contractors or sub-contractors in the works. If in compliance with the terms of the contract, the Contractor directly or through petty contractors or sub-contractors shall supply any labour to be used wholly or partly under the direct orders and control of the Engineer whether in connection with the works to be executed hereunder or otherwise for the purpose of the Engineer, such labour shall never the less be deemed to comprise persons employed by the contractor and any moneys which may be ordered to be paid by the Engineer shall be deemed to be moneys payable by the Engineer on behalf of the

Contractor and the Engineer may on failure of the Contractor to repay such money to the NHSRCL deduct the same from any moneys due to the Contractor in terms of the contract. The NHSRCL shall be entitled to deduct from any moneys due to the contractor (whether under this contract or any other contract) all moneys paid or payable by the NHSRCL by way of compensation of aforesaid or for costs of expenses in connection with any claim thereto and the decision of the Engineer upon any question arising out of the effect or force of this Clause shall be final and binding upon the Contractor.

18. PROVISION OF CONTRACT LABOUR (REGULATION AND ABOLITION) ACT 1970. (GCC Clause 55-A)

18.1 The Contractor shall comply with the provisions of the contract labour (Regulation and Abolition) Act 1970 and the contract labour (Regulation and Abolition) central rules 1971 as modified from time to time. Whenever applicable and shall also identify the NHSRCL from and against any claims under the aforesaid Act and the Rules.

18.2 The contractor shall obtain a valid licensee under the aforesaid Act as modified from time to time before the commencement of the work and continue to have a valid license until the completion of the work. Any failure to fulfill this requirement shall attract the penal provision of the contract arising out of the resultant non-execution of the work.

18.3 The contractor shall pay to employed by him directly or through sub-contractor the wages as per provision of the aforesaid Act and the Rules wherever applicable. The contractor shall not be withholding the provision of the aforesaid Act and Rule wherever applicable. The contractor shall not be withholding the provision of the contract to the country, cause to be paid the wages to labour indirectly engaged on the work including any engaged by his sub-contractor in connection with the said works, as if the labour had been immediately employed by him.

18.4 In respect of all labour directly or indirectly employed in the work performance of the contractor's part of the contract, the contractor shall comply with or cause to be complied with provision of the aforesaid Act and Rules wherever applicable.

18.5 In every case which may virtue of the provision of the aforesaid Act and Rules, the **NHSRCL is obliged to pay amount of wages to a workman employed by the contractor** or his sub-contractor in execution of the work or to incur any expenditure in providing welfare and health amenities required to provide under the aforesaid Act and Rules or to incur expenditure on account of the contingent liability of the NHSRCL due to the contractor's failure to fulfill his statutory obligations under the aforesaid Act and Rules the NHSRCL will recover from the contractor, the amount of wages so paid or the amount of expenditure so incurred and without prejudice to the right of NHSRCL under section 20, sub section (2) and section 21, sub section(4) of the aforesaid Act, the NHSRCL shall be at liberty to recover such amount or part thereof by deducting the security deposit and/or from any sum due by the NHSRCL to the contractor whether the contractor or otherwise.

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18.6 The NHRCL shall not be bound to contest any claim made against it under sub-section (1) of section 20 and sub-section (4) of section 21 of the aforesaid Act except on the written request of the contractor and upon his giving to the NHRCL might become liable in contesting such claim. The decision of the NHRCL regarding the amount actually recoverable from the contractor as stated above shall be final and binding on contractor.

19. Provisions of Employees' Provident Fund and Miscellaneous Provisions Act 1952 (GCC Clause 55-B)- In reference to Railway Board's Letter No.2012/CE-1/CT/0/22 dated 14-12-2012 circulated vide PCE / CCG's letter No.W.118/0/Vol.V (W.6) dated 01.01.2013, the contractor shall comply with the provisions of Para 30 and 36 - B, of the Employer's Provident Fund Scheme 1952 : Para 3 and 4 of Employees' Pension Scheme 1995 and Para 7 & 8 of Employees' Deposit Linked Insurance Scheme 1976 as modified from time to time through enactment of "Employees Provident Fund and Miscellaneous Provisions Act 1952, where ever applicable and shall also indemnify the NHRCL from and against any claims under the aforesaid Act and the rules"

20. Implementation of building and other construction workers (RECS) act 1996 and the building and other construction workers welfare cess act 1996 in Railway contracts (GCC Clause 55-C)

As per Railway Board letter circular No. 2008/CE-1/CT/6 dated 09.07.2008 circulated vide Western Railway Head Quarter office Churchgate letter No. W.118/0 Vol.III (W6) dated 24.07.2008 and further amended vide board letter No 2008/GE-1/ CT/6 Dt 29.11.13 circulated vide PCE/CCG.s letter No W/118/0 Vol -VI (W6) Dt. 26.12.13

"The tenderers for carrying out any construction work must get themselves registered from the Registering Officer under Section 7 of the Building and Other Construction Workers Act, 1996" and rules made thereto by the concerned State Govt. and submit certificate of Registration issued from the Registering Officer of the concerned State Govt. (Labour Dept.) As per this Act, the tenderer shall be levied a cess @ 1% of cost of construction work, which would be deducted from each bill. Cost of material, when supplied under a separate schedule item, shall be outside the purview of cess".

21. Reporting Of Accidents: (GCC Clause 56) The Contractor shall be responsible for the safety of all employees directly or through petty contractors or sub-contractor employed by him on the works and shall report serious accidents to any of them however and wherever occurring on the works Indian Railways Standard General Conditions Of Contract As On 30th June 2014 Page 51 to the Engineer or the Engineers Representative and shall make every arrangements to render all possible assistance.

22. Provision Of Workmen's Compensation Act : (GCC Clause 57) In every case in which by virtue of the provisions of Section 12 Sub-Section (1) of the Workmen's Compensation Act 1923, NHRCL is obliged to pay compensation to a workman directly or through petty contractor or subcontractor employed by the Contractor in executing the work, NHRCL will recover from the Contractor the amount of the compensation so paid, and, without prejudice to the rights of NHRCL under Section 12 Sub-section (2) of the said Act, NHRCL

shall be at liberty to recover such amount or any part thereof by deducting it from the Security Deposit or from any sum due by NHRCL to the Contractor whether under these conditions or otherwise, NHRCL shall not be bound to contest any claim made against it under Section 12 Sub-Section (1) of the said Act except on the written request of the Contractor and upon his giving to NHRCL full security for all costs for which NHRCL might become liable in consequence of contesting such claim.

- 23. Provision Of Mines Act : (GCC Clause 57-A)** The Contractor shall observe and perform all the provisions of the Mines Act, 1952 or any statutory modifications or re-enactment thereof for the time being in force and any rules and regulations made thereunder in respect of all the persons directly or through the petty contractors or sub-contractors employed by him under this contract and shall indemnify the NHRCL from and against any claims under the Mines Act, or the rules and regulations framed thereunder, by or on behalf of any persons employed by him or otherwise.
- 24. NHRCL Not To Provide Quarters For Contractors: (GCC Clause 58)** No quarters shall normally be provided by the NHRCL for the accommodation of the Contractor or any of his staff employed on the work. In exceptional cases where accommodation is provided to the Contractor at the NHRCL's discretion, recoveries shall be made at such rates as may be fixed by the NHRCL for the full rent of the buildings and equipments therein as well as charges for electric current, water supply and conservancy.
- 25. Labour Camps : (GCC Clause 59 (1))** The Contractor shall at his own expense make adequate arrangements for the housing, supply of drinking water and provision of latrines and urinals for his staff and workmen, directly or through the petty contractors or sub-contractors and for temporary creche (Bal-mandir) where 50 or more women are employed at a time. Suitable sites on NHRCL land, if available, may be allotted to the Contractor for the erection of labour camps, either free of charge or on such terms and conditions that may be prescribed by the NHRCL. All camp sites shall be maintained in clean and sanitary conditions by the Contractor at his own cost.
- 26. Compliance To Rules For Employment Of Labour : (GCC Clause 59(2))** The Contractor(s) shall conform to all laws, bye-laws rules and regulations for the time being in force pertaining to the employment of local or imported labour and shall take all necessary precautions to ensure and preserve the health and safety of all staff employed directly or through petty Contractors or Sub Contractors on the works.
- 27. Preservation Of Peace: (GCC Clause 59(3))** The Contractor shall take requisite precautions and use his best endeavours to prevent any riotous or unlawful behaviour by or amongst his workmen and other employed directly or through the petty contractors or sub-contractors on the works and for the preservation of peace and protection of the inhabitants and security of property in the neighbourhood of the works. In the event of the NHRCL requiring the maintenance of a special Police Force at or in the vicinity of the site during the tenure of works, the expenses thereof shall be borne by the Contractor and if paid by the NHRCL shall be recoverable from the Contractor.



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Signature of Dy. Chief Project Manager-Civil
Vadodara

- 28. Sanitary Arrangements: (GCC Clause 59(4))** The Contractor shall obey all sanitary rules and carry out all sanitary measures that may from time to time be prescribed by the NHRCL Medical Authority and permit inspection of all sanitary arrangements at all times by the Engineer, the Engineer's Representative or the Medical Staff of the NHRCL. Should the Contractor fail to make the Indian Railways Standard General Conditions of Contract as On 30th June 2014 Page 52 adequate sanitary arrangements, these will be provided by the NHRCL and the cost therefore recovered from the Contractor.
- 29. Outbreak Of Infectious Disease: (GCC Clause 59(5))** The Contractor shall remove from his camp such labour and their families as refuse protective inoculation and vaccination when called upon to do so by the Engineer or the Engineer's Representative on the advice of the NHRCL, Medical Authority. Should Cholera, plague, or other infectious disease break out, the Contractor shall burn the huts, beddings, clothes and other belongings of or used by the infected parties and promptly erect new huts on healthy sites as required by the Engineer, failing which within the time specified in the Engineer's requisition, the work may be done by the NHRCL and the cost therefore recovered from the Contractor.
- 30. Treatment Of Contractor's Staff In Railway Hospitals : (GCC Clause 59(6))** The Contractor and his staff, other than labourers and their families requiring medical aid from the Railway Hospital and dispensaries will be treated as private patients and charged accordingly. The Contractors' labourers and their Families will be granted free treatment in Railway Hospitals and dispensaries where no other Hospitals or dispensaries are available provided the Contractor pays the cost of medicines, dressing and diet money according to the normal scale and additional charges for special examinations such as pathological and bacteriological examination, X-Ray, etc. and for surgical operation.
- 31. Medical Facilities At Site: (GCC Clause 59(7))** The Contractor shall provide medical facilities at the site as may be prescribed by the Engineer on the advice of the Railway Medical Authority in relation to the strength of the Contractor's resident staff and workmen.
- 32. Use Of Intoxicants: (GCC Clause 59(8))** The sale of ardent spirits or other intoxicating beverages upon the work or in any of the buildings, encampments or tenements owned, occupied by or within the control of the Contractor or any of his employees shall be forbidden and the Contractor shall exercise his influence and authority to the utmost extent to secure strict compliance with this condition.
- 33. Restrictions On The Employment Of Retired Engineers Of Railway Services Within Two Years Of Their Retirement : (GCC Clause 59(10))** The Contractor shall not, if he is a retired Government Engineer of Gazetted rank, himself engage in or employ or associate a retired Government Engineer of Gazetted rank, who has not completed two years from the date of retirement, in connection with this contract in any manner whatsoever without obtaining prior permission of the President and if the Contractor is found to have contravened this provision it will constitute a breach of contract and administration will be entitled to terminate the contract at the risk and cost of the contractor and forfeit his Security Deposit.



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Signature of ~~Tender~~ Vadodara

- 34. Non-Employment Of Labourers Below The Age Of 15: (GCC Clause 60(1))** The Contractor shall not employ children below the age of 15 as labourers directly or through petty contractors or subcontractors for the execution of work.
- 35. Medical Certificate Of Fitness For Labour : (GCC Clause 60(2))** It is agreed that the contractor shall not employ a person above 15 and below 19 years of age for the purpose of execution of work under the contract unless a medical certificate of fitness in the prescribed form (Proforma at Annexure-VIII) granted to him by a certifying surgeon certifying that he is fit to work as an adult, is obtained and kept in the custody of the contractor or a person nominated by him in this behalf and the person carries with him, while at work; a token giving a reference to such certificate. It is further agreed that the responsibility for having the adolescent examined medically at the time of appointment or periodically till he attains the age of 19 years shall devolve entirely on the contractor and all the expenses to be incurred on this account shall be Indian Railways Standard General Conditions Of Contract As On 30th June 2014 Page 53 borne by him and no fee shall be charged from the adolescent or his parent for such medical examination.
- 36. Period Of Validity Of Medical Fitness Certificate: (GCC Clause 60(3))** A certificate of fitness granted or renewed for the above said purposes shall be valid only for a period of one year at a time. The certifying surgeon shall revoke a certificate granted or renewed if in his opinion the holder of it is, no longer fit for work in the capacity stated therein. Where a certifying surgeon refuses to grant or renew a certificate or revoke a certificate, he shall, if so required by the person concerned, state his reasons in writing for doing so.
- 37. Medical Re-Examination Of Labourer : (GCC Clause 60(4))** Where any official appointed in this behalf by the Ministry of Labour is of the opinion that any person employed in connection with the execution of any work under this contract in the age group 15 to 19 years is without a certificate of fitness or is having a certificate of fitness but no longer fit to work in the capacity stated in the certificate, he may serve on the Contractor, or on the person nominated by him in this regard, a notice requiring that such persons shall be examined by a certifying surgeon and such person shall not if the concerned official so directs, be employed or permitted to do any work under this contract unless he has been medically examined and certified that he has been granted a certificate of fitness or a fresh certificate of fitness, as the case may be.
- EXPLANATIONS :** (1) Only Qualified Medical Practitioners can be appointed as "Certifying Surgeons" and the term "Qualified Medical Practitioners" means a person holding a qualification granted by an authority specified in the Schedule to the Indian Medical Degrees Act, 1916 (VII to 1916) or in the Schedule to the Indian Medical Council Act, 1933 (XXVII) of 1933. (2) The Certifying surgeon may be a medical officer in the service of State or Municipal Corporation.
- 38.** The NHRCL will not acquire any land for the purpose of movement of vehicle of the contractor's in doing earthwork.
- 39.** All the available vehicles and equipment of the contractor can be drafted by the NHRCL Administration in case of accidents/natural calamities involving human lives. The



payment for such drafting shall be made according to the rates as shall be fixed by the Engineer. However, if the contractor is not satisfied with the decision of the Engineer in this respect he may appeal to the chief engineer within 30 days of getting the decision of the engineer, supported by analysis of the rates claimed. The Chief Engineer's decision after hearing both the parties in the matter would be final and binding on the Contractor and the NHSRCL.

40. Arbitration clause:- Modified Clause 64 of General Condition of contract -2014 for implementation of Arbitration and Conciliation (Amendment) Act-2015 shall be applicable.

41. The payment of contractor shall be made through Electronic Fund transfer (EFT) or Electronic Clearing System(ECS) for which Parties tendering should provide the details of bank account in line with RBI guidelines for the same. These details will be include Bank Name, Branch name and address, Account type, Bank Account No. and Bank and Branch code as appearing in the MICR cheque issued by the bank. The tenderer(s) should also attach certificate from their bank certifying the correctness of all the above mentioned information. If the tender(s) is maintaining account with bank branches having no IFSC code, may get their account transferred to bank branches having IFSC code so that payment can be made through NEFT/RTGS mode.

The above details is required to be submitted by the contractors before signing of contract agreement in the format provided in Annexure 'A'.


Address:-

.....

Signature of Tenderer

.....

Dated:-


Dy. Chief Project Manager-Civil
उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड
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Signature of Tenderer

Annexure 'A'

FORMAT FOR PAYMENT THROUGH "NEFT/RTGS" SYSTEM
CONTRACTOR/VENDOR PAYMENT


Sr. No.	Name of Party	Detail given by contractor/Vender
1	Work/Supply order No.	
2	Date	
3	Name of Bank	
4	Address	
5	Name of Bank Branch	
6	Address	
7	Place	
8	Account Number	
9	MICR Code	
10	IFS Code	
11	Mobile No (for SMS)	
12	E-Mail ID	
13	PAN Number	

Note:-

-Please attached Xerox copy of 1st page of pass book (Containing account number, name of account holder, branch name) and Xerox of one blank cheque (for IFS code) to ensure the prompt payment.

-Form should be filling up in two copies.

Signature
AUTHORISED SIGNATORY

Dy. Chief Project Manager-Civil
उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
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Signature of Tenderer

Goods & Service Tax (GST) Act – 2017.

1. In terms of Railway Board's letter No. 2017/CE-I/CT/4/GST dated 23.06.2017

“Subsequent to the enactment of GST Act, Board (ME) has approved modification to para (a) of Clause 6, Part-I of Indian Railways Standard General Conditions of Contract, July 2014. The revised para (a) of clause 6 shall be read as under: -

Care In Submission Of Tenders:

(i) Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all-inclusive to accord with the provisions in Clause – 37 of the Standard General Conditions of Contract for the completion of works to the entire satisfaction of the Engineer.

(ii) Tenderers will examine the various provision of the Central Goods and Services Tax Act, 2017(CGST)/Integrated Goods and Services Tax Act, 2017(IGST)/Union Territory Goods and Services Tax Act, 2017(UTGST)/respective state's State Goods and Services Tax Act (SGST) also, as notified by Central/Stage Govt. and as amended from time to time and applicable taxes before bidding. Tenderers will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates.

(iii) The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to NHRCL immediately after the award of contract, without which no payment shall be released to the contractor. The contractor shall be responsible for deposition of applicable GST to the concerned authority.


(iv) In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/SGST Act, the NHRCL shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority.

2. In terms of Railway Board's letter No. 2016/CE-I/CT/12/GST/Pt.I dated 29.6.17

“On Indian Railways presently ‘work executed by contractor’ is recorded in measurement books by railway, duly accepted by contractor. Railway prepares ‘on account/final contract certificate’ for the payable amount based on the work executed and the rates quoted by the contractor duly deducting various statutory taxes like – work contract tax/service tax/royalties/income tax etc. as per applicable rates. Further, railways deposit the statutory deductions themselves to the concerned authorities.

With GST Act in force, it will be the responsibility of service providers (i.e. contractors) to submit the invoice (bill) duly segregating the GST component from the Gross amount of work executed.

Railways are therefore advised to follow the procedure as mentioned below while dealing with contractor's payment, once GST is applicable:


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(i) All works contracts are to be provided with goods/service code based on the type of contract. In case contract consists of both goods & service, then interpretation regarding nature of contract shall be done as per clause 8, Chapter III of CGST Act, 2017. The goods/service code is notified by Ministry of Finance and can be downloaded from the website www.cbec.gov.in.

(ii) The 'on account/final contract certificate' shall be prepared by the Railway on the basis of quantity of work executed and agreemental rates, duly segregating the GST component as detailed in para (iii) below.

(iii) Since the agreemental rates of contracts are inclusive of all taxes as per clause 37 of GCC 2014, the calculation of 'Gross amount of work executed'. 'Amount of work executed excluding GST amount' and 'GST amount' in the 'on account/final contract certificate' shall be done as under:-

Let Z = Gross amount of work executed on the basis of quantum of work executed and agreemental rates.

X = Amount of work executed excluding GST amount.

Y = GST amount as per applicable GST rate for that goods/service code.

R = Percentage rate of GST for that goods/service code.

Then, Z = X+Y, Y=X *R/100.

(iv) Percentage rate of GST for various types of goods/services as finalized by GST council can be downloaded from the website www.cbec.gov.in.

(v) Once the 'on account/final contract certificate' is prepared by NHRCL and communicated to contractor, the contractor shall submit invoice (bill) on his Letter head duly segregating the 'Amount of work executed excluding GST amount' and 'GST amount' (i.e. 'X' & 'Y' as mentioned in para 3(A)(iii) (above) along with Invoice No. (bill No) and all other details required under GST Act. The sample GST compliant invoice is annexed herewith.

(vi) In case contractor is liable to be registered under GST Act, NHRCL shall pay to the Contractor 'Gross amount of work executed' (i.e. "Z" as mentioned in para 3A(III)above) duly deducting all other leviable taxes like I/Tax, labour cess, royalty etc. as applicable. Contractor shall be liable to pay 'GST amount' to respective authority himself. Whereas, NHRCL shall deposit all other taxes deducted to concerned authority as is being done presently.

(vii) In case contractor is not liable to be registered under GST Act, contractor shall be paid 'Amount of work executed excluding GST amount "(i.e. "X" as mentioned in para 3A (iii) above) duly deducting all other leviable taxes like I/Tax, labour cess, royalty etc. as applicable. NHRCL shall deposit 'GST amount' as well as all other taxes deducted to concerned authority.

(viii) In case any need arises to modify the Invoice (Bill) due to any reason, contractor shall submit amended fresh invoice for processing the payment.



ANNEXURE

1	Supplier Name
2	Supplier GSTIN
3	Invoice No.
4	Invoice Issue Date
5	Total Value
6	Taxable Value
7	Goods A/C HSN, Service Accounting Code.
8	Goods and Services Description
9	Unit Qty. Code
10	Quantity
11	Rate
12	Whether eligible for ITC -- Partial/Full/NIL
13	IGST Rate
14	IGST Charged Amount
15	CGST Rate
16	CGST Charged Amount
17	SGST/UGST Rate
18	SGST Charged Amount
19	Cess Rate
20	Cess Charged Amount
21	Name/Recipient of Service / Goods
22	Place of Supply
23	Recipient GSTIN
24	Tax Payable on Reverse Charge Basis(Y/N)
25	TDS.



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CONDITIONS FOR USSOR-2011 ITEMS OF SCHEDULE-I
SPECIFICATION OF CEMENT

- (A) The cement used shall be any of the following and type selected should be appropriate for the intended use.
- (i) 33 Grade Ordinary Portland Cement conforming to IS:269
 - (ii) 43 Grade Ordinary Portland Cement conforming to IS:8112
 - (iii) 53 Grade Ordinary Portland Cement conforming to IS:12269
 - (iv) Rapid hardening Portland Cement conforming to IS:8041
 - (v) Portland slag cement conforming to IS:455
 - (vi) Portland pozzolana Cement (Fly ash based) conforming to IS:1489(Part-1)
 - (vii) Portland pozzolana Cement (calcined clay based) conforming to IS:1489(Part-2)
 - (viii)Hydrophobic Cement Conforming to IS:8043
 - (ix) Low heat Portland cement conforming to IS:12600
 - (x) Sulphate resisting Portland cement conforming to IS:12330

Note:-Portland pozzolana Cement shall not be used for PSC Works.

- (B) The cement shall be packed in jute sacking bags conforming to IS:2580-1982, double hessian bituminised (CRI type) or woven HDPE conforming to IS:11652-1986 woven polypropylene conforming to IS:11653-1986, jute synthetic union conforming to IS:12174-1987, or any other approved composite bags, bearing the manufacturers name or his registered trade mark if any, and grade and type of cement.
- (C) Every delivery of cement shall be accompanied by a producer's certificate confirming that the supplied cement confirms to relevant specification. These certificates shall be endorsed to the Engineer for his record. Certified copy of the same shall be submitted to NHRCL office along with running bills/final bills.
- (D) Every consignment of cement must have identification marks on packages indicating date of manufacture and grade and type of cement. Cement when brought to work shall not be more than 6 weeks old from the date of manufacture. In case due to some reason it is not possible to use the cement within three months then it should be ensured that older lot is used in the lean concrete or other unimportant items of work. Effective precautionary measures shall be taken to eliminate dust nuisance during loading or transferring cement. The procurement of cement shall be planned by the contractor this does not affect the progress of work.
- (E) Cement in bags shall be stored and stacked in a shed which is dry, leak proof and as moisture proof as possible. Flooring of the shed shall consist of the two layers of dry bricks laid on well consolidated earth to avoid contact of cement bags with the floor. Stacking shall be done about 150 to 200mm clear above the floor using wooden planks, old wooden sleepers or scrap GI sheets. Cement bags shall be stacked at least 450mm clear of the walls and in rows of two bags leaving in a space of at-least 600mm between two consecutive rows. In each row the cement bags shall be kept close together so as to reduce air circulation. Stacking shall not be more than 10 bags high to avoid lumping

under pressure. In stacks more than eight bags high, the cement bags shall be arranged in header and stretcher fashion, i.e. alternately lengthwise and crosswise so as to tie the stacks together and minimize the danger of toppling over.

- (F) Different type of cement shall be stacked and stored separately. Cement bags shall be stacked in a manner to facilitate their removal and use in the order in which they are received. For extra safety during monsoon, or when cement is expected to be stored for an unusually long period, each stack shall be completely enclosed by a water proofing membrane, such as polyethylene/tarpaulin, which shall cover the top of the stack. Care shall be taken to see that the water proofing membrane is not damaged at any time during use. Cement which is set or partially set should on no account be used. Storage of cement at the worksite shall be at the contractor's expense and risk. Any damage occurring to cement due to faulty storage in contractor's shed or on account of negligence on his part shall be the liability of the contractor.
- (G) After receipt of each lot of cement at godown a sample of cement at the direction of Engineer in charge shall be tested at contractor's own cost for (a) Fineness, (b) Soundness, (c) Setting time (initial and Final), (d) Compressive strength & (e) consistency of standard cement paste as prescribed in IS code) IS:4031 Part-II, Part-III, Part-V & Part-VI for each lot or every 50 tonnes or part thereof. Only on receipt of satisfactory certificates this cement shall be allowed to be used on the work. Certified copy of the same shall be submitted to NHRCL office along with running bills/final bills.
- (H) Cement shall be procured/purchased from cement factories/authorized dealers/retailers from various popular brands e.g. ACC, Shriram Cement, JK Cement, Ultratech, The contractor shall have to submit the cash memo along with the lot of cement purchased from the various cement factories/authorized dealers/retailers to Engineer in Charge in token proof of purchase of cement from reputed cement factories/authorized dealers/retailers. No cement shall accepted by the Engineer in Charge without cash memo. Certified copy of the same shall be submitted to NHRCL along with running bills/final bills.
- (I) Although cement payment is in MT as per item of tender, total quantities so paid shall be limited to quantity actually used in work, subject to further not exceeding the quantity laid down in Indian Railway Unified Standard Specifications (Works and Materials) Vol. I & II whichever is less.
- (J) No payment shall be made for the cement used in works rejected by Engineer. All empty bags shall be taken away by the contractor after use of cement and cost of empty cement bags shall not form part of quoted rates against the item of cement.
- (K) Cement consumption register shall be meticulously maintained giving quantity of work done/consumption of cement of each day.
- (L) Cement bags left after completion of work shall be taken away by the contractor and Railway shall not make any payment against these bags.



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SPECIFICATION OF STEEL ITEMS
REINFORCEMENT STEEL (TMT BARS) AND STRUCTURAL STEEL

- (A) All Reinforcement Steel (TMT Bars) and structural Steel shall be procured as per specifications mentioned in BIS's documents-IS:1786 and IS:2062 respectively. Independent tests shall be conducted, wherever required, to ensure that the materials procured conform to the specifications.
- (B) Steel shall be procured only from those firms, which are established, reliable, indigenous and Primary producers of steel, having integrated steel plants (ISP), using iron ore as the basic raw material and having in-house iron rolling facilities, following by production of liquid steel and crude steel, as per Ministry of Steel's guidelines e.g., "SAIL/TISCO/JINDAL/RINL/ ESSAR / IISCO/SRMB/JINDAL PANTHER".
- (C) However, only certain isolated sections of structural steel, not being rolled by ISPs, can be procured from the authorized re-rollers of ISPs or authorized licensee of BIS having traceability system and who use billets produced by ISPs.
- (D) The steel procured shall be reasonably free from cracks, surface flaws, laminations, rough and imperfect edges and all other harmful defects. Steel sections, shall be free from excessive rust, scaling and pitting and shall be well protected. The decision of the Engineer regarding rejecting any steel section on account of any of the above defects shall be final and binding.
- (E) Structural steel work shall conform to the requirement as specified in Indian Railway Unified Standard Specifications (Works and Materials) Vol. I & II.
- (F) Necessary purchase bill along with test certificate for steel shall be obtained and submitted to the Engineer in Charge. Steel without the test certificate from approved laboratory/Engineering college shall not be used in the work. Certified copy of the same shall be submitted to Divisional Office along with running bills/final bills. Steel shall be tested for Tensile strength and bend test as per IS:1599 as specified in Indian Railway Unified Standard Specifications (Works and Materials) Vol. I & II.
- (G) Quantity for this item shall be calculated as per nominal weight of steel section for the length actually used in the work. No payment will be made for the wastage and the contractor will be allowed to take away the scrap and excess steel away from site.
- (H) The contractor shall be responsible for getting the measurement of steel entered in to steel register and signed by the Engineer in charge of the work before concreting is done to avoid dispute regarding quantity of steel used in the work.
- (I) The rates quoted for this item is deemed to be inclusive of the cost of binding wire and no separate payment shall be admissible for the same.
- (J) The steel shall be kept by the contractor under his custody at the site of work and Railway will not be responsible for any theft thereof.
- (K) The quantity so payable under relevant item shall be restricted to the quantity as per approved plan/drawing and decision of the Engineer in Charge in this regard shall be final and binding upon the contractor.

END OF SPECIAL CONDITIONS & SPECIFICATION OF CONTRACT PART I

SPECIAL CONDITIONS & SPECIFICATION OF CONTRACT PART II
(SPECIFICATIONS AND SCOPE OF WORK)

Name of work:- Construction of One No Road Under Bridge (RUB) on Single line Railway track (Connecting Chord line between Ahmedabad-Vadodara line & Godhra -Vadodara Line at High Speed Rail alignment between Mumbai & Ahmedabad (HSRMA) Chainage KM 402/935M in Karodiya Village, Vadodara.

This work broadly includes the following works at above said location.

- i) Preparing drawings & design of RUB as per Western Railway standards including approval from relevant authority.
- ii) Topographical survey of concerned area.
- iii) Casting of specified RUB segments.
- iv) Construction of specified RUB including Retaining wall, drainage system, pitching, Turfing etc. by cut & cover method. as per RDSO guidelines.

SPECIAL CONDITION FOR CONSTRUCTION OF ONE NO. 4.00m x 5.50m / 12m barrel length RUB

1. The tenderers are expected to have visited the site to assess the nature of the soil, depth and variation of the sub soil water and the problems that are likely to be encountered in construction or /are likely to affect the design before filling in the rates.

THE TENDERER IS REQUESTED TO SUBMIT HIS CREDENTIALS REGARDING HIS PAST EXPERIENCE FOR EXECUTING SIMILAR NATURE OF WORKS.

2. Execution of all items is governed by general and special conditions of contact.
3. Conditional offers will not be considered.
4. The tenderer should carefully study all the general/special conditions and specification accompanying the tender schedule/form in general and get himself/ themselves acquainted with the site conditions. In case of any confusion/contradiction the same may please be clarified.
5. Rates includes all taxes i.e. GST, sales tax, octroi, excise duty, other levies etc. and all other incidental and unforeseen expenditures, if any.
6. Rates of concrete includes cost of shuttering, cement, aggregate sand, admixtures etc. unless otherwise mentioned.
7. Contractor shall have to provide a temporary office for NHRCL administration having minimum 6 chairs, 1 table, 1 water cooler, 1 stool, one filing cabinet, Computer with printer, scientific calculator and one digital camera (min. 10 MP) at no extra cost.

8. Contractor shall have to arrange precision measuring equipment like Total Station, leveling instrument, staff, measuring tape etc. during execution of work.
9. Concrete Mixer capacity should be at least 1 bag of 50 Kg. Contractor has to take prior permission of Engineer in charge of the work for use of ready mix concrete.
10. Rates includes the charges of mix design of controlled concrete and quantity of cement concrete consumed in cube preparation and it may be noted that mix design shall be got approved in any Govt. engineering college as per IS Code 10262-1982. Report of mix design should be submitted to the engineer in charge before commencement of concrete work.
11. Contractor shall prepare completion report and completion drawing after completion of the work.
12. Detail report along with sketches about the work done have to be submitted by contractor in two Copies duly incorporating photographs of the work done at various stages, completion drawing prepared in AutoCAD. Original tracing and plan in softcopy are also to be submitted along with 6 hard copies.
13. The relevant notes applicable to the respective sub chapter of USSOR 2011 will apply to the items of the tender schedule and should be considered as having been incorporated in the contact agreement and shall be binding to the contractor.
14. Necessary survey should be carried out at the site of work with NHRCL's representative with all latest survey instruments, leveling and collection of all data to become aware of the condition of work.
15. Procurement of plants, jacking equipments, jack pumps, front shield, cutting shield, intermediate jacking station, rear shield etc. should be done by the contractor at his own cost and no extra payment will be made.
16. Removal of existing underground as well as overhead obstruction in the Railway area near the site of work which is likely to obstruct the work of box is to be removed before obtaining blocks by the contractor at his own cost.
17. During the entire construction if any dewatering is required for carrying out the work. The contractor has to do it at his own cost and no extra payment will be made.
18. Removal/disposal of excavated earth to be done by contractor as per the instructions of Engineer at site.
19. Poorly executed concrete have to be demolished as directed by Engineer in charge or his representative and repair will not be allowed.

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20. All steel to be used shall be of SAIL/TISCO/RASTRIYA ISPAT or equivalent make. Reinforcement steel shall be high strength steel bars conforming to IS 1786, 1985. Testing of steel shall be carried out from Govt. Engg. Collage/Govt. approved labs at contractor's cost, well before commencing of work, for each lot as per IS specifications. Relevant bills for steel & Cement procured for the work shall be submitted. Necessary registers as prescribed shall be maintained.
21. Contractor has to arrange his own cement & steel as per NHRCL/Railway's specification and necessary Test certificate is to be submitted for the cement and steel to be used on the work.
22. Before starting concreting work, the contractor shall submit design mix for various grades of concrete to be used from Govt. approved Institute/Laboratory at his own cost. The same shall be approved by Site Engineer & only then the work shall commence. Whenever Engineer in charge desires, even during progress of work, contractor shall be bound to re-arrange design mixes from Govt. approved Institute/ Laboratory at his own cost.
23. Necessary records of the tests of materials shall be maintained in the form of registers. In addition to these registers, site order book, labour register, progress register, steel registers or any other register warranted by the Engineer in charge shall be provided and maintained by the Contractor and shall be available at site office for inspection of the officials.
24. All the material used shall confirm to standard NHRCL/Railway specifications as updated till date unless otherwise specified.
25. Tenderer should establish quality assurance system. A well-equipped Lab for testing material shall be set up at site by contractor, which mainly includes cube testing machine, electronic scale, sieves for sieve analysis, electric oven, silt content checking equipment, flakiness and elongation checking equipment, equipments for workability, check for doing sampling, quality control check and strength checking of concrete. Work will not be commenced unless Lab is set up. A centralized lab with permission of Engineer in charge can also be provided. No separate payment will be made for testing of the materials. If Contractor fails to set up concrete testing lab at site then a penalty of Rs. One lac would be deducted.
26. Payment of steel shall be made for actual steel used in concrete work. No payment will be made for steel brought extra at site, wastages etc.
27. Work shall be executed using weight batcher and mixer with water dozer. Precision measurement equipment like leveling equipment, staff, tape etc. shall be always available at site.
28. No repairs/plastering of concrete surfaces shall be allowed. Poorly executed honey combed concrete shall be demolished by contractor at his own cost and will not be paid for.




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29. Work is to be carried out as per specification for RCC/PSC for the Construction/Rehabilitation of concrete Bridges/structures on Western Railway (Open line). This copy is available with DRM (W)/BRC's office.
30. The contractor will transport his tools and plants, labour to the RUB/subway site by his own means. NHRCL will not provide any new service roads for movement of contractor's vehicles. However existing service road can be used by the contractor free of charge. At other places, contractor will have to make his own arrangements for movement of his vehicle.
31. In case any train is detained at the approach of work site or at a station on account of its passage being considered unsafe by NHRCL/Railway Supervisors due to bad workmanship of contractor or the parameters being unsatisfactory for the passage of trains or due to the contractor leaving the work unfinished or due to work delayed by the contractor, due to crane failure, resulting in bursting of block, NHRCL shall be entitled to recover detention charges from the contractors bills or security deposit or any other dues etc. at the rate of Rs. 50000/- per hour of detention or part thereof for each train so detained. Detention to trains, as determined by the NHRCL/Railways shall be final and binding upon the contractor.
32. The speed restriction board and protection of site as required for safety of track would be arranged by the railways by the sectional PWIs through NHRCL. No work under track should be commenced unless the Engineer in charge of NHRCL or his representative has imposed traffic block. Work will be undertaken only in presence of PWI/ IOW/ NHRCL staff.
33. The contractor will be held responsible for any loss or damages or injury during course of work to the labours or to public/private persons, contractor shall bear all the loss and expenditure involved.
34. The Contractor shall keep his look out man for warning the works of the arrival of train etc. to ensure safety of the workman and equipment.
35. SUPPLY OF WATER:- The contractor should make at his own cost arrangement for supply of water required for the works including water, required for testing purpose as well as for drinking purpose.
36. ELECTRIC SUPPLY:- If Railway power is available nearby, the same can be provided to the contractor with necessary charges as per extant rules. Usage charges shall be borne by the Contractor. If Railway power is not available, the contractor shall make arrangement for power connection at his own cost. Since the execution of the work may extend beyond the day hours, the site should be amply lit. No extra payment shall be done on this account.
37. Unless otherwise specifically mentioned, 53 grade cement corresponding to IS 12269 shall be used.


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- 38. TAXES AND ROYALTIES:-** All rates quoted in the tender shall be deemed to be inclusive of all taxes including GST, turnover tax, Sales Tax, excise, VAT, Octroi or any other Government tax. No additional amount will be paid or claim entertained on this account by NHSRCL. The contractor is liable to pay any charges/fees levied by the local authority/Government during execution.
- 39. No mobilization advance** shall be payable for the above work. The contractor shall make necessary arrangements of machinery, tools and plants to complete the above work at his own cost. The mode of payment will be as per the rate of items given in the Tender schedule. The payment will be done as per the quantity executed by the contractor as per the specification of the railway. The payment will be made in different stages through on account bills. The quantities shall be measured for the final finished works.

40. CODES & RELEVANT SPECIFICATION

The following codes and specifications will be followed:

- i) Indian Railway Bridge rules adopted 1941 revised August 1964 incorporated Correction slips No.1 to 19
- ii) Indian Railways standard (IRS) bridge sub structure and foundation code Adopted 1936 and revised 1985 with correction slip No. 1 to 24.
- iii) The concrete bridge code - code of practice of plain, reinforced and pre-stressed concrete for general bridge construction with correction slip No. 1 to 9, 1936 - First revised 1962, Second revised 1996, printed in 1999.
- iv) IS-423 Pt. 1 code of practice for mild steel and medium tor steel bars.
- v) High strength deformed steel bars confirming to IS Code 1786.
- vi) IS-1785- 1985 (Part-I) code of practice for plan heard drawn steel wires.
- vii) Specification and criteria laid down for the Western railway works hand book regarding the quality of raw materials workmanship execution and finishing etc.
- viii) IS-456-2000 (Latest edition)
- ix) IS 800, 2007 for general construction in steel.
- x) IS 2062, 1999 IS Code of Steel for general structural purpose
- xi) Any other relevant Indian Railway standards, Indian standard specification, Indian Road Congress standard as applicable to bridge work under Railway.

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xii) Drawing no CE(W)21512-HQ/1D (Case I), CE(W)21512-HQ/1D (1) (Case II), CE(W)21512-HQ/1D (2) Case III, CE(W)21512-HQ/1D (3) Case IV, T.No BR22HQ/2012 (Type plan case V) circulated by the Head Quarter for the purpose of construction of RUB.

41. Curing of the concrete shall be done for the duration as per the IS specifications. Necessary potable water shall be arranged by the contractor at his own cost. Methodology for effective curing shall be finalized as per the instructions of Engineer in charge.

42. Safety at work site shall be maintained both for the train movement as well as the road users. Proper arrangement with indicative signboards for diversions and movement of the road users shall be made by the Contractor for their safety as well as for easy movement. No Public Complaint should arise on account of the work.

43. Scope of work

a. The work involves in this work Construction of One RUB with RCC Box of size 4.0m x 5.5m internal dimensions with 12.0m barrel length under the single line Railway track (Connecting chord line between Ahmedabad-Vadodara line and Godhara-Vadodara line) for providing Road under Bridge at HSRMA chainage: km402/935m in Karodiya village, Vadodara by using "Cut and Cover" Method.

b. The work mainly be executed at the location mentioned above in the drawing, however the location of work can be changed within the jurisdiction of NHRCL Vadodara, if the need arises. No extra claim of payment shall be entertained on account of this. NHRCL reserves the right for change of such location.


c. The work is to be executed as per the Railway's approved plan. This plan is only for general guidance & actually item to be operated shall be as per the tender schedule & site condition. Decision of Engineer-in-charge or his representative shall be final and binding on the contractor. The plan is available in the NHRCL Vadodara Office for reference. Tenderers are requested to visit the site of work before quoting their rates.

d. The tenderers should have an experience of successfully completion of such type of work/similar work and should have capacity to complete the work. Tenderers are requested to submit documents in support of their credentials.

e. All construction materials to be used in the work shall be as per relevant IS specification, wherever applicable, and shall be approved by Engineer in charge before use in work.

f. Mixers of approved design shall be used for mixing cement concrete. Form surface vibrators & Needle Vibrators of approved design and quality shall be used for the compaction of the same in RCC work.

g. The work shall be done as per instructions given by site Engineer and as per Railway's standard specification for materials and work.



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- h. Contractor shall take all care to avoid any damage to underground cables, telephone cable, OFC cables, water pipe lines, sewerage system etc. Any damage to the railway property on account of contractor's negligence shall be made good at contractor's cost.
- i. In case any ambiguity between special conditions and general standard condition, special conditions shall prevail.
- j. Any roof or branch of tree coming in the way of foundation/pile excavation etc. shall be cut/trimmed by the contractor at his own cost. Necessary permission in regard to these shall be obtained. No extra payment shall be made.
- k. Tenderer should submit his credentials along with Tender form, failing which his offer may not be considered.
- l. In case of any dispute arising out of the punctuation and or any typographical error in the schedule, the same will be corrected with reference to USSOR-2011 of Western Railway in original manuscript available with COS/WA.
- m. Contractor will not be entitled for any claims if any of the items indicated in the schedule is not got done or not given to him.
- n. Time is the essence of contract. The contractor shall submit a Bar Chart/CPM/PERT chart within 15 days on award of the work for completing the work within the completion period. Progress shall be maintained strictly in accordance with the programme submitted by the contractor in the said chart time to time and as accepted by the Engineer-in-charge.
- o. The precast boxes are to be cast on levelled firm base, if concrete is required to be done for that, no payment for concreting for levelling shall be paid. Decision of Engineer in charge regarding levelled firm base will be final and binding to the contractor.
- p. In terms of CTE-CCG's letter No. W 632/0 (Gangman uniform) Vol. I dated 18.03.2016, contractor should ensure that workman of contractor wear safety type of reflective jackets invariably while working on site in vicinity of Railway Track
- q. For movement of officers and supervisors contractor shall provide one four wheeler Vehicle such as Bolero, Sumo or similar etc. exclusively. The vehicle shall remain till the currency of contract.

SPECIAL CONDITIONS FOR NS ITEMS.

NS/01 Dismantling of existing BG track.

Unless otherwise specifically stated, the detailed scope of work of this item shall be deemed to include the cost of the under mentioned works including the cost of T&P, equipments, supervisors, labours, all lead and lift etc. complete as required for the successful completion of the work at Contractor's cost. The rate includes the use of machinery like cranes etc. for lifting and placing the dismantled structure.


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The following works shall be under the scope of this item:

1. Dismantling of track under traffic block/non traffic block on RUB location, and stacking the released materials at the nominated location or transporting to the location as per the instruction of the Engineer in charge. No extra payment shall be made for stacking but transportation beyond 150 m shall be paid for under relevant item of this tender.
2. The released material after dismantling shall be placed on cess or in railway land so as not to interfere with other operations of work.
Payment for dismantling shall be made per RM of track measured along the centerline of track.

NS/02 Laying & Linking of BG track.

Unless otherwise specifically stated, the detailed scope of work of this item shall be deemed to include the cost of the under mentioned works including the cost of T&P, equipments, supervisors, labours, all lead and lift etc. complete as required for the successful completion of the work at Contractor's cost.


1. Laying and linking of rails on PSC with complete fittings under traffic block working on RUB as per the provisions of the IRPWM.
2. Handling and pairing of rails/panels of 90R/52/60 Kg. to ensure squaring of joints. Pairing shall be done in such a way that no cutting of rail is involved and SEJs etc. come exactly opposite to each other. For pairing required pulling back of rail panels shall be done.
3. Greasing of ERC & inside the inserts using approved quality grease fixing and tightening of all fittings of rail and sleeper as directed. Aligning. Leveling of track as per the track parameter specified in IRPWM including dressing / boxing of ballast.
4. Laying of sleepers of the required density and providing all rails including fastening, aligning, leveling, packing, dressing, boxing etc. as per track parameters specified in IRPWM.
5. Greasing and oiling of Fish plate, fish bolt and joint with contractor own grease oil. Lubrication of rail joints shall be done by the tenderer as per specification indicated in paras-241 of Indian railway Permanent Way Manual 2004.
6. Writing of measurement/ versine /standard for P&C and curves with white paint on black background, for which no extra payment shall be made.
7. The rails (new/second hand) in free/two/three rails panels shall be laying along the track either on cess or on ground. The rate of linking includes lifting the rail/panels from the cess or ground, with all pulling back operation complete.

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8. Squaring of sleepers, slewing of track to correct alignment, lifting , lowering to correct level wherever require gauging, packing of sleeper to correct level etc. as per specification laid down in para 224 of Indian railway Permanent Way Manual 2004.
9. Cutting of rail, drilling holes, fabricating and fixing guard rail shall be paid separately under relevant NS item of this tender schedule.
10. Fixing pandrol clips, providing liners, rubber pads of PSC sleepers, adzing, boring, holes with auger on wooden sleepers, fixing bearing plates with rail screws/ dong spikes etc.
11. The released rail can be reused for linking if directed by engineer incharge if sufficient quantity of rails is not available at cess, then the contractor shall cart rails to the site from the nominated station / yard and payment of carting shall be made separately under relevant NS item of the tender.
12. PRC/wooden sleepers shall be made available in stacks or laying spread along the existing alignment and the rates shall include leading of sleeper from stacks to the position to be laid for a distance of 150M measured along the track. If this distance exceeds 150M extra payment for leading the sleeper shall be payable based on the leads measured along the center line of track, irrespective of actual lead involved. P. WAY fittings shall be supplied at the stores of Inspector incharge of works and the contractor by his own means shall take these fittings to the place of linking payment for carting of rails, sleepers , fittings shall be made separately under relevant NS item of the tender.
13. Sleepers shall be laid on the duly rolled ballast bed in such a way that ballast bed is not be disturbed.
14. Additional ballast from the stacks shall also be spread over the prepared bed. The rails and sleepers shall be laid and checked for parameter as per railway standard.
15. The insertion of GJs shall be planned in consultation with with engineer in charge in such a way so that there is minimum wastage of rails. The cut pieces of rails shall be deposited with respective inspector in charge of the work. 10% extra for insertion of insulated glued joints (IGJs) & SEJs and 20% extra for sharp curves (where check rail to be provided) with all fittings etc. complete shall be permitted. For the purpose of payment the length of all SEJs shall be considered as 11.5m & GJs as 6.5m irrespective of their actual lengths. SEJs, GJs and check rail with necessary fittings shall be made available in the nearest station yard/ nominated depot for further handling of the same. Outside yard payment shall be admissible for transportation under relevant item.
16. The contractor shall plan for his progress of linking work in accordance with stage targets and shall collect the required fittings from the nominated depot only once a week, as notified by engineer in charge. They shall keep necessary arrangements for safe custody of these fittings. Only authorized representative of contractor shall be issued with the materials.
17. Rail should be laid with cant of 1 in 20 towards the center of the track.


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18. The shortest length of rails to be used in the track shall not be less than 6.0m except as a temporary measured, when cut pieces can be used, with suitable speed restrictions. Shorts rails should be laid in yards except where required for approaches of bridges and level crossings.

19. PACKING OF SLEEPERS (ONLY ONE ROUND TO MAKE THE TRACK FIT FOR 20 Kms.)

- (I) Packing is to be done to have each sleeper fairly and uniformly packed to ensure that the rails are at their correct relative levels i.e. level on the straight track and to the required cant on curve and that no sleeper has any void between it and its bed. The laying and packing shall be done as specified in Indian railway Permanent Way Manual.
- (II) Before packing is commence, it is necessary ensure that the chairs/ bearing plates are firmly fixed to the sleepers and the rails are bearing on the chair / bearing plates. In case of rails resting directly on sleeper it should be ensured that there is no gap between the bottom of the rail and top of the sleepers.
- (III) No joint should be lifted higher than the proper level in the section that it will settle to the correct level. Instead it will settle more under traffic as a result of being high and causes rough running.

20. Track Laying Standards

The contractor shall ensured good quality of work to be done during linking of track. Specification / tolerances indicated in paras 316 Indian railway Permanent Way Manual 2004 shall be applicable for maintaining track geometry.

21. Any other works as stated to be done in NS item of the schedule "C" of this tender.

22. Mode of measurement

- (i) Payment for linking shall be made for RM of track measured along the center line of track.

23. STAGES OF PAYMENT (LINKING OF TRACK)


STAGE 1 : Payment @ 70% of accepted rate (for the actual work done) commensurate with the progress of the work.

STAGE 2 : Payment @ 30% of accepted rate (for the actual work done) on bridge wide completion of work against this item.

NS/03 Machine/Manual packing of Track.

A. MANUAL PACKING OF TRACK.

1. Unless otherwise specifically stated, the detailed scope of work of this tem shall be deemed to include the cost of the under mentioned works including the cost of T&P,


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equipments, supervisors, labours, all lead and lift etc. complete as required for the successful completion of the work at Contractor's cost.

2. Manual packing of PRC sleeper (Sleeper density 1540/1660) track on bridge proper, and on bridge approaches as per the instruction of the Engineer in charge and as specified in the relevant paras of Indian Railway Permanent Way Manual (IRPWM).
3. This item shall include manual packing of SEIs, Glued joints, block joints trap points and for which no additional payment will be made.
4. The item shall be done after the obtaining the written permission of the Engineer in charge.
5. This item is for three round of manual packing of track under running traffic.

B. MACHINE TAMPING OF TRACK.

1. The scope of work under this item includes tamping of track with Railway's tie tampers to give three rounds of packing, as directed by Engineer in charge.
2. Railway will provide tie tamping machines free of cost along with operators. The contractor shall arrange for all consumables for the working of the track machines. The details of the consumables are given below

LIST OF CONSUMABLES

Sr.No.	Description	Recommended are
1	HSD Oil	M/s. IOC
2	Grease	Local Make
3	Servo pride	M/s.BP, HP, IOC
4	SP 40	M/s.BP, HP, IOC
5	Ultra 40	M/s.BP, HP, IOC
6	Repairs to tamping tools	Locally
7	Bolts and cup washer for tamping tools.	M/s.Plasser, Khandelwal, Auto, Fastner, Devinder.
8	Brake Shoes	M/s.Kohinoor, Plasser.
9	Nuts & Bolts	Taj Forging.
10	Chord Wires	M/s.Plasser, Local Make
11	Electrical/Electronic cables	M/s.Finoles
12	Cotton Wastes	Local

NOTE : In case the arrangements is done by NHRCL for any of the above items, cost of the same shall be recovered from the Contractor at the rate of actual cost added by 20 percent to cover the cost of freight and supervision chargers etc.

1. The contractor shall arrange for routine repairs of tamping tools.
2. The contractor shall arrange all labours for doing pre-tamping and post tamping works as per para 226; of IRPWM and for working along with the machine for three rounds of tamping (packing) and also for works such as picking up of slacks to raise the speed of the section to 75 Kmph.
3. Tamping of track will be required to be done for concrete sleepers.
4. Tamping of switch expansion joints and trap, which will be considered as ordinary track and no extra payment will be admissible for tamping, over and above accepted rate.
5. The temping shall be done only after sufficient ballast as required has been put in the track.
6. The track shall be made for the speed mentioned below after each round of packing.
 - First round of packing- 45 Kmph.
 - Second round of packing- 65 Kmph.
 - Third round of packing- 75 kmph.
7. If even after making three founds of packing by tie tamping machines the track standards as per IRPWM are not achieved or track does not become fit for 75 Kmph, then extra rounds of packing shall have to be made. The contractor shall have to arrange for labourers and consumable for such additional rounds of tamping under this item but no payments shall be made for these additional rounds.

The decision of Engineer in charge regarding the type of packing (MACHINE.MANUAL) to be adopted for this item shall be final and binding on the contractor.

C. MODE OF MEASUREMENT


Payment for packing (MACHINE.MANUAL) shall be made per RM of track measured along the centerline of track.

D. STAGES OF PAYMENT:-

Payment under these items shall be made after certification by Engineer in charge for the fitness of track for speed as indicated above after each round of packing.

NS/04 Spreading of Ballast.

Unless otherwise specifically stated, the detailed scope of work of this item shall be deemed to include the cost of the under mentioned work including the cost of all T&P, equipments,


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consumables, supervisors, labours, all lead & lift etc complete as required for the successful completion of the work at Contractor's cost.

1. Lifting and leading the ballast from the stacks and spreading it to BG profile on existing alignment as per IRPWM.
2. Ballast from stacks shall be lifted only after it is handed over to the contractor in writing by Engineer in charge or his authorized representative specifically.
3. The contractor will take all safety precautions while dumping ballast into running track.
4. The contractor shall ensure that no overspreading of ballast is made. The ballast is to be spread uniformly all over the track as directed by Engineer in charge or his representative.

Mode of payment


1. The payment shall be made on the basis of gross cubic content of the measured stack taken in the books.
2. For any of the ballast stacks, the payment under this item shall be considered only when the stack has been spread completely as per the standard profile of the ballast section. The contractor shall ensure that no residual quantity of ballast is remaining in the stacks.

Stages of payment

1. Stage I: Payment @ 70% of the accepted rate on putting the ballast in the track for complete stack.
2. Stage II: Payment @ 30% of the accepted rate after complete dressing of ballast as per the required profile after packing.

NS/08 PRECAST RCC SEGMENTAL BOX & PLACEMENT OF BOX.

- 1.(a) The works of RUB are to be carried out by precast segmental boxes of specified size and length at proposed RUBs at site.
- 1.(b) The work of Casting & Curing of precast segmental boxes (1.53m length of each piece) to be carried out before operation of block for insertion.
2. The tenderer/contractors are advised to visit the bridge site of work and ascertain for himself/ themselves all the aspect of site conditions viz accessibility, availability of approach road, nature of soil, availability of materials, extents of lead and lift involved in the work, availability of skilled and unskilled labours etc. that may be encountered in the course of execution of work. As the nature of work warrants to ensure the highest level of dimensional precision & accuracy, tenderer should make it a point to understand the work carefully and thoroughly before quoting the rate.
3. No extra payment will be made for dewatering/incidental dewatering work for completion and execution of work.


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4. The contractor shall have to make his own arrangement at his own cost for movement of his vehicle, machinery like cranes, Poclain/Hitachi/JCB/Dumpers/Other machinery etc to reach the work site. Making of temporary access to the work sites for the machinery shall be done by the Contractor at his own cost and no extra payment shall be made for these.
5. All the materials used during the execution should confirm to Railway specification. Decision of engineer- in- charge will be final in this respect.
6. No condition with respect of technical specification will be entertained and if any tenderer quotes any condition/conditions modifying the specifications, his tender is liable to be rejected summarily.
7. Entire method for design mix concrete shall be approved by Engineer-in-charge and each step should be followed strictly. All necessary arrangement and tests for concrete mix design have to be done by contractor at his own cost. No any extra payment will be made on this account.
8. Grouting of all joints after completion of placing boxes with epoxy compound so as to make them water tight. There should be no leakage. No extra payment will be made for this.
9. Launching/Laying of precast RCC box under the track involves following activities in one block time.
 - 9.1 De linking the track and track assembly including sleepers is lifted by road crane and placed on the side of track at suitable location as directed by engineer in charge.
 - 9.2 Ballast is removed upto formation level and excavation is done by excavator.
 - 9.3 Bed preparation, leveling by sand/stone grit dust etc. The leveling equipment shall be provided by the contractor at his own cost and no extra payment shall be made on this account.
 - 9.4 Placing of RCC slab and portion of RCC box by lifting and placement with road crane including tying with wire ropes for each boxes and placing gently to the line and level and alignment. It shall be responsibility of contractor to provide sufficient no. of wire ropes at site at his own cost and no extra payment shall be made on this account. Necessary layout for accurate alignment shall be done by the Contractor.
 - 9.5 After placing RCC box under the track, earth filling/quarry dust is done on side with proper rramming, ballast is spread over it and track is placed back over the ballast cushion with the help of road crane as directed by engineer in charge.
10. Equipment required during placement of segments of box.


For efficient management of traffic block, following minimum nos. of machineries in good working order are to be arranged one day before the block is planned:



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Sr. No.	Description	Qty.
1	Crane of 250 to 300 MT capacity with 2 operator on each crane and 10 nos. skilled labours.	2 No. + One spare
2	Excavator Tata Hitachi Or Similar with Operator	2 Nos.
3	JCB with tools	2 Nos.
4	Dumpers with hydraulic lift system	6 Nos.
5	Gas cutting equipment	2 Nos. + 1 spare
6	Ladders	2 Nos

11. Contractor can cast slab boxes at centralized location under Railway supervision, but payment will be made only after precast box segments, slabs are brought to site and placed in position. No extra payment for carting of the concrete structures shall be done.
12. Sufficient no. of cement bags filled with sand/earth/stone grit dust should be available at site for emergency use.
13. The requirement of road roller is not warranted during traffic block, hence this item need not form a part of T&P item during traffic block.
14. Execution of work shall be done as per approved drawing and schedule of work.
15. The land available with NHRCL is limited and if due to any reason more land is required for successful completion of work, the additional land required shall be hired or arranged by the contractor at his own cost. The NHRCL will not arrange such additional land. Tenderer is, therefore, requested to visit all the sites before quoting the rates. No extra payment what so ever shall be made by the NHRCL. If the land is to be permanently acquired by the NHRCL, all necessary paper work shall be done by the contractor. However, in the case of permanent acquisition, NHRCL shall bear the cost of payment of land to the owner/State Government as per Land Acquisition act.
16. Contractor shall depute qualified technical staff / engineer for setting / laying out of the work and for supervision of the work as per rules & shall maintain all pegs & marking till the work is over.
17. Planning & prearrangement of works during block.
All works which are to be done under block shall be meticulously planned to avoid bursting of blocks. Preliminary works prior to the block shall be completed within time so that work is not delayed. Safety shall be ensured by providing necessary means to avoid any accident at site. Medical facilities in the form of First aid box etc shall be kept at site.
18. To ensure safety of the road vehicles, public and trains, barricading of the site with fencings, signboards etc as guided by the Engineer in charge or his representative shall be done by the contractor without any extra payment.


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SPECIAL CONDITION FOR CRANE WORKING:

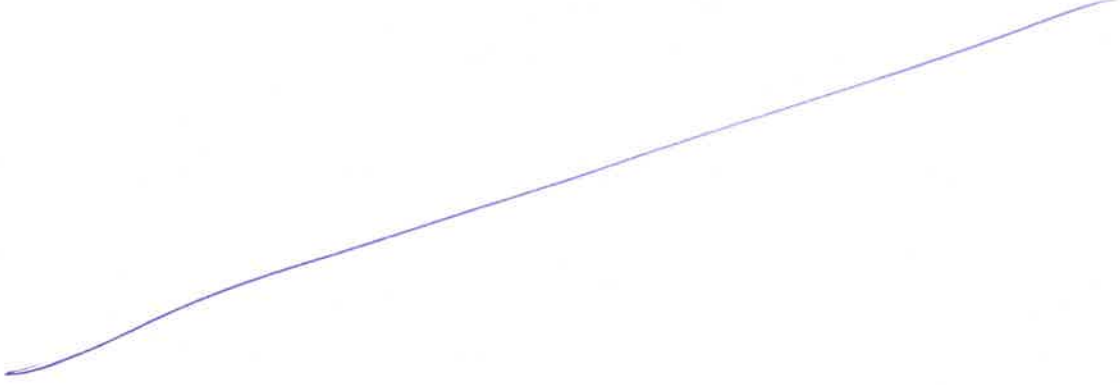
- (i) All cranes working during block shall be undertaken with sufficient standby arrangement as mentioned under special condition for respective item. Minimum standby shall ensure the completion of work even with the failure of one crane.
- (ii) All cranes brought for block working shall be got inspected by government approved surveyors at a date not more than Twelve (12) months from the date of block and shall have been declared safe for the design load capacity. All safety arrangement to avoid overloading of the crane shall be ratified and certified so by the surveyor. The Engineer-in-Charge shall inspect or depute his representative to inspect all documents and crane and then declare the crane as fit for Railway block working. Crane shall be moved to the site of work only after the same has been declared fit by the Engineer-in-Charge of the work.
- (iii) The wire ropes, D-shackles, hooks and such other temporary arrangements used for lifting loads shall be in good shape, free wear and tear and shall not suffer from twist/permanent deformation etc. resulting in load carrying capacity. The permissible load on such arrangements shall be as per theoretical calculations with sufficient safety margins. All load carrying arrangement shall be load tested to 50% overload on permissible load and shall not suffer any failure or permanent deformation during test. Such load test shall have been carried out within three months prior to the date of block. Engineer-in-Charge may permit the load carrying arrangements tested prior to this date to be used for work if the condition of such arrangement is satisfactory. If Engineer-in-Charge is not satisfied with the condition of such arrangements, the load test shall be carried out afresh.
- (iv) Crane working, whether in block or otherwise shall be carried out under the supervision of technical person well versed in crane working. The supervisor shall liaison with the site engineer and carry-out the work carefully and safely as per instructions received. Provision of safety at worksite as communicated vide HQ/CCG letter No. T5/18/29/0 (Policy) Vol. I dated 13-06-2012 shall be followed. In case of working of road cranes various instructions issued by Railway Board and CBE-CCG as detailed below shall strictly followed. Copy of these instructions is enclosed with the tender document for strict compliance and guidance of the Railway Representative and contractor.
- (a) CBE-CCG's letter No. W 65/0 (Bridge) (W3) dated 11.09.2015
(b) CBE-CCG's letter No. W 65/0 (Bridge) (W-3) dated 15.02.2016
(c) RB letter No. W 2015/CE-IV/RUB/205 dated 15.02.2016 circulated by CBE-CCG vide letter No. W 420/1 Vol. II (Policy) (W3) dated 25.02.2016
(d) RB letter No. 2015/CE-IV/RUB/206 dated 11.08.2016 circulated by CBE-CCG vide letter No. W 65/0 (Bridge) Vol. V dated 18.08.2016
(e) CBE-CCG's letter No. W 65/0 (Policy) Vol. VI dated 15.03.2017
- (v) Good communication equipment, between different crane operators, supervisors and site engineers shall be provided for coordination and safe working.
- (vi) Good practices as per IS codes for crane working shall be adopted for the work. No short cut or local practices shall be allowed. The load shall be lifted ensuring proper balance. The slings must be protected at the sharp edges. The overload on keys, hooks, slings, ring, etc. through wrong angle of loading must be avoided.


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(vii) Cranes must be earthed while working in the vicinity of the charged OHE line in double or multiple line section. Proper care must be taken to ensure that the load/boom do not infringe maximum moving dimension of other line (s) which is not blocked.

(viii) Sufficient wooden blocks and packing material must be arranged as site advance. The working area must be sufficiently levelled for convenient and fast working.

(ix) The contractor will submit a detailed scheme as how he/they propose(s) to complete the work of removal of girder and linking of track within the available block period. The duration of block will be decided by the Engineer. The panels for new track may have to be kept ready before hand on the ground and may have to be laid by road crane in order to clear the block in time. The linking is payable separately under the relevant Schedule items.



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TENDER SCHEDULE

Vadodara Division:-Providing Road Under Bridges (RUB) on single line railway track (connecting chord line between Ahmedabad-Vadodara line and Godhra-Vadodara line) at HSRMA Chainage: km402/935m in Karodiya village, Vadodara.

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
1	011010 011011	Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap: the lift to be measured from natural ground level and paid for in layers of 1.5m each, including incidental work, as per specifications-in 011011:-All kinds of soils	1260.00	109.36	Cum	137793.60
2	011010 011012	Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap: the lift to be measured from natural ground level and paid for in layers of 1.5m each, including incidental work, as per specifications-in 011012:-Ordinary rocks (Not requiring blasting)	3.00	267.32	Cum	801.96
3	011010 011051	Extra for lead of earth work above initial lead of 50m, in all kind of soils and rocks : 011051:-for every 50 m or part thereof - lead over 50m and upto 150m	2520.00	10.63	Cum	26787.60
4	011010 011052	Extra for lead of earth work above initial lead of 50m, in all kind of soils and rocks : 011052:-for every 50m or part thereof - lead over 150m and upto 500m	630.00	12.80	Cum	8064.00
5	011010 011070	Extra for every additional lift of 1.50m or part thereof, after the initial 1.5m, of earth work in all soils				
		a)For Lift above 1.50m to 3.00m	315.00	7.92	Cum	2494.80
		b)For Lift above 3.00m to 4.50m	315.00	15.84	Cum	4989.60
		c)For Lift above 4.50m to 6.00m	189.00	23.76	Cum	4490.64
		d)For Lift above 6.00m to 7.50.00m	26.00	31.68	Cum	823.68
6	012010	Extra over item 011010 for excavation in foundations for buildings and bridges to cover dressing to neat dimension and plumbing sides etc. Note : Dressing under this item	20.00	12.50	Cum	250.00

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
		is payable for the total quantity of excavation in foundation and not partly.				
7	014050 014051	Turfing/planting, including all lead and lift and watering as required until properly rooted, with Note:-Initially payment of only 40% will be made, Balance 60% will be paid only after 3 months of maintenance period if the turfing is properly rooted. 014051:- Turfing with sods, 10cm thick and 20 cm square closely laid	1440.00	5850.00	100 Sqm	84240.00
8	021070	Loading/Unloading ballast, kankar, brickbats, stone- chips, shingle, stone boulders, block kankar, pitching stones, rubble stones, laterite, coal, surkhi, dry mortar, sand, moorum, earth, manure or sludge, ashes, lime etc., including lead up to 50m and stacking into/from trucks, trailers or wagons	35.00	37.75	Cum	13.21
9	021090	Leading ballast, kankar, brickbats, stone-chips, shingle, stone boulders, block kankar, pitching stones, rubble stones, laterite, coal, surkhi, dry mortar, sand, moorum, earth, manure or sludge, ashes, lime, debris, muck, malba, etc.. for lead upto 25 km. Note : Lead under this item is payable when the same exceeds 500 M.	35.00	59.54	Cum	20.84
10	021150	Leading miscellaneous materials such as iron work, rails, fittings and fastenings, pipes, wooden logs, stones over pitching stone size, RCC/PCC beams/Slabs etc. and all similar articles (Each individual article or bundle being not more than 3.5 Metre long in the longest direction) including all loading, unloading and stacking, lead over 500m and up to 10 Km. Note:-Lead under this item is payable when the same exceeds 500m:	5.00	108.05	MT	540.25
11	021151	Additional lead for every subsequent Km. or part thereof over 10 Km. and up to 100 Km. over item No. 021150Lead in this case Up to 30 Kms. (5 MT x 30 Kms)	150.00	4.95	MT/ Km	742.50
12	021430	Hiring and operating Multi-Utility vehicle of loading capacity one MT with sitting capacity of 4/6 persons, 4 strokes, 4 cylinders engine, factory-built metal body, cargo box type or passenger cabin type or both (with 24 hours availability), including cost of fuel, lubricants, major/minor repairs, salary of driver, toll tax, all other tax complete, operation and	6.00	33230.52	Each/ Month	199383.12



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Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
13	021440	maintenance including running upto 1200 km in a month. The vehicle shall run on pucca, kutcha road and along the track. The contractor shall arrange road permit for vehicles for all the States of operation, as per instructions of engineer in charge and vehicle shall not be more than three years old. Extra over item no. 021430 for every additional km or part thereof over 1200 km in a month.	6000.00	27.64	Km	165840.00
14	021510	Hiring of JCB Machine (in good working condition) for leveling and dressing ground / dismantling structures including disposal of debris through dumpers etc. with contractor's labour, JCB machine, machine operator, fuel, etc. The contractor shall arrange road permit for vehicle for all the States of operation, as per instructions of engineer in-charge and vehicle shall not be more than three years old. Payment shall be made for actual working hours at site.	25.00	849.93	Hr	21248.25
15	021520	Hiring of Truck with covered body of 2 MT capacity for one shift of 8 hours running upto 80 km including driver, cleaner together with fuel and other consumable stores etc. for transport of different engineering materials.	10.00	2037.27	Day	20372.70
16	031010 031013	Providing and laying in position cement concrete of specified proportion excluding cost of cement, centering and shuttering - All works upto Plinth level: 031013:-1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size)	3.00	1369.72	Cum	4109.16
17	031020 031023	Providing and laying cement concrete, up to plinth in retaining walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain windows sills, fillets etc., excluding the cost of cement and of shuttering, centering. 031023:-1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size)	0.75	1645.73	Cum	1234.30
18	031020 031024	Providing and laying cement concrete, up to plinth in retaining walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, strings on lacing	10.00	1645.73	Cum	16457.30

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
19	031050 031051	course, parapets, coping, bed blocks, anchor blocks, plain windows, sills, fillets etc., excluding the cost of cement and shuttering, centering, 031024:-1:1.5:3 (1 Cement: 1.5 Sand: 3 graded stone aggregate 20mm nominal size)	83.00	1736.97	Cum	144168.51
20	031060 031061	Providing and laying in position cement concrete of M:20 grade, excluding the cost of cement and of centring and shuttering, as per direction of the Engineer-in-Charge. 031051:-All works up to plinth level.	130.00	145.78	Sqm	18951.40
21	033060 033062	Centring and shuttering including strutting, propping etc. and removal of form work for : 031061:-Foundations, footings, bases of columns	366.00	4830.00	Tonne	1767780.00
22	043010 043011	Supply and using cement at work site:- 033062:-OPC 53 Grade	25.00	2430.31	Cum	60757.75
23	043010 043013	Providing, hoisting and fixing in position up to floor 2 level M:20 grade precast RCC work including setting in cement mortar 1:3 and finishing smooth with 6mm thick cement plaster 1:3 on exposed surfaces complete including cost of shuttering, finishing, admixtures in recommended proportions (As per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability, excluding cost of cement and steel reinforcement as per approved plan and direction of Engineer in charge. 043011:-IN string course, bands, coping, bed plates, anchor blocks, plain window sills and the like.	2.00	4644.71	Cum	9289.42



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Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
24	043010 043015	Providing, hoisting and fixing in position up to floor 2 level M:20 grade precast RCC work including setting in cement mortar 1:3 and finishing smooth with 6mm thick cement plaster 1:3 on exposed surfaces complete including cost of shuttering, finishing, admixtures in recommended proportions (As per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability, excluding cost of cement and steel reinforcement as per approved plan and direction of Engineer-in-charge. 043015:-In Slabs for drain covers, manhole covers, flue tops etc.	4.50	2587.39	Cum	11643.26
25	045010 045014	Supplying Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. 045014:-High yield strength deformed bars.	92500.00	57.94	Kg	5359450.00
26	045020 045021	Supplying anti corrosive reinforcement bars with fusion bonded epoxy coating after sand blasting, cleaning, induction, heating etc. of the reinforcement bars complete as per specification. Including cutting, bending, placing in position and binding all complete. 045021:-Up to 16mm dia bar.	40.00	77.46	Kg	3098.40
27	045020 045022	Supplying anti corrosive reinforcement bars with fusion bonded epoxy coating after sand blasting, cleaning, induction, heating etc. of the reinforcement bars complete as per specification. Including cutting, bending, placing in position and binding all complete. 045022:-More than 16mm dia bar.	10.00	74.41	Kg	744.10
28	081010 081011	Structural steel work in single section including cutting, bending, straightening, drilling, rivetting, bolting, hoisting, fixing in position, including applying a priming coat of approved steel primer, complete - upto 6m height above GL 081011:-In RSJ, tees, angles and channels	5100.00	72.11	Kg	367761.00
29	081020 081021	Structural steel work riveted or bolted in built up sections, trusses and framed work, girders, staging, racks etc including cutting, bending, straightening; drilling, rivetting, bolting, hoisting, fixing in position including	1700.00	71.85	Kg	122145.00

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
30	081020 081022	applying a priming coat of a approved steel primer complete - Up to 6m height above GL. 081021:-In RSJ, tees, angles and channels Structural steel work riveted or bolted in built up sections, trusses and framed work, girders, staging, racks etc including cutting, bending, straightening, drilling, rivetting, bolting, hoisting, fixing in position including applying a priming coat. 081022:-In flats, plates, round or square bars	500.00	70.09	Kg	35045.00
31	081030 081031	Structural steel work welded in built up sections, trusses and framed work, girders, stagings, racks; etc including cutting, bending, straightening, hoisting, fixing in position, including applying a priming coat of approved steel primer, complete - upto 6m height above GL. 081031:-In RSJ, tees, angles and channels	1750.00	75.92	Kg	132860.00
32	081030 081032	Structural steel work welded in built up sections, trusses and framed work, girders, stagings, racks, etc including cutting, bending, straightening, hoisting, fixing in position, including applying a priming coat of approved steel primer, complete - upto 6m height above GL. 081032:-In flats, plates, round or square bars	1850.00	73.32	Kg	135642.00
33	081360	Providing and fixing M.S. round holding down bolts with nuts and washer plates complete	140.00	65.94	Kg	9231.60
34	081370	Providing and fixing bolts including nuts and washers complete	2.00	105.78	Kg	211.56
35	116070	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete on concrete work	1040.00	102.81	Sqm	106922.40
36	121050 121052	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade 121052:-One or more coats on old work	55.00	30.39	Sqm	1671.45
37	121160	Painting one coat with chocolate, red, grey or buff ready mixed paint of approved quality on steel or wood work.	200.00	32.40	Sqm	6480.00
38	142010 142014	Providing and laying non pressure NP2 class (light duty) R.C.C. pipes including bends etc.	120.00	366.89	Metre	44026.80

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
39	142010 142017	with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement :2 fine sand) including testing of joints etc. Complete up to 800mm dia. 142014:-300mm dia. R.C.C. pipe Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes including bends etc with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1cement: 2fine sand) including testing of joints etc. complete upto 800mm dia. 142017:-600mm dia. R.C.C. pipe	300.00	994.95	Metre	298485.00
40	142020 142024	Providing and laying non pressure NP2 class (light duty) R.C.C. pipes including bends etc. with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement :2 fine sand) including testing of joints etc. complete above 800mm dia. 142024:-1200mm dia. R.C.C. pipe	4.00	2466.29	Metre	9865.16
41	154140	Providing and fixing 75mm PVC soil, waster and vent pipes including jointing and cost of spun yarn and sand etc. complete.	224.00	169.83	Metre	38041.92
42	171520 171523	Drilling of bore well for specific depth in all types of soil and rock mechanically with all contractor's tools and plants, material and labour up to 75 Metre. 171523:-For 250 mm dia	324.00	537.19	Metre	174049.56
43	181020 181021	Demolishing plain cement concrete including disposal of materials within 50m lead:- 181021:-1:2:4 or richer mix with max. 20mm coarse aggregate	2.50	592.73	Cum	1481.83
44	181020 181022	Demolishing plain cement concrete including disposal of material within 50m lead 181022:-Mix leaner than 1:2:4 with coarse aggregate larger than 20mm	10.00	353.62	Cum	3536.20
45	182010 182012	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50m lead 182012:-In lime mortar/ lime cinder mortar	30.00	193.44	Cum	5803.20
46	182010 182013	Demolishing brick work including stacking of serviceable materials and disposal of unserviceable material within 50m lead. 182013:-In Cement Mortar	13.00	467.47	Cum	6077.11
47	182050 182052	Dismantling precast concrete or stone slabs in walls, partition wall etc. including stacking	4.50	112.82	Sqm	507.69

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
		within 50m lead 182052:-Thickness above 40mm up to 75mm				
48	183040	Dismantling paver block/stone sett flooring laid in dry mortar/cement mortar/bitumen, including stacking material within 50m lead	260.00	49.28	Sqm	12812.80
49	183060 183062	Bituminous top layer of road	675.00	104.14	Sqm	70294.50
50	184080 184082	Dismantling roofing including ridges, hips, valleys and gutters etc. and stacking the materials within 50m lead of:-184082:- Asbestor sheet	30.00	22.11	Sqm	663.30
51	185010	Dismantling doors, windows and clerestory windows (steel or wood) shutters including chowkhats, achhitrave, holdfasts in CC or masonry etc. complete and stacking within 50m lead	4.00	133.85	Each	535.40
52	185030 185032	Dismantling wood work in frames, trusses; purlins and rafters/reepers including stacking the material within 50m lead of 185032:-Of sectional area below 40 Sqcm.	0.40	1455.94	Cum	582.38
53	186010 186011	Dismantling steel work in single sections including dismembering & stacking within 50m lead in 186011:-R.S. joists./ Rails	4900.00	0.84	Kg	4116.00
54	186010 186012	Dismantling steel work in single sections including dismembering & stacking within 50m lead in:- 186012:-Channels, angles, tees and flats/rounds or any other rolled shape.	2400.00	0.62	Kg	1488.00
55	192010 192011	Earth work in excavation for foundations and floors of the bridges, retaining walls etc., including setting out, dressing of sides, ramming of bottom, getting out the excavated materials, back filling in layers with approved materials and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil up to a lead of 300m, all types of shoring and strutting with all labour and materials complete as per drawing and technical specification as directed by Engineer in Charge. 192011-All kind of soils	1500.00	236.54	Cum	354810.00
56	192010 192012	Earth work in excavation for foundations and floors of the bridges, retaining walls etc., including setting out, dressing of				

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
		sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. incl. all lift, disposal of surplus soil upto a lead of 300 M, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer-in-charge 192012.-Ordinary rock	DELETED			
57	192050	Providing and laying in position machine mixed, machine vibrated and machine batched Design Mix Concrete M20 grade (Cast in situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality in abutment, pier, wing walls, and return walls of Mass Cement concrete above RCC raft including finishing complete as per specification and direction of the Engineer in Charge. Payment for cement, reinforcement and shuttering shall be paid extra.	750.00	1275.50	Cum	956625.00
58	194010	Providing and laying in position machine mixed, machine vibrated and machine batched Design Mix Cement Concrete M35 grade (Cast -in Situ) In Bottom/top slab, side walls, toe wall and sumps haunch filling head walls or any other component using 20 mm graded crushed stone aggregate and coarse sand of approved quality of cast-in-situ RCC box of size upto 5 M (bigger inside dimension) including finishing, Admixtures in recommended proportions (as per IS 9103), if approved in Mix design, to accelerate, retard setting of concrete, improve workability without impairing strength and durability, complete as per drawings and technical specifications as directed by Engineer in charge. Payment for cement, reinforcement and shuttering shall be paid extra	150.00	1275.50	Cum	191325.00
59	195030 195031	Centering and shuttering including strutting, propping etc. and removal of form for:- 195031:RCC raft foundation and pile cap.	90.00	145.30	Sqm	13077.00
60	195030 195032	Centering and shuttering including strutting, propping etc. and removal of form for:-	1770.00	282.60	Sqm	500202.00



Dy. Chief Project Manager-Civil
Signature of Tenderer
 National High Speed Rail Corporation Ltd.
 राष्ट्रीय उच्च गति रेल निगम लिमिटेड
 वडोदरा / Vadodara

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
		195032:-Abutment, pier, wing walls and return walls				
61	195030 195034	Centring and shuttering including strutting, propping etc. and removal of form for : 195034:-Approach slab at formation level, Dirt wall/ ballast wall at formation level	50.00	145.30	Sqm	7265.00
62	195030 195038	Centring and shuttering including strutting, propping etc. and removal of form for : 195038:-In Bottom/top slab, side walls, toe wall and sumps haunch filling head walls or any other component	570.00	282.60	Sqm	161082.00
63	221030	Supplying galvanized wire net trungrers made from 4 mm galvanized steel wire @ 32 kg per 10 sqm having minimum tensile strength of 300 Mpa conforming to IS:280 and galvanizing coating conforming to IS:4826, woven into mesh with double twist, mesh size not exceeding 100 x 100 mm	120.00	264.99	Sqm	31798.80
64	222010	Providing and laying Flooring with rubble stone ,laid over 15 cm thick CC 1:2:4 and the voids filled with CC 1:2:4 complete with the joints pointed with 1:2 Cement sand mortar as per drawing and Technical specifications. Payment for cement to be done separately. Voids in the rubble stone to be taken as 35% of the gross volume of the stone layer. (Base concrete to be paid extra)	490.00	1354.86	Cum	663881.40
65	222040	Supply and laying of coarse sand including consolidation, supply of all materials, labour, lead, lift, tools, plants, crossing of tracks as per drawing and technical specification as directed by the Engineer incharge in case loose slush is encountered at site of foundation before casting the foundation or before laying the filtering media.	300.00	1065.80	Cum	319740.00
66	222230	Painting the HFL and danger level marks, year of HFL on bridge abutments and piers with ready mixed paint as per standard in two coats over one coat of primer with all materials, labour, tools, scaffolding, all lead and lift etc including writing complete	4.00	126.81	Each Mark	507.24
67	222290	Providing Boulder backing behind wing wall, return wall, retaining wall with hand packed boulders & cobbles with smaller size boulders	270.00	205.45	Cum	55471.50

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
		towards the back including all lead, lift, labour & other incidental charges as complete work in all respect. Payment for boulders.cobbles will be done extra.				
68	222300	Dewatering of natural or accumulated water from any location. Payment to be done for Horse power of pump multiplied by pumping hours (3 HP x 20 hours)	60.00	25.51	HP Hour	1530.60
69	231010	Preparation of subgrade by excavating earth upto 22.5cm depth, dressing to camber and consolidating with power road roller of 8 to 12 tonne capacity including making good the undulations etc. and disposal of surplus earth with lead upto 50 metres	120.00	37.70	Sqm	4524.00
70	231020	Consolidation of subgrade with power road roller of 8 to 12 tonne capacity including making good the undulations etc. with earth or quarry spoils etc. and re-rolling the subgrade	120.00	1.37	Sqm	164.40
71	231040 231042	Providing and laying water bound macadam with specified stone aggregate, stone screening and binding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc. complete. 231042:-Base course with 63mm to 45mm size including stone screening 13.2mm size	30.00	824.32	Cum	24729.60
72	236020	Providing and laying design mix cement concrete in roads, having a cube strength of M-30 using cement, coarse sand and graded stone aggregate of 40mm nominal size as per approved design. mechanically vibrated, steel form work, curing, providing and filling construction & dummy joints with approved joint filler (conforming to grade B of IS: 1834) rounding of the edges, making & filling the grooves as per drawing	24.00	2244.67	Cum	53872.08
73	237050	Supplying and laying precast Kerb Stone of concrete M25 Grade 30cmX 20 cm (In Section / including chamfering as per design if any) including fixing in 1:6 cement sand mortar and pointing with 1:2 cement mortar (1 Cement : 2 Sand ordinary) including all excavation /refilling, ramming and other incidental works as required.	50.00	325.20	Metre	16260.00
74	237010	Providing and fixing Cat's Eye (Glow studs) heavy integral stem, reflective, aluminium die cast with elegant finish of size 100x100mm	20.00	494.80	Each	9896.00

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
		and 20mm high having a stem of 50mm (or 12mm dia. 90mm long) screwed and nailed to fix into the road surface or at the nosing of the central verge. The road studs should have reflectors fitted on one side of the studs (3Nos. 7 element or 1No. 29 element reflector) complete				
75	238050	Providing and applying 2.5mm thick road marking strips (retro-reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and in accordance with applicable specifications	50.00	1289.54	Sqm	64477.00
76	238060	Providing and fixing of raised pavement markers made of polycarbonate moulded body and reflective panels with micro prismatic lens made of polycarbonate with abrasion resistant coating. The length, weight and width of body shall not exceed 95 mm, 18mm and 105mm respectively. The lower surface of the RPM shall be supported with two nylon shanks, each of length not less than 25mm. Fixed to the road by using twin nylon shanks using bituminous adhesive on bitumen roads or without nylon shanks with epoxy resin adhesive on concrete roads as per directions of Engineer-In-charge. The RPM should conform to the quality standards as laid down in IR Standard Specifications	4.00	691.09	Each	2764.36
77	251120	3 mm thick translucent white acrylic plastic sheet	230.00	586.50	Sqm	134895.00
78	252080	Stone aggregate broken : 50mm nominal size.	4.00	488.75	Cum	1955.00
79	252090	Stone aggregate broken : 20mm nominal size.	4.00	546.25	Cum	2185.00
80	252120	Coarse Sand (Minimum zone II)	4.00	632.50	Cum	2530.00
81	252130	Fine sand (Zone IV) (Ordinary Sand)	25.00	402.50	Cum	10062.50
82	252390	Stone Bouldrs weighting minimum 35 Kg each.	50.00	345.00	Cum	17250.00

Schedule A						
Sl. No.	USSOR Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
83	USSOR 2011	Miscellaneous item not covered in above USSOR schedule items but are necessary to be executed to complete the balance work successfully in all respect covered under USSOR-2011 (Ch-1 to Ch-25)		All		300000.00
Total of Schedule-A						13569797.68

Schedule-B						
Sl. No.	NS Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
1	NS/01	Dismantling of existing BG track consisting of 90R/50Kg/60Kg or any other rails laid on ST/CST- 9/Wooden/PSC sleepers of varying sleepers density, other than turnout including leading and stacking released materials at specified location as directed by Engineer in Charge at site. The rates includes dismantling of SEJs, trap points, glued joints, block joints and shall not be paid seperately. The rates includes leading and stacking of all released materials like rails sleepers, fastenings complete. If rail cuts are required the same shall be paid seperately under relevant items.	50.00	106.00	TRM	5300.00
2	NS/02	Laying and linking of BG track straight or curved in main line/loops/sidings/dead ends etc. With 60Kg/52Kg/90R new/SH rails on PRC/ST/Wooden sleepers from M+4 to M+7 density or any other density as decided after preparing ballast bed to BG profile by ploughing, sacrificing and shifting existing ballast and using the existing ballast put on formation from stacks under relevant item and rollight the ballast bed with light roller. The rates includes contractor's own labour, tools & plants, equipments, light roller, lubricants fro rail joints with contractors own labour with initial manual packing for making it fit for 20 KMPH. Cutting and drilling holes will be paid seperately under relevant items. The item includes sprading of PRC /Any type of sleepers to the required density, providing all rails and sleepers fastenings, aligning, levelling packing as per track parameters specified,	25.00	185.00	TRM	4625.00

Schedule-B						
Sl. No.	NS Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
		dressing and boxing of ballast after packing, lubricating of rail joints and other P. Way fittings. Fittings shall be given from PWI's nominated depot. The roller shall be of minimum 3 tonne capacity. The rates includes cost of providing SEJs, Glued joints etc. as per site requirement.				
3	NS/03	Machine/Manual packing of track (BG) 1540/1660 sleeper density laid on PRC sleepers in 3 rounds of mechanised tamping / manual packing including packing of stacks to raise the speed to 75 KMPH done as per IRPWM and direction of engineer in charge including contractor's own tools and plants all leda lift freight labour etc. complete in all respect. As per specifications special conditions and detailed scope of work furnished in the tender and as directed by the engineer in charge.				
		(A) First round of packing	50.00	17.00	TRM	850.00
		(B) Second round of packing	50.00	11.00	TRM	550.00
		(C) Third round of packing	50.00	8.00	TRM	400.00
4	NS/04	Spreading of ballast: —Leading lifting and spreading of stone ballast with contractor's own labour , supervisor , tools and plants, consumables etc. complete including all lead lift descent crossing lines, making required profile etc complete as per specification and special conditions and detailed scope of work furnished in the tender and as directed by the Railway engineer in charge.	200.00	201.69	Cum	40338.00
5	NS/05	Making cut by Hack Saw blades 52Kg/60Kg/90R/ 90BS rails with on Cess/In situ with contractor's own tools and labour and cutting equipments etc. complete.	10.00	120.25	Each	1202.50
6	NS/06	Making 32mm dia holes true in 52Kg/60Kg rails web either on cess or in running lines with contractor's own machine, tools, plants and labours complete. The rate shall include chmfering of drilled holes with contractor's own chamfering machine. (Rates accepted vide Tender No. DRM 78 of 2011-112 dated 16.02.2012	20.00	37.80	Each	756.00


 Dy. Chief Project Manager-Civil
 उप मुख्य परियोजना प्रबंधक-कृत्रिम
 National High Speed Rail Corporation Ltd.
 Signature of Tenderer
 वाडोदारा / Vadodara

Schedule-B						
Sl. No.	NS Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
7	NS/07	Protection of track and other misc. work as and when required by the Engineer in Charge arranging of labours for various works such as protection of track etc. with contractor's tools and plants, equipment hand signal flags, spanners, hammers etc. complete as per specification and special conditions and detailed scope of work as furnished in the tender and as directed by Engineer in charge of the work. Note:-For the paying quantities, a total of 12 hours duty of a man will be counted a man day.	150.00	200.00	Man Day	30000.00
8	NS/08	Placement of Precast segment box with the help of Road crane at desired location, Carefully by lifting and packing method during traffic and power block with all contractor's labours tools and material, crane, Machinery, preparation of surface as directed by Engineer, including filling of joints by epoxy mortar and laying of required of sand including cost of epoxy and sand including all material and labour tools plants machinery etc. complete. with all lead and lift	335.00	3520.00	MT	1179200.00
Total of Schedule-B						1263221.50

Schedule-C						
Sl. No.	NS Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
1	NS/01	Mobilization/ Demobilization of equipments and Manpower to the sites.	1.00	1500.00	Job	1500.00
2	NS/02	"Conducting 2nos. of bore holes of 100-150mm dia below existing ground surface through normal soil i.e. sandy, silty, clayey strata (excluding hard/ boulder/ rocky) up to 15.0m depth or refusal including conducting standard penetration test (SPT) and collecting/ preserving SPT samples, as per specifications. (refusal shall mean SPT value 50 or more for 15.0cm penetration) with the help of manual drilling including conducting standard penetration test (SPT) and collecting/ preserving SPT samples, as per specifications and collecting disturbed soil	30.00	825.00	Metre	24750.00

	samples (DS) & undisturbed soil samples (USD) as per specifications including related reports. (As per Tender)"					
Total of Schedule-C						26250.00

Schedule-D						
Sl. No.	NS Item No.	Description of work	Qty.	Rate Rs. Ps.	Unit	Amount Rs. Ps.
1	NS/01	Hiring of diesel pump capacity of 7.50 HP in ideal condition including the expenditure on diesel, labour and maintenance, providing operator for 24 hours, outlet pipe transportation and installation, repairs etc. (1 Nos x 1 Years x 6 Months = 06 Nos)	6.00	17000.00	Each/ Month	102000.00
Total of Schedule-D						102000.00



Dy. Chief Project Manager-Civil
उप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड
वडोदरा / Vadodara

Schedule- Construction of One No Road Under Bridge (RUB) on Single line Railway track (Connecting Chord line between Ahmedabad-Vadodara line & Godhra -Vadodara Line at High Speed Rail Alignment between Mumbai & Ahmedabad (HSRMA) Chainage KM 402/935M in Karodiya Village, Vadodara.

OFFER SHEET

Sl. No.	Schedule	Cost of schedule in Rs. Ps.	RATE QUOTED BY THE TENDERER	
			In Figures	In Words
1	"A" (USSOR 2011 ITEMS)	13569797.68	_____ %age Above/Below/At par*	_____ %age Above/Below/At par*
2	"B" (NS ITEMS)	1263221.50	_____ %age Above/Below/At par*	_____ %age Above/Below/At par*
3	"C" (NS ITEMS)	26250.00	_____ %age Above/Below/At par*	_____ %age Above/Below/At par*
4	"D" (NS ITEMS)	102000.00	_____ %age Above/Below/At par*	_____ %age Above/Below/At par*


* Strike whichever is not applicable (above/below/At par)

NOTES:-

1. If the tenderer is not clearly mentioning that the rates "Above, Below or At par", or kept blank then the rates shall be considered as ambiguous. And the offer will be summarily rejected.
2. In case of any discrepancy in the quoted rates in between the rates quoted in words and figures, the rates quoted on lower side shall be considered.
3. Tenderer(s) is/are requested to quote rates as single percentage for the entire each schedule. If rates are quoted item-wise, in a particular schedule the offer will not be considered.
4. All quoted rates are excluding of GST.

Signature of Tenderer

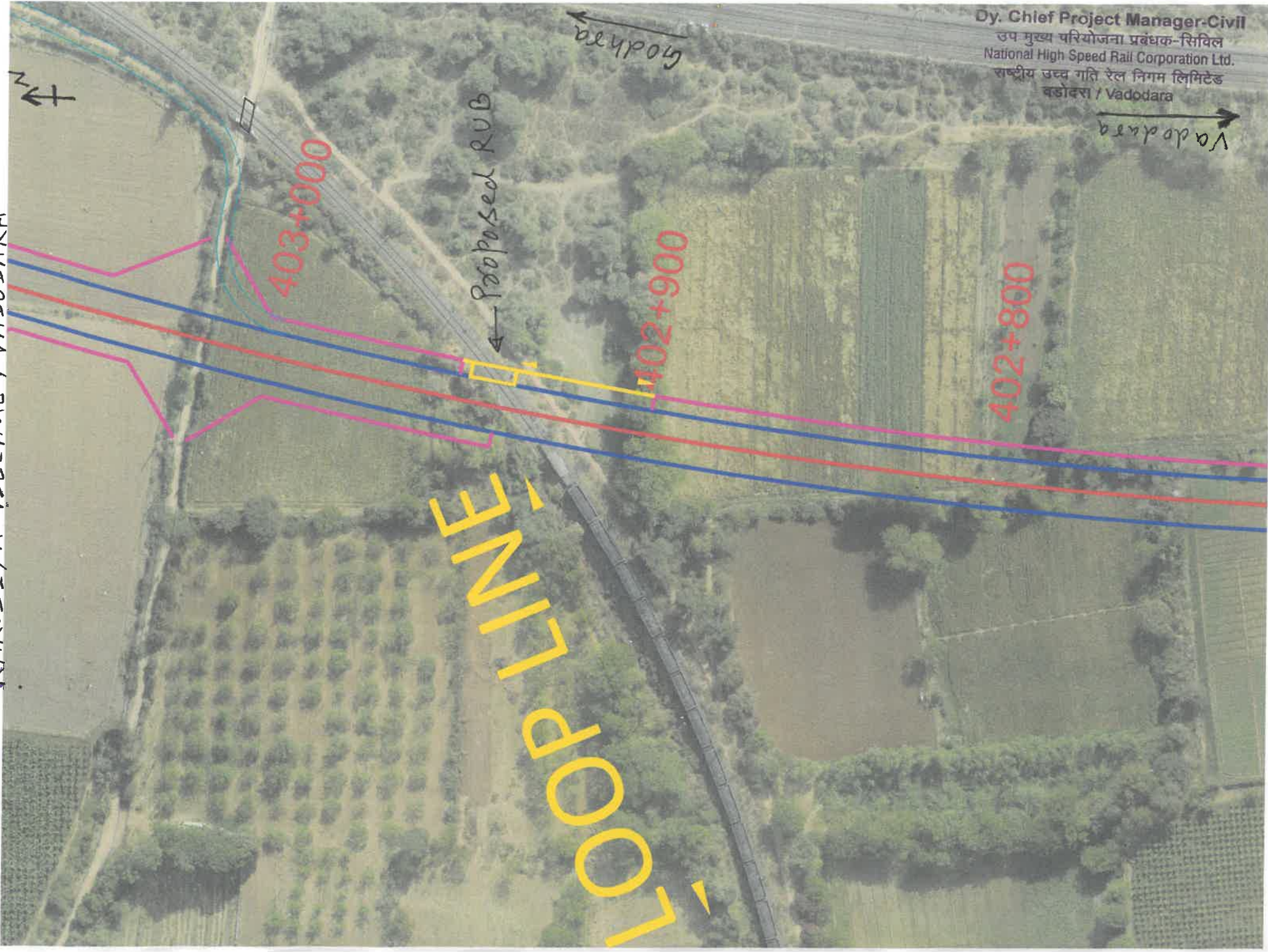
Date:- _____

 **Dy. Chief Project Manager-Civil**
 उप मुख्य परियोजना प्रबंधक-सिविल
 National High Speed Rail Corporation Ltd.
 राष्ट्रीय उच्च गति रेल निगम लिमिटेड
 Vadodra
 Signature of Tenderer

END OF DOCUMENT

By: Chief Project Manager-Civil
सप मुख्य परियोजना प्रबंधक-सिविल
National High Speed Rail Corporation Ltd.
राष्ट्रीय उच्च गति रेल निगम लिमिटेड
वडोदरा / Vadodara
Signature of Tenderer

KARODIYA VILLAGE, VADODARA



PROPOSED RUB LOCATION. IN CHORD LINE/LOOP LINE