

Tender No. NHSRCL/VADODARA/PARCEL/2019-20/02

National High Speed Rail Corporation Limited
(NHSRCL)

(A Joint Sector Company of Govt. of India and
Participating State Government)



CONSTRUCTION OF PARCEL OFFICE NEAR PLATFORM NO. 7 AT VADODARA
STATION IN CONNECTION WITH MUMBAI AHMEDABAD HIGH SPEED RAIL
PROJECT


Tender No.: NHSRCL/VADODARA/PARCEL/2019-20/02

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.


Dr. Deep II

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Tender No. NHRCL/VADODARA/PARCEL/2019-20/02
TOP SHEET

No.: NHRCL/VADODARA/PARCEL/2019-20/02

Name of services : **Construction of Parcel Office near platform No. 7 at Vadodara Station in Connection with Mumbai Ahmedabad High Speed Rail Project.**

Estimated Cost : **₹. 35,26,311.70 (Thirty-Five Lakhs Twenty-Six Thousand Three Hundred Eleven and Seventy Paise Only) + GST**

Cost of Tender Document : **₹. 3,540 /- (Three Thousand Five Hundred Forty Only) including GST**

Earnest Money : **₹. 70,527 - (Seventy Thousand Five Hundred Twenty-Seven only)**

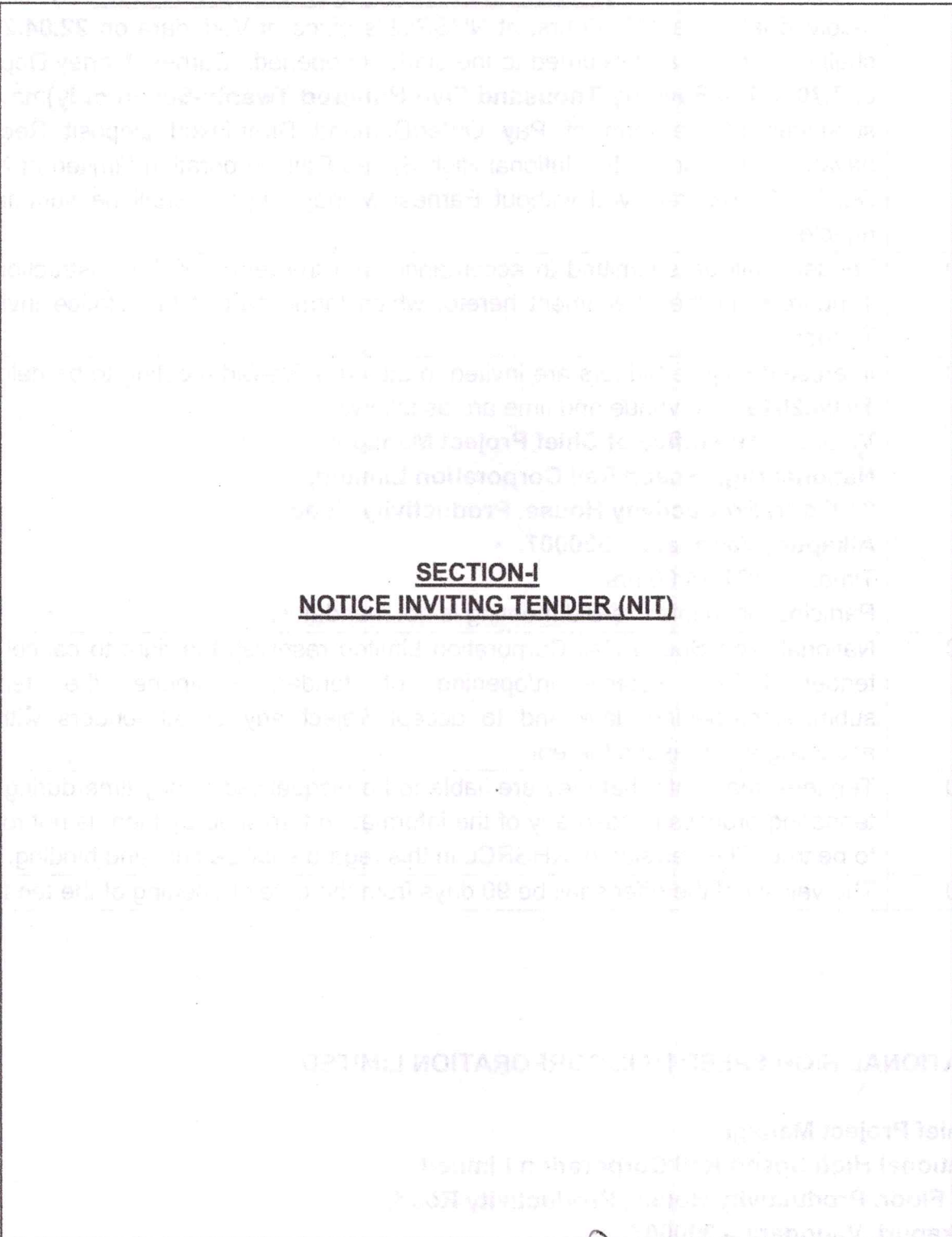
Completion Period : **03 (Three) months**

Last Date of Submission : **22.04.2019 at 15:00 hrs.**

Date of opening of Technical Bid : **22.04.2019 at 15:30 hrs.**

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





SECTION-I
NOTICE INVITING TENDER (NIT)

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



NHRCL/VADODARA/PARCEL/2019-20/02

NOTICE INVITING TENDER

**Sub: Construction of Parcel Office near platform No. 7 at Vadodara Station in
Connection with Mumbai Ahmedabad High Speed Rail Project.**

1.0 Chief Project Manager, National High Speed Rail Corporation Limited, 3rd Floor, Productivity House, Productivity Road, Alkapuri, Vadodara – 390007 invites sealed Tender in prescribed forms for the above mentioned work.


Sl. No.	Name of Services	Time & Date of Submission	Earnest Money Deposit (₹.)	Completion Period
1.0	Construction of Parcel Office Near Platform No. 7 at Vadodara Station in Connection with Mumbai Ahmedabad High Speed Rail Project	Up to 22.04.2019 at 15:00 hrs.	₹. 70,527 - (Seventy Thousand Five Hundred Twenty-Seven only))	03 (Three) Months

2.0	<p>The cost of Tender Document is ₹. 3,540 /- (Three Thousand Five Hundred Forty Only) inclusive of GST@18%, in the form of DD or banker's cheque from any Nationalized or Scheduled Indian Bank in favour of "National High Speed Rail Corporation Limited", payable at New Delhi.</p> <p>The tender documents will be available for download on www.nhrcl.in under the link "Tenders -->Active Tenders".</p> <p>The cost of tender document should be submitted along with tender form in the form of Pay Order/Demand Draft/Fixed Deposit Receipt payable in favour of M/s National High Speed Rail Corporation Limited at New Delhi</p>
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3.0	Completed original tender documents sealed in an envelope super-scribing the name of work; name of the bidder and address of the tender, shall be submitted at NHRCL's office at address in Para 1.0 above on or before 15:00 hrs. on 22.04.2019 . Tender duly sealed in the prescribed manner above can also be sent through Registered Post/Courier so as to reach at the office address given in para 1.0 above not later than 15.00 hrs. on 16.04.2019 . Any tender received later than 15:00 hrs. at NHRCL's office at Vadodara on 22.04.2019 shall be rejected and returned to the bidder unopened. Earnest Money Deposit of ₹.70,527 - (Seventy Thousand Five Hundred Twenty-Seven only) may be submitted in the form of Pay Order/Demand Draft/Fixed Deposit Receipt payable in favour of M/s National High Speed Rail Corporation Limited at New Delhi. Tender received without Earnest Money Deposit shall be summarily rejected.
4.0	Tender shall be submitted in accordance with the terms of the "Instruction to Tenderers" in the attachment hereto, which forms part of this Notice Inviting Tender.
5.0	Interested eligible bidders are invited to attend a Pre-Bid meeting to be held on 15.04.2019 . The venue and time are as follows: Venue: The office of Chief Project Manager, National High Speed Rail Corporation Limited, 3rd Floor, Productivity House, Productivity Road, Alkapuri, Vadodara – 390007. Time: IST 14:00 hrs. Participation in this Pre-Bid meeting is not mandatory.
6.0	National High Speed Rail Corporation Limited reserves the right to cancel the tender before submission/opening of tender, postpone the tender submission/opening date and to accept /reject any or all tenders without assigning any reasons thereof.
7.0	Tenderer may note that they are liable to be disqualified at any time during the tendering process in case any of the information furnished by them is not found to be true. The decision of NHRCL in this regard shall be final and binding.
8.0	The validity of the offer shall be 90 days from the date of opening of the tender.

NATIONAL HIGH SPEED RAIL CORPORATION LIMITED

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



SECTION-II
FORM OF BID

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FORM OF BID

To,

NATIONAL HIGH SPEED RAIL CORPORATION LIMITED

Acting through

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

Dear Sir,

I/We, _____ (Name and address of the Tenderer) have read the various terms and conditions of the tender documents attached herewith duly signed by me/us and agree to abide by the same. I/We also agree to keep this tender open for acceptance for a period of 90 days from the date fixed for opening the same.

I/We have quoted our rates in the Bill of Quantities taking into account all the above factors and we offer to do the work "**Construction of Parcel Office near platform No. 7 at Vadodara Station in Connection with Mumbai Ahmedabad High Speed Rail Project**" quoted in the attached Bill of Quantities and hereby bind ourselves to complete the work in all respects within time schedule depicted in tender documents from the date of issue of letter of acceptance of tender.

I/We also understand that until a formal Contract Agreement is executed, Letter of Acceptance along with all tender documents shall constitute a binding contract between me/us and National High Speed Rail Corporation Limited.

Thanking you,

Yours faithfully,

Signature _____ in capacity of _____

_____ duly authorised to sign bids for and on behalf of:

(In Block capital letters)



Date this _____ day of _____ 2019

SECTION-III

General Terms and Condition of Contract

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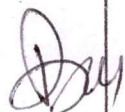
A.	INTRODUCTION
1.0	<u>General</u>
1.1	Name of the Work: As indicated in 'Appendix to Tender. i.e." Construction of Parcel Office near platform No. 7 at Vadodara Station in Connection with Mumbai Ahmedabad High Speed Rail Project"
1.2.1	<p>The bidder should accompany the following documents duly sealed in the tender envelope:</p> <ul style="list-style-type: none"> i) Attested copies of Affidavit for sole proprietorship / partnership deed / memorandum and Articles of Association along with details pertaining to place of registration, principal place of business of the firm, etc. ii) Attested copy of power of attorney on non judicial stamp paper of appropriate value of the signatory of bid on behalf of the tenderer. iii) Earnest Money Deposit of ₹.70,527 - (Seventy Thousand Five Hundred Twenty-Seven only) may be submitted in the form of Pay Order/Demand Draft/Fixed Deposit Receipt payable in favour of M/s National High Speed Rail Corporation Limited at New Delhi. Tender received without Earnest Money Deposit shall be summarily rejected. iv) Attested copy of Goods and Service Tax Registration (as applicable) & PAN Card.
1.2.2	<p>Following documents are essential and must be submitted as part of tender offer:-</p> <p>The detailed proposal shall include but be not limited to the following:</p> <ul style="list-style-type: none"> I. Envelope-A: Earnest Money Deposit: II. Envelope-B: Technical & Financial proposal
1.2.3	<p>1. The procedure for submitting bids:</p> <p>Above mentioned Envelope-A, Envelope-B should be clearly marked on top and properly sealed separately. All these three envelopes should be properly kept in single envelope which is superscripted as "Construction of Parcel Office near platform No. 7 at Vadodara Station in Connection with</p>

	<p>Mumbai Ahmedabad High Speed Rail Project ” and addressed to the Chief Project Manager, National High Speed Rail Corporation Limited, 2nd floor, Productivity house, productivity road, Alkapuri, Vadodara.</p> <p>The sealed tender offer should be submitted to the office of Chief Project Manager, National High Speed rail Corporation Limited, 3rd floor, Baroda productivity council building, productivity road, Alkapuri, Vadodara-390007, on or before 16.04.2019 upto 1500 Hrs.</p> <p>2. Evaluation of the offers received:</p> <p>On scheduled date of opening of TENDER OFFER document, Envelope-A i.e. EMD amount & Envelope-B.</p> <p>After finalisation of technical bids, financial bids of only successful eligible tenderers will be opened. The date of the same will be intimated afterwards.</p> <p>In case of unsuccessful firm in either Envelope-A or Envelope-B, the sealed Envelope-C containing the Financial bid will not be opened at all, and will be returned back, treating it as invalid.</p> <p>In case of financial bid is included along with Technical Bid in envelope B, the bid will be summarily rejected.</p>
1.3	The work is proposed to be executed under the following relationship:
a)	Client: National High Speed Rail Corporation Limited, 3rd Floor, Productivity House, Productivity Road, Alkapuri, Vadodara – 390007.
b)	Employer: National High-Speed Rail Corporation Limited address as above.
c)	Contractor: The successful Tenderer to whom the work is awarded shall become the Contractor who will execute the work.
1.4	Throughout these bidding documents, the terms “bid” and “tender” and their derivatives (“bidder”/ “Tenderer”) “bid/tendered”, “bidding”/ “tendering” etc. are synonymous. Day means calendar day.
1.5	Scope of Work: Construction of Parcel Office near platform No. 7 at Vadodara Station in Connection with Mumbai Ahmedabad High Speed Rail Project”
1.6	Tenderers may carefully note that they are liable to be disqualified at any time during the tendering process in case any of the information furnished by them is found to be inaccurate or untrue. Tenderers may carefully note that they are liable to be disqualified at any time during the tendering process in case any of the information furnished by them is found to be inaccurate or untrue.

1.7	A Tenderer shall submit only one bid in the capacity of an Individual or Sole Proprietor, Partnership firm or Company. Violation of this condition is liable to a Tenderer's disqualification.
2.0	Rates / Prices/Costs
	The rates shall be offered in the enclosed "Bill of Quantity" (BOQ). The rates shall include cost of all activities, wages, all allowances and benefits, payment towards entitled medical and annual leave, PF & PF contributions, incidental costs, insurance (as applicable). GST, toll tax, parking charges will be paid extra after submission of documentary evidence.
B	BIDDING DOCUMENTS
3.0	Content of bidding documents
3.1	The bidding documents include the following: Notice Inviting Tender (NIT) Form of Bid General Condition of Contract Terms of References (ToR) Special Condition Annexures/Performa's Bill of Quantities
3.2	The bidder is expected to examine all instructions, terms, conditions, forms, specifications and any other information in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the bidder's risk and may result in rejection of their bid.
4.0	COST OF BIDDING
4.1	The bidder shall bear all costs associated with the preparation and submission of the bid and the Employer will in no case be responsible or liable for these costs regardless of the conduct or the outcome of the bidding process.
5.0	UNDERSTANDING AND AMENDMENT OF TENDER DOCUMENTS
5.1	The bidder must obtain for itself on its own responsibility and its own cost all the information including risks, contingencies & other circumstances in execution of the work. It shall also carefully read and understand all its obligations & liabilities given in tender documents.
5.2	At any time prior to the deadline for submission of bids, Employer may for any reason whether at its own initiative or in response to any request by any prospective bidder amend the bidding documents by issuing Corrigendum, which shall be part of the Tender documents. The amendment shall also be published in NHSRCL website.

5.3	Tender documents can be downloaded from official website of NHSRCL i.e. www.nhsrcl.in . Employer may at its discretion extend the deadline for submission of the bids at any time before the time of submission of the bids and the same will be published in NHSRCL website (www.nhsrcl.in). Corrigendum if any will be available on the official website which may be checked till one day before opening of tender.
C	PREPARATION OF BIDS
6.0	Language of Bid
6.1	The bid prepared by the bidder and all documents related to the bid shall be written in English.
7.0	Signing of all Bid Papers and Completing Bill of Quantities
7.1	All the pages of the tender documents, Bill of Quantities and accompanying documents must be properly stamped and signed by the authorized signatory holding the Power of Attorney on each page. (The bidder is to enclose a copy of Power of Attorney).
7.2	Bidder shall quote price/rate for all the BOQ items. While filling up the rates in the Bill of Quantities, bidder shall ensure that there is no discrepancy in the rates and amounts. In case of any discrepancy, the unit rate mentioned in respective column for rate and the amount mentioned for lump-sum items shall be taken as final and binding.
7.3	The bidder must fill and submit the prices and % rate above or below as per instructions given in Bill of Quantities. He shall not make any addition or alteration.
7.4	Any overwriting, erasures or cancellations shall only be valid, if they are initialed by the signatory (ies) to the bid.
8.0	DEVIATIONS
8.1	The bidder should clearly read and understand all the terms and conditions, specifications, corrigendum etc. mentioned in the original tender documents. If the Tenderer has any observations, the same may be indicated in his forwarding letter along with the tender. The Tenderer is advised not to make any corrections, additions or alterations in the original bid documents. If bidder makes any correction in his own entries the same shall be initialed and stamped by him. If this condition is not complied with, bid is liable to be rejected.
D	SUBMISSION OF BIDS:
9.0	Deadline for submission of tender

9.1	The tender duly filled must be received by Employer at address specified not later than the date and time as mentioned in the "Notice Inviting Tender".
9.2	Any tender related documents received later than the deadline prescribed for submission of tender by Employer shall be rejected.
9.3	Any Tender received after opening of the tender shall be rejected and returned unopened to the Tenderer.
10.0	WITHDRAWAL OF TENDER
10.1	No tender can be withdrawn after submission and during tender validity period.
10.2	Submission of a tender by a Tenderer implies that he had read all the tender documents including amendments if any, visited the site and has made himself aware of the scope and specifications of the work to be done, local conditions and other factors having any bearing the work.
11.0	Sealing and Marking of tender document
11.1	The bidder shall submit the sealed tender in original clearly mentioning the name of work, due date and time of submission of the tender, name and address of the bidder and address of the tenderer.
12.0	TRANSFER OF TENDER DOCUMENTS Transfer of Tender documents purchased by one intending Tenderer to another Tenderer is not permissible. Tenderer can submit tender only on the documents purchased by him.
13.0	EARNEST MONEY DEPOSIT
13.1	Earnest Money Deposit
	The Tenderer must furnish the Earnest Money as indicated in 'NIT' for the work as specified failing which the tender shall be summarily rejected. The Earnest Money may be in any one of the following forms:
	<p>a. Pay Order/Demand Draft of any Scheduled Bank in India in favour of National High Speed Rail Corporation Limited payable at New Delhi. It is mandatory for bidders to provide their bankers details (name of bank and branch) along with their own bank details (account no., name of account holder, NEFT / RTGS details).</p> <p>b. Fixed Deposit Receipt issued by any Scheduled Bank in India endorsed in favour of National High Speed Rail Corporation Limited payable at New Delhi.</p> <p>For the successful Tenderer, earnest money will be retained as part of the security deposit.</p>



13.2	Forfeiture of Earnest Money:
	The Earnest Money of the successful Tenderer is liable to be forfeited if he fails to: sign the Contract Agreement in accordance with the terms of the tender, or Commence the work within the time period stipulated in the tender, or withdraws his tender offer within the validity period.
	In case of forfeiture of EMD, the Tenderer shall be debarred from bidding in case of re-invitation of the tenders.
13.3	Return of Earnest Money:
	The Earnest Money of the unsuccessful Tenderers will be returned in due course.
14.0	PERIOD OF VALIDITY OF THE TENDER
14.1	The tender shall remain valid for the period indicated in "NIT" after the date of the opening of the tender. If the Tenderer gives validity period less than that fixed/prescribed by Employer, the tender shall be summarily rejected.
15.0	SUBMISSION OF TENDERS
15.1	Submission of tender as per clause no. 1.2.2 & 1.2.3 of General Terms and Condition of Contract .
16.0.	BID OPENING AND EVALUATION
16.1	Tenders will be opened at the address mentioned in "Notice Inviting Tender" in presence of Tenderers or authorized representatives of Tenderers who wish to attend the opening of tender. Physical presence during Bid opening is optional.
16.2	Tenderers or their authorized representatives who are present shall sign register in evidence of their attendance.
16.3	Tenderers name, presence or absence of requisite total cost of work quoted or any other details as Employer may consider appropriate will be announced and recorded at the time of bid opening.
17.0	CLARIFICATION OF THE TENDERS
17.1	To assist the examination, evaluation and comparison of the tenders, Employer may at his discretion ask the Tenderers for any clarifications as considered essential. All such correspondence shall be in writing and no change in price or substance of the tender shall be sought or permitted. The

	above clarification for submission of the details shall form part of the tender and shall be binding on Tenderer.
18.0	NEGOTIATION
18.1	<p>The Employer/Officer-in-charge reserves the right to negotiate the offer submitted by the Tenderer/s to withdraw certain conditions or to bring down the rates to a reasonable level. The Tenderer must note that during negotiation of rates of items of BOQ can only be reduced and not increased by the Tenderer. In case the Tenderer introduces any new condition or increases rates of any item of BOQ, his negotiated offer is liable to be rejected and the original offer shall remain valid and binding on him.</p> <p>Should NHSRCL decide to negotiate with view to bring down the rates, the Tenderer called for negotiation should furnish the following form of declaration before the commencement of negotiation.</p> <p>“I _____ do declare that in the event of failure of contemplated negotiations relating to Tender No. _____ dated _____ my original tender shall remain open for acceptance on its original terms and conditions.”</p>
19.0	Evaluation of Bid.
19.1	The Employer shall examine the bids to determine whether they are complete, whether copy of all relevant documents have been received not later than the prescribed date and time for bid submission and generally in order.
19.2	Arithmetical errors shall be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected.
19.3	<p>Prior to the detailed evaluation, Employer shall determine whether each bid is of acceptable quality, is generally complete and is substantially responsive to the bidding documents. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the bidding documents without material deviations, objections, conditionality or reservation. A material deviation, objections, conditionality or reservation is one:</p> <p>That affects in any substantial way the scope, quality or performance of the contract.</p>

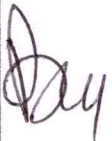
	That limits in any substantial way, inconsistent with the bidding documents, the Employers' rights or the successful Bidder's obligations under the contracts; or Whose rectification would unfairly affect the competitive position of other Bidders who are presenting substantially responsive bids.
19.4	In case of tenders containing any conditions or deviations or reservations about contents of tender document, Employer may ask for withdrawal of such conditions/deviations/reservations. If the Tenderer does not withdraw such conditions/deviations/ reservations, the tender shall be treated as non-responsive. Employer's decision regarding responsiveness or non-responsiveness of a tender shall be final and binding.
20.0	CANVASSING
20.1	No Tenderer is permitted to canvass to Employer on any matter relating to this tender. Any Tenderer found doing so may be disqualified and his bid may be rejected.
21.0	RIGHT TO ACCEPT ANY TENDER OR REJECT ALL TENDERS
	Employer/officer-in-charge reserves the right to accept, split, divide, negotiate, cancel or reject any tender or to annul and reject all tenders at any time prior to the award of the contract without incurring any liability to the affected Tenderers or any obligation to inform affected Tenderer, the grounds of such action.
22.0	AWARD OF CONTRACT
22.1	Employer/ officer-in-charge shall notify the successful Tenderer in writing by a Registered Letter/Courier/ Speed Post/FAX or per bearer that his tender has been accepted.
22.2	Letter of Acceptance shall constitute a legal and binding contract between Employer/Officer-in-charge and the Contractor till such time the contract agreement is signed. The contract agreement is to be signed.
23.0	STANDARD OF SERVICE (S)
	Tenderer shall carry out the services in conformity with the generally accepted norms and sound standards. Tenderer shall be responsible for the services rendered. In case of any deficiency or otherwise Tenderer shall promptly correct the same. The Contractor shall indemnify and save harmless NHSRCL from and against all actions, suit proceedings losses, costs, damages, charges, claims and demands of every nature and description brought or recovered against

	NHSRCL by reason of any act or omission of the Contractor, his agents or employees, in the execution of the works or in his guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the actual loss or damage sustained, and whether or not any damage shall have been sustained.
24.0	COMPLETION OF WORK (S)
	The duration of work shall be 03 months.
25.0	TERMINATION
	Notwithstanding anything otherwise contained in the agreement, if the contractor, for any reason whatsoever, is unable or unwilling to perform the works for a considerable period, the "NHSRCL" shall be entitled to terminate agreement or the order of a particular work upon 30 days written notice to Tenderer.
26.0	INSURANCE
	Tenderer shall arrange for any payment of the cost of Personal Accident Insurance in respect of their employee(s) & equipment's at site assigned for performance of the obligations under the conditions of agreement i.e. third party insurance.
27.0	PATENTS:
	No patented or patent pending articles, methods or device shall be used or supplied in connection with the work or incorporated in the work without the prior written approval of the NHSRCL, if the terms of purchase involve or require the payment of any license fee or royalty in addition to the purchase price, and do not contain patent indemnification in a form satisfactory to NHSRCL. Tenderer shall not publish any/article or photograph relating to work without written consent NHSRCL.
28.0	LAWS GOVERNING AGREEMENT
	Disputes, controversies or differences of any kind whatsoever which may arise between the parties, out of or in relation to or in connection with the consultancy agreement, or for the breach thereof including claims or questions as to damages shall be settled between the parties by doing utmost, in a fair and amicable manner, in a spirit of mutual co-operation. Notwithstanding such efforts, in case the dispute shall not be settled/resolved by mutual co-operation, all disputes of differences whatsoever arising between the parties out of or in relation to the any meaning and operation or effect of this contract of the breach thereof shall be settled in accordance with the DPE guidelines in this regard.

29.0	FORCE MAJEURE
	<p>War, invasion, revolution, riots, sabotage, lockouts, strikes, work shutdowns imposed by Government Acts it legislature or other authorities stoppage in supply of materials fuel or electricity, breakdowns of machinery, act of God, epidemics, or any other acts or events whatsoever which are beyond reasonable control of Tenderer and which shall directly or indirectly prevent completion of the project within the time specified in the agreement, will be considered Force Majeure.</p> <p>Tenderer shall be granted necessary extensions to cover the delay as caused by Force Majeure without any financial repercussions.</p>



SECTION-IV
TERMS OF REFERENCE (TOR)



1. General Information of the Project:

NHRCL is implementing 508 Km long Mumbai-Ahmedabad High Speed Railway Project (hereinafter called as Project) starting from Bandra Kurla Complex in Maharashtra and terminating at Sabarmati in Gujarat.

A	GENERAL OBLIGATION
2.0	Laws Governing the Contract
2.1	The contract shall be governed by the laws in force in GUJARAT.
3.0	MOBILISATION ADVANCE
3.1	No mobilization Advance shall be paid by NHRCL.
4.0	DELETED
4.1	
5.0	Medical and Personal Accident Insurance
5.1	Medical and Personal Accident Insurance will be borne by the Contractor. This insurance shall protect the contractor and NHRCL against all claims arising from injuries, disabilities, disease or death of members of public or damage to property of others, due to any act or omission or commission on the part of the contractor, his agents/representatives and sub-contractors. This insurance shall also cover all the liabilities of the contractor arising out of the clause entitled 'Defence of Suits' under General Conditions of Contract.
5.2	The above are only an illustrative list of insurance covers normally required, and it will be the sole responsibility of the contractor to maintain all necessary insurance coverage to the extent both in time and amount to take care of all his liabilities either direct or indirect in pursuance of the contract.
6.0	Payment Terms
6.1	Payment of wages, all allowances and benefits, leave entitlement, EPF Contributions, insurance (as applicable) etc., shall be the Contractor's responsibility as per the Acts prevailing in India and Local Authority.
6.2	Payment shall be released to Contractor on monthly basis, on submission of monthly running account bill duly certified by Officer of NHRCL and the bill should be invariably accompanied by photo copy of logbook (daily basis) signed by nominated NHRCL official. Taxes likes GST, Toll tax, parking etc. shall be paid extra at actual submission of documentary proof by the contractor.

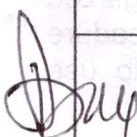
6.3	All measurements and quantities shall be expressed in units as defined in "Bill of Quantities"
6.4	All payment to the Contractor shall be made through RTGS / A/c payee cheque. For the purpose of RTGS Contractor has to provide his A/c Number, name of Bank, IFSC code of Bank and Address of bank etc.
7.0	Completion period
7.1	The entire services covered under this contract shall be completed within a period as specified in the "NIT" from the date of issue of Letter of Acceptance by NHRCL.
7.2	Contract period of 03 (Three) months is provided.
8.0	Priority of Contract Documents.
8.1	All tender documents forming the contract between NHRCL and the Contractor are mutually explanatory of each other. In case of any conflict, discrepancy, inconsistencies, ambiguities between the various documents in the contract, the following order of priority shall be followed. However, the interpretation of Engineer/Employer shall be final in this regard. (a) Agreement (b) Letter of Acceptance of tender. (c) Notice Inviting Tender (NIT) (d) Form of Bid (e) General Condition of Contract (f) Terms of References (ToR) (g) Special Condition (h) Annexures/Performa's (i) Bill of Quantities
9.0	Appendix to Tender
9.1	Tenderer shall read carefully " NIT".
10.0	Accepted Rate applicable till the completion of work.
10.1	The rates as per the accepted Bill of Quantities shall be firm and hold good till the completion of the work. The price adjustment shall be done as per point no.2 of Note of BOQ.
10.2	The Contractor shall be fully responsible for all welfare requirements of the driver, including (but not limited to), their accommodation, meals, wages, salary, transport to and from the site and entitlement.
11.0	Indemnity by the Contractor
11.1	The Contractor shall hold and save harmless and indemnify the Client/Employer/

	officer-in-charge and their employees, from all actions, suits, proceedings, loss, costs, damages, charges, claims and demands of every nature and description brought against or recovered from the Client/Employer/ officer-in-charge and their employees by reason of any act or omission of the Contractor and/or his representative and/or his Employees and/or his Contractor in the execution of the works or in the guarding of the same. All the sums payable by Client /Employer/ officer-in-charge by way of compensation under any of these conditions shall be recovered from the dues of the Contractor, without reference to the actual loss or damage sustained, and whether or not any damage shall have been sustained.
12.0	Termination
12.1	If the Contractor abandons the contract, or persistently disregards instructions of the Officer-in-charge or contravenes any provisions of the contract, or fails to adhere to the agreed program of work or fails to provide services as desired by the officer or part thereof within time because of poor service; as per the terms & conditions of contract, then the contract for the hiring of vehicle shall be subject to termination without prejudice.
13.0	OTHER CONDITIONS
13.1	The Contractor must ensure its supply of the vehicle and driver to NHSRCL shall be lawful in all respects, and shall not under any circumstances put NHSRCL in any position where NHSRCL is in breach of any laws, regulations, or directions of any authority including (but not limited to) laws, regulations or directions dealing with health, safety, timely payment of wages, minimum wages and provision of staffs.
14.0	Unfulfilled Obligations
14.1	Notwithstanding the issue of Completion Certificate, the Contractor and the officer-in-charge shall remain liable for the fulfillment of any unfulfilled obligations under the provision of the contract, prior to the issue of such Certificate, and for the purpose of determination of the nature and extent of any such obligation, the contract shall be deemed to remain in force between the parties thereto.
15.0	Settlement of Disputes
16.1	All disputes or differences of any kind whatsoever that may arise between the Employer/ officer-in-charge and the Contractor in connection with or arising out of the contract or subject matter thereof or the execution of works, whether during the progress of works or after their completion, whether before or after termination of contract shall be settled as under:
17.0	Mutual Settlement
17.1	All such disputes or differences shall in the first place be referred by the Contractor to the Employer in writing for resolving the same through mutual discussions, negotiations, deliberation etc. associating representatives from both the sides and concerted efforts shall be made for reaching amicable settlement of disputes or differences.

18.0	Conciliation / Arbitration.
18.1	It is a term of this contract that Conciliation / Arbitration of disputes shall not be commenced unless an attempt has first been made by the parties to settle such disputes through mutual settlement.
18.2	If the Contractor is not satisfied with the settlement by the Employer on any matter in question, disputes or differences, the Contractor may refer to the Managing Director of NHRCL in writing to settle such disputes or differences through Conciliation or Arbitration provided that the demand for Conciliation or Arbitration shall specify the matters, which are in question or subject of the disputes or differences as also the amount of claim, item wise. Only such dispute (s) or difference (s) in respect of which the demand has been made, together with counter claims or the Employer shall be referred to Conciliator or Arbitrator as the case may be and other matter shall not be included in the reference.
18.3	Managing Director of NHRCL may himself act as Sole Conciliator/Sole Arbitrator or may at his option appoint another person as Sole Conciliator or Sole Arbitrator, as the case may be. In case, Managing Director of the Employer decides to appoint a Sole Conciliator/Sole Arbitrator, then a panel of at least three names will be sent to the Contractor. Such persons may be working / retired employees of the Employer who had not been connected with the work. The Contractor shall suggest minimum two names out of this panel for appointment of Sole Conciliator / Arbitrator. Managing Director of the Employer will appoint Sole Conciliator /Sole Arbitrator. Managing Director of the Employer will appoint Sole Conciliator / Sole Arbitrator out of the names agreed by the Contractor.
18.4	In case, the Contractor opts for settlement of disputes through Conciliation at first stage and if the efforts to resolve all or any of the disputes through Conciliation fails, the Contractor may refer to the Managing Director of the Employer for settlement of such disputes or differences through Arbitration. The appointment of Sole Arbitrator shall be done by Managing Director of the Employer as per the procedure described above. No disputes or differences shall be referred to Arbitration after expiry of 60 days from the date of notification of failure of Conciliation.
18.5	The Conciliation and/or Arbitration proceedings shall be governed by the provisions of the Arbitration Act and any statutory modification or re-enactment thereof and shall be held in any place in India.
18.6	The language of proceedings, documents or communications shall be in English and the award shall be made in English in writing.
18.7	The Conciliation/Arbitration proceedings shall be held at a place decided by Conciliator / Arbitrator.
18.8	The fees and other charges of the Conciliator / Arbitrator shall be as per the scales fixed by the Employer and shall be shared equally between the Employer and the Contractor.

19.0	Settlement through Court
19.1	It is a term of this contract that the Contractor shall not approach any Court of Law for settlement of such disputes, where such dispute is subject to Arbitration as referred to Clause 18.
20.0	DELETED
21.0	Award to be binding on all parties
21.1	The award of the Sole Arbitration, unless challenged in court of law, shall be binding on all parties.
22.0	Jurisdiction of Courts
22.1	The Indian courts shall be exclusive jurisdiction to hear and determine all actions and proceedings arising from the contract.
23.0	Secrecy/Non-disclosure
23.1	The Contractor shall ensure that all the information is kept totally confidential in connection with this bid and the Contractor shall not disclose or divulge the same to any unauthorized person failing which Employer /officer-in-charge reserve the right to cancel the contract or cease further dealing with the Contractor.
23.2	<p>Performance Guarantee: The procedure for obtaining Performance Guarantee is outlined below:</p> <p>(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.</p> <p>(b) The successful bidder shall submit the Performance Guarantee (PG) in the form of Irrevocable Bank Guarantee amounting to 5% of the contract value:</p> <p>(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 upto 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 60 days.</p>

	<p>(d) 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, an additional Performance Guarantee amounting to 5% (five percent) for the excess value over the original contract value shall be deposited by the contractor.</p> <p>(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.</p> <p>(f) Whenever the contract is rescinded, the Security Deposit shall be forfeited and the Performance Guarantee shall be encashed. 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.</p>
23.3	<p>CONDITIONS FOR PARTICIPATION OF PARTNERSHIP FIRM / PROPRIETARY FIRM / PRIVATE LIMITED COMPANY / LIMITED COMPANY:</p> <p>1.1 i) In case the tenderer is an individual / proprietary concern, the experience and turnover shall be in the name and style of the Individual / Proprietary concern only. (Note: The partner of a Partnership Firm cannot claim the credentials of Partnership Firm to the extent of his share either during the subsistence of the Partnership Firm or after its dissolution).</p> <p>ii) In case the tenderer is a Partnership Firm(s), the experience and turnover shall be in the name and style of the firm only.</p> <p>iii) If the Tenderer is a Partnership Firm, all the partners shall be jointly and severely liable for successful completion of the work and no request for change in the constitution of the Firm shall be entertained.</p> <p>iv) During the currency of the contract, no partner of the firm shall be permitted to withdraw from the Partnership business and in such an event it shall be treated as breach of trust and abandonment of contract work.</p> <p>1.2 Partnership deeds, Power of Attorney etc: - The tenderer shall clearly specify whether the tender is submitted on his own or on behalf of a Partnership concern. If the tender is submitted on behalf of a Partnership concern, he should submit the certified copy of Partnership deed along with the tender and authorization to sign the</p>

	<p>tender documents on behalf of Partnership firm.</p> <p>1.3 The tenderer whether sole proprietor, a Limited Company or a Partnership Firm if they want to act through agent or individual partner(s) should submit along with 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 partner(s) of the firm or any other person specifically authorizing him/them to submit the tender, sign the agreement, receive money, witness measurements, sign measurement books, compromise, settle, relinquish any claim(s) preferred by the firm and sign "No Claim Certificate" and refer all or any disputes to arbitration.</p> <p>1.4 a) In case Proprietary Firm or HUF, the following documents shall be enclosed: Affidavit on stamp paper of appropriate value declaring that his/her concern is a proprietary concern and he/she is sole proprietor of the concern or he/she is in position of "KARTA" of Hindu Undivided Family (HUF) and he/she has the authority, power and consent given by other partners to act on behalf of HUF.</p> <p>b) In case Partnership Firm(s), the following documents shall be enclosed:</p> <p>i) Notary certified copy of the Partnership deed. Note: Partnership deed is also acceptable.</p> <p>ii) Power of Attorney (duly registered as per prevailing law) in favour of one of the partners of the Partnership Firm to sign on the tender/agreement on behalf of the Partnership Firm and create liability against the firm.</p> <p>c) In case Private Limited /Limited Companies, the following documents shall be enclosed:</p> <p>i) Notary certified copy of Resolution of the Directors of the Company permitting the company to participate in the tender, authorizing MD or one of the Directors or Managers of the Company to sign the agreement, such other documents required to be signed on behalf of the company and enter into liability against the company and/or do any other act on behalf of the company.</p> <p>ii) Copy of Memorandum and Articles of Association of the Company.</p> <p>iii) Power of Attorney (duly registered as per prevailing law) by the company authorizing the person to do/act mentioned in the para (c) (i) above.</p>
	<p>Tender received without Tender fee cost shall be summarily rejected.</p>
	<p>The General Conditions of Contract governing the execution of the works covered by this tender are "IRS General Conditions of Contract" of the Engineering Department, as amended from time to time up to date. A copy of the booklet incorporating the above " IRS General Conditions of Contract" may be perused from www.indianrailways.gov.in</p> <p>In submitting this tender it would be deemed that the tenderer has kept him fully informed of the provision of IRS General Conditions of Contract including all</p>

	corrections and Ammendments issued up to date and claim that he is not aware of any ammendment or correction slip to IRS GCC shall not be entertained.



SECTION - V
SPECIAL CONDITION OF CONTRACT



SPECIAL CONDITIONS /SPECIFICATIONS OF CONTRACT

1. The special and the work schedule shall have 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 NHSRCL.
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 NHSRCL 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 NHSRCL.
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 NHSRCL 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 advice 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 NHSRCL Land:** - Use of NHSRCL 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 NHSRCL, 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 NHSRCL 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 NHSRCL 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 NHSRCL 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 NHSRCL and take all orders issued by inspecting officer of the NHSRCL.

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 NHSRCL 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 is 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 NHSRCL or any assistance given. The contractor will have to make his own arrangement. Also, no important license shall be arranged by the NHSRCL 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 NHSRCL.

28. NOTICE TO PUBLIC 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 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.

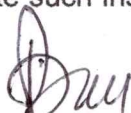
34. ANTI-MALARIA PRECAUTIONS: - Every precaution shall be taken by the contractor to prevent the breeding of mosquitoes on the works during construction and all receptacles used for the storage of water must be suitably protected for this purpose or must be emptied at close of the work every day.

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 DELETED



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.
- (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.
- (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.
- (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.

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.

Address: -

Signature of Tenderer
Dated: -



SPECIAL CONDITIONS & SPECIFICATION OF CONTRACT PART I

1. Variation in quantities during execution of Works Contracts Reference Railway Boards letter No. 2007/CE-I/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.

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 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 ministration 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.

(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.

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 NHSRCL :-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 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 NHSRCL whether in connection with any work being executed by the Contractor or otherwise for the purpose of the NHSRCL 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 NHRCL deduct the same from any moneys due to the Contractor in terms of the contract. The NHRCL 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 NHRCL 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 NHRCL 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 withstanding the provision of the aforesaid Act and Rule wherever applicable. The contractor shall not withstanding 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.

18.6- The NHSRCL 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 accept on the written request of the contractor and upon his giving to the NHSRCL might become liable in contesting such claim. The decision of the NHSRCL 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 NHSRCL 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-I/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-I/ 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, NHSRCL is obliged to pay compensation to a workman directly or through petty contractor or subcontractor employed by the Contractor in executing the work, NHSRCL will recover from the Contractor the amount of the compensation so paid, and, without prejudice to the rights of NHSRCL under Section 12 Sub-section (2) of the said Act, NHSRCL 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 NHSRCL to the Contractor whether under these conditions or otherwise, NHSRCL 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 NHSRCL full security for all costs for which NHSRCL 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 NHSRCL 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. NHSRCL Not To Provide Quarters For Contractors : (GCC Clause 58)** No quarters shall normally be provided by the NHSRCL 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 NHSRCL's discretion, recoveries shall be made at such rates as may be fixed by the NHSRCL 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 NHSRCL 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 SubContractors 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.

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.

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 NHSRCL 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 NHSRCL 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.

45 - 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 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 tenderer(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'**.

46 The completion period for the work will be **90 days**.

47 The Contractor shall maintain the structure with his own material, labour, transport etc. for a period of 24 months from the date of completion for which the cost is to be included in the offer rates. The maintenance will include all civil and plumbing items.

48 The contractor shall maintain the structure for further period of 36 months for which separate payment shall be made against concerned schedule item.



49 The contractor shall facilitate for the electrical works which includes fixing of electrical equipment, wiring, switch board, materials. The performance guarantee shall be released only after the successful completion of all the works including electrical works and successful commissioning of the parcel office.

Address:-

Signature of Tenderer
Dated:-


Annexure 'A'

**FORMATE 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

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: -

6. Care In Submission Of Tenders:

(a) (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/State 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.:

(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.

(B) (i) Once the 'on account/final contract certificate' is prepared by NHSRCL 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.

(ii) In case contractor is liable to be registered under GST Act, NHSRCL 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, NHSRCL shall deposit all other taxes deducted to concerned authority as is being done presently.

(iii) 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. NHSRCL shall deposit 'GST amount' as well as all other taxes deducted to concerned authority.

- (iv) 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.



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 conforms to relevant specification. These certificates shall be endorsed to the Engineer for his record. Certified copy of the same shall be submitted to Divisional 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/tarpauline, 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 Divisional 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 Divisional Office 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.

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.



SPECIFICATION OF REINFORCED SANDWICHED PANNEL**1.1 General**

- 1.1.1 Panels should in accordance with the requirements specified in the relevant Standards. In addition, it shall follow the specific requirements of various materials used in the manufacture of these sections

1.2 Specifications**1.2.1 Raw Materials**

- (i) OPC 53 grade cement shall conform to IS 12269:2013 (ii) Fly ash shall conform to IS 3812 (Part 2):2003 (iii) Slag shall conform to IS 12089:1987 (iv) Quick lime shall conform to IS 712:1984 (v) Anhydrous gypsum shall conform to IS 2547 (Part 1):1976 (vi) Fibre cement sheets shall conform to IS 13000: 1990 for asbestos cement sheets and 14862: 2000 for fibre cement sheets (vii) Pulp (cotton rag) shall be as per manufacturer's specifications

1.2.2 Performance Criteria

Aerocon panels shall meet the performance criteria given in Table

SNo.	Properties	Test Method	Requirements *			
			50 mm thick		75 mm thick	
			FOB	NT	FOB	NT
1	Weight (dry) (kg/m ²)	--	39	38	54	51
2	Axial load (kN/m)	Factor of safety= 2.5	53	50	83	65
3	Bending (kg/m ²) (a) 1.5m span (b) 2.9m span	Factor of safety= 2.5	66 198	300	95 265	400
4	Flexural strength (kg/cm ²)	IS 2380 (Part 4):1977	67	42	58	48
5	Compressive strength (kg/cm ²)	Typical test results	30	--	40	--
6	Thermal conductivity (W/m ^o .K)	IS 3346:1980/ BS 4370 (Part 2): 1993	0.22	0.16	0.21	0.17
7	Sound transmission class (dB)	IS 9901 (Part 3): 1981/IS 11050 (Part 1):1984	34	37	37	39
8	Fire resistance (minutes)	IS 3809:1979/ BS 476 (Part 20-22):1987	60	120	120	120
9	Surface spread of flame	BS 476 (Part 7): 1997	Class I		Class I	

10	Fire propagation index (I)	BS 476 (Part 6) 1989	3.7	4.7	3.7	4.7
11	Ignitability	BS 476 (Part 5):1979	Class P (not easily ignitable)		Class P (not easily ignitable)	

* The above requirements are the minimum values for the panels.

1.3 Installation of Aerocon Panel Applications & Jointing Procedure

1.3.1 Partition Walls

1.3.1.1 Full height partition

- Recess or square edge panels shall be used for full height partitions.
- Floor plan shall be marked as per approved drawings.
- The floor channels (F.C.) shall be cut as per required lengths and the ceiling shall be marked with plumb to floor channels and ceiling channels shall be fixed with self-expansion screws.
- The floor channels shall be placed & fastened with self - expansion screws of size N 6 x 50 mm at every 600 mm centerson 50mm face of channel.
- The height needs shall be checked for each individual panel before inserting, the same method shall be followed for all panels.
- The floor channels, tongue and groove portion of panels shall be cleaned for firm fixing.
- The 600 mm side of panel shall be lifted & kept parallel to floor. The groove side of panel shall be kept towards wall or column end.
- The panel shall be inserted by tilting it into ceiling channel first and then position the same from 14 mm side of the floor channel as shown in Fig. 1.
- The panel shall be slowly pushed into the floor channel with two heavy duty screw drivers without damaging the corners as shown in Fig. 2.
- The panel shall be positioned & pushed towards wall and right angle of panel shall be checked as shown in Fig. 3.
- Plugs/packings shall be inserted, if required in floor channel to ensure right angle.
- The jointing material shall be applied along entire length of tongue and groove for jointing and inserting the next panel. The panel shall be pushed to secure a rattle free joint.
- The partition shall be completed by jointing panel by panel as per the above procedure.

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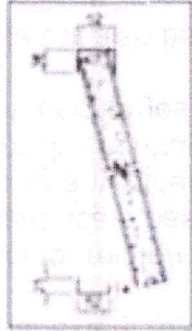


Fig. 1

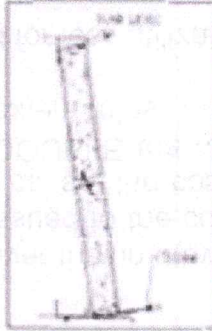


Fig. 2

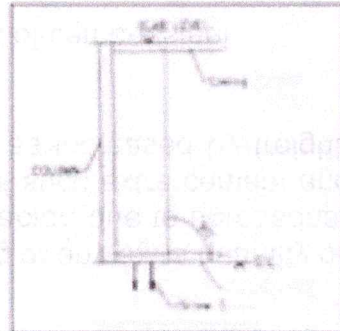


Fig. 3

1.3.1.2 Half height partition

- The partitions shall always end in 'L' or 'T' shape of 300 to 600mm panel width as shown in Fig 9.
- The floor channel shall be fixed with self -expansion screws at every 600 mm centre to centre.
- The first panel starting from the existing brick wall should be fixed as per the following two options:
- Option – 1 Starting with existing brick wall, a drill shall be made to brick wall and panel at the distance of 300 mm as shown in Fig. 10 from top and bottom side of the panel and insert the steel rod.
- Option – 2 The L angle cleat shall be fixed at corner with nuts and bolts as shown in Fig. 11.
- The top end & free end walls must be covered using beading as shown in Fig. 12.
- Different materials like timber, medium density fibre boards, PVC, Aluminium etc. as per required design shall be used as shown in Fig. 13.
- Fevicol shall be applied on the inner surface of the beading before fixing to the panels.
- All screws should be dipped in Fevicol before fixing to the beading. In factories and workshops Aluminium/galvanized iron channels (ceiling channel) shall be used as beading.
- Jointing material shall be applied on entire length of tongue & groove portion before fixing panels to improve stability & prevent the lateral movement.
- With this half height partition will be ready for finishing.

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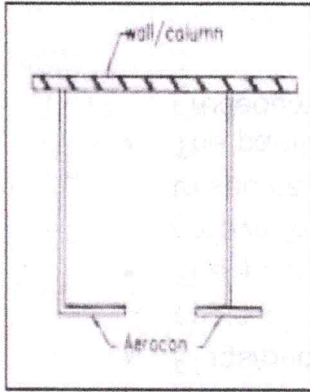


Fig. 9

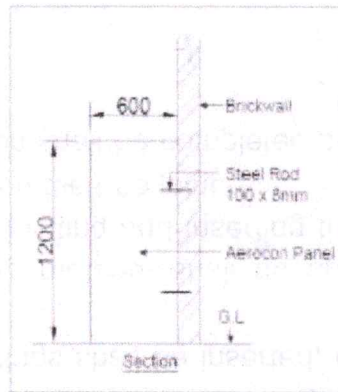


Fig. 10 Option 1

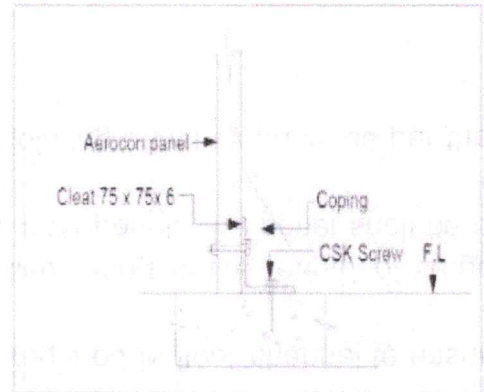


Fig. 11 Option 2

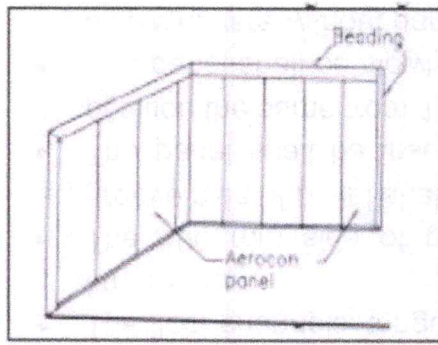


Fig. 12

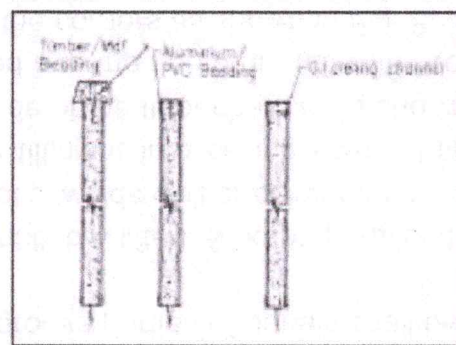


Fig. 13

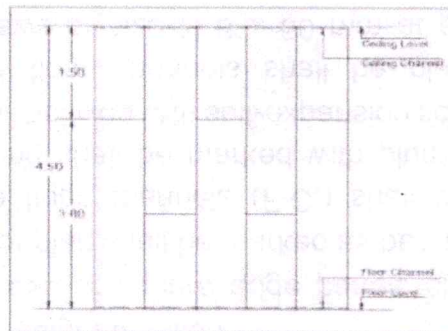


Fig. 14

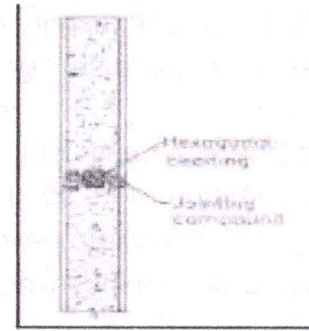


Fig. 15

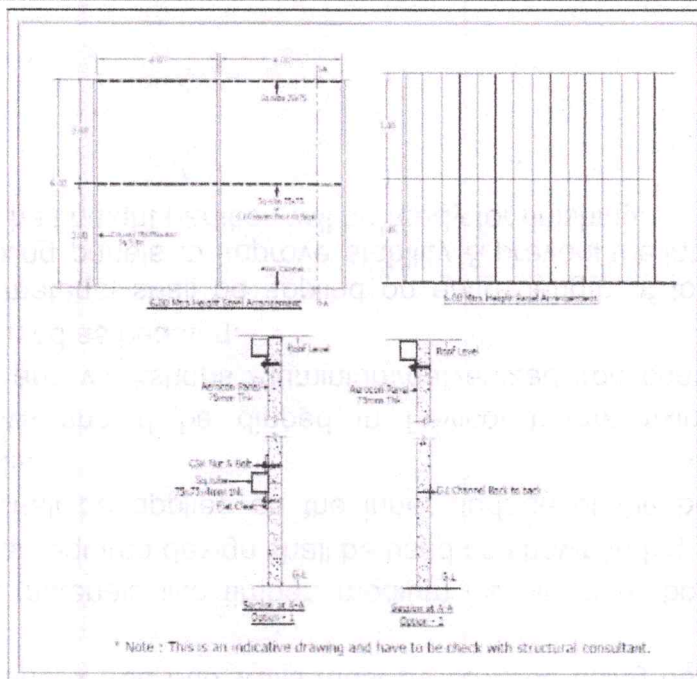


Fig. 16

1.3.1.3 Jumbo height partitions (above 3.0m)

- Panel partition work can be done without steel frame up to 4.50 m height & 4.80 m width.
- Frame work shall not be required for these type of partitions up to 4.5 m.
- Panels shall be staggered for strength & rigidity as shown in Fig. 14. Height of the panels shall be decided accordingly.
- Partition shall be supplied with top support, such as steel, concrete etc.
- The floor & ceiling channel shall be fixed as per laid procedure.
- For horizontal joining, the full length panel shall be fixed first and jointing material shall be applied in the groove portion.
- Hexagonal PVC/wooden beading shall be placed on top groove of the 3 m panel before placing the 1.5 m panel and the same pushed into the ceiling channel as shown in Fig. 15.
- The 1.5 m panel should come next in lower side and 3-meter panel in upper side & proceed in the similar way. The partition shall be completed by fixing panels one by one as per the above procedure. For joint finishing of panels, Clause 2.3.2.7 may be referred.
- If the partition exceeds 4.50 m length and 4.80 m width, then steel support shall be provided as shown in Fig.16.

1.3.2 Aerocon Pre-Fabricated Structures (Single storey)

Pre-fabricated structures shall be of two types:

- a. Load bearing structures
- b. Non-Load bearing structures

1.3.2.1 Load-bearing structures (Single storey)

These structures shall be made based on size, location and functional requirements. These load-bearing structures can be designed to a maximum span of 5.2 m as these are suitable with roofing option of the panels as shown in Fig. 17. The length of each room can be upto 6 m i. e. each room with a carpet area of 5.2 x 6 meter. These rooms can be constructed in a row, with multiples of 5.2 m x 6 m.

Typical layout for possible load bearing structures is shown in Figs. 18 to 20.

Details of typical foundation for walls and columns are shown in Figs. 21 & 22.

Size of the column, beam & truss shall not be less than the specified size shown in tender specification and BOQ, Tenderer should note that increase in section of structure compared as per design requirement, is covered in the scope of contractor and

However, design and third party proof check of foundation walls, columns, and building a whole unit has to be got done by the bidder cost on account of design and third party proof check form Govt. Engg. College, is covered on the scope of this work and nothing account until be payable to contractor.

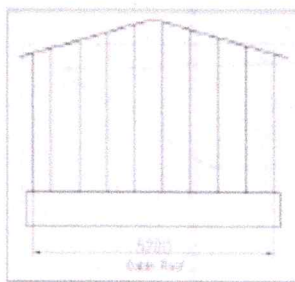


Fig.17

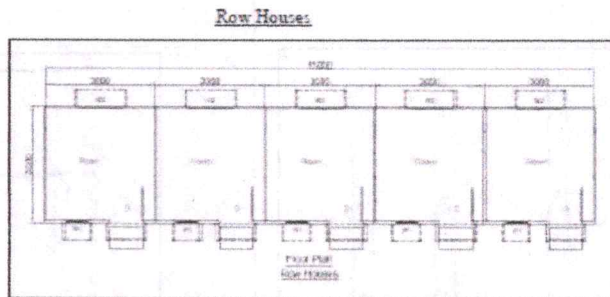


Fig.18

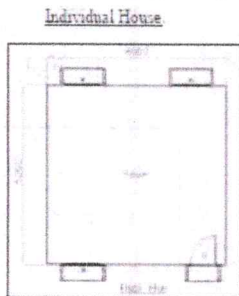


Fig.19

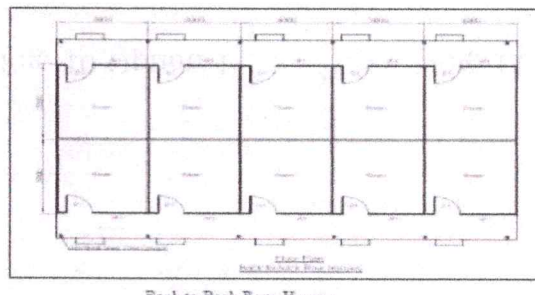


Fig.20

Panels with Recess/Square edge shall be used for construction of walls.

- The four corners shall be marked and position the 'L' Base plate component and diagonals checked as per the approved drawing as shown in Fig. 23.
- The base plate shall be fixed by drilling 12mm dia holes with hammer drill and fasten self - expansion anchor fasteners of size M 8 x 65 mm (Hilti/Fischer) as shown in Fig. 24.
- The floor channel shall be fastened with N 6 x 60 mm self- expansion screws at 600 mm center to center.
- The panels shall be erected from a corner. It shall be ensured with plumb that the first panel is perfectly vertical. After fixing at least two panels on one side start fixing the panels at right angle as per the drawing to ensure stability to the structure.
- The corner cover plate shall be fixed from outside to make the corner rigid as shown in Fig. 25.
- Jointing material shall be applied on tongue & groove portion of the panels to make the joints firm.
- The second panel shall be positioned 550 mm away from the first panel and slowly drop slide towards first panel. This technique enables fast & proper joining of panels. It must be started the gable side and all sides complete one by one as shown in Fig. 26.
- During installation suitable temporary support shall be provided using 75 mm dia. timber log or M.S. pipes of 50mm dia firmly grouted into the ground on either side of panels in 45° angle.
- Every 3rd panel on either side should be tied with temporary support as shown in Fig. 27.
- Fixing of purlin shall be completely resting on panels and duly connected with base plates by fixing with M 10 bolts & nuts as shown in Fig 28.

- The day's work shall be stopped only after completing the four walls and tying each other by truss and purlins as shown in Fig. 29.
- All panels shall be fastened to the plinth with anchor bracket of size 75 x 75 x 6 mm thick as shown in Fig. 30.

- After completion of erection of pre-fab structure, the exposed anchor brackets shall be covered using 1:2:4 concrete with baby chips from outside.



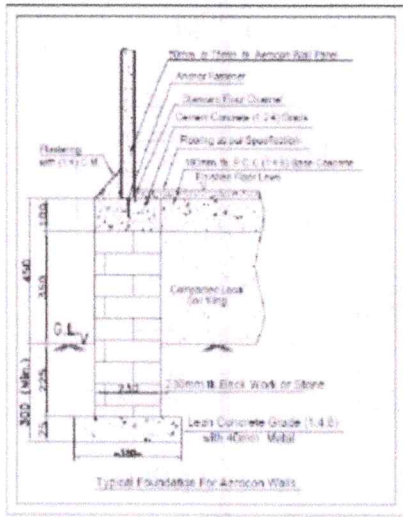


Fig 21

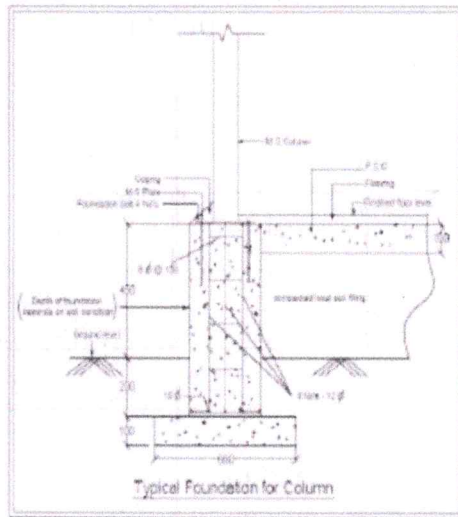


Fig 22

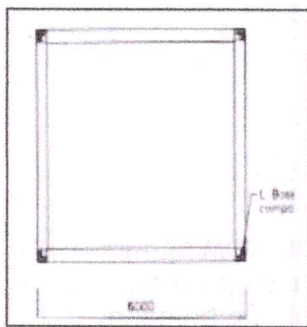


Fig 23

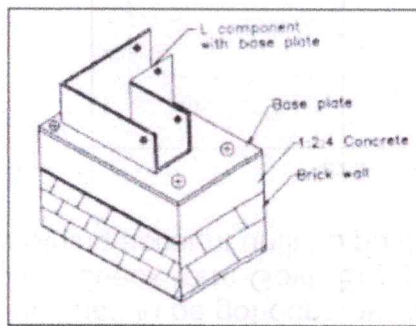


Fig 24

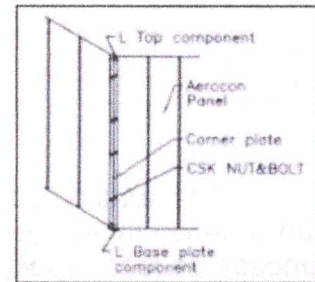


Fig 25

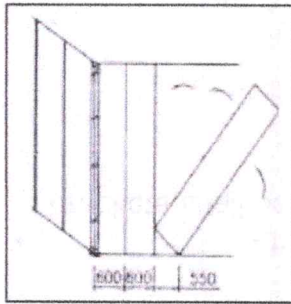


Fig 26

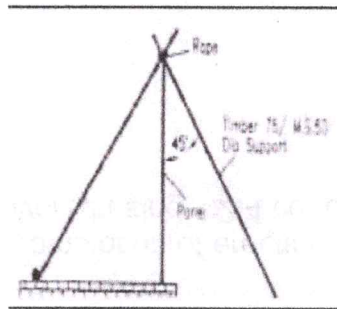


Fig 27

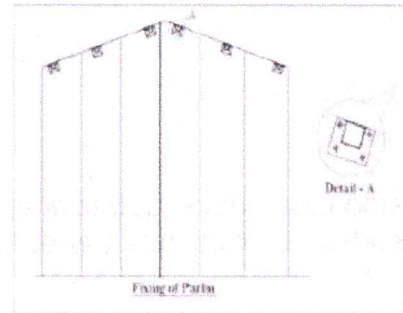


Fig 28

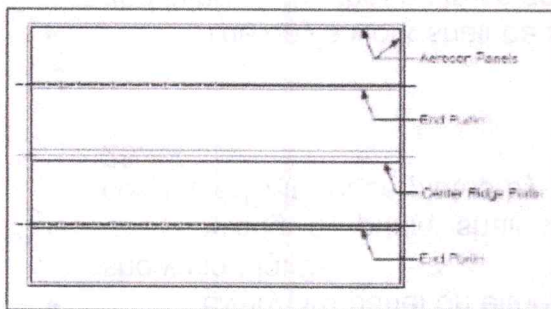


Fig 29

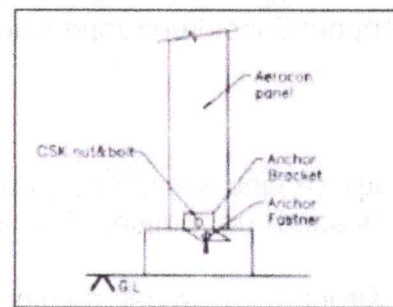


Fig 30

1.3.2.2 Corner Joints

- The 'L' and 'T' joints shall be made by fastening straight ends of the panels with self-expansion screws or 10 dia. x 100 mm long pin as shown in Figs. 31 & 32.
- The core of one panel shall be removed up to 15 mm depth in which the pin will be fastened only in the core, for filling grout cement.
- The panels shall be positioned in right angle and fastened with 150 mm long self-expansion screws at every 900 mm lengthwise using Hilti make or standard bolts 150 mm long galvanized/zinc coated threaded rod dipped in sodium silicate. The bore shall be filled with sodium silicate & fly ash.
- 8mm dia. holes shall be drilled at 600 mm centres height wise and 15 mm prepared groove shall be filled with grout cement using cocking gun.
- The facing of core (exposed part) shall be finished using silicon acrylic paste. In case of external application, the joints shall be covered with steel cover plate to protect the corner from knocks and other mechanical impacts.
- Lintel panels shall be firmly fixed with fastening the same to lateral panels with 12 mm dia. rods and cement grout. Minimum bearing of 150 mm shall be maintained on either side or for the gable walls where the height is more than 3 meters, panels shall be cut in triangular shape to fill the top gable as shown in Figs. 33 & 34.

- These triangular panels should be fixed from inner side by routing the face to the size 25 mm width x 25 mm depth and 200 mm length (100 mm in top panel and 100 mm in bottom panel) positioning the 200 mm long 12 dia. GI coated mild steel rod in the rout and filled with cement grout.
- Temporary bracing shall be fixed with timber/steel for one day and remove or putting of back to back G.I ceiling channel as shown in Fig. 35.

1.3.2.3 Non-load bearing structures

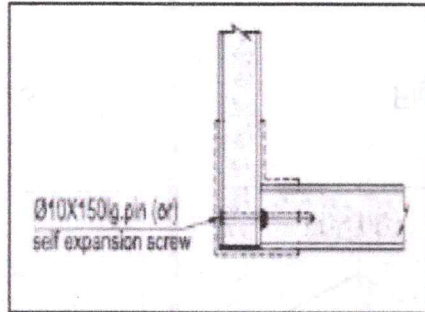


Fig 31

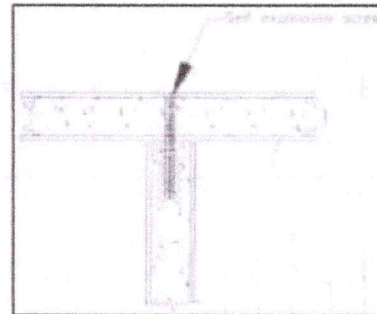


Fig 32

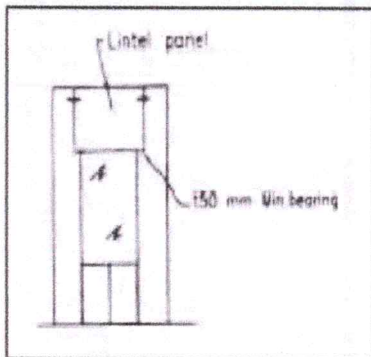


Fig.33

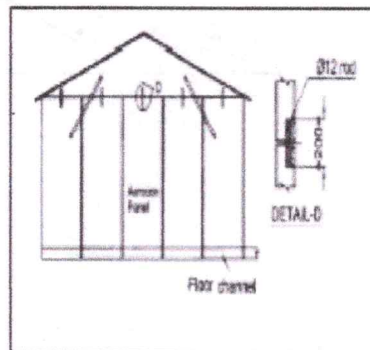


Fig.34

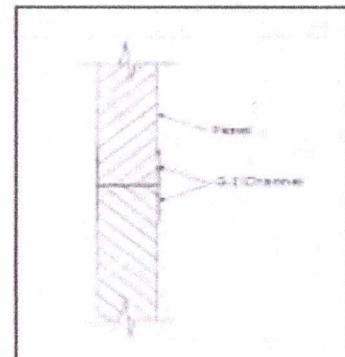


Fig.35

For non-load bearing structures, steel columns, trusses and purlins shall be designed as per soil condition and wind velocity.

- It shall be ensured that quality workmanship of the structure shall be checked at every stage of fabrication as per drawings and specification.
- It shall be ensured that the structure is complete in all respect before erection of the panels.
- The floor channel shall be fixed between two columns using self- expansion screws at every 600 mm centres, leaving gaps at door positions. Typical layout plan for a non-load bearing structure and steel drawing shall be shown in Figs. 36 & 37.
- Columns, trusses and purlins work shall be completed as per the approved drawing.
- Requisite number of panels shall be laid on the levelled ground with tongue & groove matching and a tie beam shall be provided from eave and gable walls to hold the panels. Isometric view and gable & eave wall connection details are shown in Figs. 38 & 39.

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- The panels shall be erected from a corner of a column and the panel erected as the load bearing structure procedure.

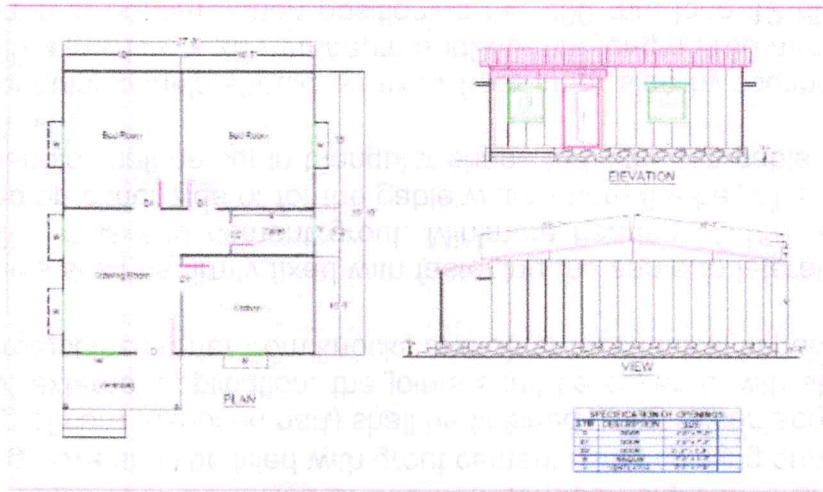


Fig.36 Typical layout plan for a non-load bearing structure

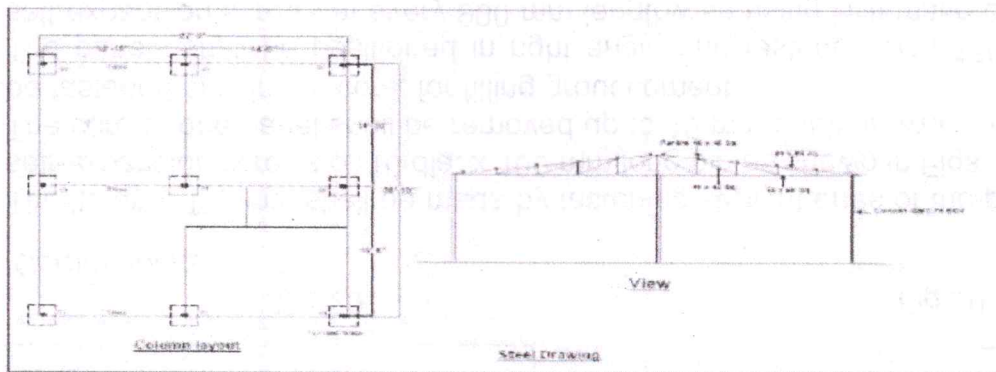


Fig 37

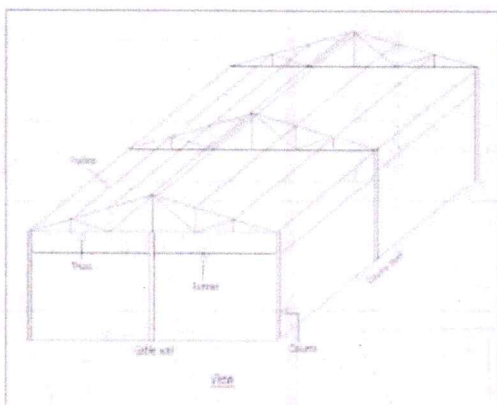


Fig 38

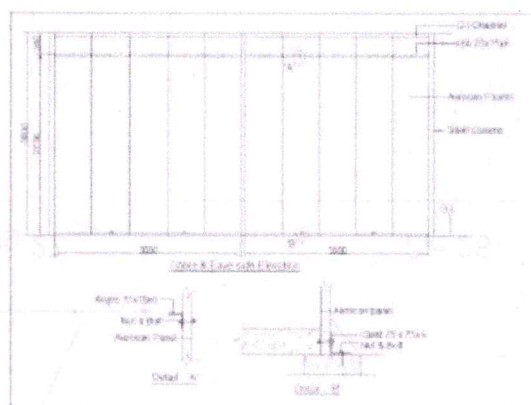


Fig 39

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1.3.2.4 Doors and Windows

- Mild Steel, Wooden and Aluminium doors and windows can be fixed with Aerocon Panel as per the details given below:
- Mild Steel (MS) door & window frame shall be fixed as shown in Figs. 40 & 41 which is generally used for prefab structures.
- Aluminium door & window frame shall be fixed as shown in Fig. 42.
- Wooden Door & Window frame shall be fixed as shown in Fig 43.

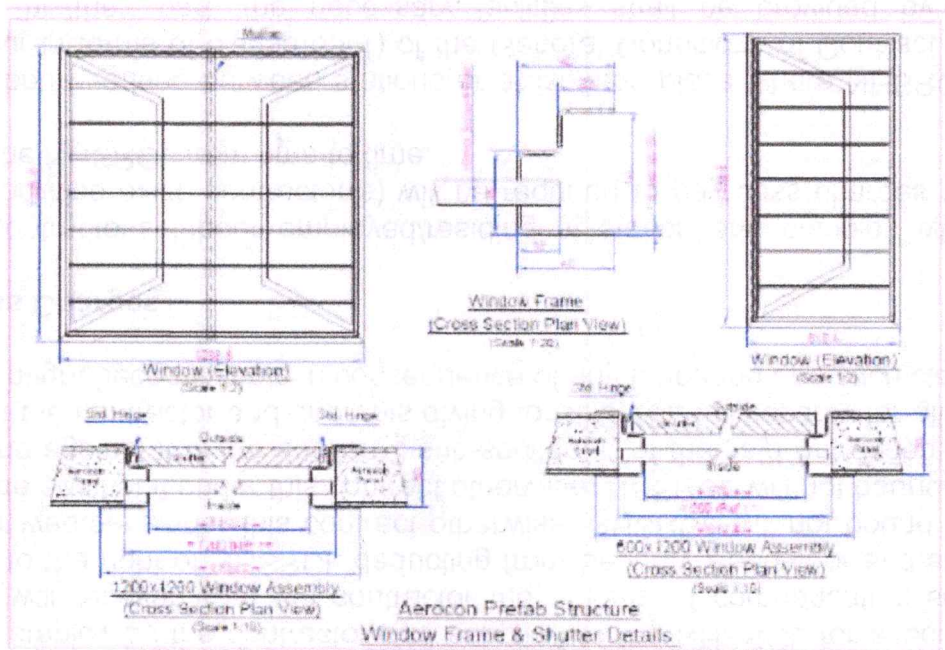


Fig.40 Typical MS Door & Window frame

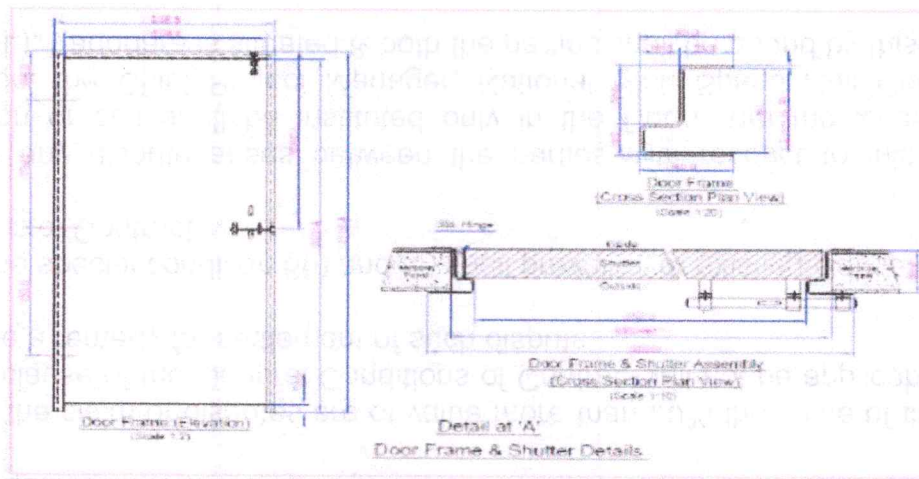


Fig.41 Typical MS Door frame & shutter details

DM

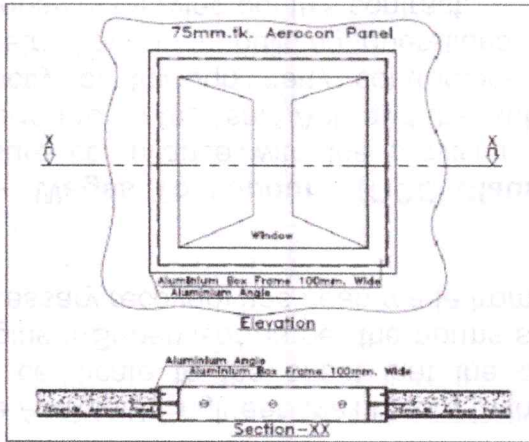


Fig.42 Aluminium door & Window frame

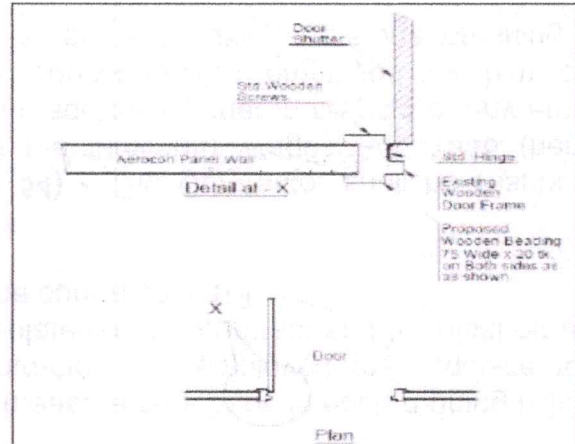


Fig.43 Wooden Door & Window frame

1.3.2.5 Electrical Wiring

1. External wiring

External wiring shall be done on the panels by using PVC caps/ pipes duly fixed to the surface as shown in Figs. 44 & 45. This shall be done after installation of the wall.

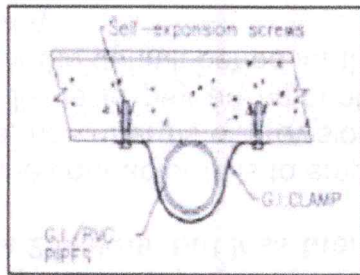


Fig.44 PVC pipe clamping

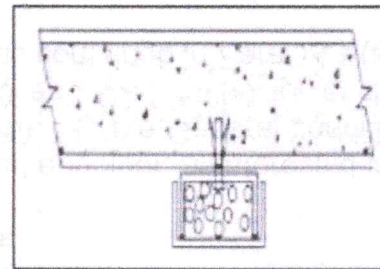


Fig.45 PVC caps

2. Concealed wiring

- Electrical drawings shall always be referred before starting the work.
- Surface routing shall be done by cutting the facing sheet and removing core.
- Face chasing should be avoided for panels used in prefab structure external and load bearing especially the panels on which the trusses & purlins are fixed.
- Maximum depth of route shall be 50 percent of the thickness of material i.e. for 50 mm panel – 25 mm route and for 75 mm panel – 38 mm route.
- Switch shall be fixed upto 60 mm depth in 75 mm panels as shown in Fig. 46.
- Load bearing walls should not be routed horizontally.
- Horizontal face routing in non-load bearing walls shall be max. 300 mm from the joint as shown in Fig. 47.
- Jointing material shall be fixed in route and P.V.C. casing fixed, after setting electrical wiring as shown in Figs. 48 & 49
- In case of mains or where multiple conducting is to be carried out, double skin partition wall shall be used.

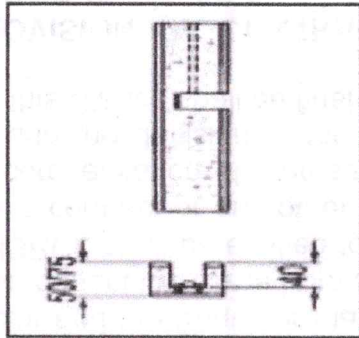


Fig.46 Switch Box

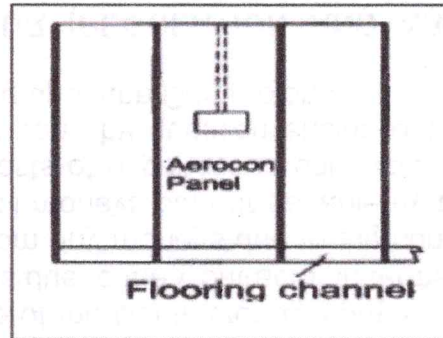


Fig.47

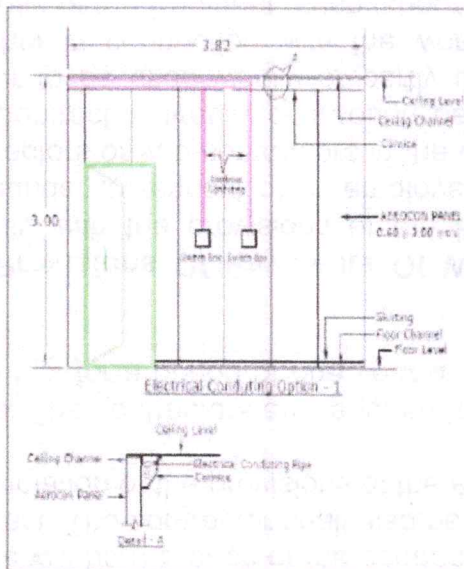


Fig.48 Option 1

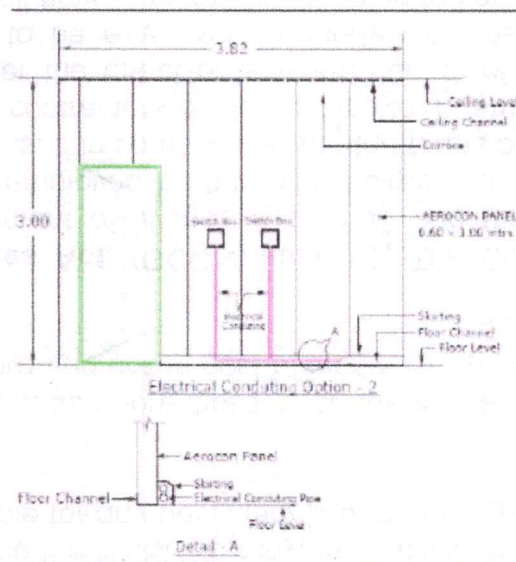


Fig.49 Option 2

1.3.2.6 Plumbing Installation

- In Prefab structures, the toilets can be constructed with these panels. The required pipelines shall be fixed on the panel externally as shown in Fig. 50.
- If pipe lines need to be concealed, a false wall should be created with 50/75 mm panel to the required height on the internal side only as shown in Figs. 51 & 52.
- Water Closet (WC) shall be fixed with bolts & nuts. However, detailing needs to be worked out based on site conditions. The WC shall preferably be fixed on floor and bolted to the panel wall.
- The surface of the panel shall be treated with marble/ granite/ceramic/glazed tiles using appropriate tile adhesive chemicals as per the procedure recommended by the tile adhesive manufacturer. It is recommended to use smaller tiles.

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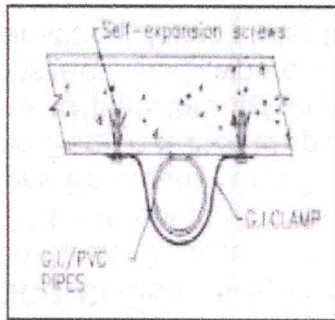


Fig.50

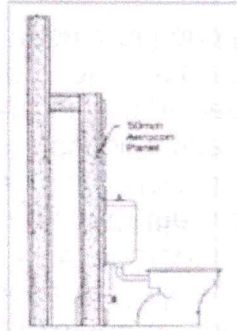


Fig.51

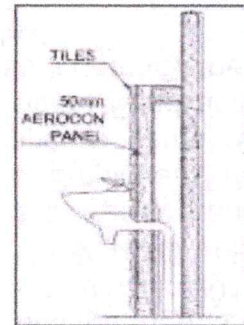


Fig.52

1.3.2.7 Panel Jointing Procedure

Aerocon Smart bond comprises of the following components:

- Smartglu – Two-part primary binder (powder & liquid): This glue is used for bonding as well as a filling in solid wall panel installations.
- Smartflex – Fixing paste: A ready to use paste to render a non-cracking, tensile but elastic skin over the joint gaps.
- Smartpoly – Self – saturating tape: Non-woven, self- saturating polyester tapes, ranging in width from 16-80 mm, to reinforce the exposed skin of the joint.

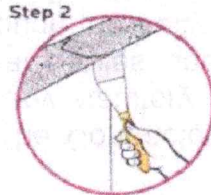
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Fixing process

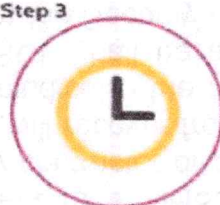
Fixing process



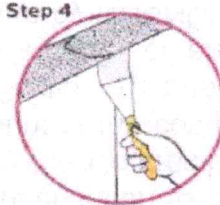
Take SmartGlu powder + Liquid in 1:1 ratio and brush on edges before sliding tongue and groove panels.



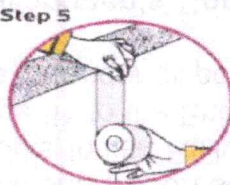
After 2 hour interval, take SmartGlu powder + Liquid in 2:1 ratio, apply into the grooves and fill to the surface level



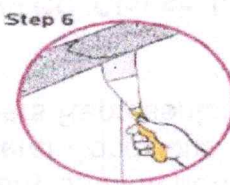
Setting time: 1 Hour for exteriors, 2 hours for interiors.



Apply Smartflex paste along the joint



Immediately paste Smartpoly tape on it. Allow 6 hour shrinkage time



Apply one coat of SmartFlex upto 0.10 mm thick on the Smartpoly tape.



Let dry for 6 hours then wall putty.



Apply primer and paint or final finish

Fig 53 Jointing procedure is shown in Fig. 53.

The wall shall be ready for whole surface primer & paint in normal way. Possible finishes on the panels after joint finishing: A variety of wall finishes, which may be adopted, are given below:

- (a) Painting: one coat of water soluble cement primer and two to three coats of paint shall be applied with a roller.
- (b) Wall Paper: Approved glue supplied by the manufacturer shall be applied and stick with the same as per the recommendation procedure from manufacturer.
- (c) Hard Lamination: Hard lamination is recommended for internal horizontal applications like work station tops. The procedure for fixing hard lamination shall be as follows:
 - A sanding machine shall be used on entire surface of panel to be laminated.
 - The dust particles shall be remove from the sanded surface.
 - A thick coat of SR 990 (Fevicol) shall be applied on panel & laminate.
 - The surface shall be allowed to dry to tack free.
 - The laminate shall be fixed and rubbed with a cloth by applying pressure.
 - Keep even weight for one day on the laminated surface before use.
- (d) Ceramic/Clay/Granite tiles (as required): These tiles shall be fixed to the panels using suitable cementations tile adhesives as per the manufacturer's recommendations. The procedure for fixing hard lamination is as follows:
 - Smaller size of tiles shall always be used for better adhesion.
 - All plumbing fixtures shall be fixed before tiling the surface.
 - The tiles shall be staggered for proper fixing.

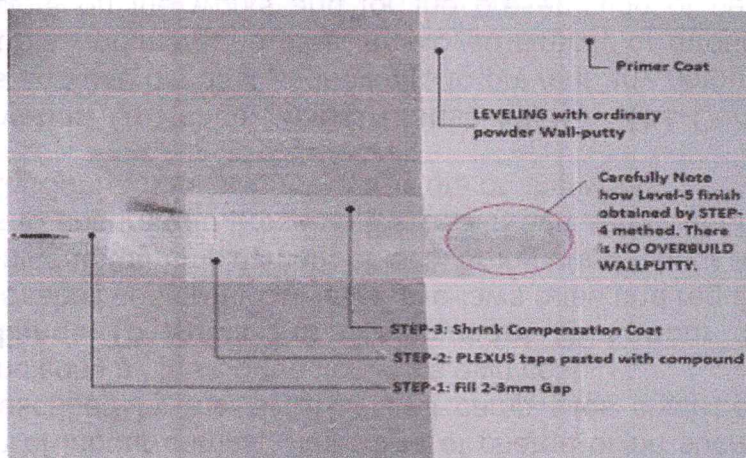


Fig. 53 Jointing procedure

1.3.3 Cladding

Aerocon panels shall be laid horizontally and structural steel shall be designed as per the span/height and each panel fixed with

nut and bolt.

Cladding detail is shown in Fig. 54

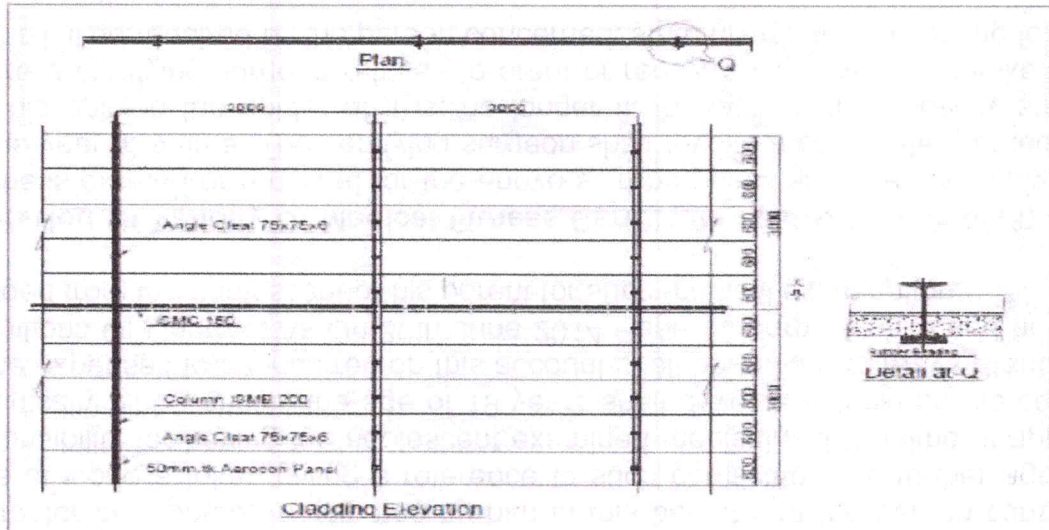


Fig.54 Cladding details

Design for using the panels as external Cladding by IIT Madras is Given in Annex IV

1.3.8 Do's and Don'ts for Aerocon panels

1.3.8.1 Do's:

- Panels shall be loaded in the truck vertically with long side parallel to the ground.
- At site if the support frames are not available, the panels shall be stacked vertically leaning on to a wall and the panels shall be covered with polythene/water proof covers.
- If nails or screws required to be fastened make a pilot hole at the required place, drill with machine approximately 1mm smaller than screw dia i.e. for 6mm screw drill 5mm pilot hole and then drive the screw/nail.
- The panels shall be with granite cutting machine.
- After completion of electrical work, the panel routs shall be filled with P.O.P/fine cement mortar and allow for drying.
- If any hangings/shelves shall be put on partitions, screws/ bolts and nuts shall be used only.
- Self-expanded CSK screws shall be used for lesser weight hangings.
- For heavy weight and shelf loads, bolt & nuts shall be used distributed to no of bolts.
- Water based primer and Acrylic based paints shall be used for internal & external applications.
- Tiles shall be fixed as per recommendations of adhesive manufacturers.
- An edge clearance of 50 mm thickness of panel shall be maintained from the corner by a min 75 mm and for 75 mm panel maintain 100 mm.

- The panels shall always be covered with screed concrete and floor tile for mezzanine floor application.

1.3.8.2 Don'ts

- Don't load panels in the truck horizontally.
- Don't place the panels on the truck body directly without covering the truck floor with enough husk bags.
- Don't lift the panels directly by cranes as it may damage the tongue and groove or edges.
- Don't drag the panel as it will damage the edges.
- Don't use cut panels less than 150 mm wide in partition
- Don't use hammer/nails on panel partitions.
- Don't fasten nails and screws directly without pilot hole.
- Don't chase/groove panels after execution and jointing is done.
- Don't fastened the nail and screws directly without pilot hole.
- Don't fastened screws in the tongue & groove joints as the screw holding capacity in the joint will not be sufficient to hold any articles.
- Avoid vibrations/impact loads on panels.

For detailed information of the above applications, Aerocon Panel Installation Guide shall be referred which is available with the manufacturer.


1.4 Inspections & Testing

Inspections & testing shall be done at appropriate stages of manufacturing process of all the elements. The inspected panels shall be stored & packed to ensure that no damage occurs during transportation. As part of quality assurance, regular in process inspections shall be carried out by the trained personnel of the PAC holder.

1.5 Good Practices for Installation & Maintenance

Good practice as per requirement of Aerocon panels of the manufacturer shall be followed for installation and maintenance of these panels.

1.6 Skilled /Training Needed for Installation

 The PAC holder shall provide training for carrying installation of the panels at site through authorized trained franchisees. Alternatively, if the customer wants to execute the installation work of his own, the manufacturer shall provide training to client at different stages of the project, as and when required.

1.7 Guarantees/Warranties to be Provided by the contractor

PAC holder shall provide necessary warranty of the system for manufacturing defects for a period of 6 months to the client.

1.8 Responsibility

- Specific design using Aerocon technology is the responsibility of the designer with the instructions, supervision and guidance of the PAC holder.
- Quality of installation/construction of the system on site is the responsibility of the trade persons engaged by the building owner under the guidance of the manufacturer.
- Quality of maintenance of the building is the responsibility of the building owner under the guidance of the manufacturer.
- Providing necessary facilities and space for movement of cranes and vehicles is the responsibility of the building owner.

A handwritten signature in black ink, appearing to be 'D. M. M.', located below the list of responsibilities.

SECTION- VI
ANNEXURES / PROFORMAS



ANNEXURE-A

SUPPLEMENTARY AGREEMENT

Articles of Agreement made on this in the year and between National High Speed Rail Corporation Limited acting through the **Chief Project Manager, National High Speed Rail Corporation Limited, 3rd Floor, Productivity House, Productivity Road, Alkapuri, Vadodara-390007** hereinafter called as one party and of the second part.

Where the party hereto of the second part executed an agreement with the party hereto of the first part being agreement No. dated for the performance of herein called the principal agreement.

And whereas it was agreed by and between the parties hereto that the works would be completed by the party hereto of the second part on "date last extended" and whereas the party hereto of the second part has executed the work to the entire satisfaction of the party hereto of the first part and whereas the party hereto of the first part already made payments to the party hereto of the second part diverse sums from time to time aggregating to including the final bill bearing voucher No. dated (the receipt of which is hereby acknowledged by the party hereto of the second part) in full and final settlement of all his claim under the principal agreement.

Now it is hereby agreed by and between the parties in the consideration of sums already paid by the party hereto of the first part to the party hereto of the second part against all outstanding dues and claims for all works done under the aforesaid principal agreement including / excluding security deposit, the party hereto of the second part have no further dues / claims against the party hereto of the first part under the said principal agreement.

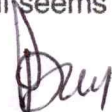
It is further agreed by and between the parties that they party hereto of the second part has accepted the said sums mentioned above in full and final satisfaction of all its dues and claims under the said principal agreement.

It is further agreed and understood by and between the party that in consideration of the payment already made under the agreement the said principle agreement shall finally discharged and rescinded all the terms and conditions including the arbitration clause.

It is further agreed and understood by and between the parties that the arbitration clause contained in the said principal agreement shall cease to have any effect and / or shall seems to be non-existent for all purposes.

Signature of the Tenderer/s

For& on behalf of



Signatures of the Witness

Witness

ANNEXURE-B

FORM OF AGREEMENT

(To be executed on requisite value of stamp Papers)

AGREEMENT

THIS AGREEMENT made on _____ day of _____ (Month/year) between **National High Speed Rail Corporation Limited**, (hereinafter called "the Employer/Engineer") of the one part and _____ (name and address of the Contractor) (hereinafter called "the Contractor") of the other part.

WHEREAS the Employer is desirous that work of "....."

....." should be executed by the Contractor viz. **Contract No.** _____ (hereinafter called "the Works", and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meaning as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement:

Volume I:

- a) The Contract Agreement
- b) Letter of Acceptance
- c) Notice Inviting Tender with Annexures
- d) Form of Bid
- e) Instructions to the Tenderers & Appendices
- f) Appendix to Tender
- i) Annexures/Forms
- j) Offer Sheet



Volume II: Bill of Quantities

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement executed the day and year first before written.

(Name, Designation and address of the authorised signatory)

(Name, Designation and address of the authorised signatory)

Signed for and on behalf of the Contractor in the presence of:

Signed for and on behalf of the Employer in the presence of:

Witness:

Witness:

1.

1.

2.

2.

Name and address of the witnesses to be indicated



ANNEXURE-C

APPLICATION LETTER

(On the Letter head of the Interested firm)

Date: DD-MM-YYYY

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

**Sub.: Notice Inviting Tender: Construction of Parcel Office near platform No. 7 at
Vadodara Station in Connection with Mumbai Ahmedabad High Speed Rail Project**

Dear Sir,

Being duly authorized to represent and act on behalf of (hereinafter referred to as "the Interested firm") and having reviewed and fully understood all of the requirements of the Tender Document and information provided, the undersigned hereby apply for the project referred above.

I/We hereby submit my/our offer as follows:-

- a) Envelope-A i.e. Earnest Money Deposit (EMD)**
- b) Envelope-B: Technical and financial Proposal with all relevant documents .**

In one original, with the details as per the requirements of the NIT Documents, for your detailed evaluation

.....
Signature & Stamp
(Authorised Signatory)



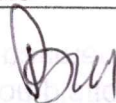
VOLUME - II
BILL OF QUANTITY



Schedule A

DSR 2012 ITEMS

Sr. No	Descriptions of Item	unit	Qty	Rate	Amount
1	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters, 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	NO	25	1984.80	49620.00
2	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete, SIZE 300x10 mm	NO	10	100.4	1004.00
3	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete size 125 mm	NO	10	62.5	625.00
4	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. double rubber stopper	no	10	71.55	715.5
5	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS: 1868) aluminium lever handles of approved quality with necessary screws etc. complete	NO	10	706.15	7061.50



6	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1: 4 (1 cement: 4 coarse sand): 25 mm thick	sqm	285	945.7	269524.50
7	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	sqm	60	724.25	43455
8	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	sqm	100	1337.1	133710
9	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS: 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete	sqm	40	764.55	30582



10	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:				
	W.C. pan with ISI marked white solid plastic seat and lid each	No	3	2885.1	8655.3
11	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:				
	Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	no	1	4652.8	4652.8
12	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.	cum	144	129.35	18626.4
	All kinds of soil				
13	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	130.5	83.80	10935.9



14	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:				
15	1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size)	cum	40	4904.95	196198
16	Centering and shuttering including strutting, propping etc. and removal of form work for:				
17	Foundations, footings, bases for columns	sqm	250	166.9	41725
18	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 75 mm diameter.	meter	100	124.90	12490.00
19	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter.	meter	100	206.90	20690.00
20	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold-water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal Works - Exposed on wall: 25 mm nominal outer dia Pipes	meter	100	197.90	19790.00



21	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold-water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External Works: 50 mm nominal outer dia Pipes	meter	250	475.70	118925.00
22	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183. Density 16 kg/m ³ , 50 mm thick, wrapped in 200G Virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.	sqm	500	226.10	113050.00
23	Supplying, providing and fixing white colour sliding uPVC Window complete, consisting of uPVC frame of size 80mm x 52mm and uPVC shutter of size 54mm x 38mm with 1.2mm thick GI section reinforcement wherever required, produced by ISO 9001:2000 and ISO 14001:2004 certified company. Window shutter will consist either of 5mm thick float glass or galvanised wire gauge along with complete fittings, e.g. pulley/rollers, transmission gear and handle for operating window	sqm	20	3101.21	62024.2
24	Any other Miscellaneous Scheduled items as required	LS	1	500000.00	500000.00
	TOTAL				16,64,060.10

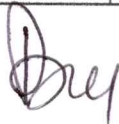


SCHEDULE B					
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NS ITEMS					
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Sr. No	Descriptions of Item	unit	Qty	Rate	Amount
1	Supply and fixing of 75 mm thick sandwich wall panel of two fibber-reinforced cement sheets enclosing a light weight core composed of Portland cement binders and a mix of siliceous and micaceous material aggregate. Panels should have provision of tongue and groove joining system along with accessories like pre-designed steel channel. The panels should slide in and rest snugly at the base. As per site requirements, these pannels should be painted with internal paint of two coats of OBD over one coat of base putty, external piant of two coat of texture paint of approved shade. Cost of supply & fixing of galvanized iron channel of minimum size 25x50x25mm, to be fixed on the floor and ceiling level over the Aerocon panel all across the joint is included in this item. This item includes all materials, cost, fixing, transportation, labour and other associated activities for fixing of electrical, HVAC and all other works required for commissioning of parcel office.	Sqm	546	1620	884520.00
2	Providing and fixing colour GI galvanized iron corrugated roofing sheet of minimum 0.5mm thick over supporting frame made up with hollow steel of minimum MS pipe 38x38mm. Roofing should be fixed with self-tapping screws with all accessories for ensuring no water leakage. This item includes the cost of Columns made up of minimum MS 100X100 mm (SHS), Purlin made up of minimum MS 38x38mm (SHS) and trusses made up of minimum 38x38mm (SHS) with one coat black japan primer paint on all MS structures. Cost of designing of	sqm	318	1022.2	325059.60

	roofing system comprising of roofing sheet and supporting frames and column, should be designed for all applicable loads and forces is included in this item of structural members. Size given in the item are subjected to compliance of design requirements.				
3	Providing and Fixing 4 mm thick cement fiber tile of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to form grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle of size(24x24X3000 mm made of 0.40 mm thick (minimum) , including, cutting/ making opening for services like grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main 'T' , for all heights, as per specifications, drawings and as directed by engineer-in-charge.	sqm	320	914.6	292672.00



Tender No. NHSRCL/VADODARA/PARCEL/2019-20/02

4.	Maintenance of parcel office building. This include all type of maintenance work pertaining to civil & plumbing items.	Per Month	36.00	10000.00	360000.00
TOTAL					1862251.60

Note:

- 1) TDS as applicable shall be deducted from the bills of the agency.
- 2) The Contractor shall maintain the structure with his own material, labour, transport etc. for a period of 24 months from the date of completion for which the cost is to be included in the offer rate. The maintenance will include all civil and plumbing items.
- 3) The contractor shall maintain the structure for further period of 36 months for which separate payment shall be made against concerned schedule item.
- 4) The contractor shall facilitate for the electrical works which includes fixing of electrical equipment, wiring, switch board, materials. The performance guarantee shall be released only after the successful completion of all the works including electrical works and successful commissioning of the parcel office.
- 5) The above cost is exclusive of GST. GST will be paid on actual basis by NHSRCL.



Signature of Tenderer

Date:-

FINANCIAL BID : Envelope "B" ,to be submitted in separate envelope.**OFFER SHEET**

Sr. No.	Schedule	Cost of schedule in Rs. Ps.	RATE QUOTED BY THE TENDERER	
			In Figures	In Words
1	DSR 2012 items	16,64,060.10	_____ %age Above/Below/At par*	_____ age Above/Below/At par*
2	NS items	18,62,251.60	_____ %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 should note that in case financial bid is included along with Technical Bid in envelope B, the bid will be summarily rejected.
4. The above cost is exclusive of GST. GST will be paid on actual basis by NHSRCL.
5. The agency must not have been debarred / blacklisted by any Govt. sector/PSUs/bilateral and multilateral agency. Tenderer should submit a notarised affidavit in support of above declaration

Signature of Contractor _____



Name of Authorised person _____

Date & Seal of Company _____

END OF DOCUMENT

A handwritten signature in black ink, appearing to be 'Devi', located in the lower right quadrant of the page.