Tender Reference No. NSPPL-C/RFP/FY26-27/MHRP/FOB & PGR

Request for Proposal (RFP)

Tender Title: Request for Engagement (RFP) Issued by National Highways InvIT Project Managers Pvt Ltd from Contractors for Construction of Foot Over Bridges (FOB) and Pedestrian Guard Rail (PGR) along from km 130.560 to km 209.120 of Muzaffarnagar-Haridwar Section of NH-334 in the States of Uttar Pradesh & Uttarakhand. Tender No. NSPPL-C/RFP/FY26-27/MHRP/FOB & PGR.

Corporate Office: 1st Floor, Asia Bhawan (Gate no 2), Road No 205, Sector – 9, Dwarka, New Delhi – 110075

DISCLAIMER

The information contained in this Request for Engagement ("RFP") or subsequently provided to Bidder(s), in documentary or any other form by or on behalf of the Employer and SPVs under the Employer by persons authorised to do so, is provided to interested parties on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an agreement and is neither an offer nor an invitation by the Employer to interested parties who submit their quote ("Bidders") in response to this RFP The purpose of this RFP is to provide Bidders with information that may be useful to them in preparing and submitting their proposals ("Proposal") for **Request for Engagement (RFP) Issued by National Highways InvIT Project Managers Pvt Ltd from Contractors for Construction of Foot Over Bridges (FOB) and Pedestrian Guard Rail (PGR) along from km 130.560 to km 209.120 of Muzaffarnagar-Haridwar Section of NH-334 in the States of Uttar Pradesh & Uttarakhand. Tender No. NSPPL-C/RFP/FY26-27/MHRP/FOB & PGR.** as per notified norms.

The Employer makes no representation or warranty and shall have no liability to any person or Bidder under any law, statute, rule or regulation or tort, principles of restitution or unjust enrichment or otherwise, for any loss, damage, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP and any assessment, assumption, statement or information contained herein or deemed to form part of this RFP, or arising in any way from this process.

A Bidder must warrant that all information provided by it to the Employer at the time of application and subsequently is true to the best of its knowledge and belief and specifically warrants that it has duly complied with the provisions of laws applicable to it. The Bidder indemnifies the Employer from any liabilities arising out of error, default, negligence or contravention of any applicable laws, including but not limited to submission of statutory forms and other such documents.

The issue of this RFP does not imply that the Employer is bound to select any Bidder(s) for any project. The Employer may accept or reject any proposal in its discretion and may ask for any additional information or vary its requirements, add to, or amend the terms, procedure and protocol set out in this RFP for bona fide reasons, which will be notified to all Bidders invited to tender. The Employer further reserves the right to annul the process at any time prior to issuance of the Letter of Award/Work Order/Purchase Order, without incurring any liability towards Bidders.

Bidders shall bear all costs associated with or relating to the preparation and submission of their Proposal, including but not limited to preparation, copying, postage, delivery fees, and expenses associated with any demonstrations or presentations which may be required by the Employer. All such costs and expenses shall remain with the Bidder, and the Employer shall not be liable in any manner for the same, regardless of the conduct or outcome of this RFP and the related process.

1. Introduction

M/s **National Highways InvIT Project Managers Private Limited on behalf of NHIT Southern Projects Private Limited (NSPPL)** hereinafter referred to as The Company, pursuant to the terms of the Concession Agreement, invites Bids/Proposal from Contractors for Construction of Foot Over Bridges (FOB) Pedestrian Guard Rail (PGR) along from km 130.560 to km 209.120 of Muzaffarnagar-Haridwar Section of NH-334 in the States of Uttar Pradesh & Uttarakhand.

Construction of Foot Over Bridge (FOB) and Pedestrian Guard Rail (PGR) (hereinafter referred to as "Road Furniture") of the Project Highway as described in the below section(s).

The Company hereby invites bids from eligible Contractors for Construction of Foot Over Bridge (FOB) and Pedestrian Guard Rail (PGR) of desired specification as per the Terms and Conditions, Scope of Work and Technical Specifications and Standards mentioned in subsequent sections.

2. Bid timelines

Tender RFP Reference Number	NSPPL-C/RFP/FY26-27/MHRP/FOB & PGR
Name of the Tender RFP	Request for Engagement (RFP) Issued by National Highways InvIT Project Managers Pvt Ltd from Contractors for Construction of Foot Over Bridges (FOB) and Pedestrian Guard Rail (PGR) along from km 130.560 to km 209.120 of Muzaffarnagar-Haridwar Section of NH-334 in the States of Uttar Pradesh & Uttarakhand.
Date of issue of Tender document.	24.10.2026
Last date and time for submitting Technical & Financial Bid Documents	06.11.2026, 11:00 AM
Portal/Email for Submission of Financial Bids (Password Protected)	**Praneeth.sagar@chtech.in, vsaidulu@chtech.in.; tender@nhit.co.in**
Place of Submission of Bid Documents	**National Highways InvIT Project Managers Pvt. Ltd.** 1st Floor, Asia Bhawan (Gate No. 2), Road No. 205, Sector-9, Dwarka, New Delhi – 110075

3. Terms & Conditions

S. No	Item Description	Responsibility & Scope of Work
1.	Engagement Period	The Initial Contract Period shall be for Three (03) Months.
2.	Construction Cost / Contract Value	The construction cost shall be based on BOQ as provided by The Company. BOQ rates agreed by the Company before signing of Contract. The BOQ rates shall be inclusive of all material, taxes, duties, manpower, equipment cost etc exclusive of GST.
3.	Quantity Variation	The quantity variation if any shall be paid to the Contractor as per actual site measurements.
4.	Termination	Upon finding deficiencies in quality of service/works, The Company will notify the Service Provider for rectification. Service Provider will be given 7 days for rectification in deficiencies, in case of non-response beyond 10 days, Termination notice may be issued with 20 days of notice.

S. No	Item Description	Responsibility & Scope of Work
5.	Performance Security	▪ Amount equivalent to 5% of the Contract Price shall be submitted within 15 days and the RA bills submitted for payments shall be withheld till the amount is recovered in case of non-submission of Bank Guarantee. ▪ Bank Guarantee (operable in New Delhi) shall be valid up to thirty days post the end of Defect Liability Period (DLP).
6.	Retention Amount	▪ The deduction of Retention Money shall be 06% from each bill, subject to a maximum of 05% of the total Contract Price.
7.	Tax Payment - GST Payment Clause	The bidder must have a valid GST Registration and PAN in India. In case of payment to a GST registered supplier, the GST amount as claimed in the invoices by the contractor in terms of provisions mentioned in the Contract Agreement/Purchase Order may be paid along with their invoices subject to: ▪ The GST portion that would be released would be proportionate to the amount of work certified as due for payment. ▪ If the GST for any previous invoice is not reflected or reflected incorrectly in GSTR-2B after the due date of filling Return under GST Act is over, then for further payments the GST portion will be withheld till the previous GST amount is reflected accurately in GSTR-2B and position to the extent as depicted above is rectified.
8.	Timelines & Payment Schedule	The payment of fee for the Services shall be monthly and shall be made only post submission of invoice duly approved by the Project Manager.
9.	Anti-Bribery & Corruption (ABC) Policy	It is our policy to conduct all our business in an honest and ethical manner. We take a zero-tolerance approach to Bribery and Corruption and are committed to acting professionally, fairly and with integrity in all our business dealings and relationships wherever we operate and implementing and enforcing effective systems to counter bribery. Requested to report improper demands from the NHIT Employees. You may address the same through email at **whistleblow@nhit.co.in**
10.	Labor Laws	The Agency shall be responsible for compliance as per prevalent labor laws.
11.	Insurance	The Agency shall at their cost and expense up to the end of the contract period, maintain coverage in respect of the following risks: a) Workmen's compensation policy. Any other insurance that the Agency may be required to take out under Indian law including comprehensive bodily injury and property damage. Such other insurances as the Agency may reasonably consider necessary or desirable in accordance with good industry practice together known as the ("Agency Insurances").
12.	Force Majeure	▪ A Force Majeure (FM) means extraordinary events or circumstance beyond human control such as an event described as an act of God (like a natural calamity) or events such as a war, strike, riots, crimes (but not including negligence or wrong-doing, predictable/seasonal

S. No	Item Description	Responsibility & Scope of Work
		rain and any other events specifically excluded in the clause). In the case of FM, the contract frees both parties (The Company & the Contractor) from contractual liability or obligation when prevented by such events from fulfilling their obligations under the contract. ▪ However, this does not excuse a party's non- performance entirely, but only suspends it for the duration of the FM. The parties have to give notice of FM as soon as it occurs, and it cannot be claimed ex-post facto. If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of FM for a period exceeding 90 (Ninety) days, The Company may at its option terminate the contract without any financial repercussion on the other side. ▪ Notwithstanding the punitive provisions contained in the contract for delay or breach of contract, the Contractor would not be liable for imposition of any such sanction so long as the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event covered in the FM clause.
13.	Indemnification	The Agency shall hold the Company or any representative thereof harmless and shall indemnify the same against all claims, penalties, fines, losses, damages, costs and proceedings arising from the breach or contravention of any laws, rules and regulations referred to in this order
14.	Governing law and dispute resolution	▪ This RFP and the resulting Contract shall be governed by and construed in accordance with the laws of India, and the courts at New Delhi shall have exclusive jurisdiction over any disputes arising hereunder. ▪ In the event of any dispute between the Parties, either party may call upon a person as the parties may mutually agree upon ('The Conciliator') to mediate and assist the parties in arriving at an amicable settlement thereof. Failing mediation by the Conciliator or without the intervention of Conciliator either party may require such dispute to be referred to the arbitration administered by the Arbitration and Conciliation Act, in accordance with the arbitration rules at present and as amended from time to time, which rules are deemed to be incorporated by reference in this clause. ▪ The seat of Arbitration shall be Delhi and the Language of Arbitration shall be English. The Arbitration tribunal shall consist of a sole arbitrator to be mutually appointed by both the Parties. The award shall be final and binding on the Parties and without appeal and capable of being enforced in any courts having jurisdiction.
15.	Ethics & integrity	The Selected Contractor/agency/firm is/are expected to maintain a high level of professional ethics and will not act in any manner, which is detrimental to The Company Interest.
16.	Defects Liability Period (DLP)	One (01) year from the date of completion of works.

S. No	Item Description	Responsibility & Scope of Work
17.	Mobilization Advance	Amount equivalent up to 20% (twenty percent) of the Contract Price against a bank guarantee of equivalent amount. The bank guarantee shall be released after recovery of the mobilization advance.
18.	Mobilization Advance Recovery	The Mobilization Advance shall be deducted from the Interim Invoices, issued immediately after 20% (twenty percent) of Estimated Contract Price has been paid. The deduction shall be made on pro-rata basis until such amount is fully recouped when the cumulative gross value of works done reaches 80% (eighty percentage) of the Estimated Contract Price.
19.	Material Source	The source and vendor for procuring materials shall be only finalized after due consultation and approval from the Company and should conform with the MoRTH specifications.
20.	Quality of Construction and Performance Standards	The Contractor shall ensure meeting all requirements of technical specifications and performance standards as provided in MORTH / IRC specifications and as per the checklist provided as annexure to the contract.
21.	Liquidated Damages/ Penalty for quality lapses	If the Contractor fails to complete the work on scheduled completion date, the Contractor shall be liable to pay delay damages in an amount that is higher of : a) % of Contract Price for every day of delay from the scheduled completion date and capped at 10% of the contract price ▪ The delay damages which the Company is liable to pay to the Authority because of delay.
22.	Clearances & Permits and Approvals	The Contractor shall procure required clearances & applicable permits required for execution of Works in coordination and assistance of the Company.
23.	Commencement Date	The commencement date shall be 07(seven) days from the date of bid opening. The Contractor has to complete the works on foundations.
24.	Completion Date	Three (03) Months from the date of issuance of LOA/WO.

4. Eligibility Criteria, Proposal Submission requirements and Bid Evaluation Criteria

Sr No	Criteria
1.	**Work Experience: -** The Bidder shall have a minimum experience of Five (5) years in Construction of Foot Over Bridges (FOB), Pedestrian Guard Rail (PGR) as on the Bid Due Date. “Similar Works” shall mean completed/ongoing works involving one or more of the following activities on National Highways, State Highways and Expressways. ▪ Executed a minimum of Three (03) projects before the Bid Due Date. Certified copies of the LoAs/Orders issued by the client or any other documentary proof of completion to be provided in the last five years. ▪ Sector-Specific Experience: Minimum three (03) years of experience in Construction of Foot Over Bridges (FOB), Pedestrian Guard Rail (PGR) in ToT, InVIT, BoT, or HAM Projects
2.	**Technical Evaluation:** The Company will evaluate the technical bid based on completed works, ongoing works, upcoming works, key team members, manpower, machinery.

Sr No	Criteria
3.	**Financial Standings:** Net Worth: The Net Worth for the previous three audited financial years shall be positive. a) Annual Turnover: - The Bidder should have cumulative revenue/turnover of a minimum Rs 15 Crore during the last three financial years. Certified copies of Financial Statements or certificate of turnover from Statutory Auditor / Chartered Accountant of the Bidder to be submitted along with the bid.
4.	**Resources Availability:** The bidder shall submit a declaration of resources available for this Project.
Note	The Company may carry out due diligence of the bidder to validate the information submitted by the bidder. The Company will reject the bid in case of any discrepancy found in the financial standings submitted by the bidder.

5. Bid Submission Process

5.1 The bidder is expected to read and examine all instructions, terms & conditions, forms, Scope of Work, Technical Specifications, etc. carefully in the RFP. Bids which don't meet the requirements of the RFP, shall be rejected.

5.2 The bidder shall furnish all the documents in its bid

- Annexure A: Technical Proposal
- Annexure B: Financial Proposal
- Annexure C: Good For Construction Drawings (GFC)
- Annexure D: Bid Evaluation Criteria
- Annexure E: List of Approved Makes
- Annexure F: Vendor Declaration
- Safety Plan as per Company's SOP

5.3 The Company will carry out the background verification of all agencies. Bids will be disqualified if bidder has

- Made misleading or false representations in the forms, statements, and attachments submitted with the bid.
- Any criminal records or any history of indulging in any corrupt practices in the past.
- Records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures in previous execution work, etc.

6. A - Scope of Work – Construction of Foot Over Bridge (FOB)

6.1 Excavation Works

- Excavation for foundations shall be carried out to required depths in all types of soil as per Approved Drawings.
- The above scope includes dressing, trimming, dewatering, and disposal of surplus excavated material.

6.2 Foundation Works

- Ground improvements shall be carried out if required, as per the site conditions and instructions from the concerned authorities or representatives from the concessionaire.
- Providing and laying PCC (M15) for levelling course.
- Providing and Laying of RCC (M30) for foundations, pedestals, and substructure elements as per the Approved Drawings.
- Backfilling works shall be carried out with the required soil in all aspects after completion of the foundation works.

6.3 Fabrication of Structural Steel Works

- Fabrication of structural steel girders and its components as per the Approved Drawings.
- Provision of connections, bearings, and fixtures as per design as per the Approved Drawings.
- Steel girders, cross beams, bracings, columns, staircases, and other components as per the Approved Drawings.
- Including the structural steel work Complete in all respect of Drawings.

6.4 Erection of Structural Steel Works

- Erection of girders using cranes/launching methods as per site requirements.
- Aligning, levelling, and fixing the erected structure to the position.
- Installation of bearings, anchor bolts, and base plates.
- Field welding/bolting including high-strength friction grip (HSFG) bolts as specified.
- Proper tightening, torquing, and inspection of all connections
- Providing and fixing deck slab (RCC / steel deck / chequered plate as per the Approved Drawings).
- Applying anti-skid treatment over deck surface if required.

6.5 Traffic Management and Safety Measures

- The Contractor shall prepare and submit a Traffic Management Plan for approval prior to the Commencement of works.
- Traffic diversion shall be carried out as per IRC guidelines and the contractor shall ensure the safety measures are taken as per the SOP enclosed as part of the RFP.
- The Contractor shall provide the required barricading, caution boards, and safety signage during the installation.
- The Contractor is fully responsible for safety and traffic management during execution.

6.6 Installation of Staircase

- Fabrication and erection of staircases and/or ramps as specified in the Approved Drawings with structural steel.
- Installation of treads, risers, and landings.
- Provision for accessibility features if specified.

6.7 Protective and Finishing Paint

- Final galvanized painting touch-up for the structural elements after erection. (All structural steel members shall be painted to protect the members from rusting and long standing).
- Application of final coats as per the Approved Drawing.
- Ensuring long-term durability and weather resistance.

6. B - Scope of Work – Supply and Installation of Pedestrian Gurad Rail (PGR)

- The scope includes providing, supplying, and fixing of Pedestrian Guard Rail (PGR), along with all associated civil, structural, and finishing works, traffic management, and installation, complete in all respects as per approved drawings, IRC:103-2012, and MoRTH specifications.

7. Miscellaneous

- **All tests for materials as per Morth specification shall be in the scope of Agency/Firm.**
- Contractor shall assist in obtaining the required approvals from the Independent Engineer or concerned authorities.
- The rate shall include all costs associated with labor, material, machinery, Excavation, transporting, placing, Panting, curing, sampling, testing, and incidental works. Shuttering costs, where required, are also deemed included in the rate. The work shall be executed with due diligence, adhering to environmental and safety measures, and ensuring compliance with the project's specifications and MoRTH standards.
- All costs towards transport, handling, hoisting, storage, watch and ward for all the materials procured for use in the Works, including all the equipment, labour, machinery, tools and tackles required for the Works and other Works as per needs from time to time shall be included in the Quoted Price and no extra claim on account of these charges will be entertained.
- Contractor shall obtain all approvals including:
- Source approvals
- JMF approvals
- QC approvals
- Traffic Management Plan

8. Completion and Handover

- A joint inspection shall be carried out with the concerned authorities for the Final alignment and finished structure in all aspects as per the Approved Drawings before the handover.

National Highways Infra Trust

ANNEXURE – A

(On the letterhead of the bidder)

Tender Title: Request for Engagement (RFP) Issued by National Highways InvIT Project Managers Pvt Ltd from Contractors for Construction of Foot Over Bridges (FOB) and Pedestrian Guard Rail (PGR) along from km 130.560 to km 209.120 of Muzaffarnagar-Haridwar Section of NH-334 in the States of Uttar Pradesh & Uttarakhand. **Tender No**. NSPPL-C/RFP/FY26-27/MHRP/FOB & PGR.

To,
M/s National Highways InvIT Project Managers Pvt. Ltd.
(On Behalf of SPV)
1st Floor, Asia Bhawan (Gate No 2), Road No 205,
Sector – 9, Dwarka, New Delhi-110075

Subject: Technical bid for Request for Engagement (RFP) Issued by National Highways InvIT Project Managers Pvt Ltd from Contractors for Construction of Foot Over Bridges (FOB) and Pedestrian Guard Rail (PGR) along from km 130.560 to km 209.120 of Muzaffarnagar-Haridwar Section of NH-334 in the States of Uttar Pradesh & Uttarakhand. **Tender No**. NSPPL-C/RFP/FY26-27/MHRP/FOB & PGR.

Sir/Madam,

We, the bidder, having read and examined in detail the Specifications and Scope of the Work as specified in this document in respect of Engagement of Contractors for Construction of Foot Over Bridges (FOB) and Pedestrian Guard Rail (PGR) along from km 130.560 to km 209.120 of Muzaffarnagar-Haridwar Section of NH-334 in the States of Uttar Pradesh & Uttarakhand. Tender No. NSPPL-C/RFP/FY26-27/MHRP/FOB & PGR.

1. Financial Standings

The contractor should provide all the required details in the table below and submit the supporting documents.

S. No	Description	FY 2025-26	FY 2024-25	FY 2023-24	FY 2022-23	FY 2021-22
1	Total Assets					
2	Current Assets					
3	Total External Liabilities					
4	Current Liabilities					
5	Liquidity (2-4)					
6	Profitability					
7	Net Worth (1-3)					
8	Annual Turnover					

**** Balance Sheet and Income Statement for the respective years must also be submitted.***

2. Past Experience and Testimonials

The Contractor should submit the details of all past projects in the last 5 years. Work Value, including the following:

S. No.	Description of Work	Name of the Client along with contact person details	Total Work Value (INR Cr.)	Project Start Date	Project End Date
1					
2					
3					
4					
5					

Role & Responsibilities of the Contractor Personnel:

a) Prepare and share Construction plan with Concessionaire before the start of the work.
b) Maintain and update the Project Procurement details.
c) Coordination with the concerned authorities and Concessionaire / IC.
d) Manage the traffic and safety control equipment during the construction works.

3. Key Terms and Conditions

e) A Performance Bank Guarantee (PBG) of 5% of the Contract Value (excluding GST) must be submitted within 15 working days of the award of the contract or mail confirmation.
f) Financial Proposals will only be considered and evaluated for Contractors who fulfils the technical evaluation criteria and are deemed suitable by the Company for the execution of the works.
g) If the company discovers any discrepancies or false information shared during the technical evaluation of the contractor, the contractor will not be considered for the current or any future works of the company, and disciplinary actions will be taken as per the Company's policy.
h) Failure to share proofs of submitted information in this form may result in non-consideration for the financial proposal for this project.

Thanking You

Yours,

Authorized Signatory

(Name of representative, Designation, Contact & Communication details)		*(Date)*
(Name of Firm, Address, Contact & communication details)		*(Seal/Stamp of the Firm)*

ANNEXURE – B
FINANCIAL PROPOSAL

(On the letterhead of the bidder)

From (Name, Address, Contact & Communication Details of the Bidder)

To,
M/s National Highways InvIT Project Managers Pvt. Ltd.
(On Behalf of SPV)
1st Floor, Asia Bhawan (Gate No 2), Road no 205,
Sector – 9, Dwarka, New Delhi-110075

Subject: Request for Engagement (RFP) Issued by National Highways InvIT Project Managers Pvt Ltd from Contractors for Construction of Foot Over Bridges (FOB) and Pedestrian Guard Rail (PGR) along from km 130.560 to km 209.120 of Muzaffarnagar-Haridwar Section of NH-334 in the States of Uttar Pradesh & Uttarakhand. Tender No. NSPPL-C/RFP/FY26-27/MHRP/FOB & PGR.

1. (A) Bill of Quantities for Construction of Foot Over Bridge (FOB) is mentioned below.

BoQ Item No.	Description	Unit	Quantity	Unit Rate	Amount in Rs.
			A	B	C = (A x B)
1	**BILL NO.1 EARTHWORK**				
1.01	**Embankment Construction with Material Obtained from Borrow Pits** (Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2)	Cum	140.000		
	TOTAL FOR BILL NO.1				
2	**BILL NO.2 FOOT OVER BRIDGE**				
2.01	**Earthwork in excavation** of foundations of structures in all kinds of soils including all leads and lifts complete as per drawings and Technical Specifications Clause 304				
a)	All types of soils including marshy soil and ordinary rock	Cum	274.469		
2.02	**M15 Grade** Plain Cement Concrete below foundation, footings, etc as levelling course as per drawings, clause 1500, 1700 & 2100 of MORT&H Specification (2001).	Cum	14.013		
2.03	Providing and laying plain/Reinforced cement concrete for foundation and substructure complete as per drawing and technical specifications section 1500,1700,2100 and 2200				
a)	RCC M20	Cum	55.253		
b)	RCC M30	Cum	70.275		
2.04	Supplying, fitting and placing HYSD bar reinforcement of Grade Fe 415 complete as per drawings and Technical Specifications Section 1600 (In Foundations)	MT	11.210		

BoQ Item No.	Description	Unit	Quantity	Unit Rate	Amount in Rs.
			A	B	C = (A x B)
2.05	Providing and laying **chequered cement concrete heavy-duty flooring tiles** of size 300 mm × 300 mm (approximately 1 ft × 1 ft) and 25 mm thick, conforming to IS 13801:2013, of approved colour, shade and pattern, laid over 20 mm thick cement mortar bed 1:4 (1 cement : 4 coarse sand), including cement slurry, jointing with neat cement slurry/pigment matching the shade of tiles, cutting and fitting wherever required, curing, cleaning and finishing complete, including all materials, labour, tools, tackles and incidental works, as per drawings, relevant specifications and as directed by the Engineer-in-Charge.	No's	2,279.705		
2.06	Providing and fixing **pedestrian guard railing** along footpath/at-grade pedestrian area in the vicinity of Foot Over Bridge (FOB), comprising mild steel/galvanized steel posts, horizontal rails and vertical members of approved size and configuration, including excavation, fixing posts in cement concrete foundations, structural steel work, welding, cutting, drilling, nuts, bolts, fasteners and all necessary fittings, surface preparation and approved protective coating/painting, making good the footpath after installation, complete in all respects as per approved drawings, relevant IRC/MoRTH specifications and as directed by the Engineer.	Rmt	150.000		
2.07	Metal Colour Roof Sheet (MS Sheet 2 mm thick)	Sqm	111.900		
2.08	Wire Jali Mesh (2m Height)	Rmt	77.700		
2.09	**Painting on Steel Surfaces** (Providing and applying two coats of ready-mix paint of approved brand on steel surface after thorough cleaning of surface to give an even **shade**)	Sqm	853.241		
2.10	**Providing structural steel** for super-structure complete as per drawing and technical specifications including applying with the required galvanized paints as per the drawings.	MT	25.223		
2.11	**Back filling** in Foundations and return walls with selected granular material of approved quality including all the material, labour equipment carriage etc. all complete as per drawing and Technical Specification Clause 305	Cum	184.112		
2.12	Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical specification	Cum	63.000		
2.13	Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications	Cum	126.000		
	TOTAL FOR BILL NO.2				
(A)Total Cost for Construction for FOB (Bill no 1 + Bill no 2)					
	All charges for supply and fixing of MS Pedestrian Guard Rail with a foundation of M15 grade concrete as per the approved drawings and technical specifications. The size of	RMT	5820		

BoQ Item No.	Description	Unit	Quantity	Unit Rate	Amount in Rs.
			A	B	C = (A x B)
	the foundation is 300mm x 300mm x 450mm.The foundation concrete shall be placed manually, during fixing of MS Pedestrian Guard Rail ensure uniformity and alignment. The surface of the PGR shall be finished with one coat of red oxide primer and two coats of enamel paint of an approved shade (Asian or equivalent). The work includes excavation for foundation, all labour, materials, machinery, transportation and overheads required for the construction, finishing, and painting of the PGR. The work shall be executed in accordance with MoRTH's specification and the relevant IS codes, ensuring proper quality control. The final price includes the cost of procurement of cement, aggregates, Steel and other materials, including royalty charges. The cost also covers the labour, machinery, equipment, transportation, Fabrication, fixing, excavation of foundation, Backfilling, proper finishing of separator surface, work zone safety, primer, and enamel paint (2 coats).				
	(B) Total Cost for Supply and Installation of Pedestrian Guard Rail				

2. Scope of Work for Supply and Installation of Pedestrian Guard Rail (PGR) along Muzaffarnagar-Haridwar Section is mentioned below.

S.no	Chainage		Length (m)	Side	Remarks
	From	To			
1	202+000	202+120	240	BHS	
2	203+100	203+820	1440	BHS	Bridge Portion - LHS
3	204+150	204+350	400	BHS	
4	204+500	204+550	100	BHS	
5	204+650	205+850	2400	BHS	
6	203+530	203+930	800	BHS	Bridge Portion - RHS
7	206+000	206+220	440	BHS	
		Total	**5820**		

3. Total Contract Price

S.no	Description	Amount (Rs)
A	Total Amount for Construction of Foot Over Bridge (FOB)	
B	Total Amount for Supply and Installation of Pedestrian Guard Rail (PGR)	
	Cumulative Total (Excl. GST)	

4. The Payment Schedule shall be followed as tabulated below

S.no	Stage of Payment	Unit	Weightage	Amount
Foundation: On Completion of the Foundation Work Including PCC & Raft				
1.	PCC including Ground improvement if required complete in all respect	Nos	9.93%	
2.	Open Foundation including Steel fixing, Concreting etc complete in all respect.	Nos	5.98%	
Structural Steel Work				
3.	Supply of Structural Steel	MT	29.34%	
4.	Fabrication & Installation of Structural Steel, including Railing works.	MT	37.76%	
5.	Completion of Roof Work	Sqm	2.92%	
6.	Others Misc. work which is not covered in above	LS	4.75%	
Supply & Fixing of PGR				
7.	Supply & Fixing of Pedestrian Guard Rail (PGR)	Rmt	9.32%	
		Total	**100%**	

Name and Signature of Bidder's Authorized Signatory **Date:**

National Highways Infra Trust

ANNEXURE – D
EVALUATION CRITERIA

Bid Evaluation Criteria shall be undertaken as tabulated below.

S. no	Evaluation Criteria & Scoring Guidance	Maximum Marks
1.	**Experience in Similar Fields (Min. 5 years)** 05 Years to 07 Years — 20 Marks 07 years to 10 Years – 25 Marks More than 10 Years – 30 Marks	30
2.	**Number of Projects (Minimum 03 FOB Projects during last 3 years)** 03 to 05 Projects – 10 Marks 06 to 07 Projects – 15 Marks More than 07 Projects – 25 Marks	25
3.	**Minimum Length (Minimum 10 kms of PGR Installation's during last 3 years)** 10 to 15 kms – 05 Marks 15 to 20 kms – 7.5 Marks More than 20 kms – 15 Marks	15
4.	**Last Three years Cumulative Turnover (15 Cr)** 15 Cr to 20 Cr: Last 3 years Cumulative turnover – 20 Marks 20 Cr to 25 Cr: Last 3 years Cumulative turnover – 25 Marks 25Cr Above: Last 3 years Cumulative turnover – 30 Marks	30
	Total Technical Score:	**100**

ANNEXURE-E
LIST OF APPROVED MAKES

S.no	Irem Description	Name of Approved Supplier
1.	Cement	Ultratech Cement Ltd.
		Ambuja Cement - Holcim
		J K Super Laxmi
		Shree Cement
		Birla/Mangalam Cement
		ACC Ltd.
2.	Reinforcement Steel	SAIL
		TATA Steel
		Rastriya Ispat Nigam Ltd. (RINL)
		Jindal Steel Power Ltd.
		JSW Steel Ltd.
3.	Plates	Essar Steel Limited
		SAIL
		Jindal Steel & Power Limited
		JSW Steel Ltd.
		RINL
		Uttam Galva Steel
		Bhushan Steel & Power
		Arcelor & Mittal
		TATA Steel
4.	Structural Steel	TATA Steel
		SAIL
		RINL
		Jindal Steel Power Ltd.
5.	Chequered Tiles (25mm thk)	Local vendors complying IS requirement
6.	Paints	Jotun
		Asian
		Nerolac
		Berger
		Grandpolycoat

ANNEXURE-F

(On the Letter Head of the Bidder)

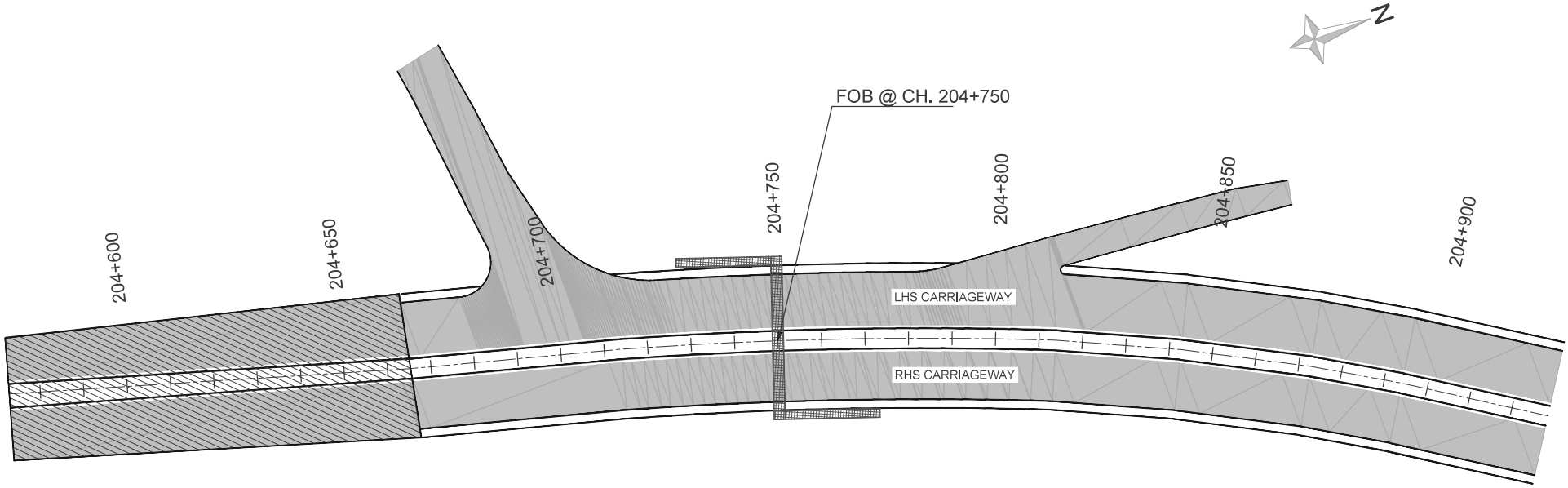
Subject: Request for Engagement (RFP) Issued by National Highways InvIT Project Managers Pvt Ltd from Contractors for Construction of Foot Over Bridges (FOB) and Pedestrian Guard Rail (PGR) along from km 130.560 to km 209.120 of Muzaffarnagar-Haridwar Section of NH-334 in the States of Uttar Pradesh & Uttarakhand. Tender No. NSPPL-C/RFP/FY26-27/MHRP/FOB & PGR.

We hereby state that all the terms and conditions written in the bidding document have been agreed and acknowledged and we have read all the bid documents and duly acknowledge the work requirements.

Thanking You
Yours,

Authorized Signatory

(Name of representative, Designation, Contact & Communication details)		*(Date)*
(Name of Firm, Address, Contact & communication details)		*(Seal/Stamp of the Firm)*



REV.	DATE	DESCRIPTION OF REVISIONS
R0	03/10/26	FOR INITIAL DRAFT SUBMISSION

CLIENTS :

National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :

National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

INDEPENDENT ENGINEER :

Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

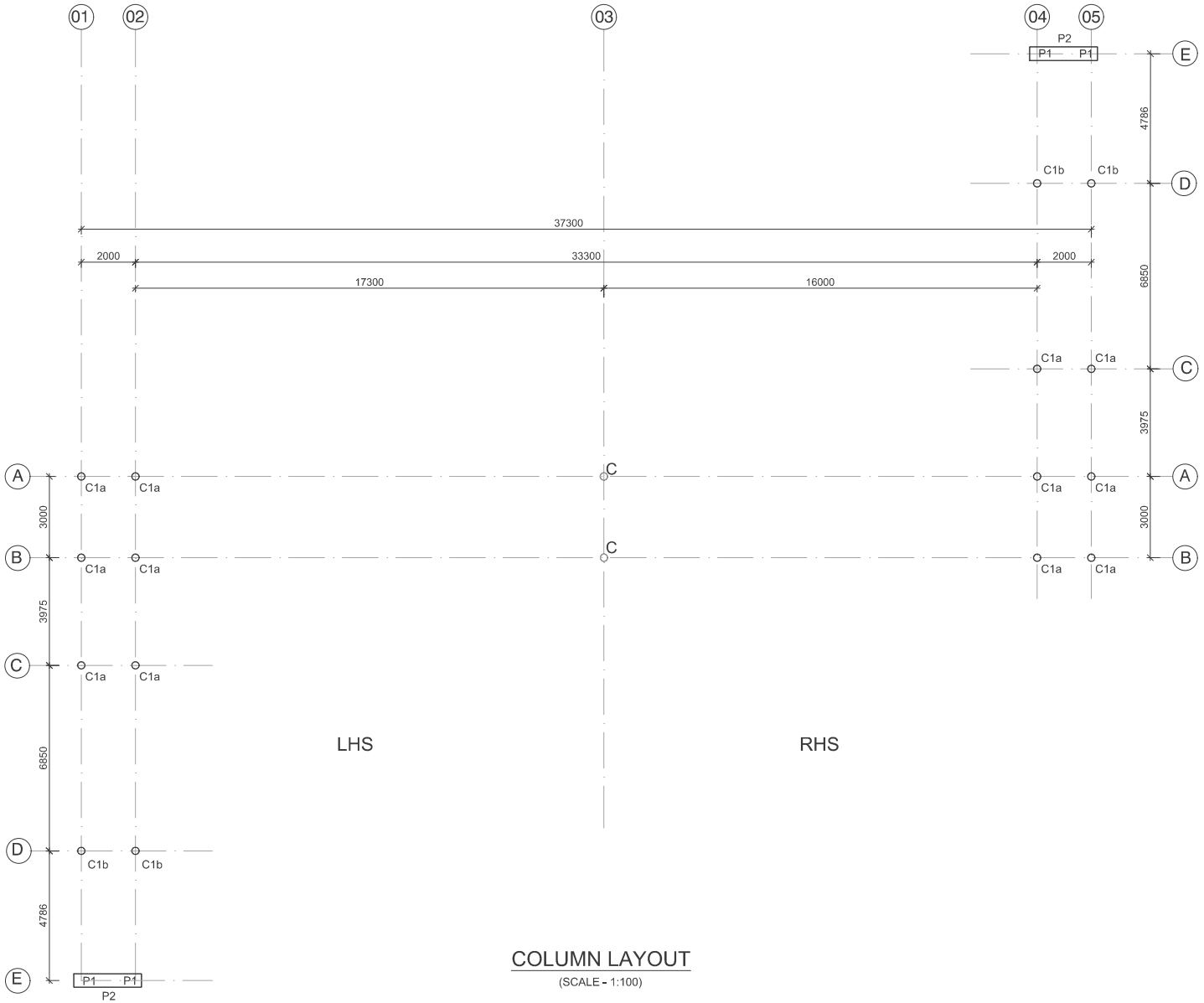
DESIGN CONSULTANT:

Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION	
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.	
Designed by:	SAHITHI				
Drawn by:	SHAFI / RAJESH		TITLE:	KEY PLAN OF FOOT OVER BRIDGE AT CH : 204+750	
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No. :	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-01	REV. R0 / SHEET 1 of 1

03/10/2026 - 8:36pm
PATH: C:\Users\Shafiulla Taredahal\OneDrive - Cube Highways Technologies Pvt Limited\Cubetech Data\CHTL\PROJECTS\MHPL\FOB\CHTL-NHAI-MHPL-FOB-CH.204+750-ST-01.dwg

Size: A2 594X420



COLUMN LAYOUT

(SCALE - 1:100)

REV.	DATE	DESCRIPTION OF REVISIONS
R0	03/10/26	FOR INITIAL DRAFT SUBMISSION

CLIENTS :

National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :

National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

INDEPENDENT ENGINEER :

Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

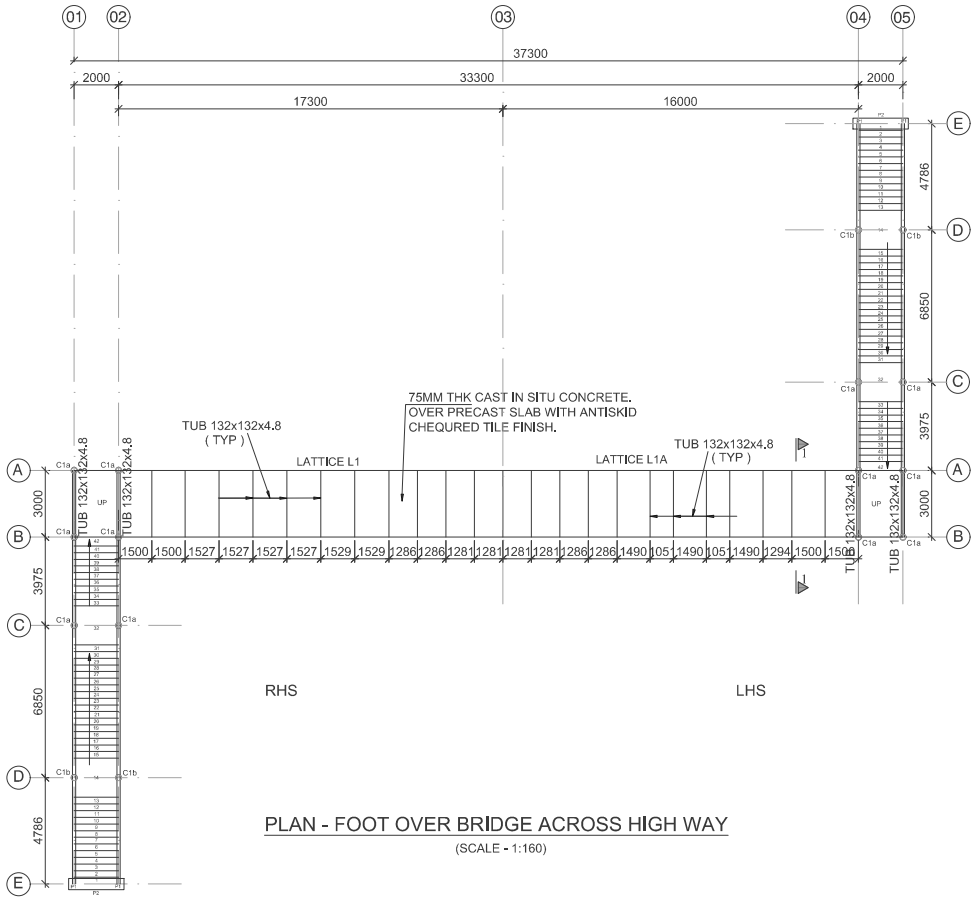
DESIGN CONSULTANT:

Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION	
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.	
Designed by:	SAHITHI				
Drawn by:	SHAFI	RAJESH	TITLE:	COLUMN LAYOUT OF FOB AT CH : 204+750	
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No. :	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-02	REV. R0 / SHEET 1 of 1

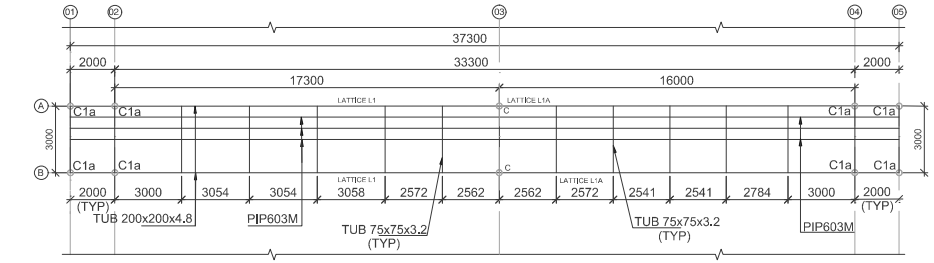
03/10/2026 - 8:36pm
PATH: C:\Users\ShafiullaTaredahal\OneDrive - Cube Highways Technologies Pvt Limited\Cubetech Data\CHTL\PROJECTS\MHPL\FOB\CHTL-NHAI-MHPL-FOB-CH.204+750-ST-02 to ST-07.dwg

Size: A2 594X420



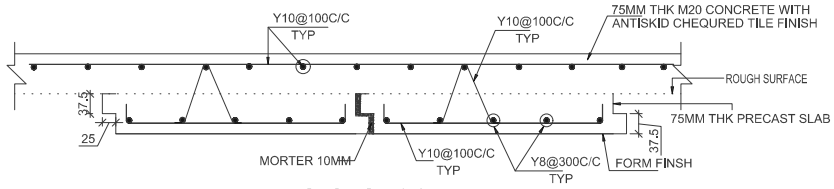
PLAN - FOOT OVER BRIDGE ACROSS HIGH WAY

(SCALE - 1:160)



PLAN - ROOF LAYOUT OF FOOT OVER BRIDGE ACROSS HIGH WAY

(SCALE - 1:160)



SECTION 1-1

(SCALE - 1:50)

INDEX			
SL. NO	ITEM		SHAPE AND SIZE
1	STEEL COLUMN	C	NB 300(9.5 THK)
2	STEEL COLUMN	C1a	NB250 (8.0 THK)
3	STEEL COLUMN	C1b	NB150 (6.0 THK)

PRECAUTIONARY MEASURES:

1. NO HORDING SHOULD BE ALLOWED IN A PEDESTRIAN BRIDGE
2. NO PROJECTIONS OF ANY DIMENSION ARE ALLOWED ON THE FINISHED FLOORING OF THE FOB, SIDE RAILINGS AND STEPS.
3. LIVE ELECTRIC WIRES, TELEPHONIC CABLES AND ANY MOVING OBJECTS SHALL NOT BE PROVIDED OR CROSS THE BRIDGE. FLUSH TYPE HIDDEN SYSTEM WITH ADEQUATE LUMINOSITY MAY BE USED.
4. SPECIAL SIGNAGE BOARDS TO WARN ROAD USERS ABOUT THE HEAD ROOM CLEARANCE OF 5.5M AT APPROPRIATE DISTANCE FROM THE FOB LOCATIONS.

REV.	DATE	DESCRIPTION OF REVISIONS
R0	03/10/26	FOR INITIAL DRAFT SUBMISSION

CLIENTS :
National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :
National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

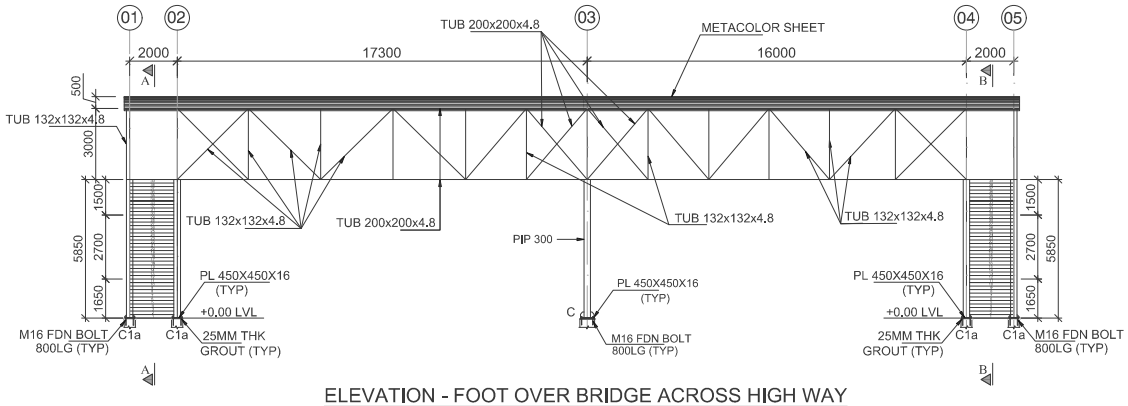
INDEPENDENT ENGINEER :
Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

DESIGN CONSULTANT:
Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION	
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.	
Designed by:	SAHITHI				
Drawn by:	SHAFI RAJESH		TITLE:	PLAN & ROOF LAYOUT OF FOB AT CH : 204+750	
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No.:	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-03	REV. R0 / SHEET 1 of 1

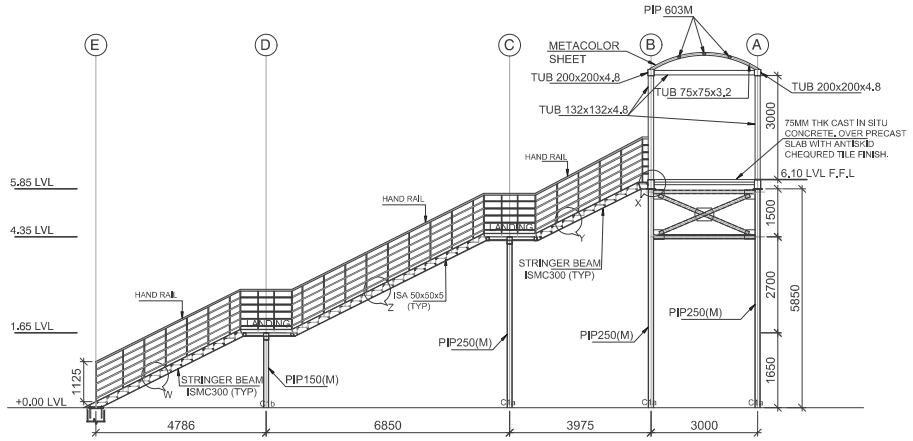
03/10/2026 - 8:36pm
PATH: C:\Users\Shafiulla Taredahal\OneDrive - Cube Highways Technologies Pvt Limited\Cubetech Data\CHTL\PROJECTS\MHPL\FOB\CHTL-NHAI-MHPL-FOB-CH.204+750-ST-02 to ST-07.dwg

Size: A2 594X420



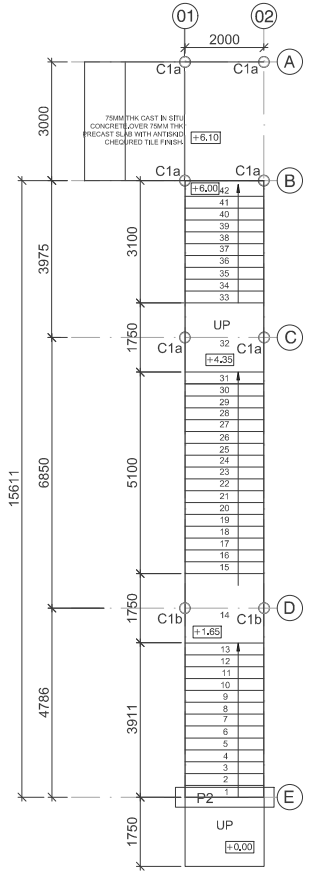
ELEVATION - FOOT OVER BRIDGE ACROSS HIGH WAY

(SCALE - 1:150)



SECTION A-A @ LHS

(SCALE - 1:100)



LHS PLAN -STAIR CASE DETAIL

(SCALE - 1:90)

R0	03/10/26	FOR INITIAL DRAFT SUBMISSION
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENTS :

National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :

National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

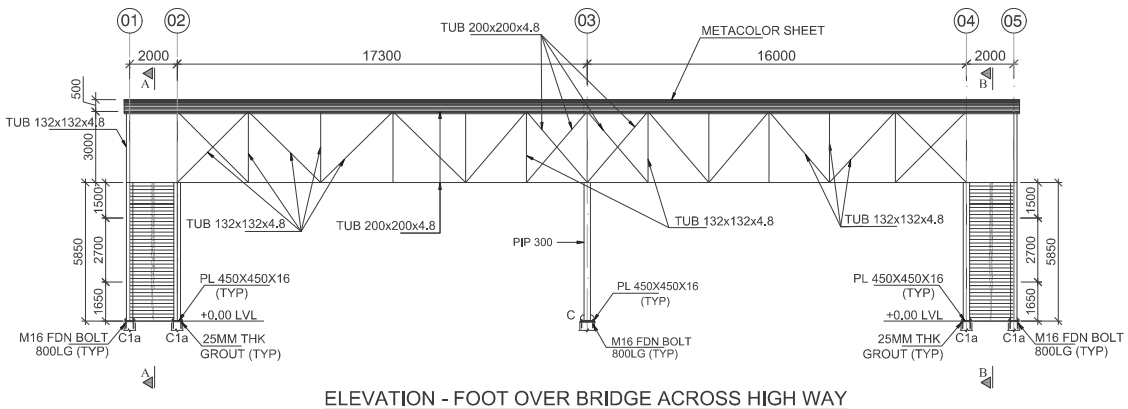
INDEPENDENT ENGINEER :

Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

DESIGN CONSULTANT:

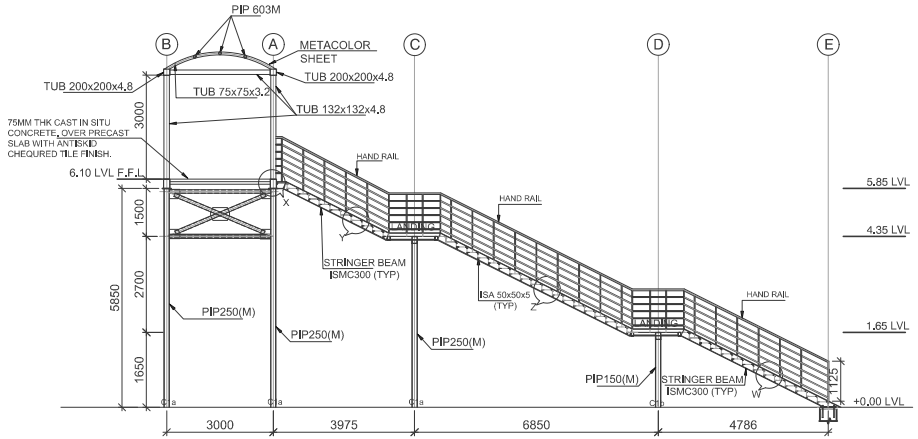
Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION	
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.	
Designed by:	SAHITHI				
Drawn by:	SHAFI	RAJESH	TITLE:	ELEVATION - STAIRCASE PLAN AND DETAILS FOR FOB ON LHS AT CH : 204+750	
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No. :	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-04	REV. R0 / SHEET 1 of 1



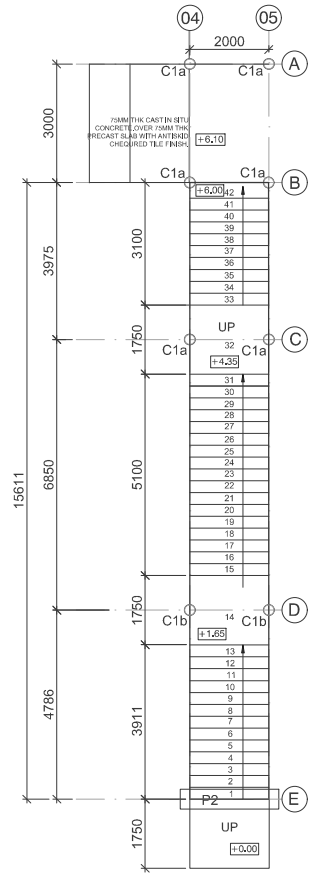
ELEVATION - FOOT OVER BRIDGE ACROSS HIGH WAY

(SCALE - 1:150)



SECTION B-B @ RHS

(SCALE - 1:100)



RHS PLAN -STAIR CASE DETAIL

(SCALE - 1:90)

REV.	DATE	DESCRIPTION OF REVISIONS
R0	03/10/26	FOR INITIAL DRAFT SUBMISSION

CLIENTS :

National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :

National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

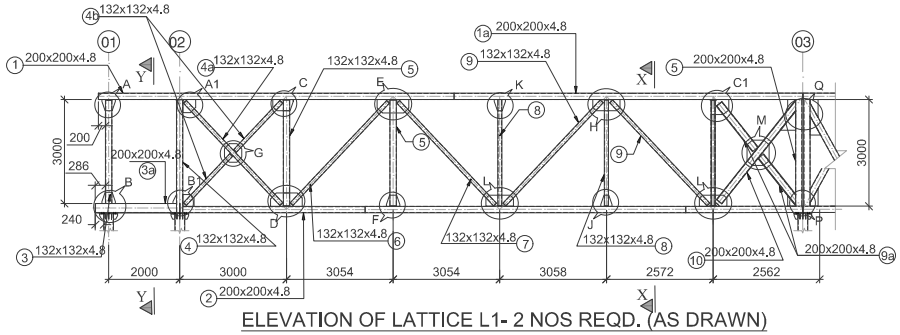
INDEPENDENT ENGINEER :

Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

DESIGN CONSULTANT:

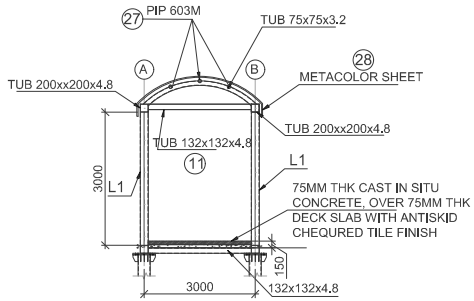
Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION	
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.	
Designed by:	SAHITHI				
Drawn by:	SHAFI / RAJESH		TITLE:	ELEVATION - STAIRCASE PLAN AND DETAILS FOR FOB ON RHS AT CH : 204+750	
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No. :	CHTL/NHAI/MHPL/FOB/CH_204+750/ST-05	REV. R0 / SHEET 1 of 1

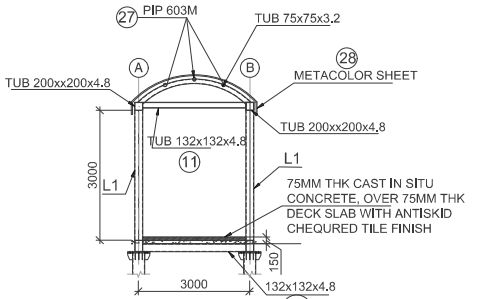


ELEVATION OF LATTICE L1- 2 NOS REQD. (AS DRAWN)
ELEVATION OF LATTICE L1A-2 NOS REQD. (OPP. HAND)

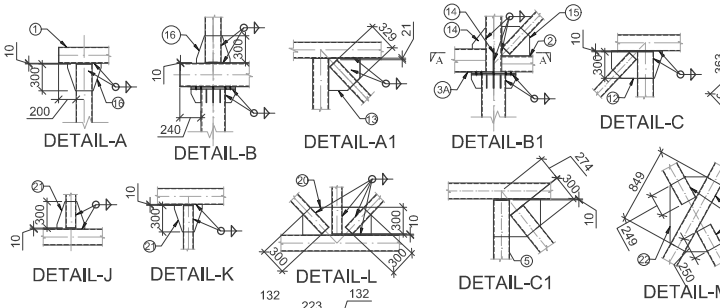
(SCALE - 1:100)



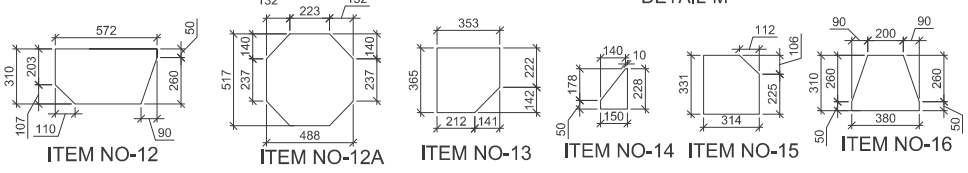
SECTION X-X



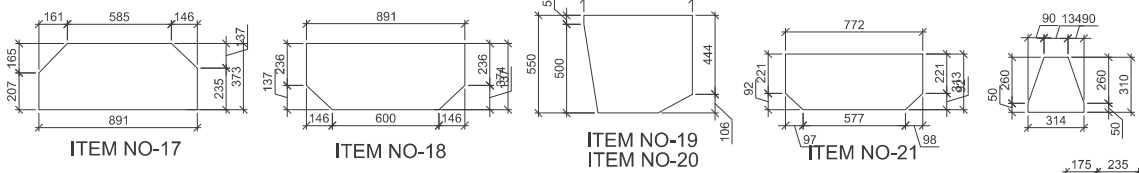
SECTION Y-Y



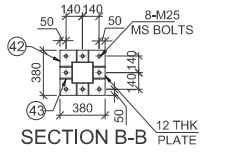
DETAIL-A, DETAIL-B, DETAIL-A1, DETAIL-B1, DETAIL-C, DETAIL-D, DETAIL-E, DETAIL-F, DETAIL-G, DETAIL-H, DETAIL-J, DETAIL-K, DETAIL-L, DETAIL-C1, DETAIL-M, DETAIL-P, DETAIL-Q, SECTION A-A



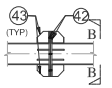
ITEM NO-12, ITEM NO-12A, ITEM NO-13, ITEM NO-14, ITEM NO-15, ITEM NO-16, ITEM NO-43



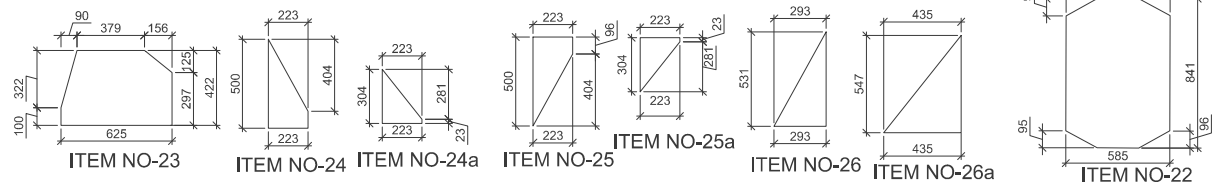
ITEM NO-17, ITEM NO-18, ITEM NO-19, ITEM NO-20, ITEM NO-21



SECTION B-B



TYPICAL SPLICE DETAIL



ITEM NO-23, ITEM NO-24, ITEM NO-24a, ITEM NO-25, ITEM NO-25a, ITEM NO-26, ITEM NO-26a, ITEM NO-22

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. READ ONLY THE GIVEN DIMENSIONS DO NOT SCALE THE DRAWING.
3. ALL WELDS ARE 6MM FILLET UNO.
4. WELD SIZE SHOULD NOT EXCEED THE THICKNESS OF PARENT MEMBER.
5. WELDING PROCEDURE & TECHNIQUES CONFORMS TO IS 816 & IS 9595.
6. ALL STEEL TUBES FOR STRUCTURAL PURPOSES ARE Yst 340 CONFORMING TO IS 1161.
7. FULL SCALE MARKING WILL BE DONE AT SITE BEFORE TAKING UP FRABRICATION.
8. ERECTION BOLT INDICATED THUS:
9. PERMANENT BOLT INDICATED THUS:
10. ALL BOLTS ARE 16 MM DIA UNLESS NOTED OTHERWISE.
11. GRADE OF BOLT = 4.6
12. GRADE OF STEEL PLATE = E410
13. ALL GUSSET PLATES ARE 10MM THK U.N.O
14. ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED BEFORE EXECUTION OF THE WORK.
15. PROVIDE, LENGTH OF WELD
    Lw = 196 mm, FOR (132 x 132 x 4.8 MEMBER)
    Lw = 298 mm, FOR (200 x 200 x 4.8 MEMBER)
16. **LENGTH OF COLUMNS MAY VARY AS PER SITE CONDITIONS.**

REV.	DATE	DESCRIPTION OF REVISIONS
R0	03/10/26	FOR INITIAL DRAFT SUBMISSION

CLIENTS :

National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :

National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

INDEPENDENT ENGINEER :

Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

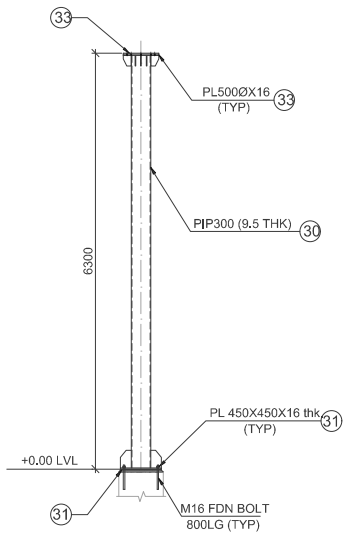
DESIGN CONSULTANT:

Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

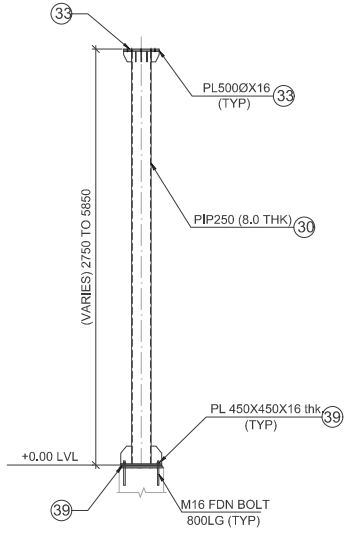
Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.
Designed by:	SAHITHI			
Drawn by:	SHAFI / RAJESH		TITLE:	LATTICE DETAILS OF FOB AT CH : 204+750
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No. :	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-06 REV. R0 SHEET 1 of 1

03/10/2026 - 8:36pm
PATH: C:\Users\Shafiulla Taredahal\OneDrive - Cube Highways Technologies Pvt Limited\Cubetech Data\CHTL\PROJECTS\MHPL\FOB\CHTL-NHAI-MHPL-FOB-CH.204+750-ST-02 to ST-07.dwg

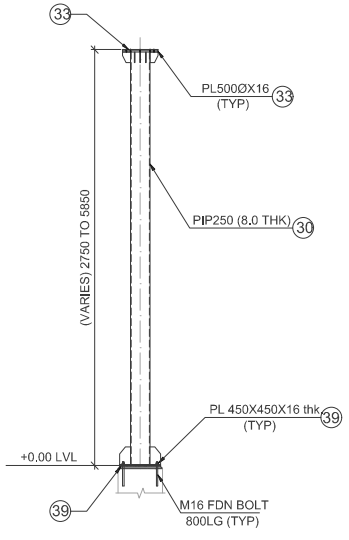
Size: A2 594X420



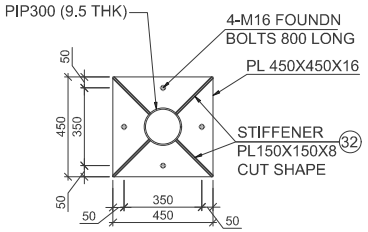
ELEVATION OF COLUMN C (2 NOS REQD.)



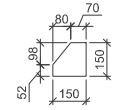
ELEVATION OF COLUMN C1a (12 NO REQD.)



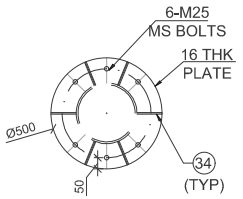
ELEVATION OF COLUMN C1b (4 NO REQD.)



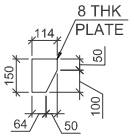
ITEM NO 31



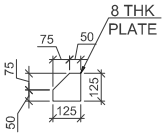
ITEM NO 32



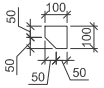
ITEM NO 33



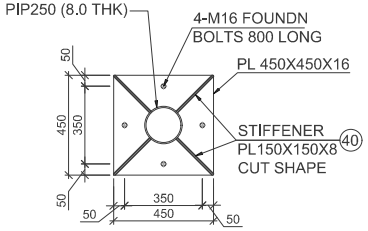
ITEM NO 34



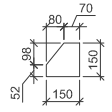
ITEM NO 36



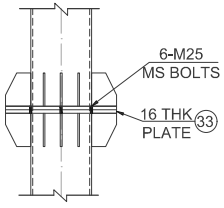
ITEM NO 38



ITEM NO 39



ITEM NO 40



TYP SPLICE DETAIL

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. READ ONLY THE GIVEN DIMENSIONS DO NOT SCALE THE DRAWING.
3. ALL WELDS ARE 6MM FILLET UNO.
4. WELD SIZE SHOULD NOT EXCEED THE THICKNESS OF PARENT MEMBER.
5. WELDING PROCEDURE & TECHNIQUES CONFORMS TO IS 816 & IS 9595.
6. ALL STEEL TUBES FOR STRUCTURAL PURPOSES ARE Yst 340 CONFORMING TO IS 1161.
7. FULL SCALE MARKING WILL BE DONE AT SITE BEFORE TAKING UP FRABRICATION.
8. ERECTION BOLT INDICATED THUS:
9. PERMANENT BOLT INDICATED THUS:
10. ALL BOLTS ARE 16 MM DIA UNLESS NOTED OTHERWISE.
11. GRADE OF BOLT = 4.6
12. GRADE OF STEEL PLATE = E410
13. ALL GUSSET PLATES ARE 10MM THK U.N.O
14. ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED BEFORE EXECUTION OF THE WORK.
15. PROVIDE, LENGTH OF WELD
    Lw = 196 mm, FOR (132 x 132 x 4.8 MEMBER)
    Lw = 298 mm, FOR (200 x 200 x 4.8 MEMBER)
16. **LENGTH OF COLUMNS MAY VARY AS PER SITE CONDITIONS.**

REV.	DATE	DESCRIPTION OF REVISIONS
R0	03/10/26	FOR INITIAL DRAFT SUBMISSION

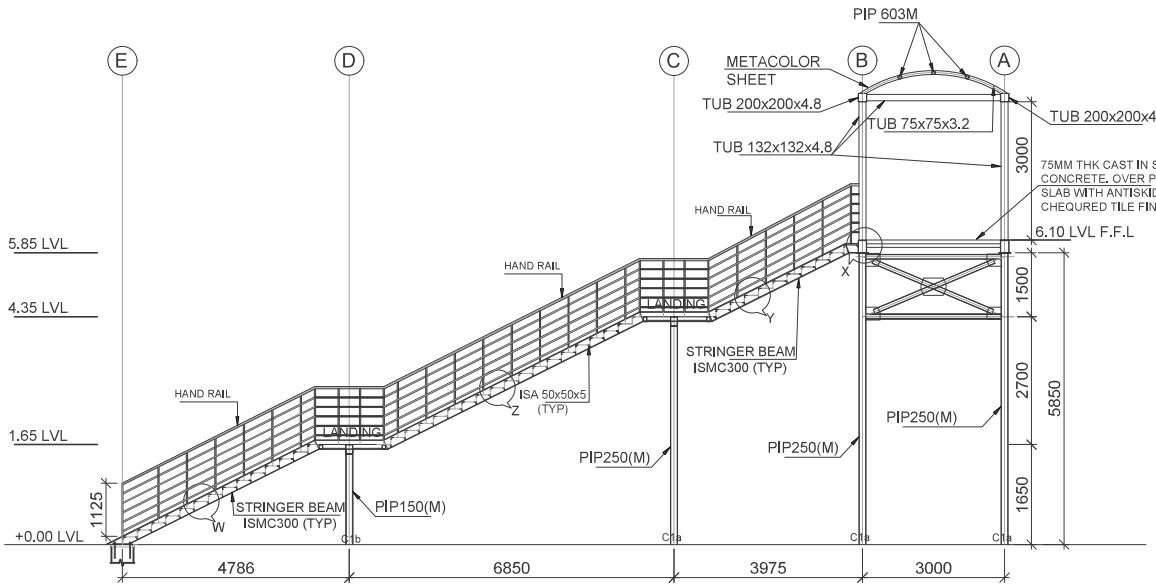
CLIENTS :
National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :
National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

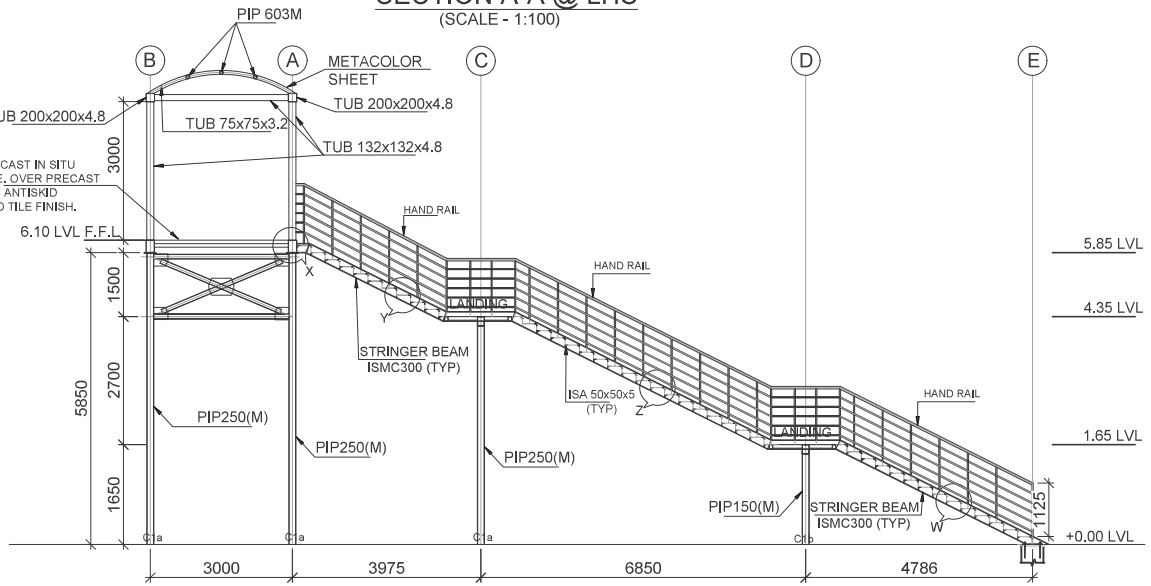
INDEPENDENT ENGINEER :
Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

DESIGN CONSULTANT:
Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

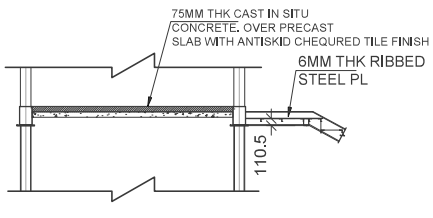
Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION	
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.	
Designed by:	SAHITHI				
Drawn by:	SHAFI / RAJESH		TITLE:	COLUMN FABRICATION DETAILS FOR FOB AT CH : 204+750	
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No.:	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-07	REV. R0 / SHEET 1 of 1



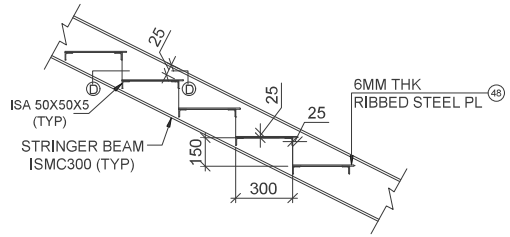
SECTION A-A @ LHS
(SCALE - 1:100)



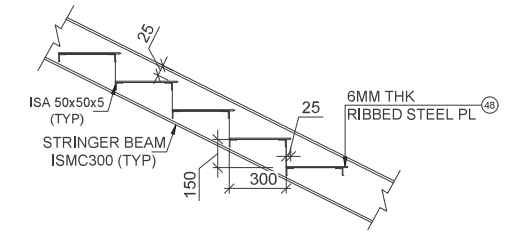
SECTION B-B @ RHS
(SCALE - 1:100)



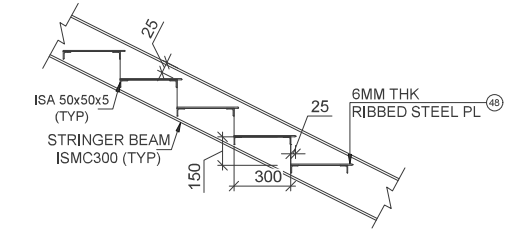
DETAIL-X



DETAIL-W RISER HEIGHT 150 MM



DETAIL-Y RISER HEIGHT 150 MM



DETAIL-Z RISER HEIGHT 150 MM

REV.	DATE	DESCRIPTION OF REVISIONS
R0	03/10/26	FOR INITIAL DRAFT SUBMISSION

CLIENTS :
National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :
National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

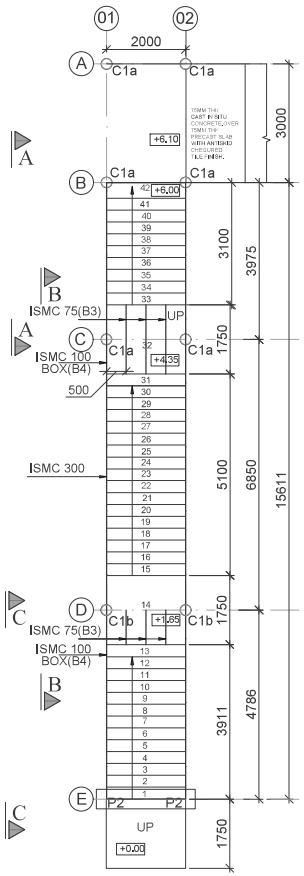
INDEPENDENT ENGINEER :
Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

DESIGN CONSULTANT:
Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad
Telangana – 500108, India

Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.
Designed by:	SAHITHI			
Drawn by:	SHAFI / RAJESH		TITLE:	STAIRCASE PLAN AND SECTION FOR FOB AT CH : 204+750
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No. :	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-08 — REV. R0 — SHEET 1 of 1

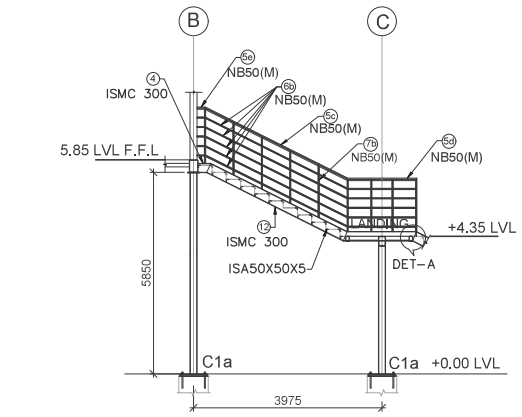
03/10/2026 - 8:36pm
PATH: C:\Users\ShafiullaTaredahal\OneDrive - Cube Highways Technologies Pvt Limited\Cubetech Data\CHTL\PROJECTS\MHPL\FOB\CHTL-NHAI-MHPL-FOB-CH.204+750-ST-08 to ST-09.dwg

Size: A2 594X420

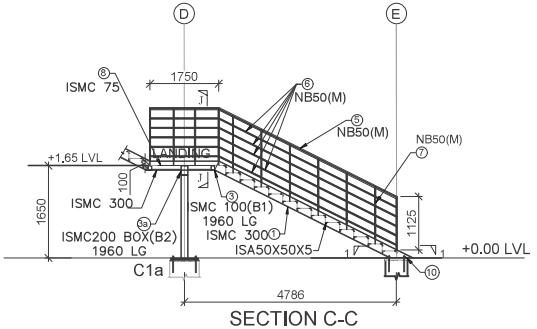


PLAN -STAIR CASE DETAIL

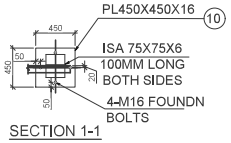
(SCALE - 1:90)



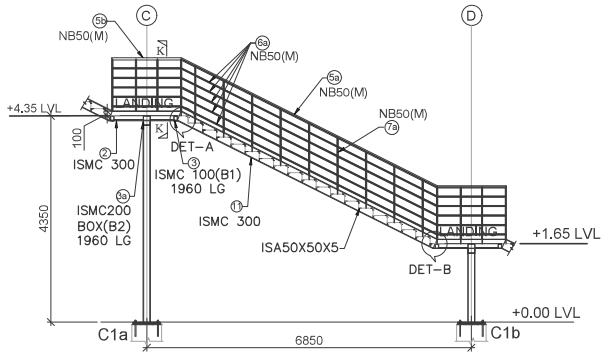
SECTION A-A



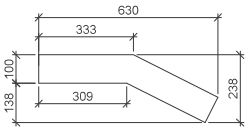
SECTION C-C



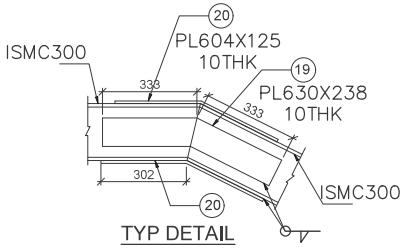
SECTION 1-1



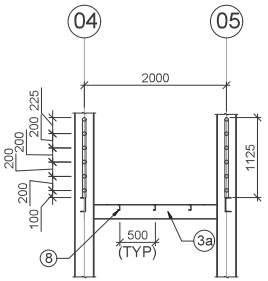
SECTION B-B



ITEM NO 19



TYP DETAIL
FOR ISMC300 STRINGER
CONNECTION



SECTION J-J
SECTION K-K

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. READ ONLY THE GIVEN DIMENSIONS DO NOT SCALE THE DRAWING.
3. ALL WELDS ARE 6MM FILLET UNO.
4. WELD SIZE SHOULD NOT EXCEED THE THICKNESS OF PARENT MEMBER.
5. WELDING PROCEDURE & TECHNIQUES CONFORMS TO IS 816 & IS 9595.
6. ALL STEEL TUBES FOR STRUCTURAL PURPOSES ARE Yst 340 CONFORMING TO IS 1161.
7. FULL SCALE MARKING WILL BE DONE AT SITE BEFORE TAKING UP FRABRICATION.
8. ERECTION BOLT INDICATED THUS:
9. PERMANENT BOLT INDICATED THUS:
10. ALL BOLTS ARE 16 MM DIA UNLESS NOTED OTHERWISE.
11. GRADE OF BOLT = 4.6
12. GRADE OF STEEL PLATE = E410
13. ALL GUSSET PLATES ARE 10MM THK U.N.O
14. ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED BEFORE EXECUTION OF THE WORK.

REV.	DATE	DESCRIPTION OF REVISIONS
R0	03/10/26	FOR INITIAL DRAFT SUBMISSION

CLIENTS :
National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :
National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

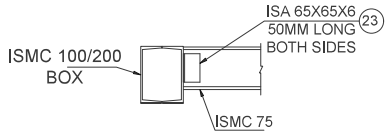
INDEPENDENT ENGINEER :
Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

DESIGN CONSULTANT:
Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

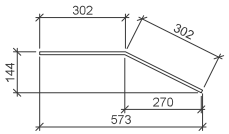
Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION	
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.	
Designed by:	SAHITHI				
Drawn by:	SHAFI / RAJESH		TITLE:	STAIRCASE SECTIONAL DETAILS FOR FOB AT CH : 204+750	
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No. :	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-09	REV. R0 / SHEET 1 of 2

03/10/2026 - 8:36pm
PATH: C:\Users\Shafiulla Taredahal\OneDrive - Cube Highways Technologies Pvt Limited\Cubetech Data\CHTL\PROJECTS\MHPL\FOB\CHTL-NHAI-MHPL-FOB-CH.204+750-ST-08 to ST-09.dwg

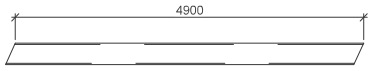
Size: A2 594X420



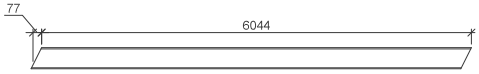
TYP DETAIL



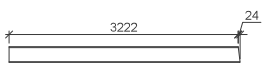
ITEM NO 20



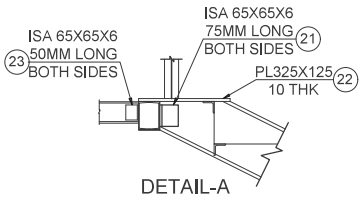
DET. OF ITEM-1
(2-NO REQD)



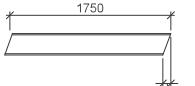
DET. OF ITEM-11
(2-NO REQD)



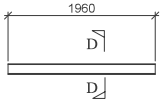
DET. OF ITEM-1a
(2-NO REQD)



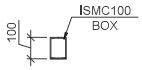
DETAIL-A
TYP DETAIL



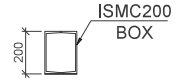
DET. OF ITEM-2
(6-NO REQD)



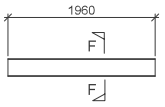
DET. OF ITEM-3
(6-NO REQD)



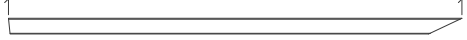
SECTION D-D



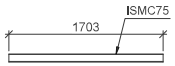
SECTION F-F



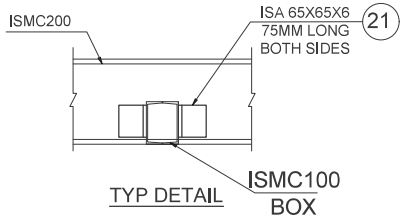
DET. OF ITEM-3a
(3-NO REQD)



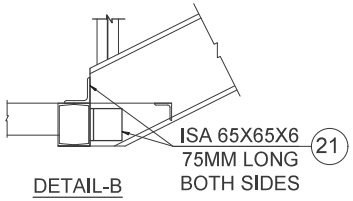
DET. OF ITEM-1b
(2-NO REQD)



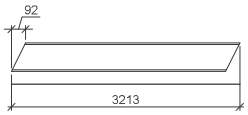
DET. OF ITEM-8
(6-NO REQD)



TYP DETAIL



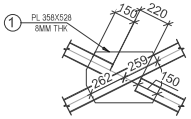
DETAIL-B



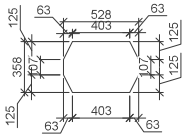
DET. OF ITEM-12
(2-NO REQD)



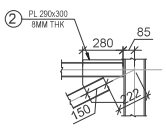
DET. OF ITEM-4
(4-NO REQD)



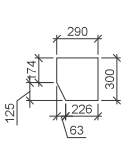
DETAIL-A



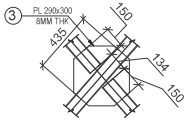
ITEM NO 1
(5 NO REQD)



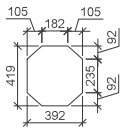
DETAIL-B



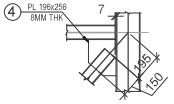
ITEM NO 2
(20 NO REQD)



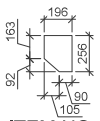
DETAIL-C



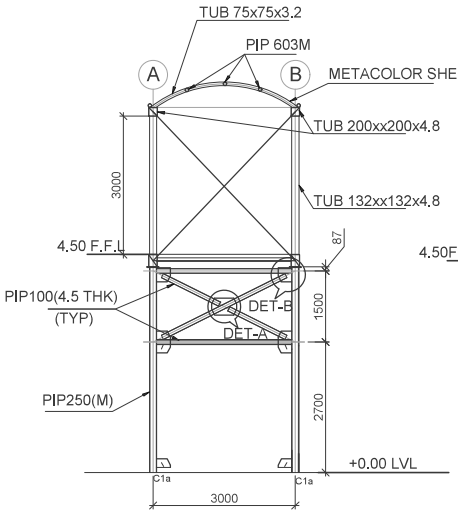
ITEM NO 3
(4 NO REQD)



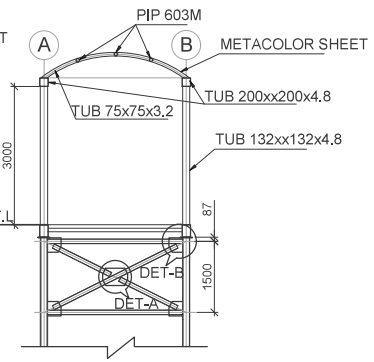
DETAIL-D



ITEM NO 4
(16 NO REQD)



VIEW ALONG GRID 1 & 2



VIEW ALONG GRID 3

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. READ ONLY THE GIVEN DIMENSIONS DO NOT SCALE THE DRAWING.
3. ALL WELDS ARE 6MM FILLET UNO.
4. WELD SIZE SHOULD NOT EXCEED THE THICKNESS OF PARENT MEMBER.
5. WELDING PROCEDURE & TECHNIQUES CONFORMS TO IS 816 & IS 9595.
6. ALL STEEL TUBES FOR STRUCTURAL PURPOSES ARE Yst 340 CONFORMING TO IS 1161.
7. FULL SCALE MARKING WILL BE DONE AT SITE BEFORE TAKING UP FRABRICATION.
8. ERECTION BOLT INDICATED THUS:
9. PERMANENT BOLT INDICATED THUS:
10. ALL BOLTS ARE 16 MM DIA UNLESS NOTED OTHERWISE.
11. GRADE OF BOLT = 4.6
12. GRADE OF STEEL PLATE = E410
13. ALL GUSSET PLATES ARE 10MM THK U.N.O
14. ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED BEFORE EXECUTION OF THE WORK.

REV.	DATE	DESCRIPTION OF REVISIONS
R0	03/10/26	FOR INITIAL DRAFT SUBMISSION

CLIENTS :
National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :
National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

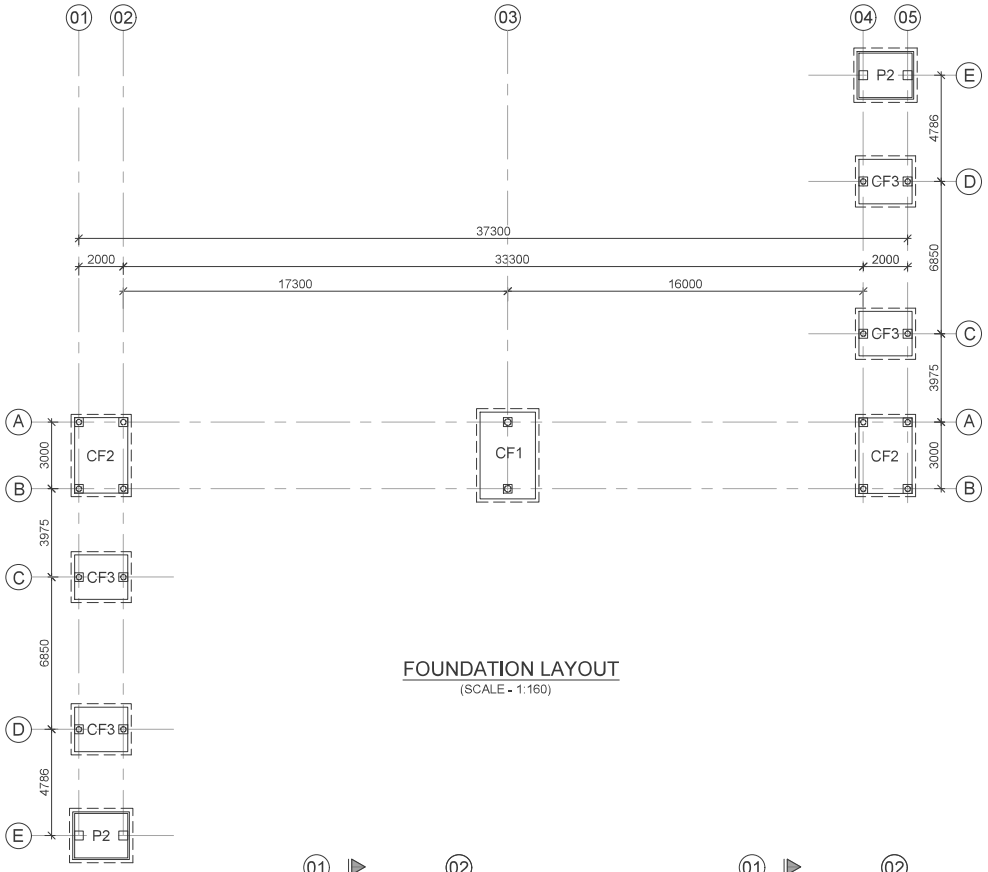
INDEPENDENT ENGINEER :
Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

DESIGN CONSULTANT:
Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

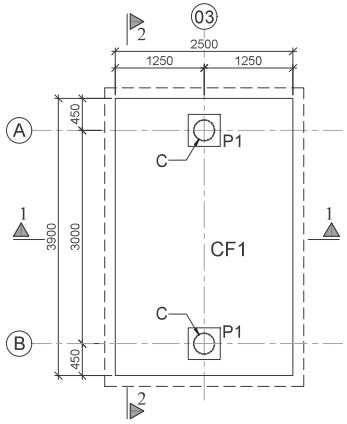
Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION	
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.	
Designed by:	SAHITHI				
Drawn by:	SHAFI / RAJESH		TITLE:	STAIRCASE SECTIONAL DETAILS FOR FOB AT CH : 204+750	
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No. :	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-09	REV. R0 / SHEET 2 of 2

03/10/2026 - 8:36pm
PATH: C:\Users\Shafiulla Taredahal\OneDrive - Cube Highways Technologies Pvt Limited\Cubetech Data\CHTL\PROJECTS\MHPL\FOB\CHTL-NHAI-MHPL-FOB-CH.204+750-ST-08 to ST-09.dwg

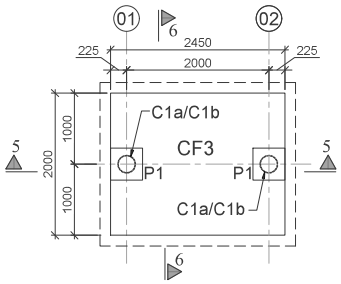
Size: A2 594X420



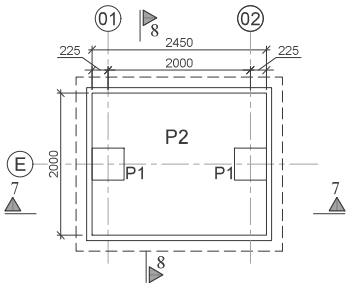
FOUNDATION LAYOUT
(SCALE - 1:160)



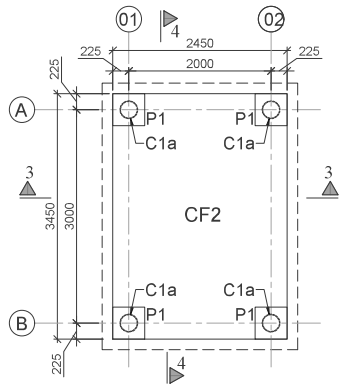
COMBIND FOOTING-CF1
(2500X3400X450)
(SCALE - 1:50)



COMBIND FOOTING-CF3
(2500X2000X450)
(SCALE - 1:50)



PEDASTAL-P2
(2500X2000X450)
(SCALE - 1:50)



COMBIND FOOTING-CF2
(2500X2900X450)
(SCALE - 1:50)

R0	03/10/26	FOR INITIAL DRAFT SUBMISSION
REV.	DATE	DESCRIPTION OF REVISIONS

CLIENTS :
National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :
National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

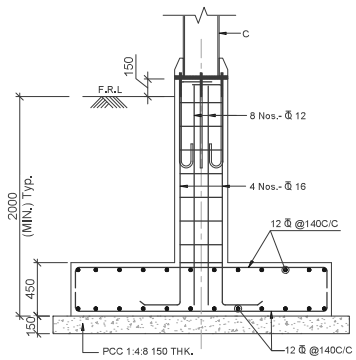
INDEPENDENT ENGINEER :
Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

DESIGN CONSULTANT:
Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

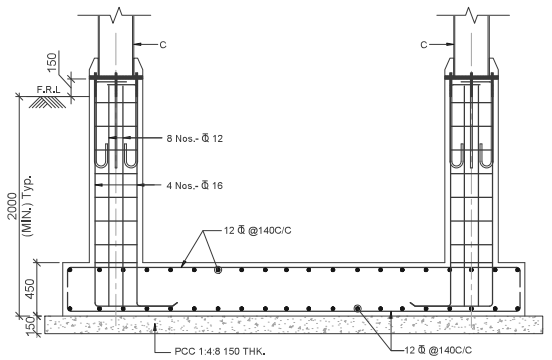
Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.
Designed by:	SAHITHI			
Drawn by:	SHAFI / RAJESH		TITLE:	FOUNDATION LAYOUT AND FOOTING DETAILS FOR FOB AT CH km: 204+750
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No. :	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-10 — REV. R0 — SHEET 1 of 2

03/10/2026 - 8:36pm
PATH: C:\Users\Shafiulla Taredahal\OneDrive - Cube Highways Technologies Pvt Limited\Cubetech Data\CHTL\PROJECTS\MHPL\FOB\CHTL-NHAI-MHPL-FOB-CH.204+750-ST-10.dwg

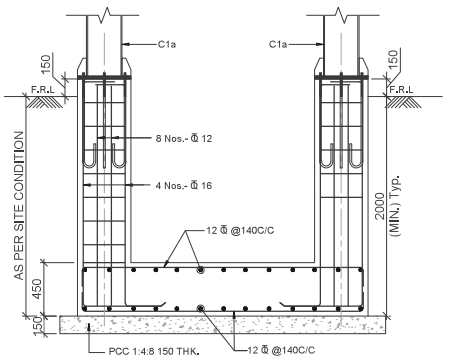
Size: A2 594X420



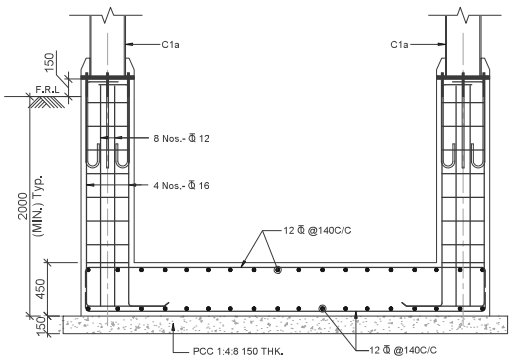
SECTION 1-1
(SCALE - 1:30)



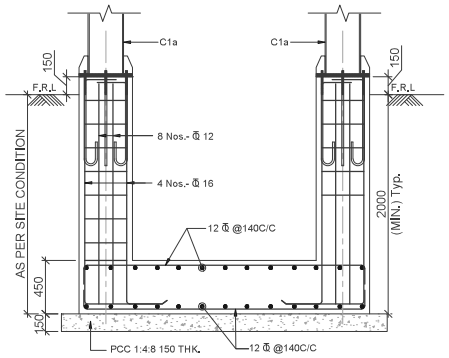
SECTION 2-2
(SCALE - 1:30)



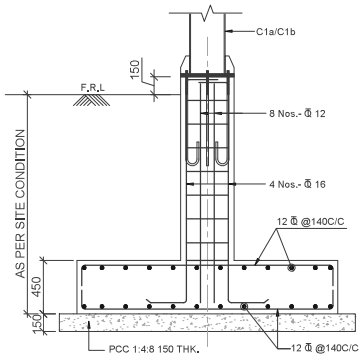
SECTION 3-3
(SCALE - 1:30)



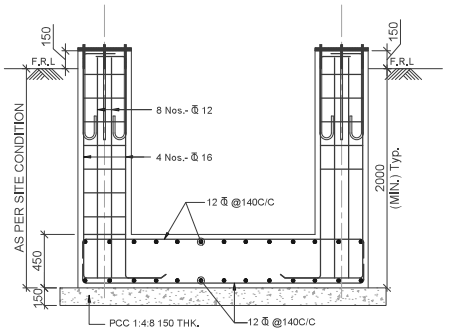
SECTION 4-4
(SCALE - 1:30)



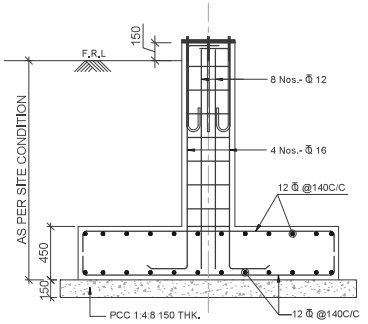
SECTION 5-5
(SCALE - 1:30)



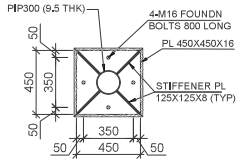
SECTION 6-6
(SCALE - 1:30)



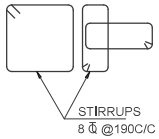
SECTION 7-7
(SCALE - 1:30)

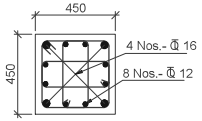


SECTION 8-8
(SCALE - 1:30)

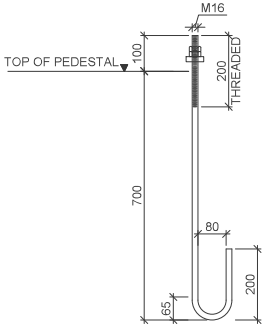


TYPICAL BASE PLATE DETAILS
FOR PEDESTAL P1 AND STRINGER BEAM
(SCALE - 1:25)





PEDESTAL
(P1 450X450)
(SCALE - 1:20)



ANCHOR BOLT DETAIL 16Ø TYP.

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METERS UNLESS SPECIFIED OTHERWISE.
2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NO DRAWING SHALL BE SCALED.
3. THIS DRAWING HAS TO BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
4. SBC OF SOIL ASSUMED TO BE 200 kN/M². THE SOIL IS TO BE CHECKED BEFORE LAYING PCC AND IF THE SOIL CONDITION IS DIFFERENT IT HAS TO BE BROUGHT TO THE NOTICE OF CONSULTANTS
5. USE M20 CONCRETE AND Fe415 GRADE OF STEEL FORFOOTING AND PLINTH BEAMS, AND M20 GRADE OF CONCRETE FOR COLUMN.
6. LAP LENGTH:
   i) TENSION LAP: 50 X D (D IS DIA OF BAR)
   ii) COMPRESSION LAP: 40 X D (D IS DIA OF BAR)
7. CLEAR COVER :
   i) COLUMN : 40mm
   ii) FOOTING : 50mm
8. GRADE OF BOLT = 4.6
9. GRADE OF STEEL PLATE = E410

REV.	DATE	DESCRIPTION OF REVISIONS
R0	03/10/26	FOR INITIAL DRAFT SUBMISSION

CLIENTS :
National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :
National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

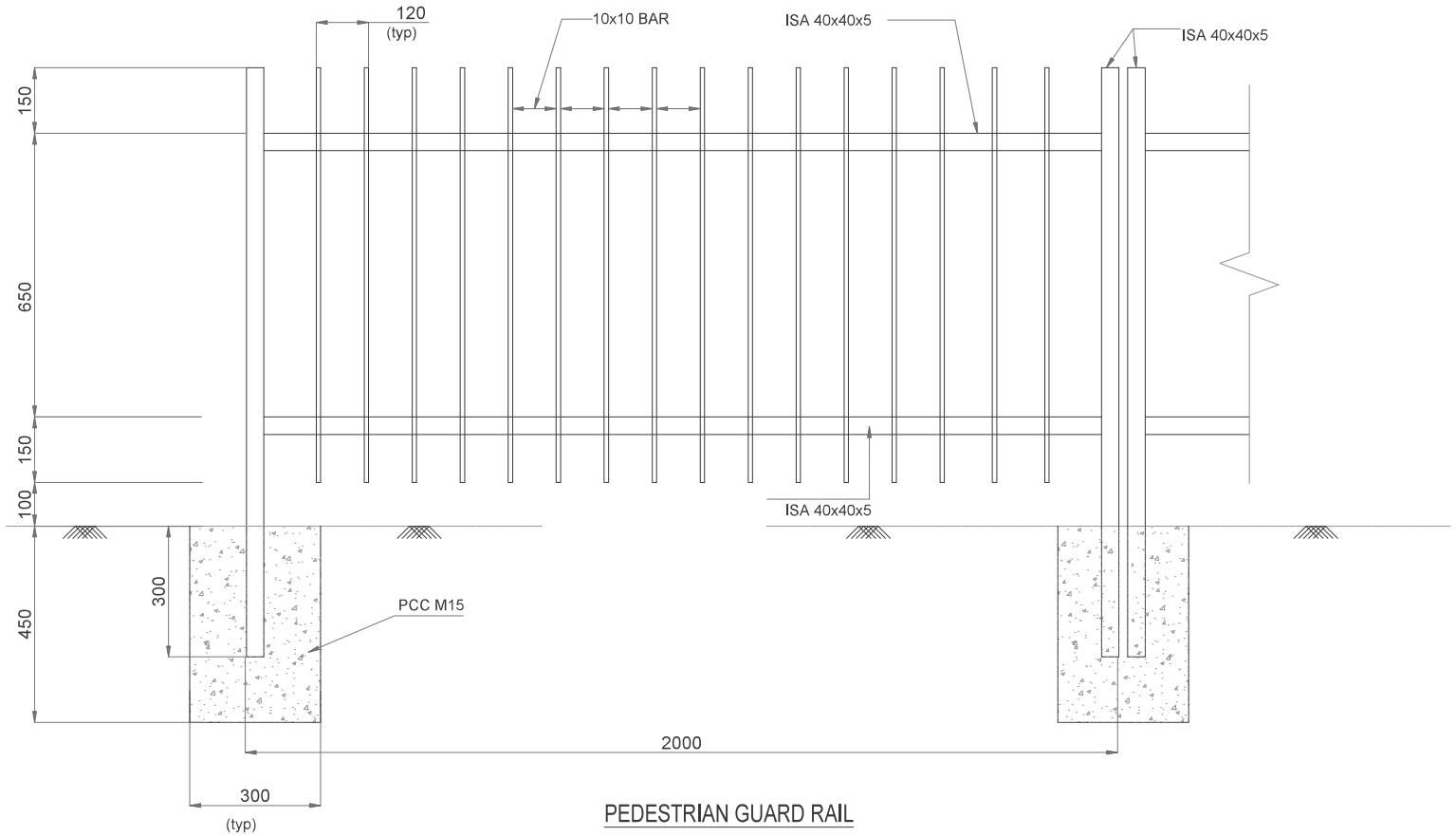
INDEPENDENT ENGINEER :
Chaitanya Projects Consultancy Limited
In Association with
Mahamarg Infra Consultants Pvt. Ltd

DESIGN CONSULTANT:
Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad Telangana – 500108, India

Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION	
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.	
Designed by:	SAHITHI				
Drawn by:	SHAFI / RAJESH		TITLE:	FOUNDATION LAYOUT AND FOOTING DETAILS FOR FOB AT CH km: 204+750	
Scale: N.T.S	Date:03-10-2026	Sheet size: A2	DRG No.:	CHTL/NHAI/MHPL/FOB/CH.204+750/ST-10	REV. R0 / SHEET 2 of 2

03/10/2026 - 8:36pm
PATH: C:\Users\Shafiulla Taredahal\OneDrive - Cube Highways Technologies Pvt Limited\Cubetech Data\CHTL\PROJECTS\MHPL\FOB\CHTL-NHAI-MHPL-FOB-CH.204+750-ST-10.dwg

Size: A2 594X420



PEDESTRIAN GUARD RAIL

REV.	DATE	DESCRIPTION OF REVISIONS
R0	05/10/26	FOR INITIAL DRAFT SUBMISSION

CLIENTS :

National Highways Authority of India
(Ministry of Road Transport & Highways)
Government of India

CONCESSIONAIRE :

National Highways Infra Trust

National Highways Authority of India
Unit 325, 3rd Floor, D21 Corporate Park, Sector 21, Dwarka, Dhulsiras, New Delhi, South West Delhi, Delhi, 110077, India

INDEPENDENT ENGINEER :

Chaitanya Projects Consultancy Limited

In Association with

Mahamarg Infra Consultants Pvt. Ltd

DESIGN CONSULTANT:

CUBETECH
Cube Highways Technologies Pvt. Ltd.

Cube Highways Technologies Pvt. Ltd.
3rd Floor, GMR Aero Towers – 2, Mamidipally Village, Rangareddy, Hyderabad
Telangana – 500108, India

Approved By:	ANANTH		STATUS:	FOR INITIAL DRAFT SUBMISSION	
Checked by:	SHARATH		PROJECT:	TOLLING, OPERATION & MAINTENANCE & TRANSFER OF MUZAFFARNAGAR-HARIDWAR FROM CH. 130+560 TO CH. 209+120 SECTION OF NH-334 (OLD NH-58) IN THE STATE OF UTTAR PRADESH & UTTARAKHAND.	
Designed by:	SAHITHI				
Drawn by:	SHAFI / RAJESH		TITLE:	DETAILS OF PEDESTRIAN GUARD RAIL	
Scale: N.T.S	Date:05-10-2026	Sheet size: A2	DRG No. :	CHTL/NHAI/MHPL/RW/ST-01	REV. R0 / SHEET 1 of 1

05/10/2026 - 9:11pm
PATH: C:\Users\Gugulothi Rajeshnaik\Downloads\Retaining wall with shear key.dwg

Size: A2 594X420