



इरकॉन इंटरनेशनल लिमिटेड

(भारत सरकार का उपक्रम)

नवरत्न कंपनी

IRCON INTERNATIONAL LIMITED

(A Govt. of India Undertaking)
NAVRATNA COMPANY



No. IRCON/3026/ MAHSR/T2/ Construction of TCB and SSO/1271

Dated: 31.12.2025

M/s JMJ Infra Projects

4th Floor, Flat No. 403, JJKB Tower-II,
Oriental Arcade Mahal, Akshya Patra Cross Road,
Jagatpura, Jaipur, Dist. Jaipur Rural, Rajasthan 302017
Email ID: rammec21@gmail.com

Sub: Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai Ahmedabad High Speed Rail (Package-MAHSR-T2): **Letter of Acceptance (LOA)** – reg.

Ref: i) e-Tender NIT No. IRCON/3026/MAHSR/T2/ Construction of TCB and SSO Dated: - 24.10.2025
ii) Bid Submitted through e-procurement mode dated 03.11.2025
iii) Technical Bid opened on 04.11.2025
iv) Financial Bid opened on 21.11.2025

Dear Sir,

We are pleased to inform that M/s IRCON International Limited has accepted your offer for the above subject work for a total amount of **Rs. 7,96,04,297 (Rupees Seven Crore Ninety Six Lakhs Four Thousand Two Hundred and Ninety Seven Only)** inclusive of GST @18% and other applicable taxes as per the Bill of Quantities enclosed as **Annexure-A**.

1. This letter of acceptance shall constitute a legal and binding contract between M/s Ircon International Limited and M/s JMJ Infra Projects till such time the contract agreement is signed. You shall enter into and execute the contract agreement within 28 days from the date of issue of this letter of acceptance at the office of undersigned. You are requested to arrange the stamp duty papers of requisite value as per the prevailing laws for signing of contract agreement in terms of clause 12.5 of General condition of contract.
2. **Performance Security:** You are requested to submit the performance security of Rs. 39,80,215/- (5% of Contract Value) as per clause 8.0 of General condition of contract, initially valid up to stipulated date of completion plus 60 days. The performance security shall be submitted within 21 days from the date of issue of Letter of Acceptance (LOA).

The Performance Security shall be submitted in BG form only as per the format enclosed as **Annexure -B** in favour of M/s IRCON INTERNATIONAL LIMITED by using Structural

"Engineering Excellence, Empowering Speed" MAHSR T-2"

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Financial Messaging System platform (SFMS) of the bank. The details required for BG Confirmation through SFMS platform is as under: -

a)	Name of the Bank & Branch Address of the M/s IRCON INTERNATIONAL LIMITED, MAHSR T2 Project, Surat.	Axis Bank Limited, Ground Floor, A "Status – CA", Near Regency Tower, Gaurav Path, Piplod, Surat – 395007
b)	IFSC Code of the Branch	UTIB0001772
c)	Email ID of the project	ircon.3026@ircon.org

3. **Scope of Work:** As per clause 5.0 of Special Conditions of Contract.
4. The Letter of acceptance shall also be treated as work order and no separate work order will be issued.
5. **Completion Period:** The work shall be commenced immediately on receipt of this letter and entire work shall be completed in all respect within 9 months in accordance with clause 10.0 of Special Conditions of Contract.
6. **Program of Work:** You are advised to submit program of work in accordance with clause 10.0 of Special Condition of Contract within 05 days from the date of issue of this LOA.
7. **Defect Liability Period:** The defect liability period shall be 12 months from the date of actual completion of works as per SCC Clause no. 22.
8. **Insurance:** You are requested to take insurance coverage as per para 27.0 of Special Conditions of Contract.
9. You are advised to register with Shramik Kalyan Portal and follow labour laws as per contract. The compliances information shall be submitted to the office of Chief General Manager on regular basis.
10. All the documents that are submitted/ exchanged during tender process have to be referred all time for clear understanding/ Interpretations of the contract conditions. Any deviation/ conditions quoted by you, except those specifically mentioned in this LOA, stands deleted.
11. All other terms and conditions contained in the e-tender having NIT No. IRCON/3026/MAHSR/T2/ Construction of TCB and SSO Dated: - 24.10.2025 shall form the integral part of the contract.
12. The LOA is issued in duplicate. You are requested to return a signed, stamped & acceptance copy of LOA as token of receipt and unconditional acceptance of this letter of Acceptance.
13. You may contact Mr. Rajesh M. R., GM/Civil, Surat @ Mob No. 7043074912 for planning & commencing the works at site.

Thanking you,

Yours faithfully,

For and on behalf of

IRCON International Limited

(Manish Gupta) 31.12.25

Chief General Manager/PH

Encl: - As Above

Copy for information to (by email only):-

- i. GM/Civil
- ii. AGM/Civil
- iii. JGM/Fin.
- iv. DGM/Civil-I

GSTIN for Gujarat: 24AAACI0684H1ZS

BILL OF QUANTITIES

SUMMARY

Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2).

S. No.	Item No.	Description	Estimated Amount inclusive of 18% GST	Quoted Percentage above/Below (inc. 18% GST)	Contract Value inclusive of 18% GST	Remarks
SCHEDULE-1 :WORKS OF TRACK CONSTRUCTION BASE (TCB)						
1	A	Schedule A (DSR 2023 Items)	₹ 6,13,09,871.00	-21.51	₹ 4,81,22,117.75	
2	B	Schedule B (DSR (E&M) 2022 & 2025 Vol-II Items)	₹ 5,00,000.00	-21.51	₹ 3,92,450.00	
3	C	Schedule C (Other than Scheduled items)	₹ 93,89,428.00	-21.51	₹ 73,69,762.04	
		Total of Schedule (A+B+C)	₹ 7,11,99,299.00		₹ 5,58,84,329.79	
SCHEDULE-2 :WORKS OF SUB-SITE OFFICE (SSO)						
4	D	Schedule D (DSR 2023 Items)	₹ 1,21,22,829.00	-21.51	₹ 95,15,208.48	
5	E	Schedule E (DSR (E&M) 2022 & 2025 Vol-II Items)	₹ 10,00,000.00	-21.51	₹ 7,84,900.00	
6	F	Schedule F (Other than Scheduled items)	₹ 10,89,855.00	-21.51	₹ 8,55,427.19	
		Total of Schedule (D+E+F)	₹ 1,42,12,684.00		₹ 1,11,55,535.67	
SCHEDULE-3 :WORKS OF PREFAB-STRUCTURE						
7	G	Schedule G (Other than Scheduled items)	₹ 1,08,32,400.00	-21.51	₹ 85,02,350.76	
		Total of Schedule-G	₹ 1,08,32,400.00		₹ 85,02,350.76	
SCHEDULE-4 :OTHER MISC.DEVELOPMENT WORKS						
8	H	Schedule H (DSR 2025 for Horticulture & Landscaping)	₹ 5,00,000.00	-21.51	₹ 3,92,450.00	
9	I	Schedule I (Other than Scheduled items)	₹ 46,75,285.00	-21.51	₹ 36,69,631.20	
		Total of Schedule-(H+I)	₹ 51,75,285.00		₹ 40,62,081.20	
		Total Value of Work with all applicable Taxes & GST	₹ 10,14,19,668.00		₹ 7,96,04,297.41	

BILL OF QUANTITIES

Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2).

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
SCHEDULE-1 :WORKS OF TRACK CONSTRUCTION BASE (TCB)						
Schedule A (DSR 2023 Items)						
A1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in charge. All kinds of soil	Cum.	1,147.00	₹ 177.50	₹ 2,03,593.00
A2	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil	Cum.	423.00	₹ 260.30	₹ 1,10,107.00
A3	2.25	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 for all lift.	Cum.	587.00	₹ 196.00	₹ 1,15,052.00
A4	2.27	Supplying and filling in plinth with sand or GSB (as approved by IRCON) under floors, including watering, ramming, consolidating and dressing complete.	Cum.	226.00	₹ 2,123.75	₹ 4,79,968.00
A5	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	22,500.00	₹ 17.60	₹ 3,96,000.00
A6	2.32	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared	Sqm	500.00	₹ 8.95	₹ 4,475.00
A7	4.1.2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) (M20 Grade PCC).	Cum.	239.00	₹ 8,340.85	₹ 19,93,463.00
A8.1	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources) (M15 Grade PCC)	Cum.	494.00	₹ 7,878.50	₹ 38,91,979.00
A8.2	4.1.3	Construction of M-15 grade design mix CC cast in situ drain of specified size as per approved drawings with proper finishing, curing at least for 7 days including excavation in all kinds of soil, consolidation and dressing, cost of electricity, other charges etc., all complete as per specification and direction of the Engineer-in-charge. Excavation and profiling will be paid separately as item no. A2	Cum.	35.00	₹ 7,878.50	₹ 2,75,748.00
A9	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for,				
A9.1	4.3.1	Foundations, footings, bases for columns	sqm	479.00	₹ 392.15	₹ 1,87,840.00
A9.2	4.3.2	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc	sqm	2,724.00	₹ 842.50	₹ 22,94,970.00
A9.3	4.3.3	Columns, piers, abutments, pillars, posts and struts	sqm	148.00	₹ 961.30	₹ 1,42,272.00

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
A10	4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 Coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	708.00	₹ 749.30	₹ 5,30,504.00
A11	5.1.2	Providing and laying in position specified grade of RCC, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level: 1:1.5:3(1 Cement : 1.5 coarse sand (zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources) (M20 grade RCC)	Cum	529.00	₹ 9,045.75	₹ 47,85,202.00
A12	5.9.1	Centering and shuttering including strutting, propping etc. and removal of form work for; Foundations, footings, bases of columns etc. for mass concrete	Sqm	216.00	₹ 392.15	₹ 84,704.00
A13	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	45,500.00	₹ 107.85	₹ 49,07,175.00
A14	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
A14.1	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum.	722.00	₹ 9,504.75	₹ 68,62,429.50
A14.2	5.33.1.2	Concrete of M30 grade with minimum cement content of 350 kg /cum	Cum.	23.00	₹ 9,655.70	₹ 2,22,081.00
A15	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	48.00	₹ 7,132.25	₹ 3,42,348.00
A16	6.13.2	Half Brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	30.00	₹ 1,123.80	₹ 33,714.00
A17	6.23	Honey-comb brick work 10 / 11.4 cm thick with common burnt clay bricks of class designation 7.5 in super structure above plinth level upto floor V level with cement mortar 1:4 (1 cement : 4 coarse sand) for Septic Tank	sqm	72.00	₹ 711.50	₹ 51,228.00
A18.1	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	2,700.00	₹ 117.35	₹ 3,16,845.00
A18.2	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. (for construction of Racks in store shed)-	kg	12,500.00	₹ 117.35	₹ 14,66,875.00
A19.1	10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete Hot finished welded type tubes (Store Shed, Parking Shed, Site Hut TSMF, Entrance Gate or any other work assigned by the Engineer)	kg	19,500.00	₹ 194.40	₹ 37,90,800.00

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
A19.2	10.16.1	Staircase from Ground to Viaduct	Kg	10,000.00	₹ 194.40	₹ 19,44,000.00
A20	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plate complete.	kg	700.00	₹ 97.20	₹ 68,040.00
A21	11.26	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	15.00	₹ 1,948.25	₹ 29,224.00
A22	11.37	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), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	50.00	₹ 1,096.55	₹ 54,828.00
A23	11.41.2	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), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600x600 mm	Sqm	242.00	₹ 1,553.45	₹ 3,75,935.00
A24	12.1.3	Providing corrugated G.S. sheet roofing including vertical / Curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to ant pitch in horizontal / vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 0.63 mm thick with zinc coating not less than 275 gm/m2	Sqm	500.00	₹ 1,087.65	₹ 5,43,825.00
A25	12.4.2	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete 0.63 mm thick with zinc coating not less than 275 gm/m²	meter	80.00	₹ 980.50	₹ 78,440.00
A26	12.41.2	Providing and fixing on wall/ground face unplasticised Rigid PVC 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	120.00	₹ 377.40	₹ 45,288.00
A27	12.5	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by engineer-in-charge) 0.50 mm (+0.05%) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyster top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportaion and should be supplied in single length upto 12 meter or as desired by engineer-in -charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5 x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	1,418.00	₹ 738.65	₹ 10,47,406.00
A28	13.1.2	12 mm cement plaster of mix 1:6 (1 cement: 6 fine sand)	sqm	190.00	₹ 333.35	₹ 63,337.00
A29	16.68	Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge	sqm	160.00	₹ 972.00	₹ 1,55,520.00

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
A30	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement : 3 coarse sand), including marking joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5 mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge)	cum	12.00	₹ 10,117.60	₹ 1,21,411.00
A31	16.78.2	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-II (size range 53 mm to 0.075 mm) having CBR Value-25	Cum	4,740.00	₹ 2,924.85	₹ 1,38,63,789.00
A32	16.79	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	cum	1,013.00	₹ 2,914.30	₹ 29,52,186.00
A33	17.2.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required; W.C. pan with ISI marked black solid plastic seat and lid	each	2.00	₹ 6,383.25	₹ 12,766.50
A34	17.4.2	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	each	2.00	₹ 9,612.40	₹ 19,225.00
A35	18.9	Providing & 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 :				
A35.1	18.9.3	25 mm nominal dia Pipes	meter	25.00	₹ 355.40	₹ 8,885.00
A35.2	18.9.4	32 mm nominal dia Pipes	meter	40.00	₹ 438.60	₹ 17,544.00
A35.3	18.9.6	50 mm nominal dia Pipes	meter	70.00	₹ 794.25	₹ 55,598.00
A36	18.15	Brass Fittings, Providing and fixing brass bib cock of approved quality :				
A36.1	18.15.1	15 mm nominal bore	each	1.00	₹ 353.25	₹ 353.00
A36.2	18.15.2	20 mm nominal bore	each	2.00	₹ 379.20	₹ 758.00
A37	18.16	Brass Fittings, Providing and fixing brass stop cock of approved quality :				
A37.1	18.16.1	15 mm nominal bore	each	1.00	₹ 353.25	₹ 353.00
A37.2	18.16.2	20 mm nominal bore	each	2.00	₹ 379.20	₹ 758.00
A38	18.17	Brass Fittings, Providing and fixing gun metal gate valve with C.I. wheel of approved quality (Screwed end):				

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
A38.1	18.17.2	32 mm nominal bore	each	2.00	₹ 689.60	₹ 1,379.00
A38.2	18.17.4	50 mm nominal bore	each	2.00	₹ 1,026.65	₹ 2,053.00
A39	18.18	Brass Fittings, Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete:				
A39.1	18.18.2	20 mm nominal bore	each	1.00	₹ 462.50	₹ 463.00
A39.2	18.18.3	25 mm nominal bore	each	1.00	₹ 464.05	₹ 464.00
A40	18.48A	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support i/c fittings & fixtures for tank shall be paid separately.	litre	1,000.00	₹ 11.00	₹ 11,000.00
A41	18.72	Providing and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329 :				
A41.1	18.72.4	250 mm dia Ductile Iron Class K-7 pipes	meter	24.00	₹ 2,880.70	₹ 69,137.00
A41.2	18.72.5	300 mm dia Ductile Iron Class K-7 pipes	meter	24.00	₹ 3,518.25	₹ 84,438.00
A42	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
A42.1	19.6.1	100 mm dia. R.C.C. pipe	meter	120.00	₹ 507.05	₹ 60,846.00
A42.2	19.6.2	150 mm dia. R.C.C. pipe	meter	70.00	₹ 556.45	₹ 38,952.00
A43	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	8.00	₹ 12,770.55	₹ 1,02,164.00
A44	19.32.1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1.00	₹ 26,861.90	₹ 26,862.00
A45	19.35	Providing and laying non-pressure NP3 class (Medium duty) R.C.C. pipes with collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
A45.1	19.35.1	450 mm dia. R.C.C. pipes	meter	70.00	₹ 2,676.55	₹ 1,87,359.00
A45.2	19.35.2	600 mm dia. R.C.C. pipes	meter	120.00	₹ 3,401.25	₹ 4,08,150.00
A45.3	19.35.3	900 mm dia. R.C.C. pipes	meter	70.00	₹ 5,377.25	₹ 3,76,408.00

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
A46	23.1.1.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level. All types of soil - 300mm dia	metre	45.00	₹ 707.75	₹ 31,849.00
A47	23.3.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge. 200 mm nominal size dia	metre	33.00	₹ 1,113.35	₹ 36,741.00
A48	23.4.3	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge. 200 mm nominal size dia	metre	12.00	₹ 1,255.70	₹ 15,068.00
A49	23.8	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	cum	5.00	₹ 2,024.50	₹ 10,123.00
A50	26.80.1	Providing & Grouting of dowel tubes / shear keys / Joints of precast members with M-60 grade cementitious grout (Non shrink) of approved make by suitable means (free flowing /pump), curing etc. Complete as per directions of Engineer-in-charge. (The payment shall be made on the basis of actual weight of approved grout injected.) Stirrer mixed cementitious grout (non shrink) of approved make in dowel tubes / shear keys / Joints of precast members.	kg	200.00	₹ 85.05	₹ 17,010.00
A51	13.48.2	Painting Steel work with Deluxe Multi surface paint to give an even shade Two or more coat applied @0.90 Ltr/10 Sqm over an undercoat of primer @ 0.75 Ltr per 10 Sqm of approved brand & manufacture over Tubular & Flat Steel structure in Stairs each located at TCB's as directed by the Engineer-in-charge with all contractor's men, machineries including all lead & lifts, etc., as a complete Job.	Sqm	670.00	₹ 176.25	₹ 1,18,088.00
A52	15.2	Demolishing Cement concrete work manually / by mechanical means including disposal of material within 50 m lead as per directions of Engineer-in-charge.				
A52.1	15.2.1	Nominal concrete 1:3:6 or richer mix	Cum	200.00	₹ 2,434.25	₹ 4,86,850.00
A53	15.3	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per directions of Engineer-in-charge.	Cum	500.00	₹ 3,551.25	₹ 17,75,625.00
	All Codes	Any other item of works other than the above items, but required to be executed for successful completion of the works as deemed necessary by the engineer-in-charge as per delhi schedule of rates, 2023	Lump Sum	As per DSR-23	As per DSR-23	₹ 25,00,000.00
Schedule A Total Amount with all applicable taxes						₹ 6,13,09,871.00
Quoted Percentage Above/Below						-21.51
Net Total Amount for Schedule A with all applicable Taxes						₹ 4,81,22,117.75

Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2).

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
	Schedule B [DSR (E&M) 2022 & 2025 Vol-II Items]					
B	As per DSR-2022 & 2025(Vol-II)	Any Item of electrical works (internal or external) Other than the items given above, but required to be executed for successful completion of the work as deemed necessary by the Engineer - in - charge will be as per Delhi Schedule of Rates (E&M), 2022 & 2025(Vol-II)	As per DSR-2022 & 2025(Vol-II)	Lumpsum	As per DSR-2022 & 2025(Vol-II)	₹ 5,00,000.00
	Schedule B Total Amount with all applicable taxes					₹ 5,00,000.00
	Quoted Percentage Above/Below					-21.51
	Net Total Amount for Schedule B with all applicable Taxes					₹ 3,92,450.00



Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2).

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
Schedule C (Other than Schedule Items)						
C1	OS-1	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete. (Bolts, Plates, Washers & Nuts will be provided by the IRCON) (Payment is based on Nos. of Columns, each column has 4 anchor bolts and 1 base plate)	Nos.	24.00	₹ 1,017.00	₹ 24,408.00
C2	OS-2	"Providing 1.8 m high fencing with 2.1m R.C.C Post placed 3m apart, embedded in cement concrete M5 (1:5:10 or higher), every 15th post and corner post shall be struted on both sides, end post one side only, and struts embedded in cement concrete, provided with hot dipped galvanized chain link fencing (using 260 GSM heavy zinc coated G.I. wire) as per IS 2721 with mess size 40±4mm, Nominal diameter of Mesh Wire 3.15mm, Line wire diameter 4.00mm, Number of line wire is 2 No. one at top and one at bottom, with both end knuckled type and fixed with G.I. staples on turn buckles or binding wire tied to 6 mm bar ribs fixed while casting the post. Vertical Posts & Struts shall be of RCC M15 Concrete. The rate includes the cost of all materials, lead, lifts, ascend, descend, mixing, loading, transportation, unloading, taxes, royalty, etc in complete."	Meter	475.00	₹ 755.20	₹ 3,58,720.00
C3	OS-3	Supplying and installation of Kirloskar/Crompton/ Havells (or equivalent) make, as approved by IRCON, electric motor driven single phase borewell submersible pump set, MOC: Casing FG 260, Impeller : BRONZE & SHAFT : SS 410 category- 1.5, 180 mt. Head & 90 LPM discharge, 2 HP power.	Each bore	1.00	₹ 15,000.00	₹ 15,000.00
C4	OS-4	Supplying and installation of Control pannel board - DOL/ star Delta starter suitable for local & remote pump control application consisiting of MPCB, overload relay and contractors as per Type II coordination including digital voltmeter, analogue ammeter with selector switch, run hour meter, required relays & control accesories: DOL up to 2 HP	Each bore	1.00	₹ 5,000.00	₹ 5,000.00
C5	OS-5	Carrying out hydrogeological survey to locate ground water using scientific methods and appropriate equipment.	Each bore	1.00	₹ 5,000.00	₹ 5,000.00
C6	OS-6	Providing Laying and lowering a RCC SEPTIC TANK of Diameter 4 Feet and Length 8 Feet consist of 3 chambers 2 manholes inlet & outlet, Cylindrical in shape (Rate is inclusive of transporation at site, Excavation is paid seperately)	Each	1.00	₹ 21,240.00	₹ 21,240.00
C7	OS-7	Supply, Installation, Testing and commissioning of floor standing outdoor type Main Low Voltage panel including automatic power factor correction arrangement for suitable for operation on 433V 3 Phase, 50Hz supply, made of metal enclosure of 2.0/1.6 mm thick CRCA sheet duly powder coated construction with standard copper bus bar : Incomer: 200A, 4P, 35kA with Thermal Magnetic Release MCCB with MFM/Suitable CTs/Phase/On/Off LED Indication Lamps. Outgoing: 125A, 4P Automatic Changeover switch 63A, 4P MCB - 4 Nos. 63A, 4P MCB - 1 No (Spare but charged) 63A Street Light Feeder with Contactor and Timer - 1 Nos. 25 kVAr APFC Feeder - 1 Nos. Panel shall be compartmentalised for incoming and outgoing circuits. Necessary arrangement be made for termination of incoming cable and outgoing cables from bottom. Cable alleys shall be used to route incoming and outgoing cables as required. Manufacturer General arrangement and schematic drawings to be submitted to IRCON for approval before taking up the manufacturing by the contractor. (For Site Huts at TCBs)	Nos	1.00	₹ 3,00,000.00	₹ 3,00,000.00
C8	OS-8	Supply of 1.1kV grade , XLPE insulated, conductor, Heavy Duty , Armoured cables of following ratings as per technical specifications as per IS 7098 Part II				
C8.1	OS-8.1	3.5C x 95sqmm (Aluminium) Armoured	Mtr.	400.00	₹ 515.00	₹ 2,06,000.00

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
C8.2	OS-8.2	3.5C x 50sqmm (Aluminium) Armoured	Mtr.	125.00	₹ 336.30	₹ 42,038.00
C8.3	OS-8.3	4C x 16sqmm (Aluminium) Armoured	Mtr.	450.00	₹ 260.00	₹ 1,17,000.00
C8.4	OS-8.4	4C x 10sqmm (Aluminium) Armoured	Mtr.	100.00	₹ 180.00	₹ 18,000.00
C8.5	OS-8.5	2C x 2.5 sqmm (Copper) Flexible Service Wire	Mtr.	750.00	₹ 100.00	₹ 75,000.00
C8.6	OS-8.6	3.5C x 35 sqmm (Aluminium) Armoured for DG Set	Mtr.	30.00	₹ 400.00	₹ 12,000.00
C8.7	OS-8.7	Termination of all Cables in DB and Panel side	Lot	18.00	₹ 6,500.00	₹ 1,17,000.00
C9	OS-9	Laying of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering				
C9.1	OS-9.1	Upto & including 35 sq. mm	Mtr.	750.00	₹ 140.00	₹ 1,05,000.00
C9.2	OS-9.2	Above 35 sq. mm and upto 95 sq. mm	Mtr.	175.00	₹ 170.00	₹ 29,750.00
C10.1	OS-10.1	Supply, erection of G.I Octagonal pole as per BS EN 40-3- 1&3 including digging of pit, making suitable foundation with cement, sand & aggregate in ratio 1:2:4, muffing, accomodating foundation for cable loop-in-loop out of suitable size as required. 9.0 Meter Pole.	Nos	7.00	₹ 26,000.00	₹ 1,82,000.00
C10.2	OS-10.2	Supply, Erection and Fixing of hot dipped galvanised Overhang (60 X 3.25 mm) with cap (250 x 137.9 x 4.05 mm) over the existing poles Single arm overhang (Suitable For 1 LED)	Nos	7.00	₹ 1,800.00	₹ 12,600.00
C10.3	OS-10.3	Supply & Fixing of IP-66 protected high power 150 WATT LED flood light system with extruded aluminium housing , toughened glass diffuser with suitable lenses on LED to achieve various beam angles, 240 volt, 50Hz, of high power LED lamps supplied with pre wired cable of 1 mtr. Integrated driver shall be high efficiency having efficiency more than 85 % and in compliance to IEC standards. System life of 50000 burning hours with 70 % of initial lumen be maintained. Fixtures shall be CE compliance.	Nos	22.00	₹ 13,000.00	₹ 2,86,000.00
C11	OS-11	Providing earthing pit as CPWD specification with 3.0m 50mm dia Electrode with outer part of Copper Pipe, alongwith earthing compound backfill as required to achieve earth resistance values as per specifications.Complete with Earth Pit & Pit cover.	Nos	8.00	₹ 5,000.00	₹ 40,000.00
C12	OS-12	Supply, spreading, grading, compacting etc. SUBGRADE (SQ2) layer on the top of embankment in formation, road etc. with contractors own material, labour, machinery etc. The rate includes cost of all materials, lead, lift, ascend, descend, mixing, loading, transportation, unloading, compacting, taxes, royalty etc. complete.	Cum	2,500.00	₹ 900.48	₹ 22,51,200.00
C13	OS-13	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 gms per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyster top coat 15-18 microns using self drilling/ self tapping screws complete.				
C13.1	OS-13.1	Ridges plain (500 - 600 mm)	Mtr.	178.00	₹ 491.24	₹ 87,441.00
C13.2	OS-13.2	Gutter (600 mm over all girth)	Mtr.	105.00	₹ 1,229.26	₹ 1,29,072.00
C14	OS-14	Providing and fixing UV stablized fibreglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8 mm dia. G.I. plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stablizer in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2 mm thick flat	sqm	800.00	₹ 1,179.23	₹ 9,43,384.00
C15	OS-15	Supply and laying vegetative Turfing from approved source including surface preparation, soiling, pegging, maintenance for the whole contract duration etc. all in complete at all cut slopes, fill slopes and other locations as shown in the drawing or as directed by engineer in charge.	sqm	300.00	₹ 45.53	₹ 13,659.00

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
C16	OS-16	Fabrication, transportation, supply and installation of prefabricated office of G.I Sheet container at TCB's of size 20' X 10' internal partitions, painting, electrification, supply and fixing of office furniture/fixtures/fittings, work station, overhead storage as per the technical specifications with connecting (i) Electricity (ii) Sewage pipe (iii) water supply pipe from existing facilities in respective TCB to container cabin	No.	2.00	₹ 3,98,250.00	₹ 7,96,500.00
C17.1	OS-17.1	Manufacture, Supply and delivery of U-Precast RCC drains 450x450 (mm). Drains should be strong enough to permit heavy vehicle movements. The design and method statement to be submitted for approval of the Engineer before production of the drains.	Meter	100.00	₹ 2,768.88	₹ 2,76,888.00
C17.2	OS-17.2	Manufacture, Supply and delivery of U-Precast RCC drains 600x600 (mm). Drains should be strong enough to permit heavy vehicle movements. The design and method statement to be submitted for approval of the Engineer before production of the drains.	Meter	100.00	₹ 3,054.37	₹ 3,05,437.00
C18	OS- 18	Providing and installation of U-Precast drains of approved size as per drawing with proper line & level including backfilling with approved quality material, consolidation and dressing, sealing of joints, cost of water, electricity, other charges etc., complete as per specification and direction of Engineer-in-charge. The drain shall be (Precast drain supply, excavation and concrete will be paid separately) Size: upto 600 mm clear width	meter	200.00	₹ 453.79	₹ 90,758.00
C19	OS- 19	Supply of PU Shaped Drain Covers Size 730x500x80mm including Loading and Transportation to site. Drain covers should be strong enough to permit heavy vehicle movements. The design and method statement to be submitted for approval of the Engineer before production of the drain covers.	Meter	200.00	₹ 1,888.00	₹ 3,77,600.00
C20	OS- 20	Installation of precast drain cover of approved size as per drawing with proper line & level including shifting of precast drain cover from casting location to drain site with all leads. Work shall be carried out with all contractor's men, materials, tools, lead & lift etc. including bringing these to site of work, making approach road to drain & crossing of tracks wherever necessary, complete and as directed by Engineer-in-charge.	Meter	200.00	₹ 337.37	₹ 67,473.00
C21	OS- 21	Providing and laying 300 mm thick (average) Dry Stone flooring with boulders of not less than 35 kg each in weight, hand packed with surface levelled off to the correct section with hammer dressing as necessary on the ground including filling the gaps with quarry spalls and ordinary sand complete including cost of supply of all materials, labour, lead, lift, tools, plants, crossing of tracks and the like as per drawing and technical specification as directed by Engineer in charge.	Cum	660.00	₹ 2,153.77	₹ 14,21,490.00
C22.1	OS- 22.1	Supply, Erection, Testing & Commissioning of High Rise Mast lighting system (as per CP3-TRT/1996 of ILE, UK) consisting of totally hot dip galvanised by single dipped method high mast, lantern carriage suitable for up to 12 nos. luminaries, Mast head assembly, two nos aviation obstruction neon lights. Double drum type self sustaining winch, Integral Power tool (winch motor with control circuit) hot dipped galvanised heavy duty pipe lightening final, suitable ropes and construction of suitable shallow foundation of M-20 grade complete as required. The mast is constructed from mildsteel plates (as per BS-EN 10025) cut and folded to form a polygonal section, telescopic jointed and welding as per BS 5135. The complete work shall be supervised and certified by the manufacturers from satisfactory supply, erection, testing and commissioning of high mast with all accessories, which also includes internal electrical cabling and panel with construction of foundation, erection, testing & commissioning excluding luminaries and lamps 20 mtrs (in 2 section of 3 mm & 4 mm thick). Including supply of foundation bolts manufactured from special steel along with nuts, washers, anchor plate and templates etc.	Nos.	1.00	₹ 3,21,550.00	₹ 3,21,550.00
C22.2	OS- 22.2	Supply and laying of aviation obstruction lights luminaire comprising of yellow painted die cast aluminium alloy housing, built in 75/VA step up transformer, heat resistant clear glass cover, neon spiral lamp complete in all respect	Nos.	1.00	₹ 4,580.45	₹ 4,580.00

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
c22.3	OS- 22.3	Supply & fixing of feeder pillar box size 400x600x250 made of 2/1.6 mm CRCA MS sheet of 415 volts 3 phase 4 wire triple pole and neutral type, with 40 Amp TPN MCB incomer, Astronomical timer switch, Disconnect (Isolator), 25 Amp TP Connectors, Provision of incoming & outgoing of 3.5 C X 35 sqmm CU Cable, complete in all respect as required for main interconnection, MS angle frame made of 50x50x6 mm grouted with CC of M-20 grade to achieve the min height of 2 feet above the road level suitable for incoming and outgoing cables for High Mast as per instruction of Engineer of incharge and as a complete job.	Nos.	1.00	₹ 21,240.00	₹ 21,240.00
c22.4	OS- 22.4	Supply & fixing of IP-66 protected high power 300 WATT LED Flood light system with extruded aluminium housing, toughened glass diffuser with suitable lenses on LED to achieve various beam angles, 240 volt, 50 Hz, of high power LED lamps supplied with pre wired cable of 1 mtr. Integrated driver shall be high efficiency more than 85% and in compliance to IEC standards. System life of 50000 burning hours with 70 % of initial lumen be maintained. Fixtures shall be CE compliance.	Nos.	12.00	₹ 11,800.00	₹ 1,41,600.00
C23	OS- 23	Exploratory drilling of boreholes down to required depth; drilling of 150mm diameter boreholes in all type of soils except hard rock and large boulders (boulder core more than 30cm) including refilling, reinstating surface and disposing off surplus material including use of mechanical rigs with power operated winches as well as percussion/chiselling tool for advancing through occasional seams of hard strata to be employed, where necessary, including conducting Standard penetration test at every 1.5m interval, collection of disturbed and undisturbed sample at every 1.5m, delivery of sample to the testing of laboratory. Boring shall be carried out up to 30m depth in general or refusal (N>100) whichever is met earlier.				
c23.1	OS- 23.1	0 m to 10 m	Meter	18.00	₹ 700.00	₹ 12,600.00
c23.2	OS- 23.2	Taking out 100mm dia. & 450mm long undisturbed samples of soil from bore holes, including provision of air tight containers for packing and labelling incl. transporting the samples to laboratory. Piston sampler shall be used for extracting undisturbed samples where necessary. Samples shall be collected as per IS:2720.	Each	6.00	₹ 450.00	₹ 2,700.00
c23.3	OS- 23.3	Taking out 100mm dia. & 450mm long disturbed samples of soil from bore holes, including provision of air tight containers for packing, labelling and transporting the samples to laboratory. Samples shall be collected as per IS:2720.	Each	2.00	₹ 150.00	₹ 300.00
c23.4	OS- 23.4	Conducting standard penetration test as per IS:2131 at approximate 1.5m intervals in bore holes, as directed by the Engineer in charge	Each	18.00	₹ 250.00	₹ 4,500.00
		Conducting laboratory Tests on collected soil samples as per relevant IS codes				
c23.5	OS- 23.5	Moisture Contents, Dry Density, Bulk density	Each	6.00	₹ 250.00	₹ 1,500.00
c23.6	OS- 23.6	Atterberg Limit and soil classification	Each	26.00	₹ 250.00	₹ 6,500.00
c23.7	OS- 23.7	Specific Gravity	Each	20.00	₹ 150.00	₹ 3,000.00
c23.8	OS- 23.8	Grain size analysis including Hydrometer analysis	Each	26.00	₹ 500.00	₹ 13,000.00
c23.9	OS- 23.9	Direct Shear Test	Each	4.00	₹ 450.00	₹ 1,800.00
c23.10	OS- 23.10	Natural Density	Each	6.00	₹ 150.00	₹ 900.00
c23.11	OS- 23.11	Consolidation Test	Each	2.00	₹ 1,000.00	₹ 2,000.00

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
C23.12	OS- 23.12	Unconfined compression test	Each	2.00	₹ 350.00	₹ 700.00
C23.13	OS- 23.13	Tri-axial Test (UU)	Nos	4.00	₹ 800.00	₹ 3,200.00
		Conducting laboratory Tests on collected soil samples as per relevant IS codes				
C23.14	OS- 23.14	Free Swell Index	Each	6.00	₹ 100.00	₹ 600.00
C23.15	OS- 23.15	Shrinkage Limit Test	Each	6.00	₹ 250.00	₹ 1,500.00
C23.16	OS- 23.16	Conducting chemical analysis of ground water samples to determine suitability for concreting and aggressiveness in relation to attack on concrete / reinforcement including determination of pH value, Sulphate, chloride and other organic matters	Each	2.00	₹ 800.00	₹ 1,600.00
C23.17	OS- 23.17	Conducting chemical analysis of soil samples to determine aggressiveness in relation to attack on concrete /reinforcement including determination of pH value,Sulphate, chloride and other organic matters	Each	2.00	₹ 800.00	₹ 1,600.00
C23.18	OS- 23.18	Preparation and submission of Final report in 3 sets with photographs and in 3 sets CDs giving complete and comprehensive record of investigations, laboratory test reports and calculations and type of foundation(detail calculation of Pile load capacity) in approved format as per standard engineering practice	Lump sum	1.00	₹ 5,000.00	₹ 5,000.00
C23.19	OS- 23.19	Mobilisation and demobilisation of Drilling Machine up to site and within the site.	Lump sum	2.00	₹ 20,000.00	₹ 40,000.00
C24	OS-24	Providing and installation of Safety nets all around the Stairs of standard size 10m x 5m with following requirements:1.Border & TieCord Rope:- 12mm 2. InsideRope/Mesh Rope:- 4mm 3.Mesh size# 25mmX25mm 4. Fabricating# Heat treated machinemade knotting made By P.P.Rope IS 5175:1992 With T.C. 5.Tie cords 10 metre long at four corners and 1 metre long at every 5 metre 6. Knitting: must be effective for Shock Absorption 7.Feature : it should have Longevity, Optimum durability and should comply with IS 11057-1984 and technical specification as directed by Engineer in charge.	Sqft	5400.00	₹ 12.00	₹ 64,800.00
		Schedule C Total Amount with all applicable taxes				₹ 93,89,428.00
		Quoted Percentage Above/Below				-21.51
		Net Total Amount for Schedule C with all applicable Taxes				₹ 73,69,762.04

Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2).

SN	Item No.	Description	Unit	Quantity (SSO)	Rate inclusive of 18% GST	Amount inclusive of 18% GST
SCHEDULE-2 :WORKS OF SUB-SITE OFFICES (SSO)						
Schedule D (DSR 2023 Items)						
D1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in charge. All kinds of soil	Cum.	321.00	₹ 177.50	₹ 56,978.00
D2	2.25	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 for all lift.	Cum.	344.00	₹ 196.00	₹ 67,424.00
D3	2.27	Supplying and filling in plinth with sand or GSB (as approved by IRCON) under floors, including watering, ramming, consolidating and dressing complete.	Cum.	275.00	₹ 2,123.75	₹ 5,84,031.00
D4	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	880.00	₹ 17.60	₹ 15,488.00
D5	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources) (M15 Grade PCC)	Cum.	213.00	₹ 7,878.50	₹ 16,78,121.00
D6	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for;				
D6.1	4.3.1	Foundations, footings, bases for columns	sqm	79.00	₹ 392.15	₹ 30,980.00
D6.2	4.3.3	Columns, piers, abutments, pillars, posts and struts	sqm	76.00	₹ 961.30	₹ 73,059.00
D7	4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 Coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	528.00	₹ 749.30	₹ 3,95,630.00
D8	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	3,465.00	₹ 107.85	₹ 3,73,700.00
D9	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				

SN	Item No.	Description	Unit	Quantity (SSO)	Rate inclusive of 18% GST	Amount inclusive of 18% GST
D9.1	5.33.1.2	Concrete of M30 grade with minimum cement content of 350 kg /cum	Cum.	40.00	₹ 9,655.70	₹ 3,86,228.00
D10	10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete Hot finished welded type tubes	kg	5,500.00	₹ 194.40	₹ 10,69,200.00
D11	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plate complete.	kg	550.00	₹ 97.20	₹ 53,460.00
D12	11.37	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), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	198.00	₹ 1,096.55	₹ 2,17,117.00
D13	11.41.2	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), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600x600 mm	Sqm	1,375.00	₹ 1,553.45	₹ 21,35,994.00
D14	12.1.3	Providing corrugated G.S. sheet roofing including vertical / Curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to ant pitch in horizontal / vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 0.63 mm thick with zinc coating not less than 275 gm/m2	Sqm	660.00	₹ 1,087.65	₹ 7,17,849.00
D15	12.4.2	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete 0.63 mm thick with zinc coating not less than 275 gm/m2	meter	44.00	₹ 980.50	₹ 43,142.00
D16	12.41.2	Providing and fixing on wall/ground face unplasticised Rigid PVC 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	330.00	₹ 377.40	₹ 1,24,542.00
D17	16.42	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete. (At SSO)	Cum	66.00	₹ 7,993.80	₹ 5,27,591.00
D18	16.68	Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge	sqm	132.00	₹ 972.00	₹ 1,28,304.00
D19	18.9	Providing & 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 :				
D19.1	18.9.3	25 mm nominal dia Pipes	meter	55.00	₹ 355.40	₹ 19,547.00
D19.2	18.9.4	32 mm nominal dia Pipes	meter	88.00	₹ 438.60	₹ 38,597.00

SN	Item No.	Description	Unit	Quantity (SSO)	Rate inclusive of 18% GST	Amount inclusive of 18% GST
D19.3	18.9.6	50 mm nominal dia Pipes	meter	154.00	₹ 794.25	₹ 1,22,315.00
D20	18.15	Brass Fittings, Providing and fixing brass bib cock of approved quality :				
D20.1	18.15.1	15 mm nominal bore	each	2.00	₹ 353.25	₹ 707.00
D20.2	18.15.2	20 mm nominal bore	each	2.00	₹ 379.20	₹ 758.00
D21	18.16	Brass Fittings, Providing and fixing brass stop cock of approved quality :				
D21.1	18.16.1	15 mm nominal bore	each	2.00	₹ 353.25	₹ 707.00
D21.2	18.16.2	20 mm nominal bore	each	2.00	₹ 379.20	₹ 758.00
D22	18.17	Brass Fittings, Providing and fixing gun metal gate valve with C.I. wheel of approved quality (Screwed end):				
D22.1	18.17.2	32 mm nominal bore	each	2.00	₹ 689.60	₹ 1,379.00
D22.2	18.17.4	50 mm nominal bore	each	2.00	₹ 1,026.65	₹ 2,053.00
D23	18.18	Brass Fittings, Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete:				
D23.1	18.18.2	20 mm nominal bore	each	2.00	₹ 462.50	₹ 925.00
D23.2	18.18.3	25 mm nominal bore	each	2.00	₹ 464.05	₹ 928.00
D24	18.48 A	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support i/c fittings & fixtures for tank shall be paid separately.	litre	4,000.00	₹ 11.00	₹ 44,000.00
D25	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
D25.1	19.6.1	100 mm dia. R.C.C. pipe	meter	264.00	₹ 507.05	₹ 1,33,861.00
D25.2	19.6.2	150 mm dia. R.C.C. pipe	meter	154.00	₹ 556.45	₹ 85,693.00
D26	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	16.00	₹ 12,770.55	₹ 2,04,329.00
D27	19.32.1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2.00	₹ 26,861.90	₹ 53,724.00

SN	Item No.	Description	Unit	Quantity (SSO)	Rate inclusive of 18% GST	Amount inclusive of 18% GST
D28	23.1.1.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level. All types of soil - 300mm dia	metre	90.00	₹ 707.75	₹ 63,698.00
D29	23.3.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge. 200 mm nominal size dia	metre	66.00	₹ 1,113.35	₹ 73,481.00
D30	23.4.3	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge. 200 mm nominal size dia	metre	24.00	₹ 1,255.70	₹ 30,137.00
D31	23.8	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	cum	12.00	₹ 2,024.50	₹ 24,294.00
D32	26.80.1	Providing & Grouting of dowel tubes / shear keys / Joints of precast members with M-60 grade cementitious grout (Non shrink) of approved make by suitable means (free flowing /pump), curing etc. Complete as per directions of Engineer-in-charge. (The payment shall be made on the basis of actual weight of approved grout injected.) Stirrer mixed cementitious grout (non shrink) of approved make in dowel tubes / shear keys / Joints of precast members.	kg	495.00	₹ 85.05	₹ 42,100.00
D33	All Codes	Any other item of works other than the above items, but required to be executed for successful completion of the works as deemed necessary by the engineer-in-charge as per delhi schedule of rates, 2023	Lump Sum	As per DSR-23	As per DSR-23	₹ 25,00,000.00
Schedule D Total Amount with all applicable taxes						₹ 1,21,22,829.00
Quoted Percentage Above/Below						-21.51
Net Total Amount for Schedule D with all applicable Taxes						₹ 95,15,208.48

Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2).

SN	Item No.	Description	Unit	Quantity (SSO)	Rate inclusive of 18% GST	Amount inclusive of 18% GST
Schedule E [DSR (E&M) 2022 & 2025 Vol-II Items]						
E	As per DSR-2022 & 2025(Vol-II)	Any Item of electrical works (internal or external) Other than the items given above, but required to be executed for successful completion of the work as deemed necessary by the Engineer - in - charge will be as per Delhi Schedule of Rates (E&M), 2022 & 2025(Vol-II)	As per DSR-2022 & 2025(Vol-II)	Lumpsum	As per DSR-2022 & 2025(Vol-II)	₹ 10,00,000.00
Schedule E Total Amount with all applicable taxes						₹ 10,00,000.00
Quoted Percentage Above/Below						-21.51
Net Total Amount for Schedule E with all applicable Taxes						₹ 7,84,900.00

Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2).

SN	Item No.	Description	Unit	Quantity (SSO)	Rate inclusive of 18% GST	Amount inclusive of 18% GST
Schedule F (Other than Scheduled items)						
F1	OS-1	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete. (Bolts, Plates, Washers & Nuts will be provided by the IRCON) (Payment is based on Nos. of Columns, each column has 4 anchor bolts and 1 base plate)	No.	32.00	₹ 1,017.00	₹ 32,544.00
F2	OS-2	"Providing 1.8 m high fencing with 2.1m R.C.C Post placed 3m apart, embedded in cement concrete M5 (1:5:10 or higher), every 15th post and corner post shall be strutted on both sides, end post one side only, and struts embedded in cement concrete, provided with hot dipped galvanized chain link fencing (using 260 GSM heavy zinc coated G.I. wire) as per IS 2721 with mess size 40±4mm, Nominal diameter of Mesh Wire 3.15mm, Line wire diameter 4.00mm, Number of line wire is 2 No. one at top and one at bottom, with both end knuckled type and fixed with G.I. staples on turn buckles or binding wire tied to 6 mm bar ribs fixed while casting the post. Vertical Posts & Struts shall be of RCC M15 Concrete. The rate includes the cost of all materials, lead, lifts, ascend, descend, mixing, loading, transportation, unloading, taxes, royalty, etc in complete."	Meter	80.00	₹ 755.20	₹ 60,416.00
F3	OS-3	Supplying and installation of Kirloskar/Crompton/ Havells (or equivalent) make, as approved by IRCON, electric motor driven single phase borewell submersible pump set, MOC: Casing FG 260, Impeller : BRONZE & SHAFT : SS 410 category- 1.5, 180 mt. Head & 90 LPM discharge, 2 HP power.	Each bore	2.00	₹ 15,000.00	₹ 30,000.00
F4	OS-4	Supplying and installation of Control panel board - DOL/ star Delta starter suitable for local & remote pump control application consisting of MPCB, overload relay and contractors as per Type II coordination including digital voltmeter, analogue ammeter with selector switch, run hour meter, required relays & control accessories: DOL up to 2 HP	Each bore	2.00	₹ 5,000.00	₹ 10,000.00
F5	OS-5	Carrying out hydrogeological survey to locate ground water using scientific methods and appropriate equipment.	Each bore	2.00	₹ 5,000.00	₹ 10,000.00
F6	OS-6	Providing Laying and lowering a RCC SEPTIC TANK of Diameter 4 Feet and Length 8 Feet consist of 3 chambers 2 manholes inlet & outlet, Cylindrical in shape (Rate is inclusive of transportation at site, Excavation is paid separately)	Each	2.00	₹ 21,240.00	₹ 42,480.00
F7	OS-7	Supply, Installation, Testing and commissioning of floor standing outdoor type Main Low Voltage panel including automatic power factor correction arrangement for suitable for operation on 433V 3 Phase, 50Hz supply, made of metal enclosure of 2.0/1.6 mm thick CRCA sheet duly powder coated construction with standard copper bus bar : Incomer: 200A, 4P, 35kA with Thermal Magnetic Release MCCB with MFM/Suitable CTs/Phase/On/Off LED Indication Lamps. Outgoing: 125A, 4P Automatic Changeover switch 63A, 4P MCB - 5 Nos. 63A, 4P MCB - 1 No (Spare but charged) 25 kVAr APFC Feeder - 1 Nos. Panel shall be compartmentalised for incoming and outgoing circuits. Necessary arrangement be made for termination of incoming cable and outgoing cables from bottom. Cable alleys shall be used to route incoming and outgoing cables as required. Manufacturer General arrangement and schematic drawings to be submitted to IRCON for approval before taking up the manufacturing by the contractor. (For Sub Site Office)	Nos	2.00	₹ 2,50,000.00	₹ 5,00,000.00
F8	OS-8	Supply of 1.1kV grade , XLPE insulated, conductor, Heavy Duty , Armoured cables of following ratings as per technical specifications as per IS 7098 Part II				

SN	Item No.	Description	Unit	Quantity (SSO)	Rate inclusive of 18% GST	Amount inclusive of 18% GST
F8.1	OS-8.1	3.5C x 95sqmm (Aluminium) Armoured	Mtr.	60.00	₹ 515.00	₹ 30,900.00
F8.2	OS-8.2	3.5C x 50sqmm (Aluminium) Armoured	Mtr.	50.00	₹ 336.30	₹ 16,815.00
F8.3	OS-8.3	4C x 16sqmm (Aluminium) Armoured	Mtr.	300.00	₹ 260.00	₹ 78,000.00
F8.4	OS-8.4	4C x 10sqmm (Aluminium) Armoured	Mtr.	40.00	₹ 180.00	₹ 7,200.00
F8.5	OS-8.5	2C x 2.5 sqmm (Copper) Flexible Service Wire	Mtr.	50.00	₹ 100.00	₹ 5,000.00
F8.6	OS-8.6	3.5C x 35 sqmm (Aluminium) Armoured for DG Set	Mtr.	60.00	₹ 400.00	₹ 24,000.00
F8.7	OS-8.7	Termination of all Cables in DB and Panel side	Nos.	6.00	₹ 6,500.00	₹ 39,000.00
F9	OS-9	Laying of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering				
F9.1	OS-9.1	Upto & including 35 sq. mm	Mtr.	260.00	₹ 140.00	₹ 36,400.00
F9.2	OS-9.2	Above 35 sq. mm and upto 95 sq. mm	Mtr.	150.00	₹ 170.00	₹ 25,500.00
F10.1	OS-10.1	Supply, erection of G.I Octagonal pole as per BS EN 40-3- 1&3 including digging of pit, making suitable foundation with cement, sand & aggregate in ratio 1:2:4, muffing, accomodating foundation for cable loop-in-loop out of suitable size as required. 9.0 Meter Pole.	Nos	2.00	₹ 26,000.00	₹ 52,000.00
F10.2	OS-10.2	Supply, Erection and Fixing of hot dipped galvanised Overhang (60 X 3.25 mm) with cap (250 x 137.9 x 4.05 mm) over the existing poles Single arm overhang (Suitable For 1 LED)	Nos	2.00	₹ 1,800.00	₹ 3,600.00
F10.3	OS-10.3	Supply & Fixing of IP-66 protected high power 150 WATT LED flood light system with extruded aluminium housing , toughened glass diffuser with suitable lenses on LED to achieve various beam angles, 240 volt, 50Hz, of high power LED lamps supplied with pre wired cable of 1 mtr. Integrated driver shall be high efficiency having efficiency more than 85 % and in compliance to IEC standards. System life of 50000 burning hours with 70 % of initial lumen be maintained. Fixtures shall be CE compliance.	Nos	2.00	₹ 13,000.00	₹ 26,000.00
F11	OS-11	Providing earthing pit as CPWD specification with 3.0m 50mm dia Electrode with outer part of Copper Pipe, alongwith earthing compound backfill as required to achieve earth resistance values as per specifications.Complete with Earth Pit & Pit cover.	Nos	12.00	₹ 5,000.00	₹ 60,000.00
Schedule F Total Amount with all applicable taxes						₹ 10,89,855.00
Quoted Percentage Above/Below						-21.51
Net Total Amount for Schedule F with all applicable Taxes						₹ 8,55,427.19

Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2).

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
SCHEDULE-3 :WORKS OF PREFAB-STRUCTURE						
Schedule G (Other than Schedule items)						
G1	OS-1	Supply, Fabrication and Erection of PUF/PIR Insulated Panel sandwiched between PPGI/PPGL sheets Prefab structures with internal electrical and plumbing works. The scope of works broadly includes but not limited to supply & installation of MS Steel Structures, Wall panels, Partition Panels, Roof Panels, Doors, Windows, Ventilators, False Ceiling, U-Channel, Flashings, Sealants, Internal wiring & fixtures, Internal Sanitary works with fixtures, Kitchen Platform with Sink etc. complete including any other item required to make functional as per approved layouts, specifications & as directed by Engineer in charge.				
G1.1	OS-1.1	Site Hut Office	Sqm	600	18054	10832400
Schedule G Total Amount with all applicable taxes						₹ 1,08,32,400.00
Quoted Percentage Above/Below						-21.51
Net Total Amount for Schedule G with all applicable Taxes						₹ 85,02,350.76

Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2).

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
SCHEDULE-4 :OTHER DEVELOPMENT MISC.WORKS						
	Schedule H (DSR 2025 for Horticulture & Landscaping)					
H	As per DSR-2025 (Horticulture & Landscaping)	Any Item of Horticulture & Landscaping but required to be executed for successful completion of the work as deemed necessary by the Engineer - in - charge will be as per Delhi Schedule of Rates, Analysis of Rates and Specifications (Horticulture and Landscaping) 2025	As per DSR-2025 (Horticulture & Landscaping)	Lumpsum	As per DSR-2025 (Horticulture & Landscaping)	₹ 5,00,000.00
Schedule H Total Amount with all applicable taxes						₹ 5,00,000.00
Quoted Percentage Above/Below						-21.51
Net Total Amount for Schedule H with all applicable Taxes						₹ 3,92,450.00

Construction of Civil works involving Earthwork, GSB filling, RCC foundations, Road Works, Flooring, External Water supply, Sewerage system and other developmental works for construction of Sub-site Offices at Vapi and Bharuch and Track Construction Bases at locations between Zaroli Village at Maharashtra-Gujarat border (MAHSR km 156.600) and Vadodara (MAHSR km 393.700) in the state of Gujarat and the union territory of Dadra and Nagar Haveli in connection with Construction of Mumbai- Ahmedabad High Speed Rail (Package-MAHSR-T2).

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
Schedule I (Other than Schedule Items)						
11	OS-1	Supply, transportation and installation at site Of Plastic Safety Cone with movable Traffic Stand as Per following Specification and as per the direction of Engineer-in-charge : 1. Design Cone with reflective sleeve with a square base and hook loop on top. 2. Material : Virgin Linear Low Density Poly Ethylene (LLDPE) and Ethylene Vinyl Acetate (EVA) 3. Method of moulding : Single injection moulded 4. Height: 750 mm 5. Base Size & Color : 385 mm X 385 mm in Black color 6. Weight: Min. 4.5 kg including the weight of the base material 7. Body Color: Orange with black base 8. Reflective Sleeve Size: 4-6 inch 9. Other: Should withstand bad weather and extreme temperature of upto 50 degree Celsius & UV stabilized	Nos.	25	₹ 623.00	₹ 15,575.00
12	OS-2	Providing, transportation and installation of portable Bio-toilets over viaduct of each TCB's. Each bio-toilet as a modular unit with inner dimensions of 1066 mm x 1066 mm x 2130 mm. It features 40mm thick sandwich panels made of galvanized steel with EPS insulation and a flat roof with complete finishing of Polyester glossy powder coating for durability and aesthetics. The unit includes a corrugated steel door with standard accessories, a western urinal and fitted small washbasin with complete faucet arrangement, tiled flooring, internal wiring, CFL lighting, ventilation fan, and a bio-digester FRP tank (1 cubic meter capacity) for waste management, etc. complete including any other item required to make functional as per approved layouts, specifications & as directed by Engineer in charge.	Nos.	5	₹ 84,022.00	₹ 4,20,110.00
13	OS-3	Providing and fixing of Retro Reflective Signage of make 3M(ASTM D-4956 Type-4 Class-B) / AVERY Dennison(Type4 HIP) or equivalent brand with Retro Reflective Printing on it, pasted on Aluminium Composite Panel(ACP) Sheet of thickness 3mm as per the signage schedule duly approved by IRCON (as per specifications & drawings and according to requirements of IRCON). The scope includes fabrication, transportation and installation at site to satisfaction of Engineer-in-charge.	Sqft	300.00	₹ 206.00	₹ 61,800.00
14	OS-4	Designing, printing, supply and installation of 3M make reflective stickers on ACP boards of 3 mm thickness with 1.5"/18 gauge thick GI frame of required colour, size and matter provided by IRCON with required back ground color. Item includes fixing at locations and all heights with all accessories such as Fastener grouting, hooks, nuts, screws hooks & Plates etc. complete as per specified fabrication drawing. The scope includes fabrication, transportation and installation at site to the satisfaction of Engineer-in-charge.	Sqft	500.00	₹ 331.00	₹ 1,65,500.00
15	OS-5	Manufacturing, supplying and fixing retro reflective overhead signage boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting conforming to type - III of ASTM-D-4956-01 as approved by Engineer-in-charge, letters, borders etc. as per IRC : 67-2001 in silver white with blue colour back ground and with high intensity grade, pasted on substrate by pressure sensitive adhesive backing which shall be activated by applying pressure conforming to class II of ASTM-D-4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminium alloys, rivets or bolts & nuts @ 300 mm centre to centre all along the periphery as well as in two vertical rows along with theft resistant measures, including the cost of painting with two or more coats of epoxy paint in grey colour on the back side of aluminium sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing and erecting the same in position all complete as per drawings, specification and direction of the Engineer-incharge.(Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment).	Sqm	50.00	₹ 5,879.90	₹ 2,93,995.00
16	OS-6	Supply of following Machinery at site on hire basis including cost of services of operating staff, cost of lubricating oil, diesel/Petrol/Kerosene oil, other consumables for the misc. Works as and when required by IRCON complete in all respect and as directed by Engineer-in-charge :				
16.1	OS-6.1	Crane having capacity 50MT min	hour	100.00	₹ 1,557.00	₹ 1,55,700.00
16.2	OS-6.2	Water tanker 5000 litre capacity	hour	500.00	₹ 221.00	₹ 1,10,500.00
16.3	OS-6.3	JCB or Backhoe loader	hour	200.00	₹ 1,098.00	₹ 2,19,600.00
16.4	OS-6.4	Tipper	hour	200.00	₹ 688.00	₹ 1,37,600.00
16.5	OS-6.5	Tandem Road roller	hour	100.00	₹ 221.00	₹ 22,100.00
17	OS-7	Supply of unskilled Manpower for curing, housekeeping etc.at TCB's or viaduct as and when required by IRCON complete with all tools and tackles as per direction of Engineer - in - Charge	Manday	500.00	₹ 1,118.00	₹ 5,59,000.00

SN	Item No.	Description	Unit	Quantity	Rate inclusive of 18% GST	Amount inclusive of 18% GST
18	OS-8	Supply, installation, testing and commissioning of Solar light on pathway over Vaiduct with following specification: integrated type solar PV lighting system on the existing pole structure, comprising of 30 watt, 6V Mono Passivated Emitter and Rear Contact (PERC) Solar Panel (minimum efficiency 21%), Pulse with modulation (PWM)/Maximum Power point tracking (MPPT) charge Controller in the box with a sleek appearance and a sturdy structure, is weather-proof, and is simple to install. With Lithium- Iron Phosphate Battery (LiFePO4) 3.2Volt (Cell) 30 AH battery, charging time 810 hours, Battery backup time 12 hours (minimum), LED fixture watt 30 watt, Input voltage: 12V DC, Operating temp range -15 deg to 50 deg centigrade, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency >85%, THD < 10% as per IEC 61000-3-2, P.F. >0.95, IP66, IK-08, CRI >80, under voltage and over voltage protection, Electro Magnetic Interference (EMI) Electro Magnetic Compatibility (EMC) As per CISPER 15 A, lenses for beam angle as per Illuminating Engineering Society of North America (IESNA) type I/II/III as per the width of the road and the project requirement, Correlated Colour Temperature (CCT) 5700°K /6000°K (As per American National Standard Institute (ANSI Bin)), life time (LED, Driver & electrical circuitry) of 50K hours lamp burning hours till the 70 % of initial Lumen maintained as per LM80 extrapolation IES TM-21-11 report, automatic switch on/off, Aluminium or Acrylonitrile Butadiene Styrene (ABS body), can be installed on a pole or wall, System lumen efficacy >120 lm/Watt output. All as per pre approved by Engineer in-charge complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required. (Part 1), for fixtures up to 60 watt. LED light Complete with mounting structure for the battery and accessories and wind storm withstand capacity as per the zone. (Thermal management: heat sink of aluminium housing such that LED junction temperature do not rise above 90°C) 30 Watt (System lumen efficacy >120 lm/Watt)	No.	100.00	₹ 23,100.00	₹ 23,10,000.00
19	OS-9	Providing, transportation and installation of portable canopy structure (size :10ft x 10ft of height 7 ft & Center pipe being 10ft) Premium Heavy Duty, Pop Up, Waterproof & UV Protection Roof Tent with Portable & Foldable Heavy Duty Frame. Make: TIRUMALA INDUSTRIES-KANPUR or similar [Warranty Period: 30 Months after the date of delivery] over viaduct as a labour restshed. The specification is as under: Fabric - 100 percent water proof and uv resistant. 900d polyester with p.U. Coating Structure - lightweight-construction, durable, removable, easy to carry, Package content - frame, top canopy, 3 side covers . Side covers are removable and can be removed when not in use. Safety - to obstruct a gale wind, rain, sun, with uv protection .	No.	15.00	₹ 13,587.00	₹ 2,03,805.00
Schedule I Total Amount with all applicable taxes						₹ 46,75,285.00
Quoted Percentage Above/Below						-21.51
Net Total Amount for Schedule I with all applicable Taxes						₹ 36,69,631.20

(to be executed on a non-judicial stamp paper of Rs 100/- only)

PERFORMANCE BANK GUARANTEE (UNCONDITIONAL)

To
IRCON INTERNATIONAL LIMITED,

[Acting through _____ (Project Incharge) & Address of the Project]

WHEREAS _____ [name and address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute the work of " _____ "[name of Contract and brief description of Works] (hereinafter called "the Contract.");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a Scheduled Bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of _____ [amount of Guarantee], _____ [amount in words], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, without any demur or protest, at once, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ [amount of Guarantee] as mentioned in the demand letter without requiring you to prove or to show grounds or reasons for your such demand for the sum specified therein, in the first letter of invocation.

We hereby waive the necessity of your demanding the said amount from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid up to _____ (a date 60 days from the date of completion of the work).

We, the _____ Bank further agree that this guarantee shall be invokable at our place of business at New Delhi/NCR/Project HQ (indicate detail address of branch with Code No)*. The branch at New Delhi/NCR/Project HQ is being advised accordingly.

This Bank Guarantee Shall be operative only if it is accompanied by a separate advice sent by _____ (Name of Issuing Bank, with address) on _____ (Name of Employer's Bank, with address) IFS Code

_____ through Structured Financial Messaging System (SFMS) and authenticated by the Employer's Bank.

SIGNATURE AND SEAL OF THE GUARANTOR

Name of Bank: _____
Address: _____
Date: _____

*The Bank should indicate detailed address of New Delhi/NCR/Project HQ branch along with its Code No.

Signature Not Verified

Digitally signed by ASHUTOSH RAWAT
Date: 2026.01.14 17:25:56 IST
Location: eProcurement System for
Central PSUs