

**SCR-CONST-HQ-ENGG/SOUTH CENTRAL RLY
TENDER DOCUMENT**

Tender No: 18-CAO-C-SC-2022

Closing Date/Time: 17/03/2022 15:00

Chief Administrative Officer / CON acting for and on behalf of The President of India invites E-Tenders against Tender No **18-CAO-C-SC-2022** Closing Date/Time 17/03/2022 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

Name of Work	SCR Construction Organization: Nanded Division- Development of Coach Maintenance facilities- Dismantling of existing quarters, sheds, offices, Construction of Pit line, IOH Shed, Type-II & III quarters, ADEN Office, SSE/P.WAY & Works office, approach road to quarters/offices, SCR MU & Sangh Offices, Community Hall, Service building for Mechanical and Electrical offices, SSE/Works/P.Way & Works Store and other related structures at JALNA Station.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	17/03/2022 15:00	Date Time Of Uploading Tender	24/02/2022 11:30
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	276550724.72	Tendering Section	GENERAL
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	1532800.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	15 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	03/03/2022	Are Joint Venture (JV) firms allowed to bid	Yes
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-Building/Shed/Pit line items(DSR items)							207417542.72	Above/ Below/Par
1	1.1.2.6	6194.00	cum-km	15.20	94148.80	(-) 20.00	75319.04	
	Description:- CARRIAGE OF MATERIALS // By Mechanical Transport including loading,unloading and stacking // Earth // Beyond 5 km upto 10 km per km							
2	2.3.1	451.00	cum	470.55	212218.05	(-) 20.00	169774.44	
	Description:- EARTH WORK // Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with 0.5 tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and lift upto 1.5 m : // All kinds of soil							
3	2.6.1	22960.00	cum	181.85	4175276.00	(-) 20.00	3340220.80	
	Description:- EARTH WORK // 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 lift upto 1.5 m, as directed by Engineer-in-charge. // All kinds of soil							
4	2.7.1	7032.00	cum	352.45	2478428.40	(-) 20.00	1982742.72	
	Description:- EARTH WORK // 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 lift upto 1.5 m, as directed by Engineer-in-charge. // Ordinary rock							
5	2.27	1506.00	cum	1953.05	2941293.30	(-) 20.00	2353034.64	
	Description:- EARTH WORK // Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.							
6	2.28.1	5250.00	Sqm	24.35	127837.50	(-) 20.00	102270.00	
	Description:- EARTH WORK // Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. // All kinds of soil							
7	2.31	4000.00	Sqm	12.55	50200.00	(-) 20.00	40160.00	

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		Description:- EARTH WORK // 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.					
8	4.1.3	1698.00	cum	6788.60	11527042.80	(-) 20.00	9221634.24
		Description:- CONCRETE WORK // CEMENT CONCRETE (CAST IN SITU) // 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) : 4 graded stone aggregate 20 mm nominal size)					
9	4.1.6	3361.00	cum	6126.25	20590326.25	(-) 20.00	16472261.00
		Description:- CONCRETE WORK // CEMENT CONCRETE (CAST IN SITU) // Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : // 1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size)					
10	5.9.1	9190.00	Sqm	284.85	2617771.50	(-) 20.00	2094217.20
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Centering and shuttering including strutting, propping etc. and removal of form for // Foundations, footings, bases of columns, etc. for mass concrete					
11	5.9.2	5500.00	Sqm	609.30	3351150.00	(-) 20.00	2680920.00
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Centering and shuttering including strutting, propping etc. and removal of form for // Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.					
12	5.9.3	6520.00	Sqm	693.05	4518686.00	(-) 20.00	3614948.80
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Centering and shuttering including strutting, propping etc. and removal of form for // Suspended floors, roofs, landings, balconies and access platform					
13	5.9.4	700.00	Sqm	693.05	485135.00	(-) 20.00	388108.00
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Centering and shuttering including strutting, propping etc. and removal of form for // Shelves (Cast in situ)					
14	5.9.5	5177.00	Sqm	552.05	2857962.85	(-) 20.00	2286370.28
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Centering and shuttering including strutting, propping etc. and removal of form for // Lintels, beams, plinth beams, girders, bressumers and cantilevers					
15	5.9.6	15657.00	Sqm	733.70	11487540.90	(-) 20.00	9190032.72
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Centering and shuttering including strutting, propping etc. and removal of form for // Columns, Pillars, Piers, Abutments, Posts and Struts					
16	5.9.7	258.00	Sqm	622.35	160566.30	(-) 20.00	128453.04
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Centering and shuttering including strutting, propping etc. and removal of form for // Stairs, (excluding landings) except spiral-staircases					
17	5.9.16.1	1622.00	Metre	173.25	281011.50	(-) 20.00	224809.20
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Edges of slabs and breaks in floors and walls // Under 20 cm wide					
18	5.9.19	160.00	Sqm	766.75	122680.00	(-) 20.00	98144.00
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Weather shade, Chajjas, corbels etc., including edges					
19	5.9.20	448.00	Sqm	779.30	349126.40	(-) 20.00	279301.12
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick					
20	5.9.21	3600.00	Sqm	641.60	2309760.00	(-) 20.00	1847808.00
		Description:- REINFORCED CEMENT CONCRETE // FORM WORK // Lintels, beams, plinth beams, girders, bressumers and cantilevers with water proof ply 12 mm thick					
21	5.16	13.00	cum	17196.00	223548.00	(-) 20.00	178838.40
		Description:- REINFORCED CEMENT CONCRETE // PRE-CAST RCC // Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in shelves, including setting in cement mortar 1:3 (1cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).					
22	5.21	800.00	Sqm	443.95	355160.00	(-) 20.00	284128.00
		Description:- REINFORCED CEMENT CONCRETE // ENCASING ROLLED STEEL SECTION // Extra for providing and fixing expanded metal mesh of size 20x60 mm and strands 3.25 mm wide 1.6 mm thick weighing 3.64 kg per sqm for encasing of rolled steel sections in beams, columns and grillages, excluding cost of hangers.					
	5.37.1	3724.00	cum	8398.65	31276572.60	(-) 20.00	25021258.08

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23	Description:- REINFORCED CEMENT CONCRETE // DESIGN MIX CONCRETE // Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. // All works upto plinth level						
24	5.37.2	3232.00	cum	9802.20	31680710.40	(-) 20.00	25344568.32
24	Description:- REINFORCED CEMENT CONCRETE // DESIGN MIX CONCRETE // Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. // All works above plinth level upto floor V level						
25	6.34.2	2775.00	cum	7280.70	20203942.50	(-) 20.00	16163154.00
25	Description:- MASONRY WORK // EXPOSED BRICK WALL // Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in : // Cement mortar 1:6 (1 cement : 6 Coarse sand)						
26	6.47	773.00	cum	6636.95	5130362.35	(-) 20.00	4104289.88
26	Description:- MASONRY WORK // EXPOSED BRICK WALL // Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).						
27	7.1.1	864.00	cum	6120.80	5288371.20	(-) 20.00	4230696.96
27	Description:- STONE WORK // RANDOM RUBBLE MASONRY // Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : // Cement mortar 1:6 (1 cement : 6 coarse sand)						
28	8.2.2.2	732.00	Sqm	4007.65	2933599.80	(-) 20.00	2346879.84
28	Description:- CLADDING WORK // Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. // Granite of any colour and shade // Area of slab over 0.50 sqm						
29	8.26.3	1072.00	Sqm	1799.45	1929010.40	(-) 20.00	1543208.32
29	Description:- CLADDING WORK // STONE WORK DRY CLADDING // Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS : 12823 marked, including priming coat on unexposed arrangement and screws etc. complete : // 25 mm thick						
30	8.3.2	784.00	Metre	376.25	294980.00	(-) 20.00	235984.00
30	Description:- CLADDING WORK // Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. // Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. // Granite work						
31	8.31	2800.00	Sqm	1030.30	2884840.00	(-) 20.00	2307872.00
31	Description:- CLADDING WORK // STONE WORK DRY CLADDING // Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.						
32	9.1.1	32.00	cum	130183.05	4165857.60	(-) 20.00	3332686.08

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	Description:- WOOD AND P.V.C. WORK // FRAMES AND TRUSSES // Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). // Second class teak wood						
	9.6.1	1361.00	Sqm	2636.60	3588412.60	(-) 20.00	2870730.08
33	Description:- WOOD AND P.V.C. WORK // Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) // Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B), fixing with butt hinges bright finished of required size with necessary screws, all complete as per directions of Engineer- in-charge and panelling with panels of : (Note:- Butt hinges and necessary screws shall be paid separately) // 12 mm thick plain grade -1, medium density flat pressed three layer particle board FPT - I or graded wood particle board FPT-I, IS : 3087 marked, bonded with BWP type synthetic resin adhesive as per IS : 848 :						
34	9.55.1	805.00	Each	46.25	37231.25	(-) 20.00	29785.00
	Description:- WOOD AND P.V.C. WORK // BRIGHT FINISHED M.S. FITTINGS // Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete : // 125x65x2.12 mm						
35	9.81.1	980.00	Each	204.65	200557.00	(-) 20.00	160445.60
	Description:- WOOD AND P.V.C. WORK // BRASS FITTINGS // Providing and fixing bright finished brass handles with screws etc. complete: // 125 mm						
36	9.82	730.00	Each	106.70	77891.00	(-) 20.00	62312.80
	Description:- WOOD AND P.V.C. WORK // BRASS FITTINGS // Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.						
37	9.83	730.00	Each	1003.50	732555.00	(-) 20.00	586044.00
	Description:- WOOD AND P.V.C. WORK // BRASS FITTINGS // Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.						
38	9.88	730.00	Each	806.45	588708.50	(-) 20.00	470966.80
	Description:- WOOD AND P.V.C. WORK // CHROMIUM PLATED BRASS FITTINGS // Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.						
39	9.118.1	767.00	Sqm	1760.70	1350456.90	(-) 20.00	1080365.52
	Description:- WOOD AND P.V.C. WORK // GYPSUM BOARD PARTITIONS // Providing and fixing to existing door frames. // 24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (+/- 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (+/- 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (+/- 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (+/- 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).						
40	9.165.1	350.00	Each	98.75	34562.50	(-) 20.00	27650.00
	Description:- WOOD AND P.V.C. WORK // GYPSUM BOARD PARTITIONS // Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete. // 125 mm						
41	11.20.1	3120.00	Sqm	1221.65	3811548.00	(-) 20.00	3049238.40
	Description:- FLOORING // TILE FLOORING // Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). // Light shade pigment using white cement						
42	11.38	1595.00	Sqm	996.70	1589736.50	(-) 20.00	1271789.20
	Description:- FLOORING // CERAMIC GLAZED TILES // 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 all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.						
	11.41.2	1800.00	Sqm	1500.55	2700990.00	(-) 20.00	2160792.00

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43	Description:- FLOORING // VITRIFIED FLOOR TILES // 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						
44	12.41.1	840.00	Metre	201.10	168924.00	(-) 20.00	135139.20
	Description:- ROOFING // Providing, fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately): // Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. // 75 mm diameter						
45	12.41.2	120.00	Metre	305.05	36606.00	(-) 20.00	29284.80
	Description:- ROOFING // Providing, fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately): // Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. // 110 mm diameter						
46	12.42.1.1	25.00	Each	77.85	1946.25	(-) 20.00	1557.00
	Description:- ROOFING // Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. // Coupler // 75 mm						
47	12.42.1.2	30.00	Each	117.80	3534.00	(-) 20.00	2827.20
	Description:- ROOFING // Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. // Coupler // 110 mm						
48	12.50	10252.00	Sqm	627.55	6433642.60	(-) 20.00	5146914.08
	Description:- ROOFING // Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. // Providing and fixing precoated 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 polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 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.						
49	12.51.1	525.00	Metre	416.30	218557.50	(-) 20.00	174846.00
	Description:- ROOFING // Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. // Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, 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 polyester top coat 15-18 microns using self drilling/ self tapping screws complete : // Ridges plain (500 - 600mm)						
50	12.52.4	600.00	Sqm	1171.50	702900.00	(-) 20.00	562320.00

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	Description:- ROOFING // Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. // Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. // 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.						
51	13.1.2	7756.00	Sqm	254.25	1971963.00	(-) 20.00	1577570.40
	Description:- FINISHING // CEMENT PLASTER (IN FINE SAND) // 12 mm cement plaster of mix : // 1:6 (1 cement: 6 fine sand)						
52	13.26	15356.00	Sqm	196.70	3020525.20	(-) 20.00	2416420.16
	Description:- FINISHING // Extra for plastering: // Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.						
53	13.37.1	7280.00	Sqm	28.55	207844.00	(-) 20.00	166275.20
	Description:- FINISHING // INTERIOR FINISHING // White washing with lime to give an even shade : // New work (three or more coats)						
54	13.40	5215.00	Sqm	117.75	614066.25	(-) 20.00	491253.00
	Description:- FINISHING // Colour washing such as green, blue or buff to give an even shade : // Distempering with dry distemper of approved brand and manufacture (two or more coats) of required shade on new work, over and including water thinnable priming coat to give an even shade.						
55	13.52.1	5496.00	Sqm	189.75	1042866.00	(-) 20.00	834292.80
	Description:- FINISHING // EXTERIOR FINISHING // Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. // On steel work						
56	15.2.1	1448.00	cum	1737.45	2515827.60	(-) 20.00	2012662.08
	Description:- DISMANTLING AND DEMOLISHING // Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. // Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)						
57	15.3	824.00	cum	2534.70	2088592.80	(-) 20.00	1670874.24
	Description:- DISMANTLING AND DEMOLISHING // Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in - charge.						
58	15.7.4	4661.00	cum	1469.90	6851203.90	(-) 20.00	5480963.12
	Description:- DISMANTLING AND DEMOLISHING // Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. // In cement mortar						
59	15.9.2	2000.00	cum	1754.30	3508600.00	(-) 20.00	2806880.00
	Description:- DISMANTLING AND DEMOLISHING // Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge : // In cement mortar						
60	15.12.2	144.00	Each	375.65	54093.60	(-) 20.00	43274.88
	Description:- DISMANTLING AND DEMOLISHING // Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : // Of area beyond 3 sq. metres						
	17.1.1	50.00	Each	5421.50	271075.00	(-) 20.00	216860.00

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61	Description:- SANITARY INSTALLATIONS // Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 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: // White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests						
62	17.4.1	10.00	Each	4982.25	49822.50	(-) 20.00	39858.00
	Description:- SANITARY INSTALLATIONS // 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 : // One urinal basin with 5 litre white P.V.C. automatic flushing cistern						
63	17.7.1	10.00	Each	3087.70	30877.00	(-) 20.00	24701.60
	Description:- SANITARY INSTALLATIONS // Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: // White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps						
64	18.10.1	200.00	Metre	284.90	56980.00	(-) 20.00	45584.00
	Description:- WATER SUPPLY // C.P.V.C. PIPES // Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.-Internal work - Exposed on wall // 15 mm dia nominal bore						
65	18.10.6	2280.00	Metre	786.75	1793790.00	(-) 20.00	1435032.00
	Description:- WATER SUPPLY // C.P.V.C. PIPES // Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.-Internal work - Exposed on wall // 50 mm dia nominal bore						
66	18.12.1	200.00	Metre	244.15	48830.00	(-) 20.00	39064.00
	Description:- WATER SUPPLY // C.P.V.C. PIPES // Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.-External work // 15 mm dia nominal bore						
67	18.12.3	400.00	Metre	364.55	145820.00	(-) 20.00	116656.00
	Description:- WATER SUPPLY // C.P.V.C. PIPES // Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.-External work // 25 mm dia nominal bore						
68	18.12.6	800.00	Metre	565.25	452200.00	(-) 20.00	361760.00
	Description:- WATER SUPPLY // C.P.V.C. PIPES // Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.-External work // 50 mm dia nominal bore						
69	18.13.2	400.00	Each	1432.75	573100.00	(-) 20.00	458480.00
	Description:- WATER SUPPLY // C.P.V.C. PIPES // Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : // 50 to 80 mm nominal bore						
70	18.48	50000.00	Litre	8.80	440000.00	(-) 20.00	352000.00
	Description:- WATER SUPPLY // C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES // Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.						
71	18.49.1	62.00	Each	418.95	25974.90	(-) 20.00	20779.92
	Description:- WATER SUPPLY // C.P. BRASS FITTINGS // Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : // 15 mm nominal bore						
72	18.52.1	45.00	Each	606.25	27281.25	(-) 20.00	21825.00
	Description:- WATER SUPPLY // C.P. BRASS FITTINGS // Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. // 15 mm nominal bore						
73	18.53.1	15.00	Each	532.00	7980.00	(-) 20.00	6384.00
	Description:- WATER SUPPLY // C.P. BRASS FITTINGS // Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 // 15mm nominal bore						
74	18.7.1	390.00	Metre	241.55	94204.50	(-) 20.00	75363.60
	Description:- WATER SUPPLY // C.P.V.C. PIPES // Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.-Internal work - Exposed on wall // 15 mm nominal outer dia Pipes						
75	19.1.5	1100.00	Metre	1607.15	1767865.00	(-) 20.00	1414292.00
	Description:- DRAINAGE // STONE WARE PIPES AND FITTINGS // Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : // 300 mm diameter						

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76	19.6.7	2050.00	Metre	1948.35	3994117.50	(-) 20.00	3195294.00	
	Description:- DRAINAGE // Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: // 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 : // 600 mm dia. R.C.C. pipe							
77	19.7.2.1	72.00	Each	22939.65	1651654.80	(-) 20.00	1321323.84	
	Description:- DRAINAGE // 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 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : // With common burnt clay F.P.S. (non modular) bricks of class designation 7.5							
78	21.1.1.1	1352.00	Kg	423.95	573180.40	(-) 20.00	458544.32	
	Description:- ALUMINIUM WORK // Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : // For fixed portion // Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)							
79	21.1.2.1	152.00	Kg	513.40	78036.80	(-) 20.00	62429.44	
	Description:- ALUMINIUM WORK // Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : // For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) // Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)							
80	21.2.1	420.00	Sqm	997.70	419034.00	(-) 20.00	335227.20	
	Description:- ALUMINIUM WORK // Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : // Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. // Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side							
81	21.3.2	360.00	Sqm	1296.40	466704.00	(-) 20.00	373363.20	
	Description:- ALUMINIUM WORK // Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : // Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): // With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)							
	21.17	140.00	Kg	519.85	72779.00	(-) 20.00	58223.20	

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82	Description:- ALUMINIUM WORK // Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : // Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).						
83	23.1.2.1	360.00	Metre	1223.20	440352.00	(-) 20.00	352281.60
	Description:- RAIN WATER HARVESTING & TUBEWELLS // 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. // Rocky strata including Boulders // 300 mm dia						
84	23.3.2	180.00	Metre	690.75	124335.00	(-) 20.00	99468.00
	Description:- RAIN WATER HARVESTING & TUBEWELLS // 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, beyond 90 metre & upto 150 metre depth below ground level. // 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. // 150 mm nominal size dia						
85	23.4.2	180.00	Metre	746.15	134307.00	(-) 20.00	107445.60
	Description:- RAIN WATER HARVESTING & TUBEWELLS // 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, beyond 90 metre & upto 150 metre depth below ground level. // 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. // 150 mm nominal size dia						
86	23.9	750.00	Each	1210.85	908137.50	(-) 20.00	726510.00
	Description:- RAIN WATER HARVESTING & TUBEWELLS // 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, beyond 90 metre & upto 150 metre depth below ground level. // Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineer-in-charge.						
87	23.5	4500.00	cum	1326.55	5969475.00	(-) 20.00	4775580.00
	Description:- RAIN WATER HARVESTING & TUBEWELLS // 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, beyond 90 metre & upto 150 metre depth below ground level. // Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.						
88	23.7	4500.00	cum	1326.55	5969475.00	(-) 20.00	4775580.00
	Description:- RAIN WATER HARVESTING & TUBEWELLS // 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, beyond 90 metre & upto 150 metre depth below ground level. // Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer -in-charge.						
	10.29.1	432.00	Sqm	709.30	306417.60	(-) 20.00	245134.08

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89	Description:- STEEL WORK // Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete. // Galvanised M.S. Wire gauze with 0.63 mm dia wire and 1.4 mm aperture on both sides						
	12.51.6	70.00	Metre	1041.75	72922.50	(-) 20.00	58338.00
90	Description:- ROOFING // Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. // Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, 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 polyester top coat 15-18 microns using self drilling/ self tapping screws complete : // Gutter (600 mm over all girth)						
	16.75	550.00	cum	8663.05	4764677.50	(-) 20.00	3811742.00
91	Description:- ROAD WORK // MISCELLANEOUS // Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).						
	17.6.1	10.00	Each	7240.55	72405.50	(-) 20.00	57924.40
92	Description:- SANITARY INSTALLATIONS // Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required : // Single squatting plate with 5 litre P.V.C. automatic flushing cistern						
	10.28	1700.00	Kg	575.45	978265.00	(-) 20.00	782612.00
93	Description:- STEEL WORK // Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).						
	9.48.1	5616.00	Kg	165.30	928324.80	(-) 20.00	742659.84
94	Description:- WOOD AND P.V.C. WORK // MISCELLANEOUS-WOOD WORK // Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. // Fixed to steel windows by welding						
	18.10.3	250.00	Metre	438.00	109500.00	(-) 20.00	87600.00
95	Description:- WATER SUPPLY // C.P.V.C. PIPES // Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.-Internal work - Exposed on wall // 25 mm dia nominal bore						
	6.40	308.00	Sqm	853.50	262878.00	(-) 20.00	210302.40
96	Description:- MASONRY WORK // EXPOSED BRICK WALL // Providing and laying Gypsum panel partitions 100 mm thick with water proof Gypsum panels of size 666x500x100 mm, made of calcite phosphor Gypsum fixed with tongue and groove, jointed with bonding plaster as per manufacturer's specifications in superstructure above plinth level up to floor V level. Gypsum blocks will have a minimum compressive strength of 9.3 kg/cm2						
	11.3.1	500.00	Sqm	498.35	249175.00	(-) 20.00	199340.00
97	Description:- FLOORING // Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. // 40 mm thick with 20 mm nominal size stone aggregate						
	Lump Sum				3680516.00	(-) 20.00	2944412.80
98	Description :- Lumpsum provision for those unforeseen items under Chapter 1,2,4,5,6,7,8,9,11,12,13,15,16,17,18,19,21,23 of DSR 2019 which are not covered above.						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-STEEL							67260696.00	Above/ Below/Par
1	5.22.6	314320.00	Kg	83.50	26245720.00	(-) 20.00	20996576.00	
	Description:- REINFORCED CEMENT CONCRETE // STEEL REINFORCEMENT // 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.							
	5.22A.6	271280.00	Kg	83.50	22651880.00	(-) 20.00	18121504.00	

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2	Description:- REINFORCED CEMENT CONCRETE // STEEL REINFORCEMENT // Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. // Thermo-Mechanically Treated bars of grade Fe-500D or more.							
3	10.1	186600.00	Kg	86.05	16056930.00	(-) 20.00	12845544.00	
4	Description:- STEEL WORK // 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.							
5	10.16.1	32200.00	Kg	143.45	4619090.00	(-) 20.00	3695272.00	
6	Description:- STEEL WORK // 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							
7	10.19	5000.00	Kg	83.85	419250.00	(-) 20.00	335400.00	
8	Description:- STEEL WORK // Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.							
9	10.25.1	20000.00	Kg	93.65	1873000.00	(-) 20.00	1498400.00	
10	Description:- STEEL WORK // Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. // In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete							
11	10.2	120000.00	Kg	101.75	12210000.00	(-) 20.00	9768000.00	
12	Description:- STEEL WORK // Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule C-USSR 2019 items							994626.00	Above/ Below/Par
1	211230	1800.00	Day	552.57	994626.00	AT Par	994626.00	
	Description:- Arranging labour as and when required by the Engineer incharge,for various works under SSE/P.Way, with contractor's T&P, equipments, hand signal flags, etc. as per specifications, special conditions and detailed scope of work as furnished in the tender and as directed by the Engineer incharge. Note ; For the paying quantity, a total of 12 hours duty of a man will be counted as one manday and nothing extra shall be payable for night working. However, in a day, total working hours shall not exceed 12 hours. In case, working hours exceed 12 hours, separate manday shall be counted. Note :- Location shall be identified in advance.100% test check in advance to be done by concerned ADEN as a proof of identification and got signed by him.							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule D-DESIN& DRAWINGS							429860.00	Above/ Below/Par
1	NS230	1.00	Each	84060.00	84060.00	AT Par	84060.00	
	Description:- Development of Architectural Drawings for proposed Loco Shed (Sheds with pit lines for loco inspection, loco washing point shed, service building etc.,) drainage arrangement and road, etc. to be executed in this contract and circulating area including land scaping details, Preparation of designs and structural drawings for RCC pile/open framed structure (G +1) with column footings, pile cap, plinth beams, pit lines, floorings, connecting roads and other RCC works connected with proposed sheds. The design of subitable pile/open foundations, submission of detailed design calculations, detailed drawings for reinforcement details of all the works on original tracing paper along with Six copies of prints in each with all contractor's design, drawings, including completion drawings, materials, labour, technical staff complete as directed by the Engineer-in-charge. The design & drawings should be submitted from approved consultant by Railway.Note: A sketch showing the proposed buildings will be issued to the contractor after accepting the tender. The contractor has to submit the GAD with Architectural layout within a weeks time after receiving the sketch. The unit "Each" consists of preparation of architectural, land scape and RCC / structural design and drawings complete for the structure proposed to be constructed. After approval of the proposal by Railway the contractor has to submit detailed designs and drawings for the structure and payment for this item will be made on 4 stages as given below.Stage Payment: i) Stage-1 Payment @ 25% of value of item will be made on approval of GAD with Architectural layout and Detailed design drawing. ii) Stage-2 Payment @ 25% of value of item will be made on approval of detailed design and drawings for piles, pile cap, Floor beams, slabs & steel structural drawings. iii) Stage-3 Payment @ 25 % of value of item will be made on approval of Detailed design and drawings for Misc. items and Final Architectural Drawings and land scape drawings. iv) Final Payment @ 25% of value of item will be made on submission of Completion Drawing of the entire structure after completion of the work.							
	NS228	3640.00	Sqm	95.00	345800.00	AT Par	345800.00	

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12	Description:- Consultancy work for developing structural design for Pro. Site Office and Rest House building (Foundation to be designed to cater for ground floor + first floor) and submit the RCC drawings including proof checking for the approval of Railways with contractor's Structural Engineers, all stationery, all taxes etc., complete to the conditions of contract, specifications and as directed by the Engineer-in-charge.a)Ground floor + first floor
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S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule E -CPWD DSR-2019 ITEMS							448000.00	Above/ Below/Par
1	Lump Sum				560000.00	(-) 20.00	448000.00	
Description :- any other items of chapters of CPWD DSR 2019 which are not covered in Schedule A&B								

3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Important : All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only

Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have received contractual payments in the previous three financial years and the current financial year upto the date of inviting of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department/client or Audited Balance Sheet duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet. Note: Client certificate from other than Govt Organisation should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India.	No	No	Allowed (Mandatory)
1.1	If JV firms are allowed to participate; Financial eligibility of the JV Firm shall be adjudged based on satisfactory fulfillment of the Para No.17.15.2 of Part-I of IRSGCC-2020 for J.V guide lines [with upto date correction slip].	No	No	Not Allowed
1.2	NOTE: If the tender is not accompanied by the certificate(s) in support of financial eligibility as above, the tender shall be rejected. No post-tender correspondence will be entertained.	No	No	Not Allowed

Submission of Document Verification Certificate

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please submit a certificate in the prescribed format (please download the format from the link given below) for verification / confirmation of the documents submitted for compliance of eligibility / qualifying criteria. Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. (Click here to download the Format of Self Certificatio)	No	No	Allowed (Mandatory)

Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	(a)The tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited[Even though the work might have commenced before the qualifying period]: Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or One similar work each costing not less than the amount equal to 60% of advertised value of the tender.	No	No	Allowed (Mandatory)

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1.1	In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender. Note: Separate completed works of minimum required values for each component shall also be considered for fulfillment of technical eligibility criteria.	No	No	Allowed (Mandatory)
1.2	The total value of similar nature of work completed during the qualifying period and not the payments received within qualifying period alone, shall be considered. In case, final Bill of similar nature of work has not been passed and final measurements have not been recorded, the paid amount including statutory deductions will be considered. If final measurements have been recorded and work has been completed with negative variation, then also the paid amount including statutory deductions will be considered. However, if final measurements have been recorded and work has been completed with positive variation but variation has not been sanctioned, original agreement value or last sanctioned agreement value whichever is lower shall be considered for judging eligibility.	No	No	Not Allowed
1.3	In case JV firms are allowed to participate, Technical Eligibility of the JV Firm shall be adjudged based on satisfactory fulfillment of the Para No.17.15.1 of Part-I of IRSGCC-2020 for J.V. guide lines [read with upto date correction slip].	No	No	Not Allowed
1.4	The value of work completed will not include the cost of any materials issued free of cost by the Railway/ Department concerned. Price Variation amount, if any; if indicated / incorporated in the experience certificate will also be considered towards eligibility.	No	No	Not Allowed
1.5	The works executed by tenderer for any Govt. / Govt. bodies / PSUs and public listed company (as detailed in Note for Para No.10.1 of part-I of IRSGCC 2020) shall only be considered for fulfilling of Technical Eligibility Criteria.	No	No	Not Allowed
1.5.1	The work experience certificate shall be in the name and style of the tenderer participating or as per provisions under Clause 17.15 of Part-I of IRSGCC 2020 for JV Firm, if eligible to participate. However, in case the tenderer is submitting the certificate issued to a JV firm of which the tenderer is a member, the credentials proportionate to his share in the JV will be considered. The tenderer shall submit an attested copy of relevant JV Agreement along with the Tender.	No	No	Not Allowed
1.5.2	The work experience certificate shall be issued by an officer not below the rank of JA Grade or Bill passing Officer in Railways and Bill passing Officer/Executive In-charge of work in other Govt. / Govt. bodies / PSUs. The certificate should bear the signature and seal of the issuing officer, name of the department etc.	No	No	Not Allowed
1.5.3	Note for Para No.10.1 of Part-I of IRSGCC; Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organisation, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated / registered atleast 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates. In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.	No	No	Allowed (Mandatory)
1.6	Definition of Similar Work :- Any Civil Engineering Work (excluding Track works / zonal works)	No	No	Not Allowed

5. COMPLIANCE

Important : All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	TENDER SHALL BE REJECTED if it is not accompanied by the following.	No	No	Not Allowed
1.1	Uploading of Certificate in support of Technical Eligibility (As detailed in Standard Technical Criteria).	No	No	Not Allowed

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1.2	Submission of Certificate(s) in support of Financial Eligibility (As detailed in Standard financial criteria).	No	No	Not Allowed
1.2.1	IN CASE OF ADVERTISED TENDER VALUE IS MORE THAN RS. 20 CRORES: Bid capacity is applicable, the tenderers should submit proforma attached in DOCUMENTS. In case, the tenderer/s failed to upload BID CAPACITY PROFORMA along with offer, their/his offer shall be considered as incomplete and will be rejected summarily.	No	No	Not Allowed
1.3	In case tenderer is other than sole proprietorship firm, following documents shall be uploaded by the tenderer:	No	No	Not Allowed
1.3.1	In case the Tenderer is a Partnership Firm: [i] Partnership deed [ii]Power of Attorney (duly registered as per prevailing law) in favour of an individual to sign the tender documents and create liability against the Firm. [iii] PAN / TAN number of Partnership firm (PAN / TAN number in the name of any of the constituent partners shall not be considered)(iv)All other documents as mentioned under clause no.18 part I of IRSGCC 2020	No	No	Not Allowed
1.3.2	In case the Tenderer is a LLP Firm registered under LLP Act-2008:(i) A copy of LLP Agreement, (ii) A copy of Certificate of Incorporation; and (iii) A copy of Power of Attorney/Authorisation issued by the LLP Firm in favour of the individual to sign the tender on behalf of the LLP Firm and create liability against the LLP. (iv) An undertaking that the LLP is not blacklisted or debarred by Railways or any other Ministry/Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as member of JV in which the LLP was / is a member. Concealment/wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract. (iv) All other documents in terms of explanatory notes in clause 10 part I of IRSGCC 2020.	No	No	Not Allowed
1.3.3	In case the Tenderer is a Company registered under Companies Act-2013:(i) The copies of MOA (Memorandum of Association) and AOA (Articles of Association) of the company; ii) A copy of Certificate of Incorporation and (iii) A copy of Authorization/Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company (iv) An under taking that the Company is not blacklisted or debarred by Railways or any other Ministry/Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which the Company was/ is a partner/member. Concealment/wrong information in regard to above shall make the contract liable for determination under clause 62 of General Conditions of contract.(v) All other documents in terms of explanatory notes in clause 10 of part I of IRSGCC 2020.	No	No	Not Allowed
1.3.4	In case the Tenderer is a Registered Society & Registered Trust: (i) A copy of the Certificate of Registration, (ii) A copy of Deed of Formation; and (iii) A copy of Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust. (iv) All other documents in terms of explanatory notes in clause 10 part I of IRSGCC 2020.	No	No	Not Allowed
1.4	Incase JV Firms are allowed to participate: JV firm should upload Memorandum of Understanding[MOU] as per the format attached as annexure to the tender in DOCUMENTS. Submission of all other documents by JV firm / Members of JV should also be as per Cl.No.17.14 of Part-I of IRSGCC-2020 and also below documents.	No	No	Not Allowed
1.4.1	In case one or more members is/are Proprietary Firm or HUF, the following documents shall be enclosed:A copy of notarized affidavit on Stamp Paper declaring that he who is signing the affidavit on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority , power and consent given by other members to act on behalf of HUF.	No	No	Not Allowed
1.4.2	In case one or more of the members of the JV is/are partnership firm(s), following documents shall be submitted:(a) A notarized copy of the Partnership Deed, (b) A copy of consent of all the partners or individual authorized by partnership firm, to enter into the Joint Venture Agreement on a stamp paper, (c) A notarized or registered copy of Power of Attorney (duly registered as per prevailing law) in favour of the individual to sign the MOU/JV Agreement on behalf of the partnership firm and create liability against the firm.	No	No	Not Allowed

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1.4.3	In case one or more members of the JV is/are companies, the following documents shall be submitted: (a) A copy of resolutions of the Directors of the Company, permitting the company to enter into a JV agreement, (b) The copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company . (c) A copy of Certificate of Incorporation . (d)A copy of Authorization/copy of Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender, sign MOU/JV Agreement on behalf of the company and create liability against the company.	No	No	Not Allowed
1.5	IN CASE THE TENDER VALUE MORE THAN RS. 50 LAKHS; The tenderers shall submit a copy of certificate stating that all their statements/ documents submitted along with bid are true and factual as per standard format as per Annexure V part I of IRSGCC 2020.Non submission of this certificate by the bidder shall result in summarily rejection of his/ their bid. It is a mandatory document.	No	No	Not Allowed
1.6	In case of Sole Proprietorship Firm the documents to be attached with the tender are: (i) An undertaking that he is not blacklisted or debarred by Railways or any other Ministry/Department of Govt of India from participation in tender on the date of opening of bids , either in individual capacity or a member of the partnership firm, or JV in which he was /is a partner/member, concealment /wrong information in regard to above shall make the contract vale liable for determination under Clause 62 of the General Conditions of Contract. (ii) All other documents in terms of explanatory notes in clause 10 part I of IRSGCC 2020.	No	No	Not Allowed
1.7	In case of tenderer is bidding on behalf of HUF the documents to be attached with the tender are : (i) A copy of notarized affidavit on Stamp Paper declaring that he who is submitting the tender on behalf of HUF is in the position of 'Karta' of Hindu Undivided Fami9ly (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF. (ii)An undertaking that the HUF is not blacklisted or debarred by Railways or any other Ministry/Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as member of JV in which the HUF was / is a member. Concealment/wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.(iv) All other documents interms of explanatory notes in clause 10 part I of IRSGCC 2020	No	No	Not Allowed
2	Uploading of Declaration regarding Employment of Retired Engineer/Retired Railway Officer as per clause no.16 of Part-I of IRSGCC 2020. [in the format attached in - Documents]. Note: Information as required as per clause 16 (a), (b) and (c) of part I of IRSGCC 2020, contract is liable to be dealt in accordance with provision of clause 62 of Standard General Conditions of contract	No	No	Not Allowed
3	Uploading of NEFT FORM - as per the format attached with the tender document.	No	No	Not Allowed
4	The list of personnel / organization on hand and proposed to be engaged for the tendered work.	No	No	Not Allowed
5	List of Plant & Machinery available on hand and proposed to be inducted and hired for the tendered work.	No	No	Not Allowed
6	Uploading of Statement Showing the particulars of Works on Hand & Works Completed as per the format attached to the tender document.	No	No	Not Allowed
7	Uploading of certificate by local suppliers in regard to meeting the Minimum Local Content requirement to avail benefits under Public Procurement Policy Order-2017 (A) for procurement order of value less than Rs. 10 crores: self-certificate in accordance with Para-9(a) of Public Procurement(Preference to Make in India) Order 2017. (B) For Procurement Order of value more than Rs. 10 crores, the certificate from Statutory auditor/cost auditor/practicing CA as the case may be in accordance with Para-9(b) of Public Procurement (Preference to Make in India) Order 2017.	No	No	Not Allowed

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)
2	Uploading of other relevant documents connected to the tender; such as Declaration regarding employment of Retired Engineer/ Retired Railway officer, NEFT Form, List of Personnel/Organization, List of Plant/machinery, Particulars of works on hand and completed (As per the formats attached in the list of Documents)etc.	No	No	Allowed (Optional)
3	IN CASE OF ADVERTISED TENDER VALUE IS MORE THAN RS. 20 CRORES: Bid capacity is applicable, the tenderers should submit proforma attached in DOCUMENTS. In case, the tenderer/s failed to upload BID CAPACITY PROFORMA along with offer, their/his offer shall be considered as incomplete and will be rejected summarily.	No	No	Allowed (Mandatory)
4	Following documents shall be enclosed	No	No	Not Allowed
4.1	In case of Sole Proprietorship Firm the documents to be attached with the tender are: (1) An undertaking that he is not blacklisted or debarred by Railways or any other Ministry/Department of Govt of India from participation in tender on the date of opening of bids , either in individual capacity or a member of the partnership firm, or JV in which he was /is a partner/member. concealment /wrong information in regard to above shall make the contract vale liable for determination under Clause 62 of the General Conditions of Contract. (ii) All other documents in terms of explanatory notes in clause 10 part I of IRSGCC 2020	No	No	Allowed (Mandatory)
4.2	In case of tenderer is bidding on behalf of HUF the documents to be attached with the tender are : (i) A copy of notarized affidavit on Stamp Paper declaring that he who is submitting the tender on behalf of HUF is in the position of 'Karta' of Hindu Undivided Fami9ly (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF. (ii)An undertaking that the HUF is not blacklisted or debarred by Railways or any other Ministry/Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as member of JV in which the HUF was / is a member. Concealment/wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.(iv) All other documents in terms of explanatory notes in clause 10 part I of IRSGCC 2020	No	No	Allowed (Mandatory)
4.3	In case the Tenderer is a Partnership Firm: [i] Partnership deed [ii]Power of Attorney (duly registered as per prevailing law) in favour of an individual to sign the tender documents and create liability against the Firm. [iii] PAN / TAN number of Partnership firm (PAN / TAN number in the name of any of the constituent partners shall not be considered)(iv)All other documents as mentioned under clause no.18 part I of IRSGCC 2020	No	No	Allowed (Mandatory)
4.4	In case the Tenderer is a LLP Firm registered under LLP Act-2008:(i) A copy of LLP Agreement, (ii) A copy of Certificate of Incorporation; and (iii) A copy of Power of Attorney/Authorisation issued by the LLP Firm in favour of the individual to sign the tender on behalf of the LLP Firm and create liability against the LLP. (iv) An undertaking that the LLP is not blacklisted or debarred by Railways or any other Ministry/Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as member of JV in which the LLP was / is a member. Concealment/wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract. (iv) All other documents interms of explanatory notes in clause 10 part I of IRSGCC 2020.	No	No	Allowed (Mandatory)

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4.5	In case the Tenderer is a Company registered under Companies Act-2013:(i) The copies of MOA (Memorandum of Association) and AOA (Articles of Association) of the company; ii) A copy of Certificate of Incorporation and (iii) A copy of Authorization/Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company (iv) An under taking that the Company is not blacklisted or debarred by Railways or any other Ministry/Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which the Company was/ is a partner/member. Concealment/wrong information in regard to above shall make the contract liable for determination under clause 62 of General Conditions of contract.(v) All other documents in terms of explanatory notes in clause 10 of part I of IRSGCC 2020.	No	No	Allowed (Mandatory)
4.6	In case the Tenderer is a Registered Society & Registered Trust: (i) A copy of the Certificate of Registration, (ii) A copy of Deed of Formation; and (iii) A copy of Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust. (iv) All other documents in terms of explanatory notes in clause 10 part I of IRSGCC 2020	No	No	Allowed (Mandatory)
4.7	Incase JV Firms are allowed to participate: JV firm should upload Memorandum of Understanding[MOU] as per the format attached as annexure to the tender in DOCUMENTS. Submission of all other documents by JV firm / Members of JV should also be as per Cl.No.17.14 of Part-I of IRSGCC-2020 and also below documents.	No	No	Allowed (Mandatory)
5	Uploading of other relevant documents connected to the tender; such as Declaration regarding employment of Retired Engineer/ Retired Railway officer, NEFT Form, List of Personnel/Organization, List of Plant/ machinery, (As per the formats attached in the list of Documents whatever attached and remaining in their own format to be submitted)etc	No	No	Allowed (Optional)
6	Bid capacity details and its relevant documents	No	No	Allowed (Mandatory)

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The General Conditions of Contract governing the performance of the works covered by this tender are the Indian Railway Standard General Conditions of Contract [IRSGCC] as amended from time to time up to date. A soft copy of the Indian Railway Standard General conditions of Contract is uploaded in the attached documents to the tender for reference. Hard copy of IRSGCC (with up-to-date correction slip) may be perused in the office of the Chief Administrative Officer/ Construction/ South Central Railway / Secunderabad - 500071. The tenderer/s is/are deemed to have kept himself/themselves fully Informed of the provisions of the IRS General conditions of Contract including all corrections and Amendments issued up to date while submission of offer and any claim that he/they is/are not aware of any amendment or correction slip to the IRSGCC shall not be entertained.	No	No	Not Allowed

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2	STUDY OF DRAWINGS AND LOCAL CONDITIONS: The drawings for the works can be seen in the office of the Chief Administrative Officer, Construction, S.C.Railway, Secunderabad - 500071 or in the office of the concerned field Deputy Chief Engineer / Construction / S.C.Railway . It should be noted that these drawings are meant for general guidance only and Railway may suitably modify them during the execution of work according to the circumstances without making the Railways liable for any claims on account of such changes. If there is any variation between the description in the tender and the detailed plans, the Engineer-in-Charge will operate the correct description and his decision is final and binding on the tenderer/ Contractor. The Tenderer/Contractor is required to inspect the sites of works and acquaint himself with the site conditions, availability of approaches for transporting of men and materials, space and other factors relating to the works, availability of labour, electricity and water, etc., before quoting his rates. The extent of lead and lift involved in the execution of works and any difficulties involved in the execution of work should also be examined before formulating the rates for complete items of works described in the schedule. The Tender submitted will be deemed to have been made after such inspection.	No	No	Not Allowed
3	DRAWINGS FOR WORKS: The percentage rates for the schedule items and itemized rates for the non-scheduled items quoted by the tenderer as may be accepted by the railways will, hold good irrespective of any changes, modifications, alterations, additions, omissions in the locations of structures and detailed drawings, specifications and/or the manner of executing the work. It should be specifically noted that some of the detailed drawings may not have been finalised by the Railway and will, therefore, be supplied to the contractor as and when they are finalised on demand. No compensation whatsoever on this account shall be payable by the Railway Administration. No claim whatsoever will be entertained by the Railway on account of any delay or hold up of the works arising out of delay in approval of drawings, changes, modifications, alterations, additions, omission and the site layout plans or detailed drawings and design and/or late supply of such material as are required to be arranged by the Railway or due to any other factor on Railway Accounts.	No	No	Not Allowed
4	Manual tenders, supporting documents etc., sent by Post/FAX/Courier or in Person SHALL NOT BE ACCEPTED.	No	No	Not Allowed
4.1	All requisite documents are to be properly submitted online only and the bidders should ensure that the content of the documents uploaded is distinctly legible/readable.	No	No	Not Allowed
5	CORRIGENDUM NOTICE ON IREPS: [I]Railway may modify the tender document by issuing online corrigendum through "www.ireps.gov.in" 15 days prior to the tender closing date. For the purpose of CORRIGENDUM in the tender, NIT period is splitted as under: (a) ADVERTISEMENT PERIOD: The time during which all information pertaining to tender shall be available but offers cannot be submitted (b) OFFER SUBMISSION PERIOD: 15 days prior to closing of tender, during which tenderers can submit their offer.	No	No	Not Allowed
6	If the Bid of a Tenderer is seriously unbalanced in relation to the Engineer's estimate of the cost of work to be performed under the contract, the Railways may require the tenderer to produce detailed price analysis for any or all items of the Tender Schedule, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed.	No	No	Not Allowed
7	Cost of tender document is non-refundable.	No	No	Not Allowed
8	Applicable for the tenders with eligibility criteria: The offer of Tenderer(s) who do not enclose Work Experience Certificate & Financial eligibility Certificate with requisite details, and supporting documents along with their Tender to establish their credentials shall be summarily rejected, even though they are working contractors or contractors on approved list.	No	No	Not Allowed
8.1	The offer shall be evaluated only from the certificates/documents submitted along with the tender offer.	No	No	Not Allowed
8.2	Any Certificate /Documents offered / submitted / received after the tender opening shall not be given any credit and shall not be considered.	No	No	Not Allowed
8.3	Attestation of documents may be self attested or attested by a Gazetted Officer.	No	No	Not Allowed
8.4	Railway reserves the right to verify the authenticity of the documents/information furnished.	No	No	Not Allowed

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9	TAXES: if rates of existing GST or cess on GST for Works Contract is increased or any new tax /cess on Works Contract is imposed by Statute after the date of opening of tender but within the original date of completion/date of completion extended under clause 17 & 17A of Part-II of IRSGCC-2020 and the Contractor thereupon properly pays such taxes/cess, the Contractor shall be reimbursed the amount so paid. Further, if rates of existing GST or cess on GST for Works Contract is decreased or any tax/cess on Works Contract is decreased / removed by Statute after the date of opening of tender, the reduction in tax amount shall be recovered from Contractor's bills/Security Deposit or any other dues of Contractor with the Government of India.	No	No	Not Allowed
10	This tender complies with PUBLIC PROCUREMENT POLICY ORDER-2017 dated 15.06.2017. Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	No	Not Allowed
11	The amount of Earnest Money Deposit (E.M.D.) to be paid as stipulated in NIT HEADER should be paid online only through the NET BANKING or PAYMENT GATEWAY FACILITY provided in the IREPS web portal. Any other mode of payment is not acceptable and any deviation from these instructions will render the offer invalid. Fixed Deposit Receipts(FDRs) submitted after award of tender towards Security Deposit/Performance Guarantee should be with automatic renewal facility only.	No	No	Not Allowed
12	Non-Submission of copy of certificate stating that all their statements/documents submitted along with true and factual as per standard format for tenders valuing more than Rs. 50 lakhs will lead to summarily rejection of offer.	No	No	Not Allowed
13	Tenderer(s) shall note that conditional/alternate offer will not be considered and will summarily be rejected, even though such condition makes them as the lowest tenderer.	No	No	Not Allowed
14	After opening of tender, any document pertaining to the constitution of the sole proprietorship Firm/Partnership Firm/ Registered Company/ Registered Trust/ Registered Society/ HUF etc. shall be neither asked nor considered, if submitted. Further, no suo moto cognizance of any document available in public domain (i.e, on internet etc) or in Railway's record/office files etc. will be taken for consideration of the tender, if no such mention is available in the tender offer submitted{As per clause no. 14(iv) Part I of IRSGCC 2020}	No	No	Not Allowed
15	As per clause no.5 part I of IRSGCC 2020 the details of exemptions/discount of Earnest Money payment is as follows:	No	No	Not Allowed
15.1	i) Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of earnest money deposit	No	No	Not Allowed
15.2	ii) 100% Govt owned PSUs shall be exempt from payment of earnest money deposit	No	No	Not Allowed
15.3	iii) Labour Cooperative Societies shall deposit only 50% of earnest deposit as mentioned in the tender	No	No	Not Allowed

Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Bidders should carefully read all the conditions and the Special Conditions alongwith Special Conditions - General & Technical, which are annexed to the tender document in the DOCUMENTS attached to the tender. These special conditions form part of the tender document and will supplement to the conditions of IRSGCC-2020 along with updated correction slips. Where the provisions of these special conditions are at variance with IRSGCC and other documents mentioned above, these Special Conditions shall prevail.	No	No	Not Allowed
2	MOBILISATION ADVANCE IS APPLICABLE FOR TENDERS OF VALUE RS. 25 CRORES OR ABOVE. as detailed in Special Conditions - General attached to the tender in DOCUMENTS	No	No	Not Allowed

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3	IN CASE OF ADVERTISED TENDER VALUE IS MORE THAN RS. 10 CRORES, JOINT VENTURE (JV) FIRMS ARE ALSO CONSIDERED FOR ELIGIBILITY.	No	No	Not Allowed
4	IN CASE OF ADVERTISED TENDER VALUE IS MORE THAN RS. 20 CRORES, The tender/technical bid will be evaluated based on bid capacity formula detailed as Annexure-VI of IRSGCC 2020. NOTE: i)The Tenderer(s) shall furnish the details of existing commitments and balance amount of ongoing works with tenderer as per the prescribed proforma of Railway for statement of all works in progress and also the works which are awarded to tenderer but yet not started upto the date of opening of tender. In case of no works in hand, a 'NIL' statement should be furnished. This statement should be submitted duly verified by Chartered Accountant.(ii) The available bid capacity of tenderer shall be assessed based on the details submitted by the tenderer. In case, the available Bid Capacity is lesser than estimated cost of work put to tender, his offer shall not be considered even if he has been found eligible in other eligibility criteria/tender requirement. (iii) In case, the tenderer/s failed to submit the above statement along with offer, their/his offer shall be considered as incomplete and will be rejected summarily.	No	No	Not Allowed
5	Price Variation Clause (PVC)(46A.1 of IRSGCC-2020) is applicable only for Tender value (NIT value) Rs.5.0 crs and more irrespective of the contract completion period.	No	No	Not Allowed
5.1	In this tender for calculation of Price Variation, the percentages of labour component, material component, fuel component etc is considered under the type of Engineering Contract of "Building Contracts"	No	No	Not Allowed
6	Issue/consideration of experience certificate of sub-contract	No	No	Not Allowed
6.1	Issue of sub-contract completion certificate: The work experience certificate can be issued to the sub contractor on successful completion of the portion of the work only after completion of work by the main contractor.	No	No	Not Allowed
6.2	Consideration of the sub contract work experience certificate :The work experience certificate issued to the sub-contractor by competent authority and submitted in response to tender invitation can be considered towards evaluation of eligibility criteria if the entire work awarded to the main contractor is completed in the qualifying period as mentioned in Technical Eligibility criteria.	No	No	Not Allowed
7	Rates of Earth work items: As per IRU standard specifications for formation works, Bridge works and P.Way works IRUSSOR 2019 & CPWD specifications 2019 for DSR 2018/19, the specification of GE:G-0014 has been superseded by RDSOs latest specification GE:IRS-0004. Accordingly, wherever GE:G-0014 is mentioned in item description, the same should be read as GE:IRS-0004 and work shall be executed as per GE:IRS-0004 specifications and no additional payment will be made in this regard.	No	No	Not Allowed
8	This work involves measurement of works by contractor (cost of tender is more than Rs. 5 crs). Contractor has to make his own arrangements for recording measurements from time to time. No additional payments will be in this regard.	No	No	Not Allowed

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed

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2	[1]I/We have read the various conditions of the tender attached hereto and hereby agree to abide by the said conditions. I/We also agree to keep this tender open for acceptance for the period mentioned in the tender document [NIT HEADER] from the date fixed for opening the same and in default thereof, I/We will be liable for forfeiture of my/our Earnest Money Deposit submitted. [2] I/We offer to do the work at the percentage rates quoted by me/us in the attached schedule and bind myself/ourselves to complete the work within the period of completion given in this tender document[NIT HEADER] from the date of issue of letter of acceptance of this tender. I/We also hereby agree to abide by the IRS GCC and Special Conditions of contract and to carry out the works according to the IRU Standard Specifications for formation works, Bridge works and P.Way Works 2019 laid down by Indian Railway, CPWD Specifications 2018 for Horticulture, Land scaping and CPWD Specifications 2019 Volume 1 and Volume 2 laid down by Central Public Works Department, New Delhi for the present contract. [3]. The full value of the earnest money paid shall stand forfeited without prejudice to any other rights or remedies of the railway if [a]I/We do not submit the Performance Guarantee within the time specified in the Tender document; [b] I/We do not execute the contract document within seven days after receipt of notice issued by the Railway that such documents are ready: and [c] I/We do not commence the work within fifteen days after receipt of orders to that effect. [4]. Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.	No	No	Not Allowed
3	I/We fail to submit the requisite Performance Guarantee [P.G] in the prescribed format even after 60 (Sixty days) from the date of issue of Letter of Acceptance, we are aware that the contract shall be terminated duly forfeiting EMD and other dues, if any payable against the contract. Also, I/We shall be debarred from participating in the retender for this work. In addition necessary action will be taken as per Railway Board letter no.2020/CE-I/CT/3E/GCC/Policy dated 30.12.20 issued in this regard.	No	No	Not Allowed
4	I/We understand that no post-tender correspondence will be entertained, however, if any clarification is required by the Railway, the same will be sought from the tenderer. Also, I/We are aware that any Certificate/ Documents offered after the tender opening shall not be given any credit and shall not be considered.	No	No	Not Allowed
5	I/we do hereby solemnly affirm and state on behalf of the tenderer including its constituents as under:	No	No	Not Allowed
5.1	[i] I/We the tenderer(s) am/are signing this document after carefully reading the contents. [ii]I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.[iii]I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us. [iv] I/We declare and certify that I/We have not made any misleading or false representation in the documents, forms, statements attached in proof of the qualification requirements. [v] I/We also understand that my/our offer will be evaluated based on the documents/credentials uploaded along with the offer and the same shall be binding upon me/us. [vi] I/We declare that the information and the documents attached alongwith the tender by me/us are correct and I/We are fully responsible for the correctness of the information and the documents submitted by us.	No	No	Not Allowed
5.2	I/We understand that, if any of the certificates regarding eligibility criteria submitted by us are found to be forged / false / incorrect will lead to banning of business with the tenderer/all the partners in case of partnership firm/all the members of a JV in case of a Joint Venture on entire Indian Railways for 5 years. i) if it is found during the process of evaluation of tender, it shall lead to forfeiture of the EMD, and my/our offer shall be summarily rejected. ii) If it is found after the award of the contract, it will lead to termination of contract along with forfeiture of EMD/SD and PG besides any other action provided in the contract.	No	No	Not Allowed

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6	It is certified that I/We have not been blacklisted or debarred by railways or any other ministry/department/public sector undertaking of the government of India/State Government from participation in tenders/contract on the date of opening of bids, EITHER in their individual capacity or in any firm in which we are/were partners or as a member of JV firm in which I/We were/are members. I/We understand if above declaration found to be false/incorrect at any time during process of evaluation of bid or after the award of contract, will lead to determination under Clause 62 of the General Conditions of Contract.	No	No	Not Allowed
7	I/We indemnify and save harmless the Railway from and against all actions, suit proceedings losses, costs, damages, charges, claims and demands of every nature and description brought or recovered against the Railways by reason of any act or omission of the Contractor, his agents or employees, in the execution of the works or in his guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the actual loss or damage sustained, and whether or not any damage shall have been sustained.	No	No	Not Allowed
8	I/We are aware that: Should the Railway decide to negotiate with a view to bring down the rates, the tenderer called for negotiations should furnish the following form of declaration before commencement of negotiations. I/We ----- do declare that in the event of failure of contemplated negotiations relating to Tender No., dt..... Item No. opened on dt:..... my original tender shall remain open for acceptance on its original terms and condition. I also declare that I am aware that during this negotiations, I cannot increase the originally quoted rates against any of the individual items and that in the event of my doing so the same would not be considered at all i.e., reduction in rates during negotiation alone would be considered and for some items if I/we increase the rates, the same would not be considered and in lieu my originally quoted rates alone would be considered and my offer would be evaluated accordingly. I/We are also aware that the validity of such negotiated offer will be 30 days from the date of negotiations or the validity of original offer, whichever is later.	No	No	Not Allowed
9	17 C of part-II of IRSGCC 2020: Bonus for Early Completion of Work: In case of open tenders having value more than Rs 20 crore and original period of completion 12 months or more, when there is no reduction in original scope of work by more than 10%, and no extension granted on either railway or Contractor's account, Contractor shall be entitled for a bonus of 1% for each 30 days early completion of work. The period of less than 30 days shall be ignored while working out bonus. The maximum bonus shall be limited to 3% of original contract value. The completion date shall be reckoned as the date of issuance of completion certificate by engineer.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	FormatforBankGuarantee11.10.2019ver-2.pdf	Format for Bank Guarantee 11.10.2019 ver-2
2	MOUFormatforJVfirms_1.pdf	MOU for JV firms
3	SplconsTechnicalforBldgsworkePFworksWorkshopsFOB-COPworks.-25.03.21Ver3.pdf	Spl conditions Technical for Bldgs works-PF works-Work shops and FOB-COP works - 25.03.21 Ver 3
4	SpecialConditions-Measurementofworksbycontractor28.08.21-Ver-1.pdf	Spl conditions Measurement of works by Contractor 28 08 21 ver 1
5	IRGCC2020withcorrectionslips.pdf	IRGCC2020 with Correction slips
6	DETAILSOFPERSONNEL,PLANTANDMACHINERYWORKSONHANDFORMATS.pdf	DETAILS OF PERSONNEL, MACHINERY WORKS ON HAND FORMAT

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7	EMPLOYMNTOFRETIREDRAILWAYOFFICERSCERTIFICATEFORMAT.pdf	RETIRED RAILWAY OFFICIALS EMPLOYMENT FORMAT
8	NEFTFORM.pdf	NEFT FORM
9	PublicProcurementPolicy-2017.pdf	PUBLIC PROCUREMENT 9PREFERENCE TO MAKE IN INDIA0 ORDER - 2017
10	ParticularsofWorkandMilestoneforBuildings.pdf	Particulars of work
11	MH-SPECIALCONDITIONSGENERALwithGCC-2020.pdf	MH Special conditions
12	ProformaforBidCapacity.pdf	bidcapacity
13	AGTFormatforJVfirms17.01.2019.pdf	AGREEMENT FORMAT for JV Firms
14	AFFIDAVITformat.pdf	A F F I D A V I T

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: VANKANA KANAKA SAILESH

Designation : Dy.CEC-G1-SC