

**CAO-CN-ERS-ENGINEERING/SOUTHERN RLY  
TENDER DOCUMENT**

**Tender No:** 14-CE-CN-ERS-2026-OT

**Closing Date/Time:** 20/07/2026 15:00

**Chief Engineer, Construction, Ernakulam Jn** acting for and on behalf of The President of India invites E-Tenders against Tender No **14-CE-CN-ERS-2026-OT** Closing Date/Time 20/07/2026 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.

**1. NIT HEADER**

<b>Name of Work</b>	Proposed construction of New Railway Health Unit (G+1) at Ernakulam Jn ,proposed finishing and balance works of SSE/Pway , S&T building and Yard,P Way Depot Building,Stores sheds and yard etc. at Ernakulam Junction station in connection with Re-development of Ernakulam Junction station.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	20/07/2026 15:00	<b>Date Time Of Uploading Tender</b>	26/06/2026 16:07
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	89386068.88	<b>Tendering Section</b>	TENDER
<b>Bidding Style</b>	Single Rate for Each Schedule	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	1787700.00	<b>Validity of Offer ( Days)</b>	60
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	12 Months
<b>Contract Type</b>	Works - General	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	06/07/2026		
<b>Are JV allowed to bid</b>	No	<b>Number of JV Member Allowed</b>	0
<b>Are Consortium allowed to bid</b>	No	<b>Number of Consortium Member Allowed</b>	0
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () A-Provides for the items of works that are covered by CPWD DSR 2023 with all correction slips issued up to date.</b>							43904459.18	Above/ Below/Par
1	Please see Item Breakup for details.				43904459.18	AT Par	43904459.18	
	<b>Description:-</b> For building works including earthwork, concrete work, RCC, works, wood work, structural steel work, flooring, roofing, finishing & other miscellaneous works.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () B-Provides for the items of works that are covered by CPWD DSR 2023 with all correction slips issued up to date.</b>							14050504.70	Above/ Below/Par
2	Please see Item Breakup for details.				14050504.70	AT Par	14050504.70	
	<b>Description:-</b> For building piling work including testing.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () C-Provides for items of works that are not covered by the Southern Railway USSOR 2021/CPWD DSR 2023.</b>							2359059.00	Above/ Below/Par
3	Please see Item Breakup for details.				2359059.00	AT Par	2359059.00	
	<b>Description:-</b> For tiling work, sanitary work, man holes, septic tank, soak pit and miscellaneous works.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit

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<b>Schedule</b> () D-Provides for the items of works that are covered by CPWD DSR 2023 with all correction slips issued up to date.				29072046.00	Above/ Below/P ar
4	Please see Item Breakup for details.	29072046.00	AT Par	29072046.00	
<b>Description:-</b> For supply of reinforcement steel.					

**3. ITEM BREAKUP**

<b>Schedule</b>	Schedule A-Provides for the items of works that are covered by CPWD DSR 2023 with all correction slips issued up to date.					
<b>Item- 1</b>	For building works including earthwork, concrete work, RCC, works, wood work, structural steel work, flooring, roofing, finishing & other miscellaneous works.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	2.0	<b>EARTH WORK</b>				
	2.1S	<b>General</b>				
	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge.				
1	2.6.1	All kinds of soil	cum	192.9	177.5	34239.75
	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
2	2.8.1	All kinds of soil.	cum	1671	260.3	434961.3
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	cum	192.9	196	37808.4
4	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	873.28	2123.75	1854628.4
	4.0	<b>CONCRETE WORK</b>				
	4.1S	<b>CEMENT CONCRETE (CAST IN SITU)</b>				
	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
5	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	87	7294.7	634638.9
6	4.1.5A	1:3:6 (1 Cement : 3 manufactured sand derived from Recycled Concrete Aggregate (RCA) : 6 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) )	cum	382	6347.75	2424840.5
7	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	186.79	6812	1272413.48
	4.10S	<b>DAMP-PROOF COURSE</b>				

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8	4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).	Sqm	100.2	495.75	49674.15
	4.14S	MISCELLANEOUS				
9	4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	88.6	749.3	66387.98
	5.0	REINFORCEMENT CEMENT CONCRETE				
	5.1S	CAST IN SITU				
	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
10	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	179.95	9045.75	1627782.71
	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
11	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	2.27	10852.95	24636.2
12	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	3.47	11505.5	39924.09
	5.9S	FORM WORK				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
13	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	3444.11	392.15	1350607.74
14	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	961.88	927.25	891903.23
15	5.9.5	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	752.2	736.4	553920.08
16	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	506.02	961.3	486437.03
17	5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	30.72	764.95	23499.26
	5.9.16	Edges of slabs and breaks in floors and walls				
18	5.9.16.1	Under 20 cm wide	Metre	168	208.55	35036.4
	5.33S	DESIGN MIX CONCRETE				

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	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.:				
	5.33.1	All works upto plinth level				
19	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	115	9504.75	1093046.25
20	5.33.1.2	Concrete of M30 grade with minimum cement content of 350 kg /cum	cum	52.99	9655.7	511655.54
21	5.33.1.3	Concrete of M55 grade with minimum cement content of 370 kg /cum	cum	48	9806.7	470721.6
22	5.33.1.4	Concrete of M40 grade with minimum cement content of 390 kg/cum	cum	70.2	9957.65	699027.03
	5.33.2	All works above plinth level upto floor V level				
23	5.33.2.2	Concrete of M30 grade with minimum cement content of 350 kg /cum	cum	248.81	10011.35	2490923.99
24	5.33.2.4	Concrete of M40 grade with minimum cement content of 390 kg /cum	cum	15.5	10313.3	159856.15
	6.0	MASONRY WORK				
	6.26S	EXPOSED BRICK WALL				
25	6.38	Providing and laying Autoclaved Aerated Concrete (AAC) blocks masonry 100 mm / 125 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS: 2185 (Part 3) in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.	cum	31.52	10195.45	321360.58
26	6.47	Providing and laying Autoclaved Aerated Concrete (AAC) blocks masonry with 150 mm to 300 mm thick with Grade -1 AAC blocks of density 551 to 650 kg/cum conforming to IS: 2185 (Part 3) 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).	cum	135.09	8333.65	1125792.78
	8.0	CLADDING WORK				
	8.20S	STONE WORK DRY CLADDING				
27	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	371.18	1267.95	470637.68

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	9.0	WOOD AND P.V.C. WORK				
	9.1S	FRAMES AND TRUSSES				
	9.1	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).				
28	9.1.1	Second class teak wood	cum	.12	142949.7	17153.96
	9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.				
	9.5.1	Second class teak wood				
29	9.5.1.1	35 mm thick shutters	Sqm	14.5	4111.95	59623.28
	9.40S	MISCELLANEOUS-WOOD WORK				
	9.48	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.				
30	9.48.2	Fixed to openings /wooden frames with rawl plugs screws etc.	Kg	1661.79	238.35	396087.65
31	9.53	Providing 40x5 mm flat iron hold fast 400 mm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 300x100x150 mm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Each	52	228.85	11900.2
	9.70S	STAINLESS STEEL FITTINGS				
	9.71	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :				
32	9.71.2	100x60x2.50 mm	Each	232	106.35	24673.2
	9.72S	BRASS FITTINGS				
	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
33	9.74.1	250x10 mm	Each	22	441.6	9715.2
34	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each	6	854.65	5127.9
	9.95S	ANODISED ALUMINIUM FITTINGS (ALL FITTINGS SHALL BE ISI MARKED)				
	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
35	9.96.2	250x16 mm	Each	22	260.6	5733.2
	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
36	9.97.2	250x10 mm	Each	122	115.15	14048.3

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37	9.102	Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	Each	50	71.5	3575
	9.105S	<b>GYP SUM BOARD PARTITIONS</b>				
	9.105	Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/roll form G.I. sheet with zinc coating of 120 gms/sqm(both side inclusive),consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.				
38	9.105.4	66 mm overall thickness partition using 8 mm thick, double skin multipurpose cement board Type-B, Category-III as per IS: 14862 : 2000 reinforced with cellulose fibre manufactured through autoclaving process (High pressure steam cured) with suitable fibre cement screws	Sqm	580.48	2062.85	1197443.17
39	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer- in-Charge.	Metre	80	492.7	39416



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	9.120	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2 ) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, panelling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.				
40	9.120.1	30 mm thick plain PVC door shutters	Sqm	20	3182.95	63659
41	9.121	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	Metre	99.15	570.95	56609.69
	9.122	Providing and fixing to existing door frames.				
42	9.122.2	30 mm thick Fiberglass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF)/Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in-charge.	Sqm	31.05	4488.95	139381.9
	10.0	STEEL WORK				
	10.15	General				
43	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	15750	117.35	1848262.5

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	10.16	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.				
44	10.16.1	Hot finished welded type tubes	Kg	3200	194.4	622080
45	10.17	Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete.	Each	50	226	11300
46	10.28	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, including 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.).	Kg	454.08	772.4	350731.39
	11.0	<b>FLOORING</b>				
	11.1S	<b>General</b>				
47	11.4	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	Sqm	760.86	978.45	744463.47
	11.41S	<b>VITRIFIED FLOOR TILES</b>				
	11.41	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.				
48	11.41.4	Size of Tile 1000x1000 mm	Sqm	812.88	2089.65	1698634.69



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	11.41A	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm 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. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
	11.41A.3	Glazed Vitrified tiles Matt/Antiskid finish of size				
49	11.41A.3.1	Size of Tile 600 x 600 mm	Sqm	432.52	1464.85	633576.92
	11.47	Providing and laying Vitrified 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 brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
50	11.47.2	Size of Tile 600x600 mm	Sqm	49.01	1893.9	92820.04
51	11.47.4	Size of Tile 1000x1000 mm	Sqm	74.66	2433.4	181677.64
	11.48	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.				
52	11.48.2	Size of Tile 600x600 mm	Sqm	1018.33	309.05	314714.89
53	11.48.4	Size of Tile 1000x1000 mm	Sqm	848	174.5	147976
	11.49	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
54	11.49.3	Size of Tile 800x800 mm	Sqm	10	2060.75	20607.5
	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
55	11.56.1	Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	Sqm	111.67	4481.3	500426.77

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	12.0	ROOFING				
	12.1S	SHEET ROOFING				
	12.1	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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.				
56	12.1.3	0.63 mm thick with zinc coating not less than 275 gm/ m2	Sqm	735	1087.65	799422.75
57	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	Each	6	298.25	1789.5
	12.37S	RAIN WATER SPOUT AND PIPE				
	12.41	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.				
58	12.41.2	110 mm diameter	Metre	110	377.4	41514
	12.42	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.				
	12.42.1	Coupler				
59	12.42.1.2	110 mm	Each	20	136.15	2723
	12.42.5	Bend 87.5 degree				
60	12.42.5.2	110 mm bend	Each	20	150.35	3007
	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
61	12.43.2	110 mm	Each	60	371.3	22278
62	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Each	20	54.7	1094

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	12.45	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
63	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	Sqm	812.8	1355.8	1101994.24
	12.47	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8 mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovings incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.				
64	12.47.1	2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6" ) as specified	Sqm	65	1401.35	91087.75

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	12.52	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking 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.				
65	12.52.1	GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	Sqm	20.85	1902.95	39676.51

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	12.58	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking 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 galvanized 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.				
66	12.58.1	8 mm thick fully perforated calcium silicate board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with minimum compressive strength 225 kg/ sq. cm, bending strength 100 kg/sq. cm , of size 595x595 mm, having perforation of dia. 10 mm with minimum perforated area 18 % with non woven tissue on the back side, having an NRC ( Noise Reduction Coefficient) of 0.85, with 50 mm thick rockwool of 48 kg /cum backing.	Sqm	35.2	1789.45	62988.64
	12.65	Providing & fixing at all heights, levels and locations colour finish Aluminium alloy roofing sheets of alloy IS designation 31500, temper Hx8 conforming to IS 737 and dimensions as per IS code 2676 with characteristics of good formability and corrosion resistance. The profile sheets shall be fixed to truss members in slope or required pitch or curvature with Hex cap headed self drilling/tapping Stainless steel screws M6, 50 mm long with 3 mm EPDM seal washer etc. all inclusive of labour, scaffolding, T&P and sundries etc. complete as per directions of the Engineer-In-Charge. (Cost of truss/frame work shall be paid separately).				
67	12.65.1	0.56 mm, Aluminium Color coated troughed profile with center to center pitch of 200 mm, depth of 32 mm, overall profile width 1092 mm, cover width 1000 mm.	Sqm	240	1176.7	282408
	13.0	FINISHING				
	13.15	CEMENT PLASTER (IN FINE SAND)				

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	13.1	12 mm cement plaster of mix :				
68	13.1.1	1:4 (1 cement: 4 fine sand)	Sqm	3305.5	347.05	1147173.78
69	13.1.2	1:6 (1 cement: 6 fine sand)	Sqm	3586.44	333.35	1195539.77
	13.44S	EXTERIOR FINISHING				
	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
70	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	Sqm	1345.92	171.1	230286.91
	13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
71	13.48.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr/10 sqm	Sqm	7520.78	193.7	1456775.09
72	13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	Sqm	150.51	170.7	25692.06
	13.50	Applying priming coat:				
73	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	25	67.4	1685
	13.52	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.				
74	13.52.1	On steel work	Sqm	230	241.75	55602.5
75	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	1511.43	156.05	235858.65
	13.81	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
76	13.81.1	Old work (one or more coats)	Sqm	1800	62.7	112860
	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
77	13.99.1	One or more coats on old work	Sqm	50	102.8	5140
78	13.114	Melamine polishing on wood work (one or more coat).	Sqm	14.4	138.1	1988.64
	15.0	DISMANTLING AND DEMOLISHING				
	15.1S	General				
	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
79	15.2.1	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	cum	25	2434.25	60856.25
	15.7	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.				
80	15.7.4	In cement mortar	cum	5	2060.2	10301
	16.0	ROAD WORK				

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	16.49S	MISCELLANEOUS				
	16.57	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge.				
81	16.57.6	40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) and waste plastic additive @ 8% (percentage by weight of bitumen) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.	cum	25	12609.3	315232.5
82	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	150	972	145800
	16.78	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.				
83	16.78.3	With material conforming to Grade-III (size range 26.5 mm to 0.075 mm ) having CBR Value-20	cum	100	2808.55	280855
	16.91	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.				
84	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	Sqm	964.17	1091.5	1052391.56
	17.0	SANITARY INSTALLATIONS				
	17.1S	General				



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	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
85	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	14	8006.6	112092.4
	17.7	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:				
86	17.7.3	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	Each	15	2301.75	34526.25
87	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	Each	15	1034.8	15522
88	17.31	Providing and fixing 600x450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	15	1607.95	24119.25
	17.34	Providing and fixing toilet paper holder :				
89	17.34.1	C.P. brass	Each	15	803.7	12055.5
	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
90	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	14	708.95	9925.3
	18.0	WATER SUPPLY				
	18.75	C.P.V.C. PIPES				
	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, and 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 )				
91	18.7.4	32 mm nominal dia Pipes	Metre	66	518.75	34237.5
92	18.7.5	40 mm nominal dia Pipes	Metre	6	702.95	4217.7
	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
93	18.8.2	20 mm nominal dia Pipes	Metre	169	537.6	90854.4
94	18.8.3	25 mm nominal dia Pipes	Metre	88	627.25	55198

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	18.15S	BRASS FITTINGS				
	18.19	Providing and fixing gun metal non- return valve of approved quality (screwed end) :				
	18.19.1	25 mm nominal bore				
95	18.19.1.1	Horizontal	Each	6	591.4	3548.4
	18.31S	C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES				
96	18.48	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.	Per Litre	3000	11	33000
	18.49S	C.P. BRASS FITTINGS				
	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
97	18.51.1	15 mm nominal bore	Each	8	798.95	6391.6
	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
98	18.53.1	15mm nominal bore	Each	45	574.3	25843.5
	19.0	DRAINAGE				
	19.1S	STONE WARE PIPES AND FITTINGS				
	19.4	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 x 300 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:				
	19.4.1	100x100 mm size P type				
99	19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	7	2707.65	18953.55
	21.0	ALUMINIUM WORK				
	21.1S	General				
	21.1	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 / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately) :				
	21.1.1	For fixed portion				
100	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	2557.49	530.9	1357771.44
	21.1.2	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)				

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101	21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	436.56	598.6	261324.82
	21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminium 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.				
102	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	Sqm	20.13	1139.3	22934.11
	21.3	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):				
103	21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	111.24	1505.25	167444.01
104	21.3.3	With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm)	Sqm	110.1	1685.4	185562.54
	21.12	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge.				
105	21.12.2	Powder coated minimum thickness 50 micron aluminium tubular handle bar	Each	92	631.55	58102.6
106	21.13	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Each	70	528.85	37019.5
	22.0	<b>WATER PROOFING</b>				
	22.15	<b>General</b>				
107	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	406.9	617.05	251077.65

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108	22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:(a) after surface preparation, first layer of slurry of cement @ 0.488kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.	Sqm	1572.55	688.9	1083329.7
	26.0	NEW TECHNOLOGIES AND MATERIALS				
	26.41S	NEW TECHNOLOGY ITEMS				
	26.68	Providing and laying factory made Precast concrete solid blocks of 200 mm thickness of grade M10 made of C&D waste from approved manufacturer in foundation and plinth in:				
109	26.68.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	259.24	7387.25	1915070.69
	26.73S	PREFAB/PRECAST TECHNOLOGY				
	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceoseatory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In-Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately).				
110	26.86.5	Frame size 65 x 100 mm	Metre	33.6	1111.3	37339.68

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	26.87	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge.				
111	26.87.2	35 mm thick	Sqm	38.76	5015.35	194394.97
	26.88	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge.				
112	26.88.1	30 mm thick	Sqm	140.8	4764.2	670799.36
					<b>Total</b>	<b>43904459.18</b>
<b>Schedule</b>	Schedule B-Provides for the items of works that are covered by CPWD DSR 2023 with all correction slips issued up to date.					
<b>Item- 2</b>	For building piling work including testing.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	20.0	PILE WORK				
	20.1S	General				
	20.2A	Boring, providing and installation bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below pile cap, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. by Crawler mounted, telescopic boom hydraulic piling Rig all complete, including removal of excavated earth with all its lifts and leads(length of pile for payment shall be measured up to bottom of pile cap).				
1	20.2A.2	750 mm dia piles	Metre	1800	7758.75	13965750

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	20.6	Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform by Kentledge/Anchor piles method and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification and the direction of Engineer in-charge.				
	20.6.1	Single pile upto 50 tonne Safe capacity				
2	20.6.1.1	Initial test (Test Load 2.5 times the Safe capacity)	Per Test	1	54771.5	54771.5
3	20.9	Integrity testing of Pile using Low Strain/ Sonic Integrity Test/ Sonic Echo Test method in accordance with IS :14893 including surface preparation of pile top by removing soil, mud, dust & chipping lean concrete lumps etc. and use of computerised equipment and high skill trained personal for conducting the test & submission of results, all complete as per direction of Engineer-in-charge.	Per Test	26	1153.2	29983.2
					<b>Total</b>	<b>14050504.70</b>
<b>Schedule</b>	Schedule C-Provides for items of works that are not covered by the Southern Railway USSOR 2021/CPWD DSR 2023.					
<b>Item- 3</b>	For tiling work, sanitary work, man holes, septic tank, soak pit and miscellaneous works.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	1	Providing and laying Vitrified Glazed, Matt/Antiskid finish Tile 600 x 600 mm size on walls with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shades in all colours and shade including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness etc. complete as per direction of Engineer-In-Charge.	Sqm	190.00	1209.35	229776.50
2	2	Providing and fixing floor trap complete, including cost of cutting and making 100 mm inlet and 75 mm outlet as directed by Engineer-in-charge.	Each	3.00	385.00	1155.00
3	3	Providing and fixing 150mm diameter PVC pipes, including jointing of pipes & fittings with solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work with PVC 10 kg Pipes with supports and fittings as directed by Engineer-in-charge.	RM	241.00	1822.50	439222.50
4	4	Providing and fixing 110mm diameter PVC pipes, including jointing of pipes & fittings with solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work with PVC 10 kg Pipes with supports and fittings as directed by Engineer-in-charge.	RM	130.00	940.70	122291.00

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5	5	Providing and fixing 75mm diameter PVC pipes, including jointing of pipes & fittings with solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work with PVC 10 kg Pipes with supports and fittings as directed by Engineer-in-charge.	RM	44.00	482.00	21208.00
6	6	Providing and fixing 50mm diameter PVC pipes, including jointing of pipes & fittings with solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work with PVC 10 kg Pipes with supports and fittings as directed by Engineer-in-charge.	RM	32.00	296.50	9488.00
7	7	Providing and fixing Stainless Steel grating of approved quality as directed by Engineer-in-charge.	Each	20.00	324.50	6490.00
8	8	Providing and fixing 40mm Brass Ball valve of approved quality as directed by Engineer-in-charge.	Each	2.00	2756.50	5513.00
9	9	Providing and fixing 32mm Brass Ball valve of approved quality as directed by Engineer-in-charge.	Each	8.00	1300.50	10404.00
10	10	Providing and fixing 25mm Brass Ball valve of approved quality as directed by Engineer-in-charge.	Each	8.00	1145.00	9160.00
11	11	Providing and fixing 20mm Brass Ball valve of approved quality as directed by Engineer-in-charge.	Each	34.00	866.50	29461.00
12	12	Providing & fixing FRP Manhole cover 600x600mm-10T as directed by Engineer-in-charge.	Each	14.00	7226.00	101164.00
13	13	Providing & fixing FRP Manhole cover 900x900 mm-10T as directed by Engineer-in-charge.	Each	11.00	15120.00	166320.00
14	14	Providing and fixing SS soap Dish Holder as directed by Engineer-in-charge.	Each	14.00	780.00	10920.00
15	15	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube up to 1 metre long and quality & make as approved by Engineer - in - charge.	Each	14.00	1896.00	26544.00
16	16	Providing & fixing Manholes of size 900mmX900mm inside including Earth work Excavation up to 1.2m depth , PCC 1:4:8 of 10cm thk, 150mm thk RCC walls with 1:1.5:3 concrete with 12mm dia bars 120mm c/c in wall and raft with necessary holes, cutting & haunches and filling the gaps with necessary water proofing chemicals of approved make as directed by Engineer-in-charge. (FRP Manhole cover shall be paid extra)	Each	13.00	19320.00	251160.00
17	17	Providing & fixing Manholes of size 600mmX600mm inside including Earth work Excavation upto 1.2m depth , PCC 1:4:8 of 10cm thk, 150mm thk RCC walls with 1:1.5:3 concrete with 12mm dia bars 120mm c/c in wall and raft with necessary holes, cutting & haunches and filling the gaps with necessary water proofing chemicals of approved make by Engineer-in- charge. (FRP Manhole cover shall be paid extra)	Each	12.00	10700.00	128400.00
18	18	Supplying and fixing ready made cylindrical RCC septic tank of 2000 Litre capacity of approved make with M20 or higher grade concrete and wall thickness of not less than 60mm including excavation, back filling etc. complete all as per direction of Engineer-in-Charge.	Each	3.00	17500.00	52500.00



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19	19	Supplying and fixing ready made soak pits of approved make with M20 or higher grade concrete and wall thickness of not less than 60mm including excavation, back filling etc. complete all as per direction of Engineer-in-Charge.	Each	6.00	5000.00	30000.00
20	20	Providing Wall papers of good quality and Covering of walls with fit and finish Covering of walls with Wallpaper of minimum 280 GSM and finished wall surface must display absolutely zero lifting at the edges, no hollow spots, wrinkles, or air/paste bubbles. This item includes transportation, supply of labours, tools etc.	Sqm	140.00	1456.30	203882.00
21	21	Providing and fixing at all height WPC 18mm thickness wall paneling including providing and fixing to framework made of aluminium channel 25mm x 30mm including cutting brick work and fixing in cement mortar and making good the wall if required etc complete as per direction of Engineer-in-charge.	Sqm	140.00	3600.00	504000.00
					<b>Total</b>	<b>2359059.00</b>
<b>Schedule</b>	Schedule D-Provides for the items of works that are covered by CPWD DSR 2023 with all correction slips issued up to date.					
<b>Item- 4</b>	For supply of reinforcement steel.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	5.0	REINFORCEMENT CEMENT CONCRETE				
	5.22S	STEEL REINFORCEMENT				
	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
1	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	126700	107.85	13664595
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
2	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	142860	107.85	15407451
					<b>Total</b>	<b>29072046.00</b>

#### 4. ELIGIBILITY CONDITIONS

##### Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Financial Eligibility Criteria: The tenderer must have minimum average annual contractual turnover of V/N or "V" whichever is less; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per Annexure-VIB along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.	No	No	Allowed (Mandatory)
1.1	Bid Capacity: The tender/technical bid will be evaluated based on bid capacity formula detailed as Annexure-VI	No	No	Allowed (Optional)

##### Standard Technical Criteria

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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: (a)Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (b) Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (c)One similar work each costing not less than the amount equal to 60% of advertised value of the tender.(EXPERIENCE CERTIFICATE) The single similar work as defined in Tender Notice/Tender Document)	No	No	Allowed (Mandatory)
1.1	(i)In case of composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works 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 can also be considered for fulfilment of technical eligibility criteria. (ii)In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity. Any work or set of works shall be considered to be a separate component, only when cost of the component is more than 2 crore each.	No	No	Not Allowed
1.2	SUB SECTIONING ELIGIBILITY CRITERIA: [A]If, Sub-sectioning as indicated in the NIT has been done with a view to expedite the works and in view of the sub-sectioning, if eligible tenderer/firm becomes L-1 only in one tender, the tender will be awarded to the lowest eligible tenderer/firm. (OR) If the tenderer/firm becomes L-1 in more than one tender for the same nature of work invited for the same project in the same tender notice, then Evaluation of Tenderer/firm for his/its eligibility for award of all such tenders shall be done, duly considering the work experience of 35 percent of combined value of such tenders and Financial capability of 150 percent of combined value of such tenders, in which the tenderer/firm is L-1. [B] In case the tenderer is lowest in more than one tender under consideration, however, falls short of above sub-sectioning eligibility criteria, then the tenderer will be considered for awarding any of the work at the sole discretion of the Railways. The decision of the Railway will be final and binding on the tenderer	No	No	Not Allowed
1.3	Defination of Similar Work :- Any Civil Engineering work involving pile foundation	No	No	Not Allowed

**Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:**

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website <a href="http://www.ireps.gov.in">www.ireps.gov.in</a> . 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.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.

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8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.
9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

**Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.**

S.No.	Description
1	<b>Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.</b> Please submit a certificate in the prescribed format (please download the format from the link given below). 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. ( <a href="#">Click here</a> to download the Format of Self Certification)

## 5. COMPLIANCE

### Check Lst

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	ANNEXURE-XVI	No	No	Not Allowed

### Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Annexure IX Details of Bank Particulars.	Yes	Yes	Allowed (Mandatory)
2	Annexure XII Form -JV-1 Format for Power of Attorney for Authorised Signatory (if applicable in original or attested copy).	Yes	Yes	Allowed (Optional)
3	Annexure XIII Form -JV-2 Format for Power of Attorney to lead partner (if applicable in original or attested copy).	Yes	Yes	Allowed (Optional)
4	Annexure -XIV Form - JV-3 Format for Draft M.O.U. (if applicable).	Yes	Yes	Allowed (Optional)
5	Annexure XV Form - JV -4 Draft format for Agreement (in the required proforma in original if applicable).	Yes	Yes	Allowed (Optional)
6	Annexure-III Constitution of the Firm with required document copies i.e., Joint Venture / Partnership Deed(s), Incorporation of Company etc.,	Yes	Yes	Allowed (Optional)
7	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)

### General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Payment towards the Bid Security as indicated in the NIT header should be paid only through the E-Payment facility (i.e.) Net banking or Payment Gateway provided in the IREPS web portal.	No	No	Not Allowed
2	If the date of opening of tender is declared a holiday at a later date, the tenders will be opened on the next working day.	No	No	Not Allowed
3	Failure to furnish the Bid security exclusively for each work will result in offer becoming invalid.	No	No	Not Allowed

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4	Only one representative/tenderer is permitted to attend the tender opening, irrespective of number of tender documents submitted on a particular day of opening.	No	No	Not Allowed
5	Tenderers/Representatives are requested to attend the tender opening in time and also to keep their cell phones switched off while attending.	No	No	Not Allowed
6	Tenderer/representatives are not permitted to enter the premises after the prescribed time for opening of tenders (i.e. after 15.30 hrs). The tenderer who have participated in the tender can view the rates of all the tenderers after opening of tenders.	No	No	Not Allowed
7	Tenderers shall hold the offer open for acceptance for a minimum period of 60 days for single packet/90 days for two packet tenders from the date of opening of the tender	No	No	Not Allowed
8	All documents in support of fulfillment of eligibility criteria should be uploaded along with the tender. Tenders without documentary evidence in support of eligibility criteria will be summarily rejected. No post tender communication, in any form will be made or entertained, after opening of tenders. The tenderer shall have no claims in this regard.	No	No	Not Allowed
9	E-Tender Shall be rejected if it is not accompanied by Bid Security	No	No	Not Allowed
10	Unreleased EMD/Bid Security, if any, held with the Railway Administration, shall not be adjusted towards the Bid security to be remitted.	No	No	Not Allowed
11	If the Tenderer deliberately gives wrong information in his/their tender or creates/create circumstances for the acceptance of his/their tender, the Railway reserves the right to reject such tender at any stage. The entire Bid Security with Railway will be forfeited. In addition, may also lead to any other action provided in the contract including banning of business for a period of upto two year	No	No	Not Allowed
12	All terms and conditions in the tender documents are binding on the tenderers. Manual tenders sent by Post/FAX/Courier or in Person SHALL NOT BE ACCEPTED.	No	No	Not Allowed
13	Railway reserves the right to accept or reject any or all the tenders and to award the work in whole or in part without assigning the reason for any such action. The General Conditions of Contract governing the performance of the works covered by this tender are the Indian Railway Standard General Conditions of Contract as amended from time to time up to date. A soft of copy of the Indian Railway Standard General Conditions of Contract is uploaded in the annexed documents to the tender. Hard copy may be perused in the office of the Chief Administrative Officer/Construction/ Southern Railway/Ernakulam Jn-682016. In submitting his tender it would be deemed that the tenderer has kept himself fully informed of the provision of the IRS General Conditions of Contract including all corrections and Amendments issued up to date and claim that he is not aware of any amendment or correction slip to the IRS GCC shall not be entertained.	No	No	Not Allowed
14	The tenderers are advised to visit the site of work in their own interest and acquaint themselves with the site conditions and expected quantum of work. Tenderer should refer for Special Conditions General & Technical, which are attached to the tender document in Documents attached to the tender. These special conditions form part of the tender document and will supplement to the conditions of tender already submitted by the tenderer, IRSGCC-2014 along with updated correction slips, IRUSSR-2021. Where are provisions of these special conditions are at variance with IRSGCC and other documents mentioned above, these Special Conditions shall prevail.	No	No	Not Allowed

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15	Railway reserves the right to accept or reject any or all the tenders and to award the work in whole or in part without assigning the reason for any such action. The General Conditions of Contract governing the performance of the works covered by this tender are the Indian Railway Standard General Conditions of Contract as amended from time to time up to date. A soft of copy of the Indian Railway Standard General Conditions of Contract is uploaded in the annexed documents to the tender. Hard copy may be perused in the office of the Chief Administrative Officer /Construction/ Southern Railway/ Ernakulam Jn-682016. In submitting his tender it would be deemed that the tenderer has kept himself fully informed of the provision of the IRS General Conditions of Contract including all corrections and Amendments issued up to date and claim that he is not aware of any amendment or correction slip to the IRS GCC shall not be entertained.	No	No	Not Allowed
16	The tenderers are advised to visit the site of work in their own interest and acquaint themselves with the site conditions and expected quantum of work. Tenderer should refer for Special Conditions General & Technical, which are attached to the tender document in Documents attached to the tender. These special conditions form part of the tender document and will supplement to the conditions of tender already submitted by the tenderer, IRSGCC-2022 along with updated correction slips, IRUSSR-2021 Where are provisions of these special conditions are at variance with IRSGCC and other documents mentioned above, these Special Conditions shall prevail.	No	No	Not Allowed

**Special Conditions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	IN CASE OF ADVERTISED TENDER VALUE IS MORE THAN RS. 20 CRORES: Bid capacity is applicable, the tenderers should submit proforma attached in tender document. In case, the tenderer/s failed to upload BID CAPACITY PROFORMA and details along with offer, their/his offer shall be considered as incomplete and will be rejected summarily	No	No	Not Allowed
2	IN CASE OF ADVERTISED TENDER VALUE IS MORE THAN RS.50 CRORES, Electronic Reverse Auction (e-RA) method will be applicable as per guide lines issued by Railway Board vide Lr no. 2017/Trans/01/Policy/Pt-S Dt 28/3/2018.(Copy attached)	No	No	Not Allowed
3	MOBILISATION ADVANCE IS APPLICABLE FOR TENDERS OF VALUE MORE THAN RS. 50 CRORES AND ABOVE as detailed in tender document	No	No	Not Allowed

**Technical-Compliances**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Annexure-II Experience Certificate duly attested as per the proforma or proforma filled up and signed by the tenderer based on the details furnished in the certificate.	No	Yes	Allowed (Optional)
2	Annexure IV Statement of works on hand.	Yes	Yes	Allowed (Mandatory)
3	Annexure V List of Engineers/Personnel	No	Yes	Allowed (Mandatory)
4	Annexure VI Details of Machinery (minimum as specified in relevant technical conditions).	Yes	Yes	Allowed (Mandatory)
5	Annexure VII Form for reporting of Employment of Railway Officers.	Yes	Yes	Allowed (Optional)
6	Annexure X Proforma for No Middlemen	Yes	Yes	Allowed (Mandatory)
7	Affidavit as per ANNEXURE-XVI to be uploaded	Yes	Yes	Allowed (Mandatory)

**Undertakings**

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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
2	I/We have read the conditions of tender attached hereto and agree to abide by such conditions. I/We have perused the contract documents (i.e. General Conditions of Contract, Special Conditions and Indian Railways Unified Standard Specifications (2021), Southern Railway Specifications for Materials & Works (1969) and all other specifications and the Unified Standard Schedule of Rates of the Southern Railway, 2021, CPWD DSR specification 2019 Vol. I & 2 and various schedules (Annexures), and all other documents attached to this tender) and that I/We am/are fully aware that I/We will have to perform the contract if my/our tender is accepted subject to general conditions of contract aforesaid and also subject to the Contract Documents complete aforesaid. I/We offer to do the work at the rates shown in the Annexure annexed and hereby bind myself/ourselves to complete the work in the stipulated period as mentioned in the contract documents attached from the date of issue of letter of acceptance.	No	No	Not Allowed
3	I/We agree that 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
4	Bid security in the form of Online payment/Bank Guarantee shall stand deposited in case my/our tender is accepted and forfeited without prejudice to any other right or remedies available to the Railway if: a) I/We do not execute the Contract Documents within 7 [seven days] of receipt of information from Railway that such documents are ready; b) I/We do not furnish the necessary bank guarantee for the Performance Guarantee required for the work within 60 days of receipt of the Letter of Acceptance for the work, and c) I/We do not commence the work within 15 (fifteen) days after receipt of Letter of Acceptance for the work duly furnishing a programme for executing the work to the Railway for their approval.	No	No	Not Allowed
5	I/We also hereby agree to abide by the General and Special Conditions of Contract and to carryout the works according to the specification of materials and works laid down by Southern Railway in the Tender Documents. I/We also undertake to carry out the work in accordance with the said Specifications and Conditions of Contract, and to find and provide such of the materials (other than those to be supplied by the Railway) for, and to do all such things which in the opinion of the Engineer may be necessary for, or incidental to the construction, completion and maintenance thereof and to complete the whole of the said works in the tender documents in all respects, and hand them over to you or your representatives within the period specified; and to maintain the same for the period and in the manner provided in the Conditions of Contract.	No	No	Not Allowed
6	I/We offer to do the above work at the specific rates/percentage rates quoted by me/us in the subject schedule and bind myself/ourselves to complete the work within the completion period specified from the date of issue of letter of acceptance of this tender as per the milestone statement furnished in the scope of work/Letter of Acceptance and as per the agreed programme of work. As the Tenderer/Contractor is expected to adhere to the progress of work as per mile stone statement mentioned in the scope of work and in case I/We fail in achieving the mile stone and programme, I/We understand and agree that the contract is liable to be terminated at my/our fault and cost thereof, apart from penalties for the delays imposed at the discretion of the Engineer-in-Charge.	No	No	Not Allowed

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7	I/We uploaded the following documents as required as per the Tender Documents:- a) Partnership Deed Joint Venture Agreement details of consortium of firm (Annexure-III) etc. b) Power of Attorney. c) List of works executed year wise during the last three years along with their values. d) Credentials issued by the Department for whom the work was executed by the tenderer/s during the last three years (in the appropriate format). e) The documentary evidence from the employer/client showing the contractual amount received OR attested copy of the audited Financial Statements such as Trading, Profit and Loss Account OR Balance Sheet along with the certificate from the Chartered Accountant for the contractual amount received etc. f) Experience Certificate issued by the Department/other as permitted in the Tender Document (as shown in Annexure II). g) List of works on hand, their values and stage of completion (Annexure IV). h) List of engineering personnel employed for the work (Annexure V). i) Details of Plant and Machinery (Annexure VI). j) Reporting of employment of retired Gazetted Officers (Annexure VII). k) Declaration for employing no middle man (Annexure X).l) Ballast Test certificate (If Applicable)	No	No	Not Allowed
8	DECLARATION: I/We have examined and have no reservations to the Tender documents, including Addenda/Corrigenda issued by the Railway;	No	No	Not Allowed
9	DECLARATION: I/We declare that offer to execute all the Works in conformity with the Tender Documents;	No	No	Not Allowed
10	DECLARATION: I/We commit to submit Security Deposit and Performance Guarantee in accordance with the tender Documents, if my/our tender is accepted;	No	No	Not Allowed
11	DECLARATION: I/We commit to deploy minimum key personnel and equipments consistent with the stipulation in the relevant special conditions of the Tender Document, if my/our tender is accepted;	No	No	Not Allowed
12	DECLARATION: I/We commit to submit a detailed programme in conformity with the milestones and completion period prescribed in the Tender Documents and mile stone statements for all major activities and get these approved from the engineer prior to commencing work on such activities, and also understand that the work shall be executed as per the approved programme and the milestone statements without any deviations if my/our tender is accepted;	No	No	Not Allowed
13	DECLARATION: I/We commit to establish Testing Laboratory at the site of work with minimum Testing equipments indicated in the relevant specifications, if my/our tender is accepted; and further declare that	No	No	Not Allowed
14	DECLARATION: I/We declare that I/We am/are not banned from doing business with Railways;	No	No	Not Allowed
15	DECLARATION: I/We declare that I/We do not have any partners who are individuals or partners of firms banned from doing business with Railways;	No	No	Not Allowed
16	DECLARATION: I/We declare that I/We are not sister concerns/allied partners who were individuals or firms or partners of firms banned from doing business with Railways	No	No	Not Allowed
17	DECLARATION: I/We declare that I/we further understand and agree that if I/We were found during consideration of the tender to be a firm/individual or sister/allied concern or any individual or firms or partner of firms banned by the Ministry of Railways from doing business with Railways and ban is still in force, Earnest money deposit remitted by me/us will be forfeited in full;	No	No	Not Allowed
18	DECLARATION: I/We declare that if I/We were found during the course of execution of work to be an individual or firm or partner or firms or sister/allied concern of any individuals or firms banned by the Ministry of Railway from doing business with Railways and the ban is still in force, my/our security deposit and Performance Guarantee will be forfeited in full;	No	No	Not Allowed



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19	DECLARATION: I/We declare that if I/We are found to be individual or firm or partner of firm or sister/allied concern of any individuals or firms banned by the Ministry of railway from doing business with Railways during the consideration of tender or during the execution of work, I/We are liable to be banned from doing business for further periods to be specified by Railways;	No	No	Not Allowed
20	DECLARATION: I/We declare that for satisfying the eligibility conditions mentioned in the Tender Documents, I/We have uploaded copies of documents along with the tender in support of my/our claim of satisfying eligibility conditions. I/We understand that I/We have to produce the original documents if so demanded by the Railways. I/We understand that if any of the documents were found to be bogus at any stage, my/our earnest money deposit (before finalisation of tender) and/or security deposit and Performance Guarantee (after awarding work) will be forfeited in full and I/We are liable to be banned from doing business with Railways for any period to be specified by the Railways and also liable for legal proceedings against me/us.	No	No	Not Allowed
21	DECLARATION: I/We declare further that I/We have submitted full details of work on hand and progress thereon and I/We understand that if the information furnished by me/us were found to be false, my/our tender is liable to be rejected and Earnest money deposit in full is liable to be forfeited. If it is found to be false at any stage, I/We are liable to be banned from doing business with Railways for any period to be specified by Railways and also liable for legal proceedings against me/us.	No	No	Not Allowed
22	DECLARATION: Further I/We understand, agree and declare that you (Railway) are not bound to accept the lowest evaluated bid or any other bid that you may receive and I/We have no claim/demand whatsoever in this regard.	No	No	Not Allowed
23	DECLARATION: I hereby declare and commit that no agent, middleman or any intermediary has been, or will be, engaged to provide any services, or any other items of work related to the award and performance of this contract. I further declare and commit that no agency commission or any payment which may be construed as an agency commission has been, or will be, paid and that the tender price will not include any such amount.	No	No	Not Allowed

**Custom**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	It may please be noted that the supplier of goods and services for the said tender/agreement would be subject to GST Act and rules applicable from time to time and rate quoted in the tender is inclusive of GST.	Yes	No	Not Allowed

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	GCCUPTOacs10.pdf	GENERAL CONDITIONS OF CONTRACT
2	PARTABCWITHCS6102025.pdf	PART ABC
3	GERDSO2020PART1A.pdf	EARTHWORK 1
4	GERDSO2020PART1B.pdf	EARTHWORK 2
5	GERDSO2020PART2A.pdf	EARTHWORK 3
6	GERDSO2020PART2B.pdf	EARTHWORK 4
7	SpecialconditionofcontractTechnical-1-22.10.18Full.pdf	SPECIAL CONDITIONS OF CONTRACT
8	RlyBdletter.pdf	RAILWAY BOARD LETTER
9	pvcclause.pdf	PRICE VARIATION CLAUSE
10	MODELBANKGUARANTEE.pdf	MODEL BANK GUARANTEE
11	GCCACS11.pdf	GCC ACS 11
12	SCOPEOFWORK.pdf	SCOPE OF WORK

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13	LISTOFPLANS.pdf	LIST OF PLANS
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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:** SOUMYA S

**Designation :** Dy.CE/CN/G/ERS