

**SOLAPUR DIVISION-ENGG/CENTRAL RLY  
TENDER DOCUMENT**

**Tender No:** 19-2026-SrDENS

**Closing Date/Time:** 10/07/2026 15:00

**DRM/W/SUR** acting for and on behalf of The President of India invites E-Tenders against Tender No **19-2026-SrDENS** Closing Date/Time 10/07/2026 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>	[1]Provision of STP (50KLD) with UG tank, Water Supply Pipeline, Pump house & Waste water flow system at Railway Hospital, Solapur.[2] Sewage treatment plant (50 KLD) with UG tank, water pipe line & pump house at SDB under ADEN/KLBG.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	10/07/2026 15:00	<b>Date Time Of Uploading Tender</b>	18/06/2026 11:03
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	25402446.86	<b>Tendering Section</b>	SR.DEN/S
<b>Bidding Style</b>	Single Rate for Each Schedule Item	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	508100.00	<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>	26/06/2026		
<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 ( ) 1-Provision of STP (50KLD) with UG tank, Water Supply Pipeline, Pump house &amp; Waste water flow system at Railway Hospital, Solapur.</b>							7775118.53	
1	Please see Item Breakup for details.				10310460.85	(-) 24.59	7775118.53	Above/ Below/Par
	<b>Description:-</b> CPWD DSR 2023 ITEM							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule ( ) 2-NS ITEM(STP 50KLD with ETP 3KLD at Railway Hospital Solapur)</b>							5007840.00	
1	NS01	1.00	Each	5007840.00	5007840.00	AT Par	5007840.00	Rs.
	<b>Description:-</b> Supply, Design, Installation, Testing and Commissioning of compact, pre-fabricated Sewage Treatment Plant (STP) of 50 KLD capacity with inbuilt Effluent Treatment Plant (ETP) of 3 KLD capacity based on CHNR technology for hospital wastewater, complete in all respects as per specifications and as directed by Engineer-in-Charge. The system shall consist of CHNR bio-reactor with floating bio-media, tube settler, sludge collection system, 03 and Nono bobble formation tank, tertiary treatment units including Glass media and Irolox media Filter, and integrated 3 KLD ETP for treatment of clinical/OT/laboratory effluent, ensuring compact, modular, enclosed and odor-free installation. The item includes supply and installation of all electro-mechanical equipment, pumps,blowers, piping, valves, control panels, instrumentation, wiring, interconnections and all accessories required to achieve treated water quality conforming to MPCB norms. The scope also includes obtaining necessary MPCB approvals with documentation and statutory compliance for six (06) years, and operation & maintenance of the 50 KLD STP with 3 KLD ETP for three (03) years after commissioning, including manpower, consumables, chemicals, cleaning, preventive and breakdown maintenance, all lead and lift, transportation, taxes, duties and all incidental charges,complete.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit

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Schedule () 3-Sewage treatment plant (50 KLD) with UG tank, water pipe line & pump house at SDB under ADEN/KLBG.							10817125.80	
1	Please see Item Breakup for details.			14344418.25	(-) 24.59	10817125.80	Above/ Below/P ar	
	Description:- CPWD DSR 2023 ITEM							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 4-NS ITEM(STP 50KLD at Shahabad)							1802362.53	
1	NS311	1.00	Each	1802362.53	1802362.53	AT Par	1802362.53	Above/ Below/P ar
	Description:- Supply, Installation, testing & Commissioning of package sewage treatment plant having capacity 50 KLD Based on MBBR technology. The plant shall be semi automatics with central control panel full pre-suit wired and with all power and control cables to all pumps (standby arrangement and equipment's including all instrumentation. Dry run projection, level sensor other control and weather proof cover/shed for motors and controller with one year AMC.							

**3. ITEM BREAKUP**

<b>Schedule</b>	Schedule 1-Provision of STP (50KLD) with UG tank, Water Supply Pipeline, Pump house & Waste water flow system at Railway Hospital, Solapur.						
<b>Item- 1</b>	CPWD DSR 2023 ITEM						
<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>					
	2.15	<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	200	177.5	35500	
	2.7	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.					
2	2.7.1	Ordinary rock	cum	150	498.9	74835	
3	2.7.3	Hard rock (blasting prohibited)	cum	80	1432.95	114636	
4	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	150	196	29400	
	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	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	20	7878.5	157570	
	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :					
6	4.3.1	Foundations, footings, bases for columns	Sqm	50	392.15	19607.5	
	5.0	<b>REINFORCEMENT CEMENT CONCRETE</b>					
	5.1S	<b>CAST IN SITU</b>					

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	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 :				
7	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	20	9045.75	180915
	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 :				
8	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	10	10852.95	108529.5
	5.9S	FORM WORK				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
9	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	300	392.15	117645
10	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	300	842.5	252750
11	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	200	927.25	185450
12	5.9.5	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	125	736.4	92050
13	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	150	961.3	144195
14	5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	50	764.95	38247.5
	5.12S	PRE-CAST RCC				
15	5.12	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but , excluding cost of 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	30	10585.9	317577
	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.				
16	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	5000	107.85	539250
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
17	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	4000	107.85	431400
	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				
18	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	100	9504.75	950475
	5.33.2	All works above plinth level upto floor V level				
19	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	100	9860.4	986040
	6.0	MASONRY WORK				
	6.1S	General				
	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
20	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	30	7132.25	213967.5
	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
21	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	30	9105.95	273178.5
	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).				
22	9.1.1	Second class teak wood	cum	.5	142949.7	71474.85
	9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
23	9.20.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	9	3167.95	28511.55
	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
24	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	10	2392.65	23926.5
	9.105S	GYPSUM BOARD PARTITIONS				

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25	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	20	570.95	11419
	9.122	Providing and fixing to existing door frames.				
26	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	10	4488.95	44889.5
	10.0	<b>STEEL WORK</b>				
	10.1S	<b>General</b>				
27	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	1300	117.35	152555
28	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	500	133.7	66850
	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.				
29	10.26.1	M.S. tube	Kg	1000	196.8	196800
	11.0	<b>FLOORING</b>				
	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.				
30	11.41.2	Size of Tile 600x600 mm	Sqm	200	1553.45	310690
	12.0	<b>ROOFING</b>				
	12.37S	<b>RAIN WATER SPOUT AND PIPE</b>				
	12.37	Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement : 4 fine sand).				
31	12.37.1	Stone ware spout	Each	10	164.2	1642
	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.				

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32	12.41.2	110 mm diameter	Metre	100	377.4	37740
	13.0	FINISHING				
	13.1S	CEMENT PLASTER (IN FINE SAND)				
	13.1	12 mm cement plaster of mix :				
33	13.1.1	1:4 (1 cement: 4 fine sand)	Sqm	100	347.05	34705
	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
34	13.2.1	1:4 (1 cement: 4 fine sand)	Sqm	150	399.45	59917.5
	13.4S	CEMENT PLASTER (IN COARSE SAND)				
	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
35	13.5.1	1:4 (1 cement: 4 coarse sand)	Sqm	500	411.75	205875
	13.7S	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT				
	13.8	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix :				
36	13.8.2	1:4 (1 cement: 4 fine sand)	Sqm	800	477.9	382320
	13.37S	INTERIOR FINISHING				
	13.37	White washing with lime to give an even shade :				
37	13.37.1	New work (three or more coats)	Sqm	200	39.05	7810
	13.41	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
38	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	Sqm	800	185.65	148520
	13.44S	EXTERIOR FINISHING				
	13.44	Finishing walls with water proofing cement paint of required shade :				
39	13.44.1	New work (Two or more coats applied @ 3.84 kg/10 sqm)	Sqm	700	116.9	81830
	13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
40	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	600	193.7	116220
41	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	600	170.7	102420
42	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	150	156.05	23407.5
	16.0	ROAD WORK				
	16.1S	ROADS				
	16.3	Supplying and stacking at site.				
43	16.3.1	90 mm to 45 mm size stone aggregate	cum	10	2098.4	20984
44	16.3.10	Moorum	cum	200	768.25	153650
	18.0	WATER SUPPLY				
	18.7S	C.P.V.C. PIPES				

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	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 )				
45	18.7.3	25 mm nominal dia Pipes	Metre	260	401.55	104403
46	18.7.6	50 mm nominal dia Pipes	Metre	250	934.15	233537.5
	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work				
47	18.9.6	50 mm nominal dia Pipes	Metre	200	794.25	158850
48	18.9.8	80 mm nominal dia Pipes	Metre	100	2166.35	216635
	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. ( Internal work - Exposed on wall )				
49	18.10.1	15 mm dia nominal bore	Metre	100	366.4	36640
50	18.10.3	25 mm dia nominal bore	Metre	200	551.7	110340
51	18.10.6	50 mm dia nominal bore	Metre	200	1048.35	209670
	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
52	18.12.1	15 mm dia nominal bore	Metre	100	322.15	32215
53	18.12.3	25 mm dia nominal bore	Metre	200	467.75	93550
54	18.12.5	40 mm dia nominal bore	Metre	200	617.05	123410
55	18.12.6	50 mm dia nominal bore	Metre	200	762.15	152430
56	18.12.7	65 mm dia nominal bore	Metre	200	896.6	179320
57	18.12.8	80 mm dia nominal bore	Metre	100	1041.7	104170
	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
58	18.13.1	25 to 40 mm nominal bore	Each	20	911.9	18238
59	18.13.2	50 to 80 mm nominal bore	Each	20	1785.35	35707
60	18.14	Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid separately).	Each	10	812.3	8123
	18.15S	<b>BRASS FITTINGS</b>				
	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
61	18.17.1	25 mm nominal bore	Each	20	622.4	12448
62	18.17.4	50 mm nominal bore	Each	15	1026.65	15399.75
63	18.17.6	80 mm nominal bore	Each	15	2604.55	39068.25
	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
64	18.18.1	15 mm nominal bore	Each	15	406.85	6102.75
	18.19	Providing and fixing gun metal non- return valve of approved quality (screwed end) :				
	18.19.1	25 mm nominal bore				
65	18.19.1.1	Horizontal	Each	5	591.4	2957

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	18.19.4	50 mm nominal bore				
66	18.19.4.1	Horizontal	Each	5	1371.2	6856
	18.23S	C.I./DUCTILE IRON PIPES & SPECIALS				
	18.27	Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 :				
67	18.27.3	150 mm dia pipe	Metre	107	2037	217959
	18.31S	C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES				
68	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	10000	11	110000
	18.49S	C.P. BRASS FITTINGS				
	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
69	18.49.1	15 mm nominal bore	Each	7	506.8	3547.6
	18.59S	AIR VALVE & WATER METER (BULK TYPE)				
	18.59	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) :				
70	18.59.1	50 mm dia	Each	10	5748.8	57488
71	18.59.3	100 mm dia	Each	10	8893	88930
	18.60	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) :				
72	18.60.2	100 mm dia nominal bore	Each	20	5468.35	109367
	19.0	DRAINAGE				
	19.1S	STONE WARE PIPES AND FITTINGS				
	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
73	19.1.1	100 mm diameter	Metre	50	443.6	22180
	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
74	19.6.4	300 mm dia. R.C.C. pipe	Metre	100	994.3	99430
75	19.6.5	450 mm dia. R.C.C. pipe	Metre	50	1620.95	81047.5
	22.0	WATER PROOFING				
	22.1S	General				

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76	22.24	Providing and applying integral crystalline (dry shake) of hydrophilic in nature for water proofing treatment to the RCC structures like basement raft, foundation slab, sewage & water treatment plant slab, warehouses floor, parking structures and water tank base slab etc. sprinkled @0.60kg per sqm or higher as recommended by the manufacturer's specification over the lean concrete of above cited structures. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 85%, compared control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline dry-shake shall be capable of self-healing of cracks up to a width of 0.50 mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.	Sqm	236	309.6	73065.6
					<b>Total</b>	<b>10310460.85</b>
<b>Schedule</b>	Schedule 3-Sewage treatment plant (50 KLD) with UG tank, water pipe line & pump house at SDB under ADEN/KLBG.					
<b>Item- 1</b>	CPWD DSR 2023 ITEM					
<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	250	177.5	44375
	2.7	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
2	2.7.1	Ordinary rock	cum	200	498.9	99780
3	2.7.3	Hard rock (blasting prohibited)	cum	200	1432.95	286590
4	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	250	196	49000
	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	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	35	7878.5	275747.5
6	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	25	7294.7	182367.5

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	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
7	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	20	9895.2	197904
	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
8	4.3.1	Foundations, footings, bases for columns	Sqm	100	392.15	39215
	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 :				
9	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	20	9045.75	180915
	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 :				
10	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	10	10852.95	108529.5
	5.9S	FORM WORK				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
11	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	400	392.15	156860
12	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	400	842.5	337000
13	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	350	927.25	324537.5
14	5.9.5	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	250	736.4	184100
15	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	200	961.3	192260
16	5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	50	764.95	38247.5
	5.12S	PRE-CAST RCC				
17	5.12	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but , excluding cost of 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	30	10585.9	317577
	5.22S	STEEL REINFORCEMENT				

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	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
18	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	10500	107.85	1132425
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
19	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	8100	107.85	873585
	5.33S	DESIGN MIX CONCRETE				
	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				
20	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	70	9504.75	665332.5
21	5.33.1.2	Concrete of M30 grade with minimum cement content of 350 kg /cum	cum	50	9655.7	482785
	5.33.2	All works above plinth level upto floor V level				
22	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	80	9860.4	788832
23	5.33.2.2	Concrete of M30 grade with minimum cement content of 350 kg /cum	cum	60	10011.35	600681
	6.0	MASONRY WORK				
	6.1S	General				
	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
24	6.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	60	7370.65	442239
25	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	50	7132.25	356612.5
	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
26	6.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	30	9344.35	280330.5
27	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	30	9105.95	273178.5
	7.0	STONE WORK				
	7.1S	RANDOM RUBBLE MASONRY				
	7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :				
28	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	10	7311.25	73112.5
	9.0	WOOD AND P.V.C. WORK				
	9.1S	FRAMES AND TRUSSES				

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	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).				
29	9.1.1	Second class teak wood	cum	1	142949.7	142949.7
	9.7	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :				
	9.7.7	Float glass panes				
30	9.7.7.1	4 mm thick glass pane (weight not less than 10kg/sqm).	Sqm	10	2241.8	22418
31	9.12	Extra for providing frosted glass panes 4 mm thick (weight not less than 10 kg per sqm) instead of ordinary float glass panes 4 mm thick (weight not less than 10 kg per sqm) in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	Sqm	10	176.4	1764
	9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
32	9.20.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	10	3167.95	31679.5
	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
33	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	10	2392.65	23926.5
	9.105S	GYPSUM BOARD PARTITIONS				
34	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	25	570.95	14273.75
	9.122	Providing and fixing to existing door frames.				

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35	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	10	4488.95	44889.5
	10.0	<b>STEEL WORK</b>				
	10.1S	<b>General</b>				
36	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	700	117.35	82145
37	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	1500	133.7	200550
	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
38	10.25.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	Kg	500	123.6	61800
	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.				
39	10.26.1	M.S. tube	Kg	5000	196.8	984000
	11.0	<b>FLOORING</b>				
	11.37S	<b>CERAMIC GLAZED TILES</b>				
40	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	30	1096.55	32896.5
	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.				
41	11.41.2	Size of Tile 600x600 mm	Sqm	100	1553.45	155345
	12.0	<b>ROOFING</b>				
	12.37S	<b>RAIN WATER SPOUT AND PIPE</b>				
	12.37	Providing and fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement : 4 fine sand).				

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42	12.37.1	Stone ware spout	Each	10	164.2	1642
	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.				
43	12.41.2	110 mm diameter	Metre	100	377.4	37740
	13.0	FINISHING				
	13.1S	CEMENT PLASTER (IN FINE SAND)				
	13.1	12 mm cement plaster of mix :				
44	13.1.1	1:4 (1 cement: 4 fine sand)	Sqm	100	347.05	34705
	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
45	13.2.1	1:4 (1 cement: 4 fine sand)	Sqm	150	399.45	59917.5
	13.4S	CEMENT PLASTER (IN COARSE SAND)				
	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
46	13.5.1	1:4 (1 cement: 4 coarse sand)	Sqm	500	411.75	205875
	13.7S	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT				
	13.8	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix :				
47	13.8.2	1:4 (1 cement: 4 fine sand)	Sqm	800	477.9	382320
	13.37S	INTERIOR FINISHING				
	13.37	White washing with lime to give an even shade :				
48	13.37.1	New work (three or more coats)	Sqm	200	39.05	7810
	13.41	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
49	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	Sqm	200	185.65	37130
	13.44S	EXTERIOR FINISHING				
	13.44	Finishing walls with water proofing cement paint of required shade :				
50	13.44.1	New work (Two or more coats applied @ 3.84 kg/10 sqm)	Sqm	200	116.9	23380
	13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
51	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	500	193.7	96850
52	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	450	170.7	76815
53	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	125	156.05	19506.25
54	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	287	25.15	7218.05
	16.0	ROAD WORK				

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	16.1S	<b>ROADS</b>				
	16.3	Supplying and stacking at site.				
55	16.3.1	90 mm to 45 mm size stone aggregate	cum	10	2098.4	20984
56	16.3.10	Moorum	cum	150	768.25	115237.5
	18.0	<b>WATER SUPPLY</b>				
	18.7S	<b>C.P.V.C. PIPES</b>				
	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 )				
57	18.7.3	25 mm nominal dia Pipes	Metre	260	401.55	104403
58	18.7.6	50 mm nominal dia Pipes	Metre	250	934.15	233537.5
	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work				
59	18.9.6	50 mm nominal dia Pipes	Metre	200	794.25	158850
60	18.9.8	80 mm nominal dia Pipes	Metre	100	2166.35	216635
	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. ( Internal work - Exposed on wall )				
61	18.10.1	15 mm dia nominal bore	Metre	100	366.4	36640
62	18.10.3	25 mm dia nominal bore	Metre	200	551.7	110340
63	18.10.6	50 mm dia nominal bore	Metre	200	1048.35	209670
	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
64	18.12.1	15 mm dia nominal bore	Metre	100	322.15	32215
65	18.12.3	25 mm dia nominal bore	Metre	200	467.75	93550
66	18.12.5	40 mm dia nominal bore	Metre	200	617.05	123410
67	18.12.6	50 mm dia nominal bore	Metre	200	762.15	152430
68	18.12.7	65 mm dia nominal bore	Metre	200	896.6	179320
69	18.12.8	80 mm dia nominal bore	Metre	100	1041.7	104170
	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
70	18.13.1	25 to 40 mm nominal bore	Each	20	911.9	18238
71	18.13.2	50 to 80 mm nominal bore	Each	20	1785.35	35707
72	18.14	Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid separately).	Each	5	812.3	4061.5
	18.15S	<b>BRASS FITTINGS</b>				
	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
73	18.17.1	25 mm nominal bore	Each	10	622.4	6224
74	18.17.4	50 mm nominal bore	Each	10	1026.65	10266.5
75	18.17.6	80 mm nominal bore	Each	5	2604.55	13022.75

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	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
76	18.18.1	15 mm nominal bore	Each	11	406.85	4475.35
	18.19	Providing and fixing gun metal non- return valve of approved quality (screwed end) :				
	18.19.1	25 mm nominal bore				
77	18.19.1.1	Horizontal	Each	5	591.4	2957
	18.19.4	50 mm nominal bore				
78	18.19.4.1	Horizontal	Each	5	1371.2	6856
	18.23S	C.I./DUCTILE IRON PIPES & SPECIALS				
	18.27	Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 :				
79	18.27.3	150 mm dia pipe	Metre	60	2037	122220
	18.31S	C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES				
80	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	2000	11	22000
	18.49S	C.P. BRASS FITTINGS				
	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
81	18.49.1	15 mm nominal bore	Each	8	506.8	4054.4
	18.59S	AIR VALVE & WATER METER (BULK TYPE)				
	18.59	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) :				
82	18.59.1	50 mm dia	Each	10	5748.8	57488
83	18.59.3	100 mm dia	Each	5	8893	44465
	18.60	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) :				
84	18.60.2	100 mm dia nominal bore	Each	20	5468.35	109367
	19.0	DRAINAGE				
	19.1S	STONE WARE PIPES AND FITTINGS				
	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
85	19.1.1	100 mm diameter	Metre	50	443.6	22180
	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
86	19.6.4	300 mm dia. R.C.C. pipe	Metre	50	994.3	49715
87	19.6.5	450 mm dia. R.C.C. pipe	Metre	50	1620.95	81047.5
	22.0	WATER PROOFING				
	22.1S	General				

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88	22.24	Providing and applying integral crystalline (dry shake) of hydrophilic in nature for water proofing treatment to the RCC structures like basement raft, foundation slab, sewage & water treatment plant slab, warehouses floor, parking structures and water tank base slab etc. sprinkled @0.60kg per sqm or higher as recommended by the manufacturer's specification over the lean concrete of above cited structures. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 85%, compared control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline dry-shake shall be capable of self-healing of cracks up to a width of 0.50 mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.	Sqm	210	309.6	65016
<b>Total</b>					<b>14344418.25</b>	

**4. ELIGIBILITY CONDITIONS**

**Standard Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	10.2. Financial Eligibility Criteria: The tenderer must have minimum average annual contractual turnover 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)

**Standard Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	<p>10. Eligibility Criteria: 10.1 Technical Eligibility Criteria: (a) The tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:(i) Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii) One similar work costing not less than the amount equal to 60% of advertised value of the tender. (b) (1) In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&amp;T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:(i) Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or (iii) One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender. Note for b(1): Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components. (b)(2)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. (b) (3) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 of the Standard General Conditions of Contractor through subcontractor fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract or jointly i.e., partly himself and remaining through subcontractor, with prior approval of Chief Engineer in writing. However, if required in tender documents by way of Special Conditions, a formal agreement duly notarised, legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer for considering subletting of that scope of work towards fulfilment of technical eligibility. Such subcontractor must fulfill technical eligibility criteria as follows:The subcontractor shall have successfully completed at least one work similar to work proposed for subcontract, costing not less than 35% value of work to be subletted, in last 5 years, ending last day of month previous to the one in which tender is invited through a works contract. Note: for subletting of work costing up to Rs 50 lakh, no previous work experience of subcontractor shall be asked for by the Railway.</p>	No	No	Allowed (Mandatory)
1.1	<p>In case after award of contract or during execution of work it becomes necessary for contractor to change subcontractor, the same shall be done with subcontractor(s) fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract, with prior approval of Chief Engineer in writing. Note for Item 10.1: Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organisation, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of closing of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates. In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.</p>	No	No	Not Allowed

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1.2	Defination of Similar Work :- Any type of civil work viz. building and structure work, pipelines, underground and overhead tanks, foundation treatment works in any Railway embankment/cutting, any earthwork, cover over platform, bore wells, level crossing works including lifting barriers, cement concrete apron works, etc.	No	No	Not Allowed
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**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 www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
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.
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

### Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)
2	The work shall be maintained after completion for a period of 36[Thirty Six]Months or one monsoon whichever is later by the contractor and he shall make good any defects, imperfection shrinkages or faults which may appear at his own cost.	No	No	Not Allowed

### General Instructions

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be only exempted from payment of Bid Security. Labor Cooperative Societies shall submit only 50% of above Bid Security.	No	No	Not Allowed
2	Tenderers are abiding by the General Conditions of Contract (GCC) April-2022 & any statutory modification thereof and also abide to carry out the work accordingly.	No	No	Not Allowed
3	Tenderers are requested to visit the web site <a href="https://www.ireps.gov.in">https://www.ireps.gov.in</a> frequently till the closing date and time for any update.	No	No	Not Allowed
4	Tenderer should have to upload only exact & specific, clear and readable documents, irrelevant documents should not be uploaded, and documents uploaded once should not be repeated	No	No	Not Allowed
5	Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be only exempted from payment of Bid Security. Labor Cooperative Societies shall submit only 50% of above Bid Security.	No	No	Not Allowed
6	Tenderers are abiding by the General Conditions of Contract (GCC) April-2022 & any statutory modification thereof and also abide to carry out the work accordingly.	No	No	Not Allowed
7	Tenderers are requested to visit the web site <a href="https://www.ireps.gov.in">https://www.ireps.gov.in</a> frequently till the closing date and time for any update.	No	No	Not Allowed
8	Tenderer should have to upload only exact & specific, clear and readable documents, irrelevant documents should not be uploaded, and documents uploaded once should not be repeated	No	No	Not Allowed

**Technical-Compliances**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Special Condition for tenderers of works involving procurement and use of cement or steel : A) Cement - "Contractor shall procure the cement of the specified grade, conforming to relevant IS codes, manufactures in major cement plant, such as ultratech, ACC, GRASIM, Ambuja, JK, Birla etc." B)Steel - "The contractor shall procure the reinforcement steel (TMT Bars) and structural steel, as per IS-1786 and IS-2062 respectively, produced by Indigenous and Primary producers of steel having Integrated steel plants; such as SAIL, TISCO, RINL, JISCO, JINDAL. If any other primary producers of steel is to be used the same should meet all codal provisions.	No	No	Allowed (Optional)
2	Standard format of certificate to be submitted by the bidder is enclosed in document TENDER FORM (First Sheet) as Annexure-I. Non submission of above certificate by the bidder shall result in summarily rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested/digitally signed by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document.	No	No	Allowed (Mandatory)
3	To fulfill the standard financial criteria, the tenderers shall submit requisite information in Annexure-VIB (Format enclosed in document), along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet. The information supplied shall be substantiated by the data in the audited balance sheets and profit and loss accounts for the relevant years in respect of the bidder or all members constituting the bidder.	No	No	Allowed (Mandatory)

**Undertakings**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed
2	I have read the entire tender document including uploaded documents.	No	No	Not Allowed
2.1	I have read the entire Standard General Conditions of Contract-April - 2022 and its amendments / advanced correction slips including uploaded documents	No	No	Not Allowed
3	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed
4	I have read the entire tender document including uploaded documents.	No	No	Not Allowed
4.1	I have read the entire Standard General Conditions of Contract-April - 2022 and its amendments / advanced correction slips including uploaded documents	No	No	Not Allowed

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	01GCC-April-2022-2022-CE-I-CT-GCC-2022-POLICY-27.04.22.pdf	GCC April 2022
2	AnnexureVIB.pdf	Annexure VIB
3	10-RevisedGSTcirculardtd.05.07.2022.pd.pdf	GST Council letter
4	06-PCEcircular207.pdf	PCE Circular 207
5	07-PCEcir208.pdf	PCE Circular 208
6	Comprehisnsiveprocedureorderforworksitesafety_compressed.pdf	Additional Special Conditions
7	GCCACS11_compressed.pdf	Correction slip 11 of GCC April2022
8	08-CECircularno190.pdf	CE Circular 190
9	SPECIALCONDITIONOFSTP50KLDSTP_compressed.pdf	Special Conditions

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:** SOURAV KUMAR

**Designation :** Sr.DEN/South