

**BIKANER DIVISION-ENGINEERING/NORTH WESTERN RLY
TENDER DOCUMENT**

Tender No: 81-26-27

Closing Date/Time: 09/07/2026 15:00

DRM/Engineering acting for and on behalf of The President of India invites E-Tenders against Tender No **81-26-27** Closing Date/Time 09/07/2026 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

Name of Work	Replacement of 10 no quarters in lieu of abandoned quarters in various station colony at Bathinda, Sangaria, Dabli rathan under ADEN/Hanumangarh-I		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	09/07/2026 15:00	Date Time Of Uploading Tender	16/06/2026 15:12
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	44596821.62	Tendering Section	NORTH
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	891900.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	10 Months
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	25/06/2026		
Are JV allowed to bid	No	Number of JV Member Allowed	0
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () A-CPWD DSR 2023 items							42636205.82	Above/ Below/P ar
1	Please see Item Breakup for details.				1811035.00	5.47	1910098.61	
	Description:- All items of "Earth work" appearing in Chapter No. 02 of CPWD DSR (Amended up to date).							
2	Please see Item Breakup for details.				16882082.30	5.47	17805532.20	
	Description:- All items of "Concrete Work & Reinforced cement concrete" appearing in Chapter No. 04 & 05 of CPWD DSR (Amended up to date).							
3	Please see Item Breakup for details.				7127435.00	5.47	7517305.69	
	Description:- All items of "Masonry work" appearing in Chapter No. 06 of CPWD DSR (Amended up to date).							
4	Please see Item Breakup for details.				2178446.50	5.47	2297607.52	
	Description:- All items of "Flooring" appearing in Chapter No. 11 of CPWD DSR (Amended up to date).							
5	Please see Item Breakup for details.				4422572.50	5.47	4664487.22	
	Description:- All items of "Finishing" appearing in Chapter No. 13 of CPWD DSR (Amended up to date).							
6	Please see Item Breakup for details.				1620527.50	5.47	1709170.35	
	Description:- All items of "New Technologies and Materials" appearing in Chapter No. 26 of CPWD DSR (Amended up to date).							
7	Please see Item Breakup for details.				6382861.70	5.47	6732004.23	
	Description:- All items of "All other chapters" of CPWD DSR (Amended up to date) except mentioned above.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit

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Schedule () B-CPWD DSR Horticulture & Landscaping items							475390.00	Above/ Below/P ar
1	Please see Item Breakup for details.			439850.00	AT Par	439850.00		
	Description:- All items of "Horticulture & Landscaping" appearing in Chapter No. 02 of CPWD DSR Horticulture & Landscaping (Amended up to date).							
2	Please see Item Breakup for details.			35540.00	AT Par	35540.00		
	Description:- All items of "All other chapters" of CPWD DSR Horticulture & Landscaping (Amended up to date) except mentioned above.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () C-Non scheduled items							150166.80	Above/ Below/P ar
1	NS1	20.00	Each	7508.34	150166.80	AT Par	150166.80	
	Description:- Supplying, erecting and fixing precastconcrete reinforced bench with backrest. Bench shall consist of 2 nos. Lshaped base support in natural cementcolour of thickness 100 mm, backheight 1000 mm, front height 450mm, base width 620 mm and 5 nos.reinforced concrete planks in redcolour and size of 1500 x 100 x 50mm and 1 no. reinforced concrete plank of 150 x 200 x 50mm; manufactured byusing M-30 grade concrete &reinforced suitably; all parts to bejoined with galvanized nuts and boltsof suitable size. All bolts to be sealedafter assembly. Complete job to bedone as per directions of EngineerIncharge.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () D-Electrical (G) items							1335059.00	Above/ Below/P ar
1	NS1	250.00	Numbers	415.00	103750.00	AT Par	103750.00	
	Description:- Supply of material and wiring of LP/TP/FP/Ex. Fan point with 1.5sqmm PVC single core multi-stranded copper wire insulated concealed in stone/brick masonry wall in 19/20 mm PVC conduit with 1.5sqmm PVC wire insulated copper for earth wire 1-way / 2-way switch 5/6A as required and good quality ceiling rose, holder including connection. This item includes modular switch, modular ceiling rose, holder, PVC conduit and required chase as per site requirement.							
2	NS2	90.00	Numbers	300.00	27000.00	AT Par	27000.00	
	Description:- Supply and fixing 5/6A socket, modular 3-pin 230V including modular switch in the modular board and connection as per site requirement.							
3	NS3	90.00	Numbers	463.00	41670.00	AT Par	41670.00	
	Description:- Supply and fixing 15/16A socket, modular 6-pin 230V including modular switch in the modular board and connection as per site requirement.							
4	NS4	250.00	Numbers	184.00	46000.00	AT Par	46000.00	
	Description:- Supply and fixing 2 module modular switch board plate for fixing of modular switches - socket with sheet metal box of good quality concealed fixing of MS/PVC as per site requirement.							
5	NS5	50.00	Numbers	272.00	13600.00	AT Par	13600.00	
	Description:- Supply and fixing 4 module modular switch board plate for fixing of modular switches - socket with sheet metal box of good quality concealed fixing of MS /PVC as per site requirement.							
6	NS6	40.00	Numbers	476.00	19040.00	AT Par	19040.00	
	Description:- Supply and fixing 6 module modular switch board plate for fixing of modular switches -socket with sheet metal box of good quality concealed fixing of MS/PVC as per site requirement.							
7	NS7	40.00	Numbers	373.00	14920.00	AT Par	14920.00	
	Description:- Supply and fixing 8 module modular switch board plate for fixing of modular switches - socket with sheet metal box of good quality concealed fixing of MS /PVC as per site requirement.							
8	NS8	40.00	Numbers	454.00	18160.00	AT Par	18160.00	
	Description:- Supply and fixing 12 module modular switch board plate for fixing of modular switches - socket with sheet metal box of good quality concealed fixing of MS /PVC as per site requirement.							
9	NS9	1600.00	Metre	104.00	166400.00	AT Par	166400.00	
	Description:- Wiring of sub-main with 2x2.5 sqmm PVC insulated, single core, multi-stranded copper wire in PVC conduit concealed and 2.5sqmm PVC insulated, single core, multi-stranded copper wire for earth wire as per spec. This item includes wire, PVC conduit (25 MM) and chase as per requirement.							
	NS10	800.00	Metre	136.00	108800.00	AT Par	108800.00	

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10	Description:- Wiring of sub-main with 2x4 sqmm PVC insulated, single core, multi-stranded copper wire in PVC conduit concealed and 4.0 sqmm PVC insulated, single core, multi-stranded copper wire for earth wire as per spec. This item includes wire, PVC conduit (25 MM) and chase as per requirement.						
11	NS11	500.00	Metre	189.00	94500.00	AT Par	94500.00
11	Description:- Wiring of sub-main with 2x6 sqmm PVC insulated, single core, multi-stranded copper wire in PVC conduit concealed and 6.0 sqmm PVC insulated, single core, multi-stranded copper wire for earth wire as per spec. This item includes wire, PVC conduit (25 MM) and chase as per requirement.						
12	NS12	50.00	Numbers	34.00	1700.00	AT Par	1700.00
12	Description:- Fixing of LED tube light complete. (Fitting will be supplied by Railway)						
13	NS13	30.00	Numbers	27.00	810.00	AT Par	810.00
13	Description:- Fixing & commissioning of ceiling fan with nut bolt ensuring all safety aspects. Contractor is responsible for falling of fan within a period of 12 month.(Fan will be supplied by Railway.)						
14	NS14	30.00	Numbers	503.00	15090.00	AT Par	15090.00
14	Description:- Supply and fixing of modular (2 module) fan regulator electronic type 4-step or more (suitable for BLDC fan) as per specification.						
15	NS15	10.00	Numbers	262.00	2620.00	AT Par	2620.00
15	Description:- Supply, fixing and commissioning of Electronic bell, operating voltage 230 VAC. Bell should be of reputed make and as per tech. spec.						
16	NS16	5.00	Numbers	1474.00	7370.00	AT Par	7370.00
16	Description:- SITC of 4 meter length B Class 50 mm dia GI pipe earth station with digging pit & refilling with charcoal & salt. (As per specification)						
17	NS17	5.00	Numbers	645.00	3225.00	AT Par	3225.00
17	Description:- Construction & supply of earth pit CC furnished chamber 300 x 300 x 250 mm, 50 mm thick with CI/RCC earth pit cover 300 x 300 x 25 mm with lifting hooked in center.						
18	NS18	200.00	Metre	163.00	32600.00	AT Par	32600.00
18	Description:- Supply, laying and fixing of 25 x 5mm GI earth strip at 0.5 metre below ground level or on walls/poles / along pipes etc, including connection / termination with GI nut, bolt, washer etc. as required (jointing shall be done by overlapping and with 2 sets of GI nut bolt & spring washer spaced at 50 mm). Note:- Suitable GI saddles with screws shall be provided to secure earth strips run on walls /floors etc.						
19	NS19	5.00	Numbers	2242.00	11210.00	AT Par	11210.00
19	Description:- Supply and fixing of junction box size 390/388x305/304x170mm comprising of SMP/FRP material with rubber gasket, locking arrangement, zinc passivated earth bolt, etc. Make Sintex or similar with 4 no. aluminum busbar cap 200 Amp., suitable for 415 volt supply requirement. The box shall be fixed robustly with clamps at pole/ wall as per requirement. All the material should be of good quality.						
20	NS20	10.00	Numbers	7489.00	74890.00	AT Par	74890.00
20	Description:- Supply, installation, testing and commissioning of SPN DB 12 Way with suitable IP protection having 1 No. RCBO 40 Amp Cap., sensitivity 30 mA in the incoming and in outgoing 06 Nos. 10-32 Amp. SP MCB, 10 kA, 'C' curve, 10KA as required with bus bar, neutral bar and necessary wire sets. As per specification. MCB, RCBO and DB should be as per tech spec. and of same make.						
21	NS21	50.00	Numbers	451.00	22550.00	AT Par	22550.00
21	Description:- Supply and fixing of Modular mini MCB SP 25/ 32Amp, C series. Breaking capacity not less than 3 kA of reputed make.						
22	NS22	300.00	Metre	33.00	9900.00	AT Par	9900.00
22	Description:- Supply and drawing of twin core 16 sqmm PVC insulated multistrand aluminium conductor cable in existing MS conduit/in service pole as service mains with 8 swg GI wire outside conduit/casing, service pole, electric pole to service pole as earth wire.						
23	NS23	10.00	Numbers	1365.00	13650.00	AT Par	13650.00
23	Description:- Supply and fixing of single phase electronic meter 230 V, AC 50 Hz, 5-30 Amp. (As per specification)						
24	NS24	10.00	Numbers	1132.00	11320.00	AT Par	11320.00
24	Description:- Supply and fixing of double hinge type FRP outdoor meter box with transparent lid to accommodate one single/three phase, electronic kWh meter and one no DP/TP "C" series, 10 kA MCB upto 32 amp. similar to GSMB of Sintex or similar reputed make.						
	NS25	5.00	Numbers	11508.00	57540.00	AT Par	57540.00

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25	Description:- Supply & erection of 5 m high with double arm model no. BOP-5030 of Bajaj or similar, pole shaft material S355J0 or equivalent as per IS, hot dip galvanized steel octagonal pole with galvanized base plate of 200x200x12 mm, junction box with 6 Amp. MCB and stud terminals (for mounting inside the base compartment of pole), foundation bolt size 4x16mm dia. 600 mm in length including excavation and making foundation as per spec. and drawing. It shall be galvanized internally and externally by single dipping method. The pole and foundation shall be made as per specification and drawing attached as Annexure-I.						
26	NS26	15.00	Numbers	196.00	2940.00	AT Par	2940.00
	Description:- Fixing of Street light complete. (Fitting will be supplied by Railway)						
27	NS27	5.00	Numbers	220.00	1100.00	AT Par	1100.00
	Description:- Supplying, fixing and commissioning of street light fitting accessories e.g. GI pipe of suitable bore as per fitting, clamps, nuts, bolts, cable etc. as per instruction of site engineer.						
28	NS28	80.00	Metre	47.00	3760.00	AT Par	3760.00
	Description:- Supplying and drawing FR PVC insulated & unsheathed flexible 3 Core X 1.5sqmm PVC Unarmoured copper cable ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required.						
29	NS29	1.00	Numbers	7442.00	7442.00	AT Par	7442.00
	Description:- Supply, fabricate & fixing of Complete Street light control box with MCB, Toggle Switch, Contractor & Timer. As per specification.						
30	NS30	1000.00	Metre	23.00	23000.00	AT Par	23000.00
	Description:- Laying, testing, commissioning & transportation of LT cable in Air/ Pole/Pipe/Trench/wall/cable tray etc. with complete lugs/glands and transportation of cable etc. Note- Cable will be supplied by Rly. from main depot. As per specification.						
31	NS31	1500.00	Metre	69.00	103500.00	AT Par	103500.00
	Description:- Supply of HDPE pipe conforming to IS 4984:2016, 50 mm dia, wall thickness 3 mm, PN 6 under the road.						
32	NS32	1500.00	Metre	9.00	13500.00	AT Par	13500.00
	Description:- Laying of HDPE pipe conforming to IS 4984:2016, 50 mm dia, wall thickness 3 mm, under the ground/road. The work involves laying of HDPE pipe along with transportation.						
33	NS33	1500.00	Metre	42.00	63000.00	AT Par	63000.00
	Description:- Digging and filling of trench size 0.4 x 0.8 mtr as per spec. (trench work may be on kuchha/pucca land and all type of soil as per site requirement and without protective layer of brick) Surface of trench shall be made good in all respect and satisfaction of site engineer.						
34	NS34	50.00	Metre	149.00	7450.00	AT Par	7450.00
	Description:- Supply, laying and fixing of GI pipe medium "B" class (Blue) confirming to IS 1239 part-I for passing incoming and outgoing cable from ground through it size 38 mm dia. Pipe should be of reputed make and as per tech. spec.						
35	NS35	50.00	Metre	529.00	26450.00	AT Par	26450.00
	Description:- Laying of Spun/MS/GI/HDPE pipe 100mm to 200 mm by push through method in Railway yard/below track/Road.						
36	NS36	30.00	Numbers	2304.00	69120.00	AT Par	69120.00
	Description:- Supply, fixing, testing and commissioning of single phase, 230 volt, 50 Hz operating ventilation fan of 300 mm. sweep with louver shutters. Fan should be of reputed make and as per tech. spec.						
37	NS37	80.00	Numbers	1041.00	83280.00	AT Par	83280.00
	Description:- Supply and fixing of fancy light LED fitting / Mirror light fitting (3-5 watt) as per site requirement and approved by railway.						
38	NS38	10.00	Numbers	119.00	1190.00	AT Par	1190.00
	Description:- Supply and fixing of TV point as per site requirement.						
39	NS39	500.00	Metre	15.00	7500.00	AT Par	7500.00
	Description:- Supply and fixing of co-axial wire as per site requirement.						
40	NS40	1.00	Job	3512.00	3512.00	AT Par	3512.00
	Description:- Preparing / Supply of drawing in Auto CAD (Original + 2 copies) Jet Mat paper of 85/90 GSM showing proper wiring diagram of all electrical installations inside a quarter and power supply arrangement for the above quarters in colony as per site requirement						

3. ITEM BREAKUP

Schedule	Schedule A-CPWD DSR 2023 items					
Item- 1	All items of "Earth work" appearing in Chapter No. 02 of CPWD DSR (Amended up to date).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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	2.0	EARTH WORK				
	2.1S	General				
	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	1300	177.5	230750
2	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	400	196	78400
3	2.25A	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	cum	2050	700.5	1436025
	2.26	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.				
4	2.26.1	All kinds of soil	cum	450	126.8	57060
5	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	500	17.6	8800
					Total	1811035.00
Item- 2	All items of "Concrete Work & Reinforced cement concrete" appearing in Chapter No. 04 & 05 of CPWD DSR (Amended up to date).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	4.0	CONCRETE WORK				
	4.1S	CEMENT CONCRETE (CAST IN SITU)				
	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 :				
1	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	240	6812	1634880
	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 :				
2	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	9	9045.75	81411.75
3	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	10	11505.5	115055

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	5.9S	FORM WORK				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
4	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	800	392.15	313720
5	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	750	927.25	695437.5
6	5.9.5	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	1000	736.4	736400
7	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	500	961.3	480650
	5.9.16	Edges of slabs and breaks in floors and walls				
8	5.9.16.1	Under 20 cm wide	Metre	300	208.55	62565
	5.11	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured).				
9	5.11.1	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	Sqm	400	384.3	153720
	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.				
10	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	21400	107.85	2307990
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
11	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	48700	107.85	5252295
	5.23S	MISCELLANEOUS				
12	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	Metre	100	78.4	7840
	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				
13	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	215	9504.75	2043521.25
	5.33.2	All works above plinth level upto floor V level				
14	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	292	9860.4	2879236.8
15	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	Quintal	160	733.5	117360
					Total	16882082.30

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Item- 3	All items of "Masonry work" appearing in Chapter No. 06 of CPWD DSR (Amended up to date).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	6.0	MASONRY WORK				
	6.15	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:				
1	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	292	7132.25	2082617
	6.265	EXPOSED BRICK WALL				
	6.34	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :				
2	6.34.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	50	8962.35	448117.5
3	6.34.2	Cement mortar 1:6 (1 cement : 6 Coarse sand)	cum	390	8752.55	3413494.5
	6.45	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level				
4	6.45.2	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	Sqm	1070	1105.8	1183206
					Total	7127435.00
Item- 4	All items of "Flooring" appearing in Chapter No. 11 of CPWD DSR (Amended up to date).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	11.0	FLOORING				
	11.15	General				
	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
1	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	Sqm	200	614.2	122840
	11.165	TILE FLOORING				
	11.16	Precast terrazzo tiles 22 mm thick with graded marble chips of size upto 12 mm, laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement:4 coarse sand) :				
2	11.16.4	Ordinary cement without any pigment	Sqm	300	1386.8	416040
	11.18	Precast terrazzo tiles 22 mm thick with graded marble chips of sizes upto 12 mm, in skirting and risers of steps not exceeding 30 cm in height, on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand), jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of :				
3	11.18.4	Ordinary cement without any pigment	Sqm	50	2229.15	111457.5
	11.265	KOTA STONE FLOORING				
	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
4	11.26.1	25 mm thick	Sqm	150	1948.25	292237.5

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5	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm	50	2354.7	117735
	11.28S	SAND STONE FLOORING				
6	11.31	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	Metre	200	191.4	38280
	11.37S	CERAMIC GLAZED TILES				
7	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	100	1096.55	109655
	11.41S	VITRIFIED FLOOR TILES				
	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.2	Glazed vitrified floor tiles polished finish of size				
8	11.41A.2.1	Size of Tile 600 x 600 mm	Sqm	570	1502.75	856567.5
	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).				
9	11.47.2	Size of Tile 600x600 mm	Sqm	60	1893.9	113634
					Total	2178446.50
Item- 5	All items of "Finishing" appearing in Chapter No. 13 of CPWD DSR (Amended up to date).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	13.0	FINISHING				
	13.4S	CEMENT PLASTER (IN COARSE SAND)				
	13.4	12 mm cement plaster of mix :				
1	13.4.2	1:6 (1 cement: 6 coarse sand)	Sqm	3000	343.65	1030950
	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
2	13.5.2	1:6 (1 cement: 6 coarse sand)	Sqm	3000	395.35	1186050
	13.44S	EXTERIOR FINISHING				

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	13.48A	Finishing walls with 100% Premium acrylic emulsion paint (Company Depot Tinted) having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade with silicon additives.				
3	13.48A.1	New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	Sqm	6000	181.25	1087500
	13.50	Applying priming coat:				
4	13.50.2	With ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood	Sqm	450	74.65	33592.5
	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
5	13.61.1	Two or more coats on new work	Sqm	450	155.9	70155
6	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	6500	156.05	1014325
					Total	4422572.50
Item- 6	All items of "New Technologies and Materials" appearing in Chapter No. 26 of CPWD DSR (Amended up to date).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	26.0	NEW TECHNOLOGIES AND MATERIALS				
	26.73S	PREFAB/PRECAST TECHNOLOGY				
	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceostory 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/mm ² , modulus of elasticity 900 N/mm ² 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).				
1	26.86.1	Frame size 45 x 70 mm	Metre	470	705.85	331749.5

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	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/mm ² , modulus of elasticity 850 N/mm ² 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.				
2	26.88.1	30 mm thick	Sqm	170	4764.2	809914
	26.89	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white color and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/kitchen cabinet etc. of required sizes 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/mm ² , modulus of elasticity 850 N/mm ² 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 piano hinges/soft close clip on concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge.				
3	26.89.1	18 mm thick	Sqm	160	2992.9	478864
					Total	1620527.50
Item- 7	All items of "All other chapters" of CPWD DSR (Amended up to date) except mentioned above.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	8.0	CLADDING WORK				
	8.1S	General				
	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels				
	8.2.2	Granite stone slab colour black, Cherry/Ruby red				
1	8.2.2.1	Area of slab upto 0.50 sqm	Sqm	35	5413.5	189472.5

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2	8.2.2.2	Area of slab over 0.50 sqm	Sqm	30	5136.3	154089
	8.3	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
3	8.3.2	Granite work	Metre	150	510.95	76642.5
4	8.4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	Metre	30	568.55	17056.5
5	8.5	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	Each	10	978.7	9787
	8.20S	STONE WORK DRY CLADDING				
6	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	380	1267.95	481821
	9.0	WOOD AND P.V.C. WORK				
	9.40S	MISCELLANEOUS-WOOD WORK				
	9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :				
7	9.47.2	25 mm dia (heavy type)	Metre	149	186.4	27773.6
	9.70S	STAINLESS STEEL FITTINGS				
	9.70	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				
8	9.70.2	100X58X1.90 mm	Each	20	107.1	2142
9	9.70.3	75x47x1.80 mm	Each	20	80.05	1601
	9.72S	BRASS FITTINGS				
10	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	Each	30	983.15	29494.5
	9.88S	CHROMIUM PLATED BRASS FITTINGS				
	9.90	Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.				
11	9.90.1	Size 40 mm	Each	20	319.75	6395
	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 :				
12	9.96.2	250x16 mm	Each	160	260.6	41696

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	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 :				
13	9.97.3	200x10 mm	Each	140	99.7	13958
	9.101	Providing and fixing aluminium hanging floor door stopper, 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.				
14	9.101.2	Twin rubber stopper	Each	80	72.35	5788
	9.105S	GYP SUM BOARD PARTITIONS				
	9.114	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.				
15	9.114.2	Double strip (horizontal type)	Each	80	39.7	3176
16	9.115	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- in-charge.	ONE SET	20	414.2	8284
	9.134	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws :				
	9.134.1.2	35 mm thick shutters With ISI marked stainless steel butt hinges of required size				
17	9.134.1.2.3	Kiln seasoned selected class of sheesham wood	Sqm	70	4740.3	331821
	9.165	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.				
18	9.165.1	125 mm	Each	160	119.2	19072
19	9.165.2	100mm	Each	80	90.45	7236
20	9.171	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge.	Each	160	272	43520
	10.0	STEEL WORK				
	10.1S	General				
	10.11	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, glass panes complete all as per approved design, (sectional weight of only steel members shall be measured for payment).				
21	10.11.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Kg	3500	131.05	458675

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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.				
22	10.16.1	Hot finished welded type tubes	Kg	2000	194.4	388800
23	10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	Each	40	220.65	8826
	10.29	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.				
24	10.29.2	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	Sqm	120	1133.55	136026
	10.30	Providing and fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :				
25	10.30.2	5.5 mm thick glass panes	Sqm	120	1390.15	166818
	12.0	ROOFING				
	12.15	SHEET ROOFING				
	12.21	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
26	12.21.1	In 75x75 mm deep chase	Metre	400	305.15	122060
27	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	10	298.25	2982.5
	12.24S	CEILING				
	12.31	Providing 10 mm thick plaster of Paris (gypsum anhydrous) ceiling up to a height of 5 m above floor level, over first class kail wood strips 25x6 mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately):				
28	12.31.1	Flat surfaces	Sqm	100	1718.95	171895
29	12.32	Extra for sunk or raised mouldings in the plaster of Paris (Gypsum anhydrous) ceiling.	Sqm	38	607.45	23083.1
	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.				
30	12.41.2	110 mm diameter	Metre	500	377.4	188700

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	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.				
	12.42.4	Single tee without door				
31	12.42.4.2	110x110x110 mm	Each	50	221.35	11067.5
	12.42.5	Bend 87.5 degree				
32	12.42.5.2	110 mm bend	Each	50	150.35	7517.5
	12.42.6	Shoe (Plain)				
33	12.42.6.2	110 mm Shoe	Each	50	131.85	6592.5
	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.				
34	12.43.2	110 mm	Each	100	371.3	37130
35	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	80	54.7	4376
	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.				
36	15.2.1	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	cum	20	2434.25	48685
	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.				
37	15.7.4	In cement mortar	cum	50	2060.2	103010
38	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	120	263.95	31674
	16.0	ROAD WORK				
	16.42S	CONCRETE PAVEMENTS				
39	16.44	Extra for providing and mixing hardening compound of approved quality as per manufacturer's specification in cement concrete.	Litre	2000	55.5	111000
	16.49S	MISCELLANEOUS				

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40	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	cum	10	10117.6	101176
41	16.75	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately).	cum	50	9823.8	491190
	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.				
42	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	Sqm	500	1091.5	545750
	17.0	SANITARY INSTALLATIONS				
	17.1S	General				
	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231,with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
43	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	10	6767.4	67674
	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
44	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	10	6515.55	65155.5

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45	17.7A	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-(a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	Each	30	3960.55	118816.5
46	17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	Each	30	1683.35	50500.5
	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.10.2	Kitchen sink without drain board				
47	17.10.2.2	610x460 mm bowl depth 200 mm	Each	10	3873.8	38738
	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	17.28.1	Semi rigid pipe				
48	17.28.1.1	32 mm dia	Each	40	103.9	4156
49	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	20	1607.95	32159
	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.				
50	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	20	708.95	14179
	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)				
51	18.7.2	20 mm nominal dia Pipes	Metre	32	335	10720
52	18.7.3	25 mm nominal dia Pipes	Metre	600	401.55	240930
53	18.7.6	50 mm nominal dia Pipes	Metre	300	934.15	280245
	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.				
54	18.8.2	20 mm nominal dia Pipes	Metre	500	537.6	268800
	18.15S	BRASS FITTINGS				

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	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
55	18.17.1	25 mm nominal bore	Each	10	622.4	6224
56	18.17.1A	20 mm nominal bore	Each	10	539.95	5399.5
	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
57	18.18.2	20 mm nominal bore	Each	10	462.5	4625
	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
	18.21.1	30 cm length				
58	18.21.1.1	15 mm nominal bore	Each	10	85	850
	18.31S	C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES				
59	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 :				
60	18.49.1	15 mm nominal bore	Each	20	506.8	10136
	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.				
61	18.50.1	15 mm nominal bore	Each	20	820.7	16414
	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.				
62	18.51.1	15 mm nominal bore	Each	20	798.95	15979
	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
63	18.52.1	15 mm nominal bore	Each	20	670.45	13409
	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
64	18.53.1	15mm nominal bore	Each	80	574.3	45944
	18.54S	PTMT FITTINGS				
	18.58	Providing and fixing PTMT grating of approved quality and colour.				
	18.58.1	Circular type				
65	18.58.1.1	100 mm nominal dia	Each	60	37.6	2256
	22.0	WATER PROOFING				
	22.1S	General				
	22.14	Grading roof for water proofing treatment with				
66	22.14.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	40	8042.3	321692
					Total	6382861.70
Schedule	Schedule B-CPWD DSR Horticulture & Landscaping items					
Item- 1	All items of "Horticulture & Landscaping" appearing in Chapter No. 02 of CPWD DSR Horticulture & Landscaping (Amended up to date).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	2.0	HORTICUTURE AND LANDSCAPING				

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1	2.1	Trenching in ordinary soil up to a depth of 60 cm including removal and stacking of serviceable materials and then disposing of surplus soil, by spreading and neatly levelling within a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or / and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	cum	300	78.1	23430
2	2.2	Supplying and stacking of good earth at site including royalty and carriage upto 5 km lead complete (earth measured in stacks will be reduced by 20% for payment).	cum	200	515.6	103120
3	2.3	Supplying and stacking sludge at site including royalty and carriage upto 5 km lead complete (sludge measured in stacks will be reduced by 8% for payment).	cum	50	294	14700
	2.4	Supplying and stacking at site dump manure from approved source, including carriage upto 5 km lead complete (manure measured in stacks will be reduced by 8% for payment) :				
4	2.4.2	Screened through sieve of I.S. designation 16 mm	cum	50	290.7	14535
5	2.5	Rough dressing the trenched ground including breaking clods.	Sqm	500	1.5	750
6	2.8	Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge (cost of sludge, dump manure and/ or good earth to be paid separately).	cum	100	52.35	5235
7	2.9	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	cum	200	36.55	7310
8	2.16	Providing and fixing M.S. flat iron tree guard 60 cm dia and 2 m high, above ground consisting 4 nos 25 x 6 mm, 2.25 m long and 8 nos 25 x 3 mm 2 m long verticals M.S. flats, riveted to 3 nos 25 x 6 mm M.S. flat iron rings in two halves, fixing together at site with required six numbers of 8 mm dia and 30 mm long bolts, including painting two coats with synthetic enamel paint of approved brand and manufacture over a coat of primer. One name plate of 1 mm thick M.S. sheet of size 250x100 mm shall be welded to the tree guard near the middle height and lettered CPWD / PWD/ any other approved name. The tree guard shall be suitably fixed to the ground by embedding four legs of tree guard in pits of suitable dia and to a depth of 25 cm, refilling the pits with soil and ramming, complete in all respect as per satisfaction and direction of Officer-in-charge.	Each	50	4533.1	226655
9	2.34	Providing & laying Selection no. 1 doob grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with required tools wooden and then rolling the surface with light roller make the surface smoothen and light watering the same maintenance for 30 days or more till the grass establish properly,as per direction of officer in charge	Sqm	500	87.5	43750
	2.57	Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unserviceable material's as per direction of officer in charge (excluding cost of plant & water)				
10	2.57.1	Trees Plant	Each	50	7.3	365
					Total	439850.00

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Item- 2	All items of "All other chapters" of CPWD DSR Horticulture & Landscaping (Amended up to date) except mentioned above.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	5.0	ORNAMENTAL PLANTS				
1	5.12	Providing and Displaying Bougainvillea named variety, Sobhra, Thima, Marry palmar, Cherry Blossom etc. well developed with fresh & healthy bushy in full bloom 75 to 90 cm ht. in 40 cm Cement Pot as per direction of the officer-in-charge.	Each	100	322.9	32290
	7.0	TREE PLANTS				
2	7.5	Providing and stacking of Azadirachta indica (Neem) of height 120-130cm in big polybag of size 25 cm as per direction of the officer-in-charge.	Each	50	65	3250
					Total	35540.00

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. Note :- (i) For Joint Venture (JV): The tenderer shall submit credentials as mentioned in Clause 17 of GCC April 2022 (Ammended upto date). (ii) In case, date of tender inviting is on or after date of statutory deadline for audit of balance sheet of previous Financial Year (i.e. 30th Sept. or as further extended for this FY), audited balance sheet of 4th previous year shall not be considered unless concerned CA certifies that balance sheet is not audited yet as on date of invitation of this tender.	No	No	Allowed (Mandatory)

Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have successfully completed or substantially 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 costing not less than the amount equal to 30% of advertised value of the tender, or (b) Two similar works costing not less than the amount equal to 40% of advertised value of the tender, or (c) One similar work costing not less than the amount equal to 60% of advertised value of the tender. Note :- For Joint Venture (JV): The tenderer shall submit credentials as mentioned in Clause 17 of GCC April 2022 (Ammended upto date).	No	No	Allowed (Mandatory)
1.1	Defination of Similar Work :- Construction of buildings/quarters work. Note :- Zone works for repair maintenance of service building / residential quarter will not be considered similar work as "Construction of building / quarters work."	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.

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

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Civil engg notes :- 1.The quantities/amount mentioned above are rough and for guidance only and are subject to change according to the needs of the railway & variation there of to any extent will not be the basis of any claim against the Railway. 2.The work shall be carried out as per standard specifications (Amended up to date). 3.The contract shall be governed by General Condition of Contract and Instructions to the Tenders - 2022 (Amended up to date). 4.All tools & plants and mechanical equipment as required to execute the work shall be arranged by the contractor. 5.Contractor/ suppliers/ service providers/ parties shall register their firms under EPFO & GSTIN (GST Identification Number).	No	No	Not Allowed

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2	Electrical (G) notes :- 1.Rates are inclusive of GST as applicable and all other taxes & applicable expenses. 2.The work should be carried out as per I.E. Rules and regulation and code of practice. 3.All materials such as wires, switches, CI/GI pipes, etc should be ISI marked. Materials other than ISI marked should be as per technical specification and confirming to IS specification. 4.The tender offer submitted should be complete with financial status, previous experience, and other documents. 5.Contractor/s is/are bound to execute formal agreement on the documents available in this office.	No	No	Not Allowed
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Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The Bidder Should have valid Electrical Contractor License issued by Govt. or in case the bidder intends to execute complete electrical portion through subletting then the concerned subcontractor or executing agency from which the electrical work is to be executed should have valid Electrical Contractor License issued by Govt. If valid (as on date of opening of tender) Electrical Contractor License is not submitted along with Bid then the offer will be summarily rejected.	Yes	Yes	Allowed (Mandatory)
2	COMPOSITE WORK: General Conditions for Composite Tender of Civil & Electrical Works is attached.	No	No	Not Allowed

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/We also understand that if the contents of the documents 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.	No	No	Not Allowed
2	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)	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

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	This is a Composite Work tender comprising of Civil Engineering and Electrical Engineering work.	No	No	Not Allowed
2	The tenderers shall submit a copy of certificate as detailed in related Para no. 11(vii) of General Condition as Annexure -A-1A. Performa of certificate is enclosed in general condition.	No	No	Allowed (Mandatory)
3	The tenderer shall submit copy regarding status of firm i.e. sole proprietorship, partnership, Company, Society/Trust etc. and also submit a power of attorney as detailed in related Para no. 13 of General Condition.	No	No	Allowed (Mandatory)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	Generalcondition01.04.26From01-26-27_compressed.pdf	General Condition
2	GCC-2022-uptoACS104.3.25.pdf	GCC April 2022 upto ACS10 updated
3	GCCACS11_compressed.pdf	Correction slip no.11of GCC 2022

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4	hmhl10qrtrsnameofstnwithnoofqrtrs.pdf	name of stns with no of qrtrs
5	hmhl10qrtrselectricalsplconditions.pdf	Electrical G 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: NEERAJ SINGH YADAV

Designation : DENNorth