

**PRAYAGRAJ DIVISION-ENGG/NORTH CENTRAL RLY  
TENDER DOCUMENT**

**Tender No:** 3820262027-99

**Closing Date/Time:** 01/07/2026 12:00

**sr den co** acting for and on behalf of The President of India invites E-Tenders against Tender No **3820262027-99** Closing Date/Time 01/07/2026 12:00 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>	Combined Tender for -(A) Prayagraj Provision of additional 100 bedded Railway Protection Force barrack at Prayagraj.(B)Construction of 02-unit Type-V quarter at Loco Colony. (c)PRAYAGRAJ JUNCTION - Provision of Rain basera in Central Hospital, NCR / Prayagraj.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	01/07/2026 12:00	<b>Date Time Of Uploading Tender</b>	11/06/2026 20:41
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	88080404.69	<b>Tendering Section</b>	DEN E 1
<b>Bidding Style</b>	Single Rate for Each Schedule	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	1761600.00	<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>	17/06/2026		
<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 () A-DSR-2023</b>							33748184.90	Above/ Below/Par
1	Please see Item Breakup for details.				33748184.90	AT Par	33748184.90	
	<b>Description:-</b> Prayagraj Provision of additional 100 bedded Railway Protection Force barrack at Prayagraj.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () B-DSR-2023</b>							16716037.49	Above/ Below/Par
1	Please see Item Breakup for details.				16716037.49	AT Par	16716037.49	
	<b>Description:-</b> Construction of 02 unit Type-V quarter at Loco Colony.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () C-NS-Items</b>							687911.62	Above/ Below/Par
	NS1	2.00	Each	176300.88	352601.76	AT Par	352601.76	

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1	<b>Description:-</b> Providing and fixing prefabricated kitchen components (for 01 kitchen 17 Items) as details given below confirming to specification of Godrej Interio Kitchens (Manufactured Godrej interio Or superior) with all fittings and fixtures complete including cutting and making good the walls and floors etc. as a complete job in all respect (Finish/Colour combination of cabinets) as directed by Engineer In-Charge. The Rate will be inclusive of all required materials with all including Taxes, Transportation, Labours, Tools, Plants and Equipments etc. Nothing extra will be paid except whatsoever the case may be. Details of kitchen Finish/Colour Components: - (1). Top plain shelf unit 600mm - 1No. (2). Top plain shelf unit 900 mm with glass shutter - 1No. (3). Top plain shelf unit 900mm with glass Shutter - 1No. (4). Chimney Top unit 600mm - 1No. (5). Hinged unit below sink 600mm - 1No. (6). Utensil Unit 600mm - 1 No. (7). Grocery unit 500mm - 1No. (8) Gas cylinder unit 450mm - 1No. (9). Dish each unit 600mm-1No. (10). Corner plain shelf unit 1000mm - 1No. (11). Corner plain shelf unit 1000mm - 1No. (12) Skirting (REHAU) system- 100mm Brushed Aluminium-3 Nos. (13). Brushed Aluminium Skirting 100mm hardware packet for kitchen -1no. (14). Legs 100mm - 20 Nos. (15). Handel 128mm pitch -20 Nos. (16). Hardware packet for kitchen - 1 No. (17) Soft Hinges for plain shelf - 26 Nos. (Total 17 Items).							
2	NS2	2.00	Each	121820.64	243641.28	AT Par	243641.28	
	<b>Description:-</b> Providing and Fixing prefabricated kitchen components (for 01 kitchen 12 Items ) as details given below confirming to specification of Godrej Interio Kitchens (Manufactured Godrej interio Or Similar) with 18mm thick PVC structure all fittings and fixtures complete including cutting and making good the walls and floors etc. as a complete job in all respect (Finish/Colour combination of cabinets) as directed by Engineer In-Charge.The Rate will be inclusive of all required materials with all including Taxes, Transpotation, Labours, Tools ,Plants and Equipments etc. Nothing extra will be paid except whatsoever the case may be . Details of kitchen Finish/Colour Components :- Item list. 1. 600x700x550mm =06 nos. kitchen shelf 2. 900x700x550mm =02 nos. kitchen shelf 3. 26 nos. legs							
3	NS3	50.00	Metre	822.05	41102.50	AT Par	41102.50	
	<b>Description:-</b> Providing and fixing 160mm PVC rain water pipe.							
4	NS4	6.00	Each	8427.68	50566.08	AT Par	50566.08	
	<b>Description:-</b> Providing and fixing table top wash basin rectangular shape of size (525X415X140) fixed with waste coupling and bottle trap. Jaquar (ALD-CHR-JDS -WHT-25907 N)							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () D-DSR-2023</b>							35612053.92	Above/ Below/P ar
1	Please see Item Breakup for details.				35612053.92	AT Par	35612053.92	
	<b>Description:-</b> PRAYAGRAJ JUNCTION - Provision of Rain basera in Central Hospital, NCR / Prayagraj.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () E-NS items</b>							1316216.76	Above/ Below/P ar
1	NS1	75.00	Metre	250.60	18795.00	AT Par	18795.00	
	<b>Description:-</b> Providing and fixing 110mm dia Type-B (Wall Thickness 3.2-3.8 mm) PVC soil, waste and vent pipes as per 15:13592 including jointing and cost of spun yarn and sand etc.complete job. Inclusive of all material, manpower, freight,taxes etc. Noting shall be paid extra.							
2	NS2	15.00	Each	180.60	2709.00	AT Par	2709.00	
	<b>Description:-</b> Providing and fixing 110 mm PVC Plainbend with inclusive of 3mm thick bitumastic felt washer, bolts and nuts, complete, including jointing and cost of spun yarn and sand etc. complete job. Inclusive of all material, manpower, freight, taxes etc. Noting shall be paid extra.							
3	NS3	15.00	Each	186.90	2803.50	AT Par	2803.50	
	<b>Description:-</b> Providing and fixing 110 mm x 110 mm x 110mm dia PVC plain branch (single equal junction) of the required degree with access door inclusive of 3mm thick bitumastic felt washer and bolts and nuts, complete, including jointing and the cost of spun yarn and sand etc.,complete job. Inclusive of all material,manpower,freight,taxes etc. Noting shall be paid extra.							
4	NS4	15.00	Each	153.30	2299.50	AT Par	2299.50	
	<b>Description:-</b> Providing and fixing 110 mm PVC Shoe Bend inclusive of bitumastic felt washer, bolts and nuts, complete, including jointing and cost of spun yarn and sand etc,complete job. Inclusive of all material,manpower,freight,taxes etc. Noting shall be paid extra.							
5	NS5	15.00	Each	100.80	1512.00	AT Par	1512.00	
	<b>Description:-</b> Providing and fixing 110 mm PVC Collar (loose socket) including jointing and cost of spun yarn and sand etc. complete job. Inclusive of all material,manpower,freight,taxes etc. Noting shall be paid extra.							

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6	NS6	15.00	Each	285.60	4284.00	AT Par	4284.00	
	<b>Description:-</b> Providing and fixing 110 mm x 110 mm x 110mm PVC Y-Tee of the required degree including jointing and cost of spun yarn and sand etc., complete job. Inclusive of all material,manpower,freight,taxes etc.Noting shall be paid extra.							
7	NS7	15.00	Each	86.10	1291.50	AT Par	1291.50	
	<b>Description:-</b> Providing and fixing 110mm dia PVC terminal guard including jointing and cost of spun yarn and sand etc, complete job. Inclusive of all material,manpower,freight,taxes etc.Noting shall be paid extra.							
8	NS8	15.00	Each	195.38	2930.70	AT Par	2930.70	
	<b>Description:-</b> Providing and fixing 127mm dia C.P. steel Jali cockroach trap (CCTR-127) for gully floor or Nahani trap,complete job. Inclusive of all material,manpower,freight,taxes etc.Noting shall be paid extra.							
9	NS9	15.00	Each	288.40	4326.00	AT Par	4326.00	
	<b>Description:-</b> Providing and fixing 25mm dia. CPVC ball valve of approved quality as a complete job. Inclusive of all material,manpower,freight,taxes etc.Noting shall be paid extra.							
10	NS10	75.00	Metre	917.70	68827.50	AT Par	68827.50	
	<b>Description:-</b> Providing and fixing 200mm dia PVC pipe (6kg/sq cm pressure) ISI mark including jointing and cost of spun yarn & sand etc.as a complete job,inclusive of all material,manpower,freight,taxes etc.Noting shall be paid extra.							
11	NS11	100.00	Sqm	1108.10	110810.00	AT Par	110810.00	
	<b>Description:-</b> "Providing and laying heavy duty parking tiles of size 400 mm x 400mm ( Thickness 12 mm) of approved make/colour/design, 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"							
12	NS12	10.00	Each	3592.72	35927.20	AT Par	35927.20	
	<b>Description:-</b> Providing and fixing C.P. brass two way bib cock with wall flange and health faucet having metal tube.( Make:- Jaquar or Equivalent)							
13	NS13	10.00	Each	8427.68	84276.80	AT Par	84276.80	
	<b>Description:-</b> Providing and fixing table top wash basin rectangular shape of size (525X415X140) fixed with waste coupling and bottle trap. Jaquar (ALD-CHR-JDS -WHT-25907 N)							
14	NS14	4.00	Pair	3446.62	13786.48	AT Par	13786.48	
	<b>Description:-</b> "Providing and fixing H type handle for 12 mm frameless toughened glass of size 32mmX450mm made of SS 304 material for high corrosion resistance "							
15	NS15	2.00	Each	3358.81	6717.62	AT Par	6717.62	
	<b>Description:-</b> Providing and fixing godrej cylinder lock which is in complete set of 2 handle, one lock and ony cylinder with three keys							
16	NS16	10.00	Each	1348.97	13489.70	AT Par	13489.70	
	<b>Description:-</b> Providing and fixing C.P. brass angular stop valve with wall flange having nickel coating of not less than 10 micron and weight not less than 600 gm							
17	NS17	100.00	Sqm	2270.36	227036.00	AT Par	227036.00	
	<b>Description:-</b> Providing and fixing 12mm thick frameless toughened glass (with all required fittings for fixing glass in position) in for wall, partition etc. as per satisfaction of Engineer Incharge including all material, manpower, freight, taxed complete job.							
18	NS18	1500.00	Sqm	91.72	137580.00	AT Par	137580.00	
	<b>Description:-</b> ProvidingLayoutplans,architecturalplans,elevations, 3D view ,Structural & working drawings including plumbing & electrical layout etc.of building. The architectural drawing are to be got approved from railways. Structural drawing & design so prepared are to be first got proof checked from IIT/NIT and there after from Railways. The changes/modification suggested by Railways to be incorporated in the drawing by tenderer and corrected drawing to be submitted without any charges.(Inclusive of GST)							
19	NS19	1.00	Set	39895.36	39895.36	AT Par	39895.36	
	<b>Description:-</b> Soil investigation in connection with construction of stilt +6 storey building from IIT's, NITs, HBTI or any other NABL approved Lab including submission of the report to ascertain the bearing capacity and it's suitability for foundation of building (Minimum 03 nos. bore to be done for sampling and average of 03 will be taken for reporting bearing capacity).							
20	NS20	50.00	Metre	1410.00	70500.00	AT Par	70500.00	
	<b>Description:-</b> Supply, installation, testing and commissioning of ISI Marked medium class M.S. Pipe 100 MM dia Zindal TATA Make IS-1239 including the transportation of material upto site and excavation of earth and cutting of road, removal of interlocking blocks, Kota Stone and finishing the same as per prescribed pattern or as per instruction of Engineer Incharge at site. Works includes providing and fixing bend, elbo, flange, packing washer, nut, bolts, fastener, drilling, welding & support system as per requirement in proper position, complete in all respect at all height, all labour and material as a complete job.							

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21	NS21	50.00	Metre	141.00	7050.00	AT Par	7050.00	
	<b>Description:-</b> Supply and providing anticorrosive paint 2 coat including one coat primer at all height to MS PIPE, all labour & material as a complete job.							
22	NS22	1.00	Each	7745.00	7745.00	AT Par	7745.00	
	<b>Description:-</b> Supply, installation, testing and commissioning of CI double flange sluice valve 100mm ctc.							
23	NS23	1.00	Each	38722.00	38722.00	AT Par	38722.00	
	<b>Description:-</b> Supply, installation, testing and commissioning of Fire Brigade inlet connection including provision of sluice valve and providing cutting, welding, Elbow, Tee, flange, nut & bolts packing washer & making connection for fire fighting system as per IS-336 at all height, all labour and material as a complete job							
24	NS24	1.00	Each	13356.00	13356.00	AT Par	13356.00	
	<b>Description:-</b> Supply, installation, testing and commissioning of Air release valve with all accessories to complete the system as required with all labour & material as a complete job at all height.							
25	NS25	6.00	Each	9794.00	58764.00	AT Par	58764.00	
	<b>Description:-</b> Supply, installation, testing and commissioning of hose reel drum with 20 mm dia rubber hose pipe 30 M long ISI marked IS-444. Hose reel shall be mounting on wall with fastener drill 20 mm dia globe valve and GI fitting at all height all labour & material as a complete job.							
26	NS26	6.00	Each	4795.68	28774.08	AT Par	28774.08	
	<b>Description:-</b> Supply, installation, testing and commissioning of single headed hydrant/landing valve with 63 mm female coupling instantaneous outlet ISI marked IS- 5290 including cost of MS flange, packing washer and provision of 80 mm dia MS pipe for Tee, cutting, welding complete at all height of approved make, NEW-AGE, OMEX, SUPERMAX etc all labour and material as a complete job							
27	NS27	6.00	Each	5211.81	31270.86	AT Par	31270.86	
	<b>Description:-</b> Supply, installation, testing and commissioning of RRL fire hose pipe 15 Mtr. long and 63 mm dia Gunmetal male & female coupling with CI wire winding complete ISI marked IS-903 NEWAGE, SUPERMAX, OMEX, make, all labour & material as a complete job							
28	NS28	24.00	Sqm	1065.00	25560.00	AT Par	25560.00	
	<b>Description:-</b> Providing and fixing of non woven Geotextile having thickness of 400 GSM, Having minimum tear Strength of 25 gsm ASTM D4533,width wise atleast 215 ASTM D4533 having puncture strength of 1550 pulse as per ASTM D4595 in two layer, made out of long fibres to hold the modules & protect liner including cutting, sizing, heat, welding & punched for high porosity & proper percolation complete as per entire satisfaction of engineer-in-charge. including all leads, lifting at any height ,loading ,unloading all taxes ,charges, all I&M, T&P as complete job .nothing extra will be paid whatsoever the case may be.							
29	NS29	10.00	Each	6878.76	68787.60	AT Par	68787.60	
	<b>Description:-</b> Providing and fixing weather proof standard fire hose cabinet (750 mm x 600 mm x 250 mm) outdoor type made of not less than 16 SWG MS sheet having glassed hinged door ( 5 mm thick glass) including necessary locking arrangement with handle for housing two nos.15 meter long fire hose pipes, branch pipe as required as per drawings, including brackets for mounting accessories, painting (one coat primer and two coat of fire red colour). The cabinet shall be mounted on self standing mounted type MS Angle iron frame as required. The words "FIRE HOSE" to be painted on the box. (MAKE : Atasee/Palex/Newage / Safeguard / Getech/Newtech) Agreement No: MLR-WS-JHS-ENGINEERING/DYCE-JHSW- 35 / 00950600042908 Dated: 06.10.2021 (SL. No NS23 )							
30	NS30	10.00	Each	1439.55	14395.50	AT Par	14395.50	
	<b>Description:-</b> Providing SS Metal ISI marked 63 mm. dia. male Instantaneous pattern short branch pipes with 1 5 mm dia. Nozzle as per IS : 903 suitable for hydrostatic test pressure 21 kg/sqcm and suitable for interconnections to hose pipe coupling as required. (MAKE : Atasee/Palex/Newage / Safeguard /GetechNewtech) Agreement No: MLR-WS-JHS-ENGINEERING/DYCE-JHSW- 35 / 00950600042908 Dated: 06.10.2021 (SL. No NS25 )							
31	NS31	2.00	Each	9269.43	18538.86	AT Par	18538.86	
	<b>Description:-</b> Supply & fixing in position ISI marked cast iron double flanged butterfly valves as per IS:13095, (PN 10) with SS disc, shaft, seating rings, nitrile rubber lining, internal fastening, nuts, bolts including transporting to worksite, 3 mm thick rubber gaskets etc. including testing, Complete as per drawings & directions of the Engineer- in-charge. (MAKE : Kartar/ Audco / Advance / Sir/gdpa) (i) 150 mm dia Agreement No: MLR-WS-JHS-ENGINEERING/DYCEJHSW- 35 / 00950600042908 Dated: 06.10.2021 (SL. No NS 7 )							
32	NS32	10.00	Each	7858.00	78580.00	AT Par	78580.00	
	<b>Description:-</b> Supply & installation of ABC Type (Stored Pressure ) type Fire extinguisher 6Kg Capacity ISI mark as per IS:15683 filled with minimum 70% MAP powder ISI mark as per IS:4308 with all relevant certificates . MINIMAX/CEASEFIRE/OMEX							
	NS33	1.00	Each	43483.00	43483.00	AT Par	43483.00	

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33	<b>Description:-</b> Supply, installation, testing and commissioning of 08 Zone with LCD Display microprocessor based automatic conventional master fire alarm control panel floor/ wall mounted type fabricated out of 1.6mm thick CRCA Sheet, dust and vermin proof, powder coated, complete in all respect suitable for operation 220 V AC 50 Hz, power supply and battery charger , highly descriptive 2 x 16 character LCD display, Make : AGNI SURAKSHA / AGNI ALARM.						
34	NS34	4.00	Each	2408.00	9632.00	AT Par	9632.00
	<b>Description:-</b> Supply, installation, testing and commissioning of Manual Call Box of MS construction in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. Make AGNI SURAKSHA / AGNI ALARM						
35	NS35	4.00	Each	1940.00	7760.00	AT Par	7760.00
	<b>Description:-</b> Supply, installation, testing and commissioning ( Hooter ) fire alarm sounder with facility to make announcement, mounted in M.S./S.S. box ( 16 SWG ) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete Make AGNI SURAKSHA / AGNI ALARM						
36	NS36	200.00	Metre	70.00	14000.00	AT Par	14000.00
	<b>Description:-</b> Supply and laying of 2C x 1.5 Sq. mm Multi Standard Copper Wire laid on surface with GI saddle - spacers complete with GI Junction Box Lugs Make: Anchor, Havells, RR Cable/LM/ISI Mark.						

**3. ITEM BREAKUP**

Schedule		Schedule A-DSR-2023					
Item- 1		Prayagraj Provision of additional 100 bedded Railway Protection Force barrack at Prayagraj.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
	2.0	EARTH WORK					
	2.1S	General					
	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
1	2.8.1	All kinds of soil.	cum	200	260.3	52060	
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	100	196	19600	
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	50	700.5	35025	
4	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	50	2123.75	106187.5	
	2.28	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.					
5	2.28.1	All kinds of soil	Sqm	300	34.15	10245	
	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 :					

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6	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	10	7878.5	78785
7	4.1.6	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	60	7178.75	430725
	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:				
8	4.2.2	1:1 1/2:3 (1 cement : 1 1/2 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	50	10357.55	517877.5
	5.0	REINFORCEMENT CEMENT CONCRETE				
	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	90	392.15	35293.5
10	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	1320	927.25	1223970
11	5.9.5	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	1140	736.4	839496
12	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	540	961.3	519102
13	5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	110	764.95	84144.5
	5.9.16	Edges of slabs and breaks in floors and walls				
14	5.9.16.1	Under 20 cm wide	Metre	200	208.55	41710
15	5.9.19	Weather shade, Chajjas, corbels etc., including edges	Sqm	100	951.1	95110
	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).				
16	5.11.1	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	Sqm	1520	384.3	584136
	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.				
17	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	2500	107.85	269625
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
18	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	62000	107.85	6686700
	5.33S	DESIGN MIX CONCRETE				

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	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.:				
	5.33.1	All works upto plinth level				
19	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	19.6	9504.75	186293.1
	5.33.2	All works above plinth level upto floor V level				
20	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	270	9860.4	2662308
21	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	Quintal	95.57	733.5	70100.6
	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:				
22	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	60	7132.25	427935
	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 :				
23	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	250	9105.95	2276487.5
	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				
24	8.2.2.1	Area of slab upto 0.50 sqm	Sqm	20	5413.5	108270
25	8.2.2.2	Area of slab over 0.50 sqm	Sqm	60	5136.3	308178
	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.				
26	8.3.2	Granite work	Metre	105	510.95	53649.75
	8.20S	STONE WORK DRY CLADDING				

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27	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	250	1267.95	316987.5
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28	8.32	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including:(a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4 mm thick aluminium composite panel material consisting of 3 mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5 mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF /Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminium Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.	Sqm	250	5015.05	1253762.5
	9.0	WOOD AND P.V.C. WORK				
	9.1S	FRAMES AND TRUSSES				
	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 :				

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29	9.7.8	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4 mm wide aperture with matching wood beading	Sqm	45	1800.45	81020.25
	9.105S	<b>GYPSUM BOARD PARTITIONS</b>				
	9.147	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately.				
	9.147.A4	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
30	9.147.A4.2	Using R3 series with frame (98 mm & above) x (40 mm & above) & both glazed and fly screen sash (30 mm & above) x (55 mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height upto 1.8m)	Sqm	90	10874.2	978678
	9.147.F1	Casement door single panel with zinc alloy (zamak) 3D hinges, multi-point locking system with cylinder, zinc alloy (zamak) powder coated handles on both sides.				
31	9.147.F1.1	Using R3 series with frame (55 mm & above) x (50mm & above) & sash (55 mm & above) x (85mm & above) (Height upto 2.5 meter).	Sqm	80	12496.05	999684
	10.0	<b>STEEL WORK</b>				
	10.1S	<b>General</b>				
32	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	600	133.7	80220

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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.				
33	10.16.1	Hot finished welded type tubes	Kg	2000	194.4	388800
34	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	20	220.65	4413
35	10.28	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, including fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	1890	772.4	1459836
	11.0	FLOORING				
	11.37S	CERAMIC GLAZED TILES				
36	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	68	1096.55	74565.4
	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				
37	11.41A.2.1	Size of Tile 600 x 600 mm	Sqm	690	1502.75	1036897.5

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	11.41A.3	Glazed Vitrified tiles Matt/Antiskid finish of size				
38	11.41A.3.1	Size of Tile 600 x 600 mm	Sqm	112	1464.85	164063.2
	11.55	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :				
39	11.55.1	Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	Sqm	100	3186.7	318670
	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
40	11.56.1	Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	Sqm	120	4481.3	537756
	12.0	ROOFING				
	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.				
41	12.41.2	110 mm diameter	Metre	140	377.4	52836
	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.				
	12.42.3	Single tee with door				
42	12.42.3.2	110x110x110 mm	Each	18	234.15	4214.7
	12.42.5	Bend 87.5 degree				
43	12.42.5.2	110 mm bend	Each	20	150.35	3007

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44	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	500	738.65	369325
	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
45	12.51.1	Ridges plain (500 - 600mm)	Metre	20	532.35	10647
	13.0	FINISHING				
	13.4S	CEMENT PLASTER (IN COARSE SAND)				
	13.4	12 mm cement plaster of mix :				
46	13.4.2	1:6 (1 cement: 6 coarse sand)	Sqm	6000	343.65	2061900
	13.7S	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT				
	13.7	12 mm cement plaster finished with a floating coat of neat cement of mix :				
47	13.7.2	1:4 (1 cement: 4 fine sand)	Sqm	100	425.55	42555
	13.20S	PEBBLE DASH PLASTER				
48	13.22	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof.	Sqm	1810	87.1	157651
	13.44S	EXTERIOR FINISHING				
	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :				
49	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	Sqm	2000	160.6	321200
	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
50	13.61.1	Two or more coats on new work	Sqm	400	155.9	62360
51	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	6000	156.05	936300

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	13.83	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
52	13.83.2	Two coats	Sqm	4000	142.8	571200
	13.85	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.				
53	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	4000	73.95	295800
	15.0	<b>DISMANTLING AND DEMOLISHING</b>				
	15.1S	<b>General</b>				
	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
54	15.2.1	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	cum	6.8	2434.25	16552.9
55	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	cum	50	3551.25	177562.5
	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.				
56	15.7.4	In cement mortar	cum	10	2060.2	20602
	16.0	<b>ROAD WORK</b>				
	16.1S	<b>ROADS</b>				
	16.3	<b>Supplying and stacking at site.</b>				
57	16.3.2	63 mm to 45 mm size stone aggregate	cum	21	1636.05	34357.05
58	16.3.3	53 mm to 22.4 mm size stone aggregate	cum	21	1842.3	38688.3
59	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density .	cum	42	1046.95	43971.9
	16.42S	<b>CONCRETE PAVEMENTS</b>				

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	16.43	Providing and laying design mix cement concrete of M-30 grade, in roads/taxi tracks/runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved and specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction and longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately).				
60	16.43.2	Cement concrete manufactured in automatic batching plant (RMC plant) including transportation to site in transit mixer	cum	40	11098.45	443938
	16.49S	MISCELLANEOUS				
61	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	12	10117.6	121411.2
	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.				
62	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	Sqm	400	1091.5	436600
	17.0	SANITARY INSTALLATIONS				
	17.1S	General				



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	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:				
63	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	15	6767.4	101511
	17.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
64	17.4.1	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	Each	5	6258.75	31293.75
65	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	10	3960.55	39605.5
	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				
66	17.10.2.1	610x510 mm bowl depth 200 mm	Each	7	4940.8	34585.6
67	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	10	1607.95	16079.5
68	17.33	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	Each	20	1083.5	21670
	17.34	Providing and fixing toilet paper holder :				
69	17.34.1	C.P. brass	Each	12	803.7	9644.4
	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.				
70	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	10	708.95	7089.5



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71	17.81	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.	Each	10	18212.9	182129
	18.0	<b>WATER SUPPLY</b>				
	18.7S	<b>C.P.V.C. PIPES</b>				
	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.				
72	18.8.2	20 mm nominal dia Pipes	Metre	290	537.6	155904
73	18.8.3	25 mm nominal dia Pipes	Metre	190	627.25	119177.5
	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				
74	18.9.3	25 mm nominal dia Pipes	Metre	200	355.4	71080
75	18.9.6	50 mm nominal dia Pipes	Metre	250	794.25	198562.5
	18.15S	<b>BRASS FITTINGS</b>				
	18.15	Providing and fixing brass bib cock of approved quality :				
76	18.15.1	15 mm nominal bore	Each	35	353.25	12363.75
	18.16	Providing and fixing brass stop cock of approved quality :				
77	18.16.1	15 mm nominal bore	Each	12	353.25	4239
	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
	18.21.2	45 cm length				
78	18.21.2.1	15 mm nominal bore	Each	28	97.75	2737
	18.22	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet				
79	18.22.2	150 mm diameter	Each	10	222.35	2223.5
	18.31S	<b>C.I. SLUICE VALVES/ FIRE HYDRANTS &amp; FIXTURES</b>				
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	8000	11	88000
	18.49S	<b>C.P. BRASS FITTINGS</b>				

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	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
81	18.53.1	15mm nominal bore	Each	20	574.3	11486
	18.59S	AIR VALVE & WATER METER (BULK TYPE)				
82	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	Each	9	111.45	1003.05
	22.0	WATER PROOFING				
	22.1S	General				
83	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	50	617.05	30852.5
	22.14	Grading roof for water proofing treatment with				
84	22.14.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	60	8042.3	482538
85	22.14.2	Cement mortar 1:3 (1 cement : 3 coarse sand)	cum	30	16112.1	483363
					<b>Total</b>	<b>33748184.90</b>
<b>Schedule</b>	Schedule B-DSR-2023					
<b>Item- 1</b>	Construction of 02 unit Type-V quarter at Loco Colony.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	1.0	CARRIAGE OF MATERIALS				
	1.1	By Mechanical Transport including loading, unloading and stacking				
1	1.1.18	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	cum	50	494.1	24705
	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.				
2	2.6.1	All kinds of soil	cum	500	177.5	88750

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3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	cum	500	196	98000
	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 :				
4	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	5	7878.5	39392.5
5	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	50	7294.7	364735
	5.0	<b>REINFORCEMENT CEMENT CONCRETE</b>				
	5.9S	<b>FORM WORK</b>				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
6	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	200	392.15	78430
7	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	400	927.25	370900
8	5.9.5	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	300	736.4	220920
9	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	300	961.3	288390
10	5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	50	764.95	38247.5
	5.9.16	<b>Edges of slabs and breaks in floors and walls</b>				
11	5.9.16.1	Under 20 cm wide	Metre	100	208.55	20855
12	5.9.19	Weather shade, Chajjas, corbels etc., including edges	Sqm	50	951.1	47555
	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).				
13	5.11.1	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	Sqm	200	384.3	76860
	5.12S	<b>PRE-CAST RCC</b>				
14	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	1	10585.9	10585.9
	5.22S	<b>STEEL REINFORCEMENT</b>				
	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				

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15	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	17139.7	107.85	1848516.65
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
16	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	17000	107.85	1833450
	5.23S	MISCELLANEOUS				
17	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	Metre	200	78.4	15680
	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				
18	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	158	9504.75	1501750.5
	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	170	9860.4	1676268
20	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	Quintal	108.24	733.5	79394.04
	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:				
21	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	20	7132.25	142645
	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 :				
22	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	120	9105.95	1092714
	6.12S	HALF BRICK MASONRY				
	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
23	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	30	1123.8	33714
	8.0	CLADDING WORK				
	8.1S	General				

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	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				
24	8.2.2.1	Area of slab upto 0.50 sqm	Sqm	20	5413.5	108270
25	8.2.2.2	Area of slab over 0.50 sqm	Sqm	20	5136.3	102726
	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.				
26	8.3.2	Granite work	Metre	50	510.95	25547.5
27	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	<b>STONE WORK DRY CLADDING</b>				
28	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	50	1267.95	63397.5
	9.0	<b>WOOD AND P.V.C. WORK</b>				
	9.1S	<b>FRAMES AND TRUSSES</b>				
	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	.5	142949.7	71474.85
30	9.1.2	Sal wood	cum	1	116520.3	116520.3
	9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.				
	9.5.1	<b>Second class teak wood</b>				
31	9.5.1.2	30 mm thick shutters	Sqm	7.5	3747.3	28104.75

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	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				
32	9.7.7.2	5.0 mm thick glass panes (weight not less than 12.50 kg/sqm).	Sqm	50	2600.45	130022.5
33	9.7.8	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4 mm wide aperture with matching wood beading	Sqm	25	1800.45	45011.25
	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:				
34	9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	40	2172.1	86884
	9.27	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :				
	9.27.2.1	30 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size				
35	9.27.2.1.1	Second class teak wood	Sqm	20	4326.8	86536
	9.725	BRASS FITTINGS				
	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
36	9.74.1	250x10 mm	Each	40	441.6	17664
37	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each	20	854.65	17093
	9.81	Providing and fixing bright finished brass handles with screws etc. complete:				
38	9.81.1	125 mm	Each	40	256.65	10266
39	9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	Each	20	121.65	2433
40	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	20	1124.85	22497
	9.105S	GYPSUM BOARD PARTITIONS				
	9.114	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.				
41	9.114.1	Triple strip vertical type	Each	50	52.5	2625
42	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

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43	9.116	Providing and fixing sliding arrangement in racks/ cupboards/cabinets shutter by with stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E channel shall be made separately)	Each	50	20.4	1020
	9.127	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
44	9.127.2	1.0 mm thick	Sqm	80	897.3	71784
	9.147	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately.				
	9.147.A4	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
45	9.147.A4.2	Using R3 series with frame (98 mm & above) x (40 mm & above) & both glazed and fly screen sash (30 mm & above) x (55 mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height upto 1.8m)	Sqm	30	10874.2	326226



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46	9.168	Providing and fixing cupboard shutter with 19 mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2 mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer-in-charge.(Payment of providing and fixing auto closing hinges shall be paid separately)	Sqm	20	2829.25	56585
47	9.169	Providing and fixing 19 mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand boxes, shelves, racks, almirah, cupboard and drawer etc. including necessary nails, screws etc. complete as per direction of Engineer-in-charge.	Sqm	40	2593.15	103726
	9.170	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge.				
48	9.170.1	200 mm	Each	20	186.65	3733
49	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	20	272	5440
50	9.174	Providing and fixing 2 mm thick 16 to 19 mm wide PVC edge binding tape of approved quality for cupboard/wardrobe shutters including necessary synthetic resin hot pressed to edges on binding machine etc. complete as per directions of Engineer-in-charge.	Metre	50	43.8	2190
	10.0	<b>STEEL WORK</b>				
	10.1S	<b>General</b>				
51	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	200	133.7	26740
	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.				
52	10.16.1	Hot finished welded type tubes	Kg	500	194.4	97200
53	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	20	220.65	4413
	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.				



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54	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	200	172.6	34520
55	10.28	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, including fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	700	772.4	540680
	11.0	FLOORING				
	11.1S	General				
56	11.2	Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.	Sqm	200	792.05	158410
	11.16S	TILE FLOORING				
	11.21	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in- Charge.				
	11.21.1	In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)				
57	11.21.1.1	Acid and alkali resistant tile	Sqm	200	1738.15	347630
	11.37S	CERAMIC GLAZED TILES				
58	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	20	1096.55	21931
	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				

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59	11.41A.2.2	Size of Tile 600 x 1200 mm	Sqm	350	1798.8	629580
	11.41A.3	Glazed Vitrified tiles Matt/Antiskid finish of size				
60	11.41A.3.1	Size of Tile 600 x 600 mm	Sqm	30	1464.85	43945.5
61	11.41A.3.2	Size of Tile 600 x 1200 mm	Sqm	50	1797.3	89865
62	11.42	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm.	Sqm	50	-850.1	-42505
63	11.43	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	Sqm	50	753.25	37662.5
	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
64	11.56.1	Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	Sqm	100	4481.3	448130
	12.0	ROOFING				
	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.				
65	12.41.2	110 mm diameter	Metre	100	377.4	37740
	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.				
	12.42.3	Single tee with door				
66	12.42.3.2	110x110x110 mm	Each	20	234.15	4683
	12.42.5	Bend 87.5 degree				
67	12.42.5.2	110 mm bend	Each	20	150.35	3007
	12.42.6	Shoe (Plain)				
68	12.42.6.2	110 mm Shoe	Each	20	131.85	2637
	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.				
69	12.43.2	110 mm	Each	50	371.3	18565

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	12.47	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8 mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovings incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.				
70	12.47.2	2 mm thick flat	Sqm	50	1245.65	62282.5
	13.0	FINISHING				
	13.4S	CEMENT PLASTER (IN COARSE SAND)				
	13.4	12 mm cement plaster of mix :				
71	13.4.2	1:6 (1 cement: 6 coarse sand)	Sqm	1500	343.65	515475
	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
72	13.5.2	1:6 (1 cement: 6 coarse sand)	Sqm	1000	395.35	395350
	13.44S	EXTERIOR FINISHING				
	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.				
73	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	1000	181.25	181250
	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
74	13.61.1	Two or more coats on new work	Sqm	500	155.9	77950
	13.69	Polishing on wood work with ready mixed wax polish of approved brand and manufacture :				
75	13.69.1	New work	Sqm	100	197.65	19765
76	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	2500	156.05	390125
	13.83	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
77	13.83.2	Two coats	Sqm	1500	142.8	214200
	13.85	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.				
78	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	1500	73.95	110925
	17.0	SANITARY INSTALLATIONS				

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	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:				
79	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	4	6767.4	27069.6
80	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	2	3960.55	7921.1
	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 :				
	17.10.1	Kitchen sink with drain board				
81	17.10.1.1	510x1040 mm bowl depth 250 mm	Each	3	6945.6	20836.8
82	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	Each	12	1034.8	12417.6
83	17.22B	Providing and fixing CP Brass Single lever telephonic wall mixer of quality and make as approved by Engineer in charge.(a) 15 mm nominal dia	Each	6	6940.75	41644.5
	17.34	Providing and fixing toilet paper holder :				
84	17.34.1	C.P. brass	Each	8	803.7	6429.6
85	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	8	168.35	1346.8
86	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	Each	8	231.95	1855.6
	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.				
87	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	8	708.95	5671.6
88	17.74	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms.	Each	8	713.2	5705.6

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89	17.81	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.	Each	4	18212.9	72851.6
	18.0	<b>WATER SUPPLY</b>				
	18.7S	<b>C.P.V.C. PIPES</b>				
	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.				
90	18.8.1	15 mm nominal dia Pipes	Metre	60	497.8	29868
	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				
91	18.9.3	25 mm nominal dia Pipes	Metre	100	355.4	35540
92	18.9.6	50 mm nominal dia Pipes	Metre	50	794.25	39712.5
	18.15S	<b>BRASS FITTINGS</b>				
	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
93	18.17.1	25 mm nominal bore	Each	2	622.4	1244.8
94	18.17.4	50 mm nominal bore	Each	2	1026.65	2053.3
	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
95	18.18.3	25 mm nominal bore	Each	6	464.05	2784.3
	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
	18.21.2	45 cm length				
96	18.21.2.1	15 mm nominal bore	Each	4	97.75	391
	18.31S	<b>C.I. SLUICE VALVES/ FIRE HYDRANTS &amp; FIXTURES</b>				
97	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Per Litre	3000	11	33000
	18.49S	<b>C.P. BRASS FITTINGS</b>				
	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
98	18.49.1	15 mm nominal bore	Each	6	506.8	3040.8

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	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.				
99	18.51.1	15 mm nominal bore	Each	6	798.95	4793.7
	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
100	18.52.1	15 mm nominal bore	Each	12	670.45	8045.4
	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
101	18.53.1	15mm nominal bore	Each	2	574.3	1148.6
	22.0	<b>WATER PROOFING</b>				
	22.1S	<b>General</b>				
102	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	25	617.05	15426.25
103	22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:(a) after surface preparation, first layer of slurry of cement @ 0.488kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.	Sqm	200	688.9	137780
	22.14	<b>Grading roof for water proofing treatment with</b>				
104	22.14.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	10	8042.3	80423
	26.0	<b>NEW TECHNOLOGIES AND MATERIALS</b>				
	26.73S	<b>PREFAB/PRECAST TECHNOLOGY</b>				

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	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceoseatory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In-Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately).				
105	26.86.1	Frame size 45 x 70 mm	Metre	50	705.85	35292.5
	26.87	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge.				
106	26.87.1	30 mm thick	Sqm	21	4346.7	91280.7
					<b>Total</b>	<b>16716037.49</b>
<b>Schedule</b>	Schedule D-DSR-2023					
<b>Item- 1</b>	PRAYAGRAJ JUNCTION - Provision of Rain basera in Central Hospital, NCR / Prayagraj.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	1.0	CARRIAGE OF MATERIALS				
	1.1	By Mechanical Transport including loading, unloading and stacking				
1	1.1.18	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	cum	250	494.1	123525
	2.0	EARTH WORK				
	2.15	General				



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	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.				
2	2.6.1	All kinds of soil	cum	1050	177.5	186375
	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
3	2.8.1	All kinds of soil.	cum	105	260.3	27331.5
	2.10	Excavating trenches by mechanical/manual means of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
	2.10.1	All kinds of soil				
4	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	Metre	100	352.15	35215
5	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	1155	196	226380
6	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	250	700.5	175125
	2.26	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.				
7	2.26.1	All kinds of soil	cum	250	126.8	31700
8	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	50	2123.75	106187.5
	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
9	2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	Litre	50	234.75	11737.5
	2.35	Diluting and injecting chemical emulsion for POST-CONSTRUCTION anti-termite treatment (excluding the cost of chemical emulsion) :				
	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor:				
10	2.35.3.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	Sqm	500	310.05	155025



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	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 :				
11	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	10	7878.5	78785
12	4.1.6	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	110	7178.75	789662.5
	5.0	REINFORCEMENT CEMENT CONCRETE				
	5.9S	FORM WORK				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
13	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	210.01	392.15	82355.42
14	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	1155	927.25	1070973.75
15	5.9.5	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	945	736.4	695898
16	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	630	961.3	605619
17	5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	157.5	764.95	120479.63
	5.9.16	Edges of slabs and breaks in floors and walls				
18	5.9.16.1	Under 20 cm wide	Metre	105	208.55	21897.75
19	5.9.19	Weather shade, Chajjas, corbels etc., including edges	Sqm	52.5	951.1	49932.75
	5.12S	PRE-CAST RCC				
20	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	2	10585.9	21171.8
	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.				
21	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	60000	107.85	6471000
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
22	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	52000	107.85	5608200
	5.23S	MISCELLANEOUS				
23	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	Metre	250	78.4	19600
	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				
24	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	350	9504.75	3326662.5
	5.33.2	All works above plinth level upto floor V level				
25	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	300	9860.4	2958120
26	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	Quintal	214.5	733.5	157335.75
	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:				
27	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	42	7132.25	299554.5
	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 :				
28	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	250	9105.95	2276487.5
	6.12S	HALF BRICK MASONRY				
	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
29	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	50	1123.8	56190
	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				
30	8.2.2.1	Area of slab upto 0.50 sqm	Sqm	25	5413.5	135337.5
31	8.2.2.2	Area of slab over 0.50 sqm	Sqm	25	5136.3	128407.5

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32	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	40	978.7	39148
	8.20S	<b>STONE WORK DRY CLADDING</b>				
33	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	150	1267.95	190192.5

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34	8.32	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including:(a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4 mm thick aluminium composite panel material consisting of 3 mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5 mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF /Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminium Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.	Sqm	30	5015.05	150451.5
	9.0	WOOD AND P.V.C. WORK				
	9.1S	FRAMES AND TRUSSES				
	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 :				

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35	9.7.8	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4 mm wide aperture with matching wood beading	Sqm	21	1800.45	37809.45
	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:				
36	9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	28.91	2172.1	62795.41
	9.72S	BRASS FITTINGS				
	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
37	9.74.2	200x10 mm	Each	25.9	358.4	9282.56
38	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each	21	854.65	17947.65
	9.81	Providing and fixing bright finished brass handles with screws etc. complete:				
39	9.81.1	125 mm	Each	42	256.65	10779.3
40	9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	Each	20	121.65	2433
41	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	20	1124.85	22497
	9.105S	GYPSUM BOARD PARTITIONS				
42	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
	9.127	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
43	9.127.2	1.0 mm thick	Sqm	50	897.3	44865

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	9.147	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately.				
	9.147.A4	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
44	9.147.A4.2	Using R3 series with frame (98 mm & above) x (40 mm & above) & both glazed and fly screen sash (30 mm & above) x (55 mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height upto 1.8m)	Sqm	42	10874.2	456716.4
	9.147.C1	Fixed window / ventilator without mullion / transom.				
45	9.147.C1.1	Using R1 series with frame (33mm & above ) x (35mm & above). (Height upto 0.90 meter)	Sqm	5	8247.25	41236.25
	9.147.E4	Casement cum fixed panel window having one single casement panel & one fixed panel with S.S 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles				
46	9.147.E4.3	Using R4 series with frame (64mm & above) x (50mm & above) & sash (64mm & above) x (70mm & above) & mullion (64mm & above) x (70mm & above). (Height above 1.8 meter; each openable shutter upto 0.8m width)	Sqm	5.25	10212.6	53616.15

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47	9.168	Providing and fixing cupboard shutter with 19 mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2 mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer-in-charge.(Payment of providing and fixing auto closing hinges shall be paid separately)	Sqm	10	2829.25	28292.5
48	9.169	Providing and fixing 19 mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand boxes, shelves, racks, almirah, cupboard and drawer etc. including necessary nails, screws etc. complete as per direction of Engineer-in-charge.	Sqm	20	2593.15	51863
	9.170	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge.				
49	9.170.1	200 mm	Each	10	186.65	1866.5
50	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	20	272	5440
51	9.172	Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge.	ONE SET	5	885.1	4425.5
52	9.173	Providing and fixing ready made 304 grade stainless steel Modular kitchen basket and accessories such as right angle basket (Plain Cup & Saucer, plant, Partition, Bottle rack, Thali, Cutlery) kitchen utensil basket, Dinner set basket, kitchen grain basket, Multipurpose basket as per site requirement including finishing (wherever required) and fittings. The same shall be fixed with necessary stainless steel nuts & bolts, Stainless Steel screws & telescopic channel etc. as per direction of Engineer-in-charge. (For payment purpose only weight of Stainless steel basket shall be considered excluding weight of all fixing accessories such as nuts, bolts, fasteners telescopic basket channels etc. Payment of providing and fixing telescopic channel shall be paid separately)	Kg	50	533.25	26662.5
53	9.174	Providing and fixing 2 mm thick 16 to 19 mm wide PVC edge binding tape of approved quality for cupboard/wardrobe shutters including necessary synthetic resin hot pressed to edges on binding machine etc. complete as per directions of Engineer- in-charge.	Metre	47.83	43.8	2094.95
	10.0	<b>STEEL WORK</b>				
	10.15	<b>General</b>				
54	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



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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.				
55	10.16.1	Hot finished welded type tubes	Kg	500	194.4	97200
56	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	25	220.65	5516.25
	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.				
57	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	500	172.6	86300
58	10.28	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, including fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	800	772.4	617920
	11.0	<b>FLOORING</b>				
	11.16S	<b>TILE FLOORING</b>				
	11.20	Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
59	11.20.1	Light shade pigment using white cement	Sqm	50	1402	70100
	11.37S	<b>CERAMIC GLAZED TILES</b>				
60	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>				

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	11.41A	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
	11.41A.2	Glazed vitrified floor tiles polished finish of size				
61	11.41A.2.2	Size of Tile 600 x 1200 mm	Sqm	800	1798.8	1439040
	11.41A.3	Glazed Vitrified tiles Matt/Antiskid finish of size				
62	11.41A.3.1	Size of Tile 600 x 600 mm	Sqm	50	1464.85	73242.5
63	11.42	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm.	Sqm	50	-850.1	-42505
64	11.43	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	Sqm	50	753.25	37662.5
	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
65	11.56.1	Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	Sqm	100	4481.3	448130
	12.0	ROOFING				
	12.1S	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 :				
66	12.21.1	In 75x75 mm deep chase	Metre	100	305.15	30515
67	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
	12.37S	RAIN WATER SPOUT AND PIPE				

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	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.				
68	12.41.2	110 mm diameter	Metre	50	377.4	18870
	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.				
	12.42.3	Single tee with door				
69	12.42.3.2	110x110x110 mm	Each	10	234.15	2341.5
	12.42.5	Bend 87.5 degree				
70	12.42.5.2	110 mm bend	Each	10	150.35	1503.5
	12.42.6	Shoe (Plain)				
71	12.42.6.2	110 mm Shoe	Each	10	131.85	1318.5
	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.				
72	12.43.2	110 mm	Each	25	371.3	9282.5
73	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	25	738.65	18466.25
	13.0	FINISHING				
	13.4S	CEMENT PLASTER (IN COARSE SAND)				
	13.4	12 mm cement plaster of mix :				
74	13.4.2	1:6 (1 cement: 6 coarse sand)	Sqm	2500	343.65	859125
	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
75	13.5.2	1:6 (1 cement: 6 coarse sand)	Sqm	800	395.35	316280
	13.7S	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT				
	13.7	12 mm cement plaster finished with a floating coat of neat cement of mix :				
76	13.7.1	1:3 (1 cement: 3 fine sand)	Sqm	50	439.25	21962.5
	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.				
77	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	1000	181.25	181250
	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
78	13.61.1	Two or more coats on new work	Sqm	250	155.9	38975
	13.69	Polishing on wood work with ready mixed wax polish of approved brand and manufacture :				
79	13.69.1	New work	Sqm	50	197.65	9882.5
80	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	3300	156.05	514965
	13.83	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
81	13.83.2	Two coats	Sqm	2300	142.8	328440
	13.85	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.				
82	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	2300	73.95	170085
	15.0	<b>DISMANTLING AND DEMOLISHING</b>				
	15.1S	<b>General</b>				
	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
83	15.2.1	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	cum	5	2434.25	12171.25
	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
84	15.7.4	In cement mortar	cum	5	2060.2	10301
85	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	100	263.95	26395
	16.0	<b>ROAD WORK</b>				
	16.49S	<b>MISCELLANEOUS</b>				

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86	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	5	10117.6	50588
87	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.				
88	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	Sqm	100	1091.5	109150
	17.0	<b>SANITARY INSTALLATIONS</b>				
	17.1S	<b>General</b>				
	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:				
89	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
	17.10	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	<b>Kitchen sink without drain board</b>				
90	17.10.2.1	610x510 mm bowl depth 200 mm	Each	20	4940.8	98816
91	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	Each	20	1034.8	20696

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92	17.22B	Providing and fixing CP Brass Single lever telephonic wall mixer of quality and make as approved by Engineer in charge.(a) 15 mm nominal dia	Each	20	6940.75	138815
93	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
94	17.33	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	Each	20	1083.5	21670
	17.34	Providing and fixing toilet paper holder :				
95	17.34.1	C.P. brass	Each	20	803.7	16074
96	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	20	168.35	3367
97	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	Each	20	231.95	4639
98	17.81	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.	Each	10	18212.9	182129
	18.0	WATER SUPPLY				
	18.7S	C.P.V.C. PIPES				
	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.				
99	18.8.2	20 mm nominal dia Pipes	Metre	100	537.6	53760
100	18.8.3	25 mm nominal dia Pipes	Metre	100	627.25	62725
	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				
101	18.9.3	25 mm nominal dia Pipes	Metre	100	355.4	35540

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	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
102	18.12.8	80 mm dia nominal bore	Metre	50	1041.7	52085
	18.15S	BRASS FITTINGS				
	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
103	18.17.6	80 mm nominal bore	Each	5	2604.55	13022.75
	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
104	18.18.3	25 mm nominal bore	Each	5	464.05	2320.25
	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
	18.21.2	45 cm length				
105	18.21.2.1	15 mm nominal bore	Each	10	97.75	977.5
	18.31S	C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES				
106	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 :				
107	18.49.1	15 mm nominal bore	Each	20	506.8	10136
	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.				
108	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.				
109	18.52.1	15 mm nominal bore	Each	10	670.45	6704.5
	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
110	18.53.1	15mm nominal bore	Each	20	574.3	11486
	19.0	DRAINAGE				
	19.1S	STONE WARE PIPES AND FITTINGS				
	19.7	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size),foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				



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	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
111	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2	12770.55	25541.1
	19.34	Providing and fixing S.W. intercepting trap in manholes with stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
112	19.34.2	150 mm dia	Each	2	602.65	1205.3
	21.0	ALUMINIUM WORK				
	21.1S	General				
	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
113	21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	42	1505.25	63220.5
114	21.18	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to paid separately)	Sqm	10.5	5325.9	55921.95
	22.0	WATER PROOFING				
	22.1S	General				
115	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	25	617.05	15426.25

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116	22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:(a) after surface preparation, first layer of slurry of cement @ 0.488kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.	Sqm	500	688.9	344450
	22.14	Grading roof for water proofing treatment with				
117	22.14.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	15	8042.3	120634.5
	23.0	RAIN WATER HARVESTING & TUBEWELLS				
	23.1S	General				
	23.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level.				
	23.1.1	All types of soil				
118	23.1.1.1	300 mm dia	Metre	90	707.75	63697.5
	23.4	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.				
119	23.4.3	200 mm nominal size dia	Metre	90	1255.7	113013
120	23.5	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	cum	2	1509.8	3019.6
121	23.6	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	cum	2	1538.25	3076.5
122	23.7	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer -in-charge.	cum	2	1538.25	3076.5

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123	23.8	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	cum	2	2024.5	4049
	26.0	<b>NEW TECHNOLOGIES AND MATERIALS</b>				
	26.73S	<b>PREFAB/PRECAST TECHNOLOGY</b>				
	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceoseatory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm <sup>2</sup> , modulus of elasticity 900 N/mm <sup>2</sup> 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).				
124	26.86.1	Frame size 45 x 70 mm	Metre	100	705.85	70585
125	26.86.5	Frame size 65 x 100 mm	Metre	100	1111.3	111130
	26.87	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm <sup>2</sup> , modulus of elasticity 850 N/mm <sup>2</sup> and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge.				
126	26.87.1	30 mm thick	Sqm	40	4346.7	173868
					<b>Total</b>	<b>35612053.92</b>

**4. ELIGIBILITY CONDITIONS**

**Standard Financial Criteria**

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

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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. 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. Substantially Completed Work means an ongoing work in which payment equal to or more than 90% of the present contract value (excluding the payment made for adjustment of Price variation (PVC), if any) has been made to the contractor in that ongoing contract and no proceedings of termination of contract on Contractor's default has been initiated. The credential certificate in this regard should have been issued not prior to 60 days of date of invitation of present tender.	No	No	Allowed (Mandatory)
1.1	Defination of Similar Work :- Construction of Building.	No	No	Not Allowed

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

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website <a href="http://www.ireps.gov.in">www.ireps.gov.in</a> . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.

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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 submit bank details of the firm / individual/ JV / partnership etc. i.e.Name of the Bank along with Bank Branch Code, Account Number, IFSC Code, PAN Number and other necessary & relevant documents.	Yes	Yes	Allowed (Mandatory)
2	Please furnish list of Works on hand indicating Description of Work, Contract Value, Approximate value of balance work yet to be done and Date of award.	No	Yes	Allowed (Optional)
3	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)
4	Please furnish documents in support of your claim to fulfill the eligibility criteria as mentioned in the tender documents. Each page of the copy of documents / certificates in support of credentials, submitted by the you, shall be self-attested / digitally signed by the you or authorized representative of the your firm. Only those documents which are declared explicitly by you as "documents supporting the claim of qualifying the laid down eligibility criteria", will be considered for evaluating the offer or otherwise available in the offer.	Yes	Yes	Allowed (Mandatory)
5	Please furnish statement of deviations from tender conditions, if any.	Yes	Yes	Allowed (Mandatory)
6	Requisite documents proving technical eligibility criteria and financial eligibility criteria has been uploaded along with those required as per explanation given in clause 10 of IRGCC-2022 (Works Matter).	Yes	Yes	Allowed (Mandatory)
7	Tenderers who is/are not borne on the approved list of the contractors of North Central Railway shall submit along with his/their tender as per clause 11 of IRGCC-2022 (Works Matter), as applicable.	Yes	Yes	Allowed (Mandatory)
8	All requisite valid documents regarding constitution of business of the bidding firm should be submitted along with the tender as per clause 14 of IRGCC-2022 (Works Matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)

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9	The tenderer whether sole proprietor / a company or a partnership firm / joint venture (JV) / registered society / registered trust / HUF / LLP etc if they want to act through agent or individual partner(s), should submit along with the tender, a copy of power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person, specifically authorizing him/them to sign the tender, submit the tender and further to deal with the Tender/ Contract up to the stage of signing the agreement except in case where such specific person is authorized for above purposes through a provision made in the partnership deed / Memorandum of Understanding / Article of Association /Board resolution, failing which tender shall be summarily rejected. A separate power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person, shall be submitted after award of work, specifically authorizing him/them to deal with all other contractual activities subsequent to signing of agreement, if required. Note: A Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Appostille certificate. Reference: para 15 of IRGCC-2022 (Works matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)
10	Joint Venture firms, if applicable in the instant tender, should submit all valid requisite documents and fulfil the stipulations as per clause 17 of IRGCC-2022 (Works Matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)
11	Partnership firms, if bidding for the instant tender, should submit all valid requisite documents and fulfil the stipulations as per clause 18 of IRGCC-2022 (Works Matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)

**General Instructions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Rates are inclusive of all taxes/octroi, license fee, royalty charges etc. legally leviable by State, Central Govt. and/or any other local authority. If any Tax/Royalty/Octroi is quoted extra, the same will neither be considered for evaluation of the tender nor will be paid. However any changes in rate of taxes or any new tax /cess on Works Contract will be dealt according to clause 37 of IRGCC-2022 (Works Matter).	No	No	Not Allowed
2	Tenderers are advised to visit the site of work to ascertain all aspects of the site conditions viz accessibility, availability of approach road, nature of the soil, availability of material, availability of labour etc. that may be encountered in course of execution of work.	No	No	Not Allowed
3	Tenderer should see the website for the corrigendum/addendum to the NIT/tender document, if any that may be uploaded prior to tender opening (inclusive) as there will not be any separate communication for that.	No	No	Not Allowed
4	The tenderer for carrying any construction work in Uttar Pradesh must get themselves registered from the registering Officer under Section - 7 of the Building and Other Construction Workers Act, 1996 and rules made there-to by the Uttar Pradesh Govt. and submit certificate of Registration (Labour Department). For enactment of this Act, the tenderer shall be required to pay cess @ 1% of cost of construction work to be deducted from each bill.	No	No	Not Allowed

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5	The contractor(s) shall observe all the formalities, perform all the acts and abide by all the provisions contained in the Contract Labour Act-1970 and Contract Labour Central Rules, 1971 which in addition to other stipulations provides that the contractor(s) shall obtain license(s) from appropriate licensing officer of the area before commencement of the work and shall produce a copy thereof along with the original to the Railway office, which will be returned to the contractor after verification.	No	No	Not Allowed
6	If any complaint is received against the contractor regarding violation of contract laws, (exposing Principal Employer to the risk of legal proceedings under labour laws), the guilty contractor will be black listed and their contract shall be terminated following the due procedure, apart from initiating criminal proceedings against him with the help of Labour department officials. (Authority: RB letter no.2008/E (LI)/AT/CNR/3, dated 24.01.2018).	No	No	Not Allowed
7	It is the responsibility of the tenderer to see corrigendum, if any, to tender notice up to the date of tender opening. IRGCC-2022 (works matter) is for reference only. Any correction issued by competent authority up to date of opening will be applicable. Tenderer should quote accordingly.	No	No	Not Allowed
8	Though no minimum eligibility criteria is specified for tenders below Rs. 50.00 Lakhs, tenderers are advised to upload documents so that their financial capacity, capability & past performance to undertake the tendered work can be adjudged during evaluation of their offer. Documents testifying tenderer previous experience for the type of job for which tender is invited with list of works carried out in the past and financial status should be produced along with the tender.	No	No	Not Allowed
9	The provision of Construction and Demolition Waste Management Rule 2016 issued by Ministry of Environment Forest and Climate Change dated 29.03.2016 and published in the Gazette of India, Part - II, Section -3, Sub-section (ii) are binding upon the Contractor. Contractor shall implement these provisions at worksites, for which no extra payment will be payable.	No	No	Not Allowed
10	The tenderers shall submit a copy of certificate stating that all their statements/documents submitted along with bid are true and factual. Standard format of certificate to be submitted by the bidder is enclosed as Annexure-A. Non submission of above certificate by the bidder shall result in summarily rejection of his/their bid.	No	No	Not Allowed
11	It is to be noted that tenderer digital signature on the E-Tender form will be considered as confirmation that tenderer have read and accepted all the conditions laid down in the documents as well as related specification of items,schedule & quantity of items in the tender, consisting of techno-commercial offer form (including special conditions attached to E-Tender) and Financial offer form, unless specific deviation is quoted in the techno-commercial offer form.	No	No	Not Allowed
12	The quantities shown in the attached Schedule are given as a guide and are approximate only and are as a guide to give the tenderer(s) an idea of quantum of work involved. Quantities are subject to variation according to the needs of the Railway. The Railway does not guarantee work under each item of the Schedule. The Railway reserves the right to increase/ decrease and/or delete or include any of the quantities given above and no extra rate will be allowed on this account.	No	No	Not Allowed



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13	In case of any information submitted by tenderer is found to be false forged or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender Earnest Money Deposit besides banning of business for a period of upto two years. In case of any information submitted by tenderer is found to be false forged or incorrect after the award of contract, the contract shall be terminated. Earnest Money Deposit (EMD), Performance Guarantee and Security Deposit available with the railway shall be forfeited. In addition, other dues of the contractor, if any, under this contract shall be forfeited and agency shall be banned for doing business for a period of upto two years.	No	No	Not Allowed
14	The tenderer has to submit necessary documents in compliance of clause 10 to 18 (Part-I) of IRGCC 2022 (Works matter) mandatorily, otherwise offer will be considered as Incomplete Offer and accordingly shall not be considered.	No	No	Not Allowed

**Undertakings**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/We have read the various provisions of IRGCC-2022 (works matter), specific & other special conditions attached/ referred to in this tender document, and agree to abide by the said provision/conditions.	No	No	Not Allowed
2	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed
3	I/We also hereby agree to abide by the Indian Railways Standard General Conditions Of Contract-2022, with all correction slips up-to-date and to carry out the work according to the Special Conditions of Contract and Specifications of materials and works as laid down by Railway in the annexed Special Conditions/Specifications, Schedule of Rates with all correction slips up-to-date for the present contract.	No	No	Not Allowed
4	I/We hereby Confirm that the rates, rebates and/or other financial terms, if any, quoted by us in the relevant fields of the Financial Bid page will only be the ruling terms for deciding the inter-se ranking, and any such condition having financial repercussions, if quoted by us anywhere else including attached documents shall not be considered for deciding inter-se ranking. However, Railways shall have the right to incorporate any such condition quoted by us, in the contract, at their discretion, if contract is placed on us.	No	No	Not Allowed
5	I/We have read the various conditions to tender attached hereto and agree to abide by the said conditions. I/We also agree to keep this tender open for acceptance for a period of 60 days in case of single-packet-system or 90 days in case of two-packet-system from the date of opening of the tender and in default thereof, I/We will be liable for forfeiture of my/our Earnest Money. I/We offer to do the work for North Central Railway, at the rates quoted in the attached schedule and hereby bind myself/ ourselves to complete the work in all respects within the period of completion stipulated in the tender document, from the date of issue of letter of acceptance of the tender.	No	No	Not Allowed
6	It is hereby confirmed that the bidding entity /firm /individual is neither blacklisted nor debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which the bidding entity/firm/individual was / is a partner/member. I under stood that Concealment / wrong information in regard to above shall make the contract liable for determination by administration under Clause 62 of the General Conditions of Contract.	No	No	Not Allowed
7	It is hereby declared that all necessary valid documents have been submitted in compliance of clauses from 10 to 18 (Part-I) of IRGCC (Works matter) and in the absence of which the offer will be considered as Incomplete and accordingly shall not be considered by the administration .	No	No	Not Allowed

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8	It is declared that participating firm/individual is not in contravention to the stipulations laid down in clause 16-"Employment/Partnership etc. of Retired Railway Employees " of IRGCC-2022 (Works Matter) at present or during currency of work in future, else the contract is liable to be dealt in accordance with provisions of clause 62 of IRGCC-2022.	No	No	Not Allowed
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**Custom**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Bidder has to upload requisite information as per Annexure VIB along with the offer.	Yes	Yes	Allowed (Mandatory)

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	IRGCC2022ACS05.pdf	ACS 05 GCC 2022
2	IRGCC2022ACS04.pdf	ACS 04 GCC 2022
3	IRGCC2022ACS03.pdf	correction slip-3 GCC 2022
4	IRGCC2022ACS02.pdf	correction slip-2 GCC 2022
5	ACS1-GCC2022.pdf	correction slip-1 GCC 2022
6	IRGCC2022ACS11.pdf	correction slip-11 GCC 2022
7	IRGCC2022ACS09.pdf	correction slip-9 GCC 2022
8	IRGCC2022ACS10.pdf	correction slip-10 GCC 2022
9	IRGCC2022ACS07.pdf	correction slip-7 GCC 2022
10	IRGCC2022ACS08.pdf	correction slip-8 GCC 2022
11	IRGCC2022Revised.pdf	IRGCC -2022
12	ACS6-GCC2022.pdf	correction slip-6 GCC 2022
13	3820262027-99.pdf	tenderdocument99

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:** VINEET KUMAR TRIPATHI

**Designation :** DENE-I