



Tender No.: JP-EN-FLN-RR-24-10

Name of Work:- Construction of Crew Rest Centre at New Phulera under jurisdiction of CGM/JP of WDFC.

Two Packet

OPEN E-TENDER

**TENDER DOCUMENT
(NOT TRANSFERABLE)**

Financial Bid (Packet-B)

September-2024

Employer:

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE)

UNDER MINISTRY OF RAILWAYS

GENERAL INFORMATION/DATA SHEET

1	E-Tender No.	JP-EN-FLN-RR-24-10
2	Name of Work	Construction of Crew Rest Centre at New Phulera under jurisdiction of CGM/JP of WDFC.
3	Estimated Cost of Work	Rs. 12,02,75,403.63 (Rs. Twelve Crore Two Lakh Seventy Five Thousand Four Hundred Three and Paisa Sixty Three only) (Inclusive GST).
4	Completion Period	12 (Twelve) months.
5	Tender Fee	Rs. 10,000/- (Rs. Ten Thousand only) + 18 % GST 11,800/- to be paid online through payment gateway provided at www.ireps.gov.in
6	Earnest Money (Bid Security)	Rs 7,51,400/- to be paid online through payment gateway provided at www.ireps.gov.in
7	Download bid documents up to	15:00 Hrs. of 30.10.2024 on www.ireps.gov.in
8	Last date & time of online receipt of bid	15:00 Hrs. of 30.10.2024 on www.ireps.gov.in
9	Date and time of Online opening of Technical Bid	15.30 Hrs. of 30.10.2024 on www.ireps.gov.in
10	Validity of offer	90 Days from the date of opening of tender.
11	Security Deposit	5% of Contract value
12	Defect Liability Period	06 Months
13	Performance Bank Guarantee	Performance Guarantee (PG) have to be submitted within 21 (twenty-one) days from the date of issue of Letter of Acceptance (LOA), amounting to Five percent (5%) of the contract value in the form as given in clause 16.4 of GCC.
14	Address of Communication	Office of the Chief General Manager, Dedicated Freight Corridor Corporation of India Ltd.C-16, Khushi Vihar, Patrakar Colony, Mansarovar, Jaipur - 302020. Tel: 0141-7196245,0141-7196241,Website: www.dfccil.com
15	Help Desk for E-Tendering	For any clarification, help and registration for E-Tendering & matter relating to Digital Signature, contact at Help desk of www.ireps.gov.in and phone No.-011-23761525

16	Availability of Tender Documents	The Tender documents can be downloaded from www.ireps.gov.in Tenderer who wishes to view free Notification and Tender Documents can visit www.ireps.gov.in DFCCIL may issue Addendum (s)/Corrigendum (s) to the Tender document, if any, which shall be issued at least 15 days in advance of date of opening of tender and placed on the website www.ireps.gov.in only.
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SUMMARY OF PRICES

Name of work: Construction of Crew Rest Centre at New Phulera under jurisdiction of CGM/JP of WDFC.

Description	Value of Schedule (Rs.)
Construction of Crew Rest Centre at New Phulera under jurisdiction of CGM/JP of WDFC.	12,02,75,403.63

Note : The rates should be quoted single rate for tender.

Explanatory Notes for BOQ:

- (i) All CPWD DSR-2021 items contain item nos., if any discrepancy is found in nomenclature, rates, units etc. the description as given in CPWD DSR-2021 will prevail.
- (ii) The rates shall also be inclusive of all taxes (**Including 18% GST**) legally leviable and quoted any other taxes, octroi license fee and royalty charges etc. if any.
- (iii) **Contractor should bear the fact in mind while quoting the rates that GST will be paid by Contractor as per prevailing rate for further deposition of GST to State Govt. and/or Central Govt.** as applicable. Documentary evidence of deposition of GST will be produced by contractor.
- (iv) The contractor should adhere to **Anti Profiteering Provisions** as per section 171 of the CGST Act. In case due to change in the rates of GST / Change in law, the contractor gets any credits / benefits, the same shall be passed on to DFCCIL by way of reduction in prices.

SCHEDULE OF PRICES & TOTAL PRICES

Tender Schedule

Name of work:- Construction of Crew Rest Centre at New Phulera under jurisdiction of CGM/JP of WDFC.

S.N	Item	Description of work	UNIT	Rate	Quantity	Amount	Escallation (%)	Amount after Escallation
General Civil Work (Schedule-A DSR-2021)								
	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, lift upto 1.5 m, 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	286.85	2999.80	860,492.63	-12.73	750,951.92
	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 :						
2	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	7365.15	12.10	89,118.31	-12.73	77,773.55
3	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	6833.4	271.88	1,857,864.79	-12.73	1,621,358.60
	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :						
4	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size de rived from	cum	8364.2	625.25	5,229,716.05	-12.73	4,563,973.20

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		natural sources)						
	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :						
5	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	10185.05	1277.36	13,009,975.47	-12.73	11,353,805.59
	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	307.95	1127.67	347,265.98	-12.73	303,059.02
7	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	669.55	1036.48	693,975.18	-12.73	605,632.14
8	5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	766.55	4725.67	3,622,462.34	-12.73	3,161,322.88
9	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	608.35	3416.06	2,078,160.10	-12.73	1,813,610.32
10	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	804.25	2425.50	1,950,708.38	-12.73	1,702,383.20
	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:						
11	6.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	6882.00	452.16	3,111,765.12	-12.73	2,715,637.42
12	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	6658.25	254.65	1,695,523.36	-12.73	1,479,683.24
	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 :						
13	6.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	8512.1	392.80	3,343,552.88	-12.73	2,917,918.60
	6.12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :						

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14	6.12.2	cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	837.85	3831.70	3,210,389.84	-12.73	2,801,707.21
15	6.14	Extra for half brick masonry in superstructure, above floor V level for every four floors or part thereof by mechanical means.	sqm	12.6	2308.85	29,091.51	-12.73	25,388.16
16	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry	sqm	86.45	2308.81	199,596.62	-12.73	174,187.97
	8.2/8.2.2	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./Granite stone slab colour black, Cherry/Ruby red						
17	8.2.2.2	Area of slab over 0.50 sqm	sqm	4425.35	38.87	172,013.35	-12.73	150,116.05
18	8.31	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	1063.45	1385.26	1,473,154.75	-12.73	1,285,622.15
	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						

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		fastener shall be paid for separately).						
19	9.1.2	Sal wood	cum	106720.85	7.83	835,624.26	-12.73	729,249.29
	9.20.	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.						
20	9.20.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	3086.1	293.59	906,048.10	-12.73	790,708.18
	9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :						
21	9.47.1	20 mm dia (heavy type)	metre	152.65	195.93	29,908.71	-12.73	26,101.33
22	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	each	194.35	1110.00	215,728.50	-12.73	188,266.26
	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :						
23	9.74.2	200x10 mm	each	300.55	171.00	51,394.05	-12.73	44,851.59
24	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	723.8	105.00	75,999.00	-12.73	66,324.33
	9.81	Providing and fixing bright finished brass handles with screws etc. complete:						
25	9.81.1	125 mm	each	205.1	360.00	73,836.00	-12.73	64,436.68
26	9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	each	109.6	98.00	10,740.80	-12.73	9,373.50

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27	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	each	856.3	88.00	75,354.40	-12.73	65,761.78
	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :						
28	9.96.2	250x16 mm	each	234.9	12.00	2,818.80	-12.73	2,459.97
	9.147D	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's 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 required						

		size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made. Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable						
29	9.147D.3	Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension . (Area of window above 1.75 sqm upto 2.50 sqm).	sqm	7821.15	255.27	1,996,504.96	-12.73	1,742,349.88
	9.147F	Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall						

		and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealent shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made. Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.						
30	9.147F.1	Two track two panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm)	sqm	6882.4	253.90	1,747,441.36	-12.73	1,524,992.07
31	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	93.05	3354.99	312,181.82	-12.73	272,441.07
32	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, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on	kg	612.25	2729.96	1,671,418.01	-12.73	1,458,646.50

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		the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).						
	11.6	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.						
33	11.6.1	18 mm thick	sqm	570.75	778.90	444,557.17	-12.73	387,965.04
34	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	935.6	407.82	381,556.39	-12.73	332,984.26
35	11.37A	Providing and fixing 1st quality ceramic glazed floor 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	938.5	2587.13	2,428,021.50	-12.73	2,118,934.36
	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.						

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36	12.41.2	110 mm diameter	metre	319.75	298.30	95,381.43	-12.73	83,239.37
	12.42/ 12.42.1	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion./Coupler						
37	12.42.1.2	110 mm	each	119.95	99.00	11,875.05	-12.73	10,363.36
	12.42.5	Bend 87.5						
38	12.42.5.2	110 mm bend	each	132	26.00	3,432.00	-12.73	2,995.11
	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.						
39	12.43.2	110 mm	each	309.5	457.00	141,441.50	-12.73	123,436.00
	12.45	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm						

		centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :						
40	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	sqm	1145.95	1589.03	1,820,948.93	-12.73	1,589,142.13
	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :						
41	13.2.2	1:6 (1 cement: 6 fine sand)	sqm	324.3	11025.01	3,575,410.74	-12.73	3,120,260.95
	13.3	20 mm cement plaster of mix						
42	13.3.2	1:6 (1 cement: 6 fine sand)	sqm	382.1	5864.96	2,241,001.22	-12.73	1,955,721.76
	13.16	6 mm cement plaster of mix :						
43	13.16.1	1:3 (1 cement : 3 fine sand)	sqm	253.05	1716.00	434,233.80	-12.73	378,955.84

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44	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	sqm	214.3	11502.52	2,464,990.04	-12.73	2,151,196.81
	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :						
45	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	166.85	5977.53	997,350.88	-12.73	870,388.11
	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.						
46	13.83.2	Two coats	sqm	121.55	11593.32	1,409,168.05	-12.73	1,229,780.96
47	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	sqm	180.5	1507.76	272,150.68	-12.73	237,505.90
	16.5	Laying water bound macadam sub-base with brick aggregate and binding material, earth etc. including screening, sorting and spreading to template and consolidation with light power road-roller etc. complete.(payment for brick aggregate and moorum etc. to be made separately)						
48	16.5.2	Over burnt (Jhama) brick aggregate 90 mm to 45 mm	cum	725.6	261.46	189,715.38	-12.73	165,564.61
49	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	cum	8613.55	12.04	103,707.14	-12.73	90,505.22

		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 for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).						
	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.						
50	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	sqm	1011.2	1507.76	1,524,646.91	-12.73	1,330,559.36
	17.10/17.10.1	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 :/Kitchen sink with drain board						
51	17.10.1.1	510x1040 mm bowl depth 250 mm	each	6008.45	4.00	24,033.80	-12.73	20,974.30
	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing.						

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		This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge./Internal work - Exposed on wall						
52	18.7.3	25 mm nominal dia Pipes	metre	408.55	22.50	9,192.38	-12.73	8,022.19
53	18.7.4	32 mm nominal dia Pipes	metre	500.95	22.50	11,271.38	-12.73	9,836.53
	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, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge./Concealed work, including cutting chases and making good the walls etc.						
54	18.8.2	20 mm nominal dia Pipes	metre	513.75	911.25	468,154.69	-12.73	408,558.60
55	18.8.3	25 mm nominal dia Pipes	metre	626.05	126.65	79,289.23	-12.73	69,195.71
56	18.8.4	32 mm nominal dia Pipes	metre	712.75	81.47	58,067.74	-12.73	50,675.72
57	22.3	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) IIIrd course of applying blown or residual bitumen applied hot	sqm	774.25	555.34	429,972.00	-12.73	375,236.56

		at 1.7 kg. per sqm of area. (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).						
	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-						

		charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. "All above operations to be done in order and as directed and specified by the Engineer-in-Charge						
58	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	sqm	1522.95	1194.28	1,818,828.73	-12.73	1,587,291.83
Total Schedule A								63,199,384.24
Steel Bar (Schedule-B DSR-2021)								
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.						
1	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	89.65	226995.17	20,350,116.99	-12.73	17,759,547.10
Total Schedule B								17,759,547.10
NS Item (Schedule-C) (Civil)								
1	NS/1	Providing and fixing 12mm thick toughned glass door of saint gobain /modi guard or similar make using sevox /dorma make patch steel fittings complete in all respect including locks, patch fittings, floor springs of sevox / dorma make, 12" D type handles of stainless steel complete in all respects including etching on glass as per drawing (frameless).	Sqm	5379.87	22.65	121,854.06	-	121,854.06

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2	NS/2	Aluminium structural glazing work-providing and fixing of specially designed high performance semiunitized system using aluminium section of Jindal/Hindalco/Mahaveer make for main mullion, corner mullion, main transom and to & bottom transom for main frame based structural glazing, mullion and Transom-shall be out of aluminium section size of 63.5 x 58 x weight 1.350 kg/m Anodizing-The surface of aluminium section shall be finished with 50 micron pure polyester powder coating (of approved shade)- silicon-D/C 995/SSG 4000 structural sealent. Weather silicon-789/ ultra proof. single shutter section for glass panel-19.0 x19.0 x 0.250 kg/m M.S. clamp-size-75 x 75 x 6 with 10 mm Hilti fastners fixing for mullions. Glass 6mm thick Pyrolatic solar control coated heat reflective and toughened glass of saint Gobain make of approved shade. (Glasses to be fixed using spacer tape and sealing the glasse joints with 789 Dow coming weather proofing silicon)	sqm	3788.64	248.84	942,765.18	-	942,765.18
							Schedule-C	1,064,619.24
Bathrooms/WCs (Schedule-D)								
1	1/NS	Providing & fixing table top basin EBELLO ROUND of Hindware Cat. No. 91096 size 40.5 x 40.5x14 Cm or equivalent	No	6409.07	49.00	314,044.43	-	314,044.43
2	2/NS	Providing and fixing angular stopcock with wall flanges Cat. No. 5053 of Florentine of Jaguar make	No	1010.31	204.00	206,103.24	-	206,103.24
3	3/NS	Providing & fixing Bottle Trap (with Internal Partition) 32mm Size with 250mm & 190mm Long Wall Connection Pipes & Wall Flange Cat No. 769 L250x190 of Jaguar make.	No.	1149.50	81.00	93,109.50	-	93,109.50
4	4/NS	Providing and fixing waste coupling 32mm half/full thread of Cat No. 709/705 of Jaguar make.	No.	369.09	81.00	29,896.29	-	29,896.29

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5	5/NS	Providing and fixing PVC connection with CP brass nuts & washer suitable for hot & cold water 450mm long. Cat No. 805B Jaqure make	No.	257.27	74.00	19,037.98	-	19,037.98
6	6/NS	Providing and fixing heavy duty C.P. grating of size 125mm dia	No.	59.43	234.00	13,906.62	-	13,906.62
7	7/NS	Providing and fixing Towel rack 600 mm long Cat no . 1181 Jaqure.	No.	2270.08	32.00	72,642.56	-	72,642.56
8	8/NS	Providing and fixing wall mixture with provision for over head shower with 115mm log bend pipe and flanges cat no. 5273 florentine of jaguare make	No.	3960.71	32.00	126,742.72	-	126,742.72
9	9/NS	Providing and fixing concealed stopcock with adjustable wall flange 15mm dia Cat. No. 5083 of Florentine of Jaguare makes.	No.	470.75	24.00	11,298.00	-	11,298.00
10	10/NS	Providing and fixing wall hung European WC Hindware LARA Rimless (Star white) with chair and nut, bolt/fasteners complete with heavy duty seat of matching colour	No.	10428.43	52.00	542,278.36	-	542,278.36
11	11/NS	Providing and fixing concealed type dual flushing cistern make commander Somany or equivalent	No.	7101.90	52.00	369,298.80	-	369,298.80
12	12/NS	Providing and fixing Hand Shower (Health Faucet) with 1 Meter Long Easy Flex Tube in Chrome Finish & Wall Hook with NRV (Back Flow Preventer) Cat no. 579	No.	968.87	52.00	50,381.24	-	50,381.24
13	13/NS	S&F quarter turn C.P. bibcock Jaguar Florentine item No. Jequar -5047 or equivalent quality.	Each	1054.89	52.00	54,854.28	-	54,854.28
14	14/NS	Providing and fixing cat no. OHS-CHR-1709 Overhead Shower ø105mm Round Shape Single Flow with Air Effect (ABS Body & Face Plate Chrome Plated) with Rubit Cleaning System with shower arm 120mm dia ABS chrome plated of Jaguar make.	No.	2634.48	32.00	84,303.36	-	84,303.36
Total Schedule D								1,987,897.38
Other Non Schedule item (Civil) (Schedule-E)								
1	NS/1	Providing and fixing soap dish cera make - cat.no.F5003106	NOS	1180.06	32.00	37,761.92	-	37,761.92

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	NS/2	P&F rigid PVC Pipe (IS:4985 mark) classII / (4Kg. / Cm2.) approved quality / make including joining the pipe with solvent cement / lubricant.						
2	a	110mm dia	RM	944.00	620.25	585,516.00		585,516.00
3	b	75mm dia	RM	523.92	453.10	237,388.15		237,388.15
4	c	50mm	RM	371.70	64.10	23,825.97		23,825.97
5	d	160mm	RM	1598.90	332.26	531,250.51		531,250.51
	NS/3	Plain floor trap (nahani)						
6	a	110mm dia	each	218.30	225.00	49,117.50		49,117.50
	NS/4	P-trap						
7	a	110 mm dia	each	649.00	83.00	53,867.00		53,867.00
	NS/5	Gully trap						
8	a	110mm dia	each	944.00	8.00	7,552.00		7,552.00
9	NS/6	Metal hanging Clamp in GI with full thread bolt and fastner for Horizontal swr line work	each	177.00	787.00	139,299.00		139,299.00
	NS/7	Providing and fixing CPVC ball valve of approved quality and make						
10	a	20mm concealed ball valve	each	885.00	23.00	20,355.00		20,355.00
11	b	25 mm nominal bore	each	413.00	4.00	1,652.00		1,652.00
12	c	32 mm nominal bore	each	590.00	4.00	2,360.00		2,360.00
13	d	40 mm nominal bore	each	944.00	2.00	1,888.00		1,888.00
14	e	50 mm nominal bore	each	1298.00	2.00	2,596.00		2,596.00
15	f	65 mm nominal bore	each	1593.00	4.00	6,372.00		6,372.00
16	NS/8	Central Hole basin Long body Mixer - jaquar cat no. FLR-5005NB	each	8260.00	53.00	437,780.00		437,780.00
17	NS/9	FLAT BACK URINAL 60002SW HINDWARE	each	9440.00	28.00	264,320.00		264,320.00
18	NS/10	P&F CP BRASS URINAL SPREADER FOR STALL URINAL	each	955.80	28.00	26,762.40		26,762.40
19	NS/11	P&F CP BRASS WASTE COUPLING	Each	826.00	28.00	23,128.00		23,128.00
20	NS/12	P&F CP BRASS COPPER TUBE TO CONNECT SPREADER	each	354.00	28.00	9,912.00		9,912.00
21	NS/13	Urinal Bracket and screws	each	236.00	28.00	6,608.00		6,608.00
22	NS/14	P&F CP BRASS URINAL AUTO FLUSH COCK JAQUAR MAKE - CAT NO- 51083	Each	10372.20	28.00	290,421.60		290,421.60

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23	NS/15	PROVIDING AND FIXING PINK GRANITE URINAL PARTITION DOUBLE SLAB WITH EDGE POLISHED OF APPROVED DESIGN. SIZE 900X600 MM	Each	3245.00	18.00	58,410.00		58,410.00
24	NS/16	Providing and fixing lipping patti of size 32mm * 10mm on door frames	RM	82.60	968.80	80,022.88		80,022.88
	NS/17	Providing and fixing aluminium strip 150mm wide and 3mm thick to internal and external expansion joint opening and filling the gap with becker rod and silicon incl. the cost of scaffolding wherever necessary to complete the work in all respect.						
25	a	Internal	RM	1864.82	49.06	91,488.07		91,488.07
26	b	External	RM	3108.04	51.71	160,716.75		160,716.75
27	NS/18	Making drip course in granite	RM	89.51	590.00	52,810.90		52,810.90
	NS/19	Providing and fixing man hole chamber with ferro-cement cover for appropriate size		0.00				
28	a	300*300	Nos	1770.00	32.00	56,640.00		56,640.00
29	b	450*450	Nos	2596.00	9.00	23,364.00		23,364.00
30	c	600*600	Nos.	3540.00	13.00	46,020.00		46,020.00
31	d	600*750	Nos.	9440.00	1.00	9,440.00		9,440.00
32	e	750*900	Nos.	11800.00	1.00	11,800.00		11,800.00
33	NS/20	FLR-5165 S/L Sink Mixer Wall Mounted	NOS	8000.40	2.00	16,000.80		16,000.80
34	NS/21	FLR-5347N SinkCock Wall Mounted	NOS	4071.00	2.00	8,142.00		8,142.00
35	NS/22	Providing and fixing looking mirror 6mm thick with SS studs and edge polish complete	sqm	3850.42	25.00	96,260.50		96,260.50
36	NS/23	providing and fixing round towel ring Jaquar make - cat.no.ACN-1121BN -	nos	1243.97	25.00	31,099.25		31,099.25
37	NS/24	Supplying and filling sand in plinth and under floors including watering, ramming, consolidating and dressing complete	Cum	596.54	7564.68	4,512,634.21		4,512,634.21
	NS/25	Providing and fixing 25mm thick flame cut/machine cut for floors /stairs and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (Icement: 4coarse sand) with						

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		joints treated with white cement, mixed with matching pigment, epoxy touchups, including rubbing, curing etc. complete at all levels						
38	a	Granite Pink - Area of slab over 0.2 Sqm but upto 0.5 Sqm	Sqm	3539.55	395.58	1,400,175.19		1,400,175.19
39	b	Granite Pink - Area of slab over 1.0 Sqm but upto 2.0 Sqm Or larger	Sqm	3691.04	633.89	2,339,713.35		2,339,713.35
40	NS26	Supply, erection & commissioning of combined sewage treatment plant of 15KLD capacity Hybrid Technology (Bio-reactor with advance oxidation) including UV system & freight charges.	nos	1227647.93	1.00	1,227,647.93		1,227,647.93
Total Schedule-E								12,982,118.88
Electrification (Schedule-F)								
1	1	Supply of material and wiring of LP/TP/FP/Ex.Fan point with 2.5sqmm PVC single core multi-stranded copper wire insulated concealed in stone/brick masonry wall in 19/20 mm PVC conduit with 1.5sqmm PVC wire insulated copper for earth wire 1-way/2-way switch 5/6A as required and good quality ceiling rose including connection (MODULAR) as per spec	No.	381.55	1485.00	566,601.75		566,601.75
2	2	Supply and fixing 5/6A plug 5-pin 230V with switch, board and wiring with 2.5sqmm PVC CU cable as per spec.	No.	236.30	428.00	101,136.40		101,136.40
3	3	Supply and fixing 15/16A power socket with switch on flush type sheet metal box and connection as per spec	No.	232.21	56.00	13,003.76		13,003.76
4	4	Supply and fixing ceiling of fan regulator electronic type 5-step as per spec	No.	391.20	150.00	58,680.00		58,680.00
5	5	Supply and fixing 12 module plate for fixing of switches and sheet metal box of good quality concealed fixing of MS/PVC	No.	230.34	52.00	11,977.68		11,977.68
6	6	Supply and fixing 8 module plate for fixing of switches and sheet metal box of good quality concealed fixing of MS/PVC	No.	211.47	127.00	26,856.69		26,856.69
7	7	Supply and fixing 4 module plate for fixing of switches and sheet metal box of good quality concealed fixing of	No.	151.73	62.00	9,407.26		9,407.26

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		MS/PVC						
8	8	Wiring of sub-main with 2x2.5 sqmm PVC insulated, single core, multi-stranded copper wire in PVC conduit concealed and 1.5sqmm PVC insulated, single core, multi-stranded copper wire for earth wire as per spec	Mtrs.	70.68	5214.60	368,567.93		368,567.93
9	9	Wiring of sub-main with 2x4 sqmm PVC insulated, single core, multi-stranded copper wire in PVC conduit concealed and 1.5sqmm PVC insulated, single core, multi-stranded copper wire for earth wire as per spec	Mtrs.	107.18	1873.30	200,780.29		200,780.29
10	10	Supply, fixing and connecting modular type exhaust fan 250/300 mm as per spec	No.	750.26	58.00	43,515.08		43,515.08
11	11	Supply and providing Modular LED foot light in square SS body complete with 1 No. 1W Yellow LED and step down transformer	No.	765.02	40.00	30,600.80		30,600.80
12	12	Supply and fixing of 7W LED Tilt able Mirror light in Aluminum body with glass cover in sand gray finishin 6000k, Approx dimension 320x78x28mm ,catalogue no. LLT 004 - Make Ledlum, or equivalent .	No.	737.84	49.00	36,154.16		36,154.16
13	13	Supply & fixing of Recess mounted 36W (2feetx2feet) LED Luminaire comprising CRCA sheet steel housing with white powder coating complete with Electronic Driver and with small optical window added with high Translucent frosted diffuser. Having System wattage of 36W and System lumen efficacy of 100 Lumen/Watt complete with Electronic Driver. Operating voltage range 140 to 270 volt, THD<10%, Power factor>0.9 Cat No. LCTLRN-36-CDL or similar.	No.	1789.45	191.00	341,784.95		341,784.95
14	14	Supply and fixing of octagonal pole 5meter long ,hot dip galvanized with foundation, base plate with fixing of 1No.arms 1000mm for the fittings including smart pack junction box with 6A MCB and terminals as per spec	No.	6964.47	10.00	69,644.70		69,644.70

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15	15	Supply, installation testing and commissioning of decorative ceiling fan having 1200mm/1400 mm sweep Bajaj model grace gold DX as per sepc.	No.	1176.12	148.00	174,065.76		174,065.76
16	16	Supply and fixing of 2W,12V LED wall lamp with flexible pipe & an off switch on base which is made of stainless steel and head made of brass with stainless steel finish complete with driver reading light (Make:- Syska, Philips, Crompton)	No.	1126.17	40.00	45,046.80		45,046.80
17	17	Supply fixing, testing and commissioning of LED sleeksurface mounted round down light 18 watt etc. make Bajaj, CG, HAVELLS etc.	No.	1685.97	600.00	1,011,582.00		1,011,582.00
18	18	Supply and fixing of 18/20 LED tube light fitting, four feet with its driver and enclosure for in-door application	No.	309.25	220.00	68,035.00		68,035.00
19	19	Supply erection and connection of call bell 220/230V as per spec	No.	126.59	48.00	6,076.32		6,076.32
20	20	Supply of sub mono block pump set 10HP 3-phase, 415V AC with all accessories at site as per spec	No.	33431.87	2.00	66,863.74		66,863.74
21	21	Installation of pump set with GI pipe, Nut, bolts, washer, rubber packing, valve, copper cable etc as per spec	No.	3933.63	1.00	3,933.63		3,933.63
22	22	Supply and installation of automatic control panel with star delta starter for 10HP three-phase pump including connections and providing cable from main board to control panel and connection for WLG in open well as per spec	No.	15669.28	2.00	31,338.56		31,338.56
23	23	Supply fabrication fixing and installation of MS sheet sheet enclosure free standing outdoor type with heat dissipation sides 2 feet above ground level for control panel and accessories of 16 swg sheet size 120x70x60cms with painting and locking arrangement and foundation with installation of automatic control panel inside the box as per spec	No.	10187.49	1.00	10,187.49		10,187.49

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24	24	Supply and fixing of Electric stroage water (Geyser) capacity 15 Ltr. Vertical element capacity.	No.	5483.11	22.00	120,628.42		120,628.42
		Power distribution arrangement						
25	25	Supply, fixing, testing and commissioning of distribution board with incoming 32A, single phase ,DP MCB and outgoing 8Nos. Single pole MCB 6-16 as per spec	No.	1954.88	12.00	23,458.56		23,458.56
26	26	Supply, fixing, testing and commissioning of Distribution Board double door, 3-phase and neutral with incoming 63A 4-pole MCB and outgoing 12Nos. MCB 6-32A single pole as per spec.	No.	4782.74	14.00	66,958.36		66,958.36
		Power supply arrangement						
27	27	Supply installation, testing and commissioning of 11KV outdoor ring main unit, manual type, 630A, 20KA , 2 incomers and 2 output consisting of all VCB make-ABB or similar as per spec	No.	699004.61	1.00	699,004.61		699,004.61
28	28	Supply installation, testing and commissioning including foundation of bricks mansonry of outdoor readymade compact substation enclosure non walk-in type fabricated by GI steel shall house the following accessories (1) 11KV, 630A, 21KA/3 sec ring main unit consisting of 1 incoming T-off VCB/SF-6 & 2 no. on load isolators (with key interlocking mechanism) with air insulated metering module (2) 250 KVA 11KV/0.415KV hermetically sealed ONAN type transformer with off circuit tap swith (3) LT panel shall consist of 1 no. incoming of 400A, 4P, 35KA 415V, MCCB manual microprocessor fixed type & outgoing of 4 Nos 100A, 4P, MCCB and 1 No 4P, 400A MCCB (4) APFC panel of 70 KVAR as per spec	No.	1388144.82	2.00	2,776,289.64		2,776,289.64

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29	29	LT Distribution panel supply and providing LT distribution panel board of MS sheet 1.6mm consisting 2x400A 4-pole 36KA MCCB as incoming and 10x 100A 4-pole 36KA MCCB as outgoing having suitable size copper bus bar and 3-phase 50A electronic digital energy meter 2 no. in incoming indicating lamp with a-meter, V-meter, ASS/VSS, CT, selector switches, copper bus and earth bus etc. as required railway complete in all respect. All MCCBs should be of load adjustable feature.	No.	174530.27	2.00	349,060.54		349,060.54
30	30	Supply, fixing, testing and commissioning of Manual change over switch - 1000A ,4P (on Load type)	No.	68347.12	1.00	68,347.12		68,347.12
31	31	Laying of LT/HT Cable IN AIR / Pipe/ Wall/tray as per spec	Mtrs.	17.86	600.00	10,716.00		10,716.00
32	32	Horizontal Directional Drilling (HDD)/Boring and trenchless cabling. Supply, transportation and insertion of self lubricated HDPE pipe and laying of cables in boring under the track /road /ground/ masonry building by using self lubricated HDPE pipe of 120mm outer dia and 103.5mm inner dia in the bore and laying of cables in the bore under the track/road/ground/masonry building. The depth of horizontal boring should be minimum 1 mtr from rail flange/road level/ground, as per site requirement.	M	1117.63	567.00	633,696.21		633,696.21
33	33	Laying testing commissioning of 11/33kv HT XLPE cable in air ground/in trench spun pipe with transportation from main depot to required site as per spec	M	83.88	617.00	51,753.96		51,753.96
34	34	Digging and filling of trench size 0.4x1.2 mtr as per spec (trench work may be on kuchha/pucca and land and all type of soil as per site requirement and without protective layer of brick) surface of trench shall be made good in all respect and	M	36.50	500.00	18,250.00		18,250.00

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		satisfaction of site engineer.						
35	35	Supply of LT cable size 4x300 sqmm .	M	1894.32	183.00	346,660.56		346,660.56
36	36	Supply of LT cable size 4x16 sqmm .	M	151.55	425.00	64,408.75		64,408.75
37	37	Supply of LT cable size 4x35 sqmm .	M	255.73	191.00	48,844.43		48,844.43
38	38	Supply of LT cable size 4x70 sqmm.	M	454.64	193.00	87,745.52		87,745.52
39	39	Supply of 11KV. HT cable size 3x70 sqmm	M	748.26	617.00	461,676.42		461,676.42
40	40	Supply fixing and commissioning of HT XLPL heat shrinkable type cable end box indoor type size 50 to 120 sqmm as per spec	Set	4493.05	8.00	35,944.40		35,944.40
41	41	Supply & providing copper plate earthing 4 metre deep, copper plate size 600x600x3 mm as per spec.	No.	4879.83	12.00	58,557.96		58,557.96
42	42	Supply and fixing of Copper Earth Flat strip size 25x3mm as per spec.	Mtr	230.67	197.00	45,441.99		45,441.99
43	43	Supply and providing GI pipe earthing of 4 meter length as per spec	No.	1550.24	12.00	18,602.88		18,602.88
44	44	Supply and fixing of 250 KVA 3 phase liquid cooled Diesel Generator set with AMF control Panel make cummins or similar	No	3201804.81	1.00	3,201,804.81		3,201,804.81
Total Schedule F								12,483,691.89
Fire Fighting Work (Schedule-G)								
1	NS 1	Providing and fixing 25 mm dia single action air release valve at the top of Risers.	Nos.	5022.79	2.00	10,045.58		10,045.58
	NS 2	Providing and laying M.S. (Heavy duty C class) pipe IS: 1239 marked including all accessories such as screwed/welded flanges, tees, reducers etc. conforming to IS : 1239 complete including painting welding , jointing and compressed asbestos gaskets, nuts, bolts etc. as required. The pipe shall be painted with one coat of Primer & two coats of post office red primer paint fixed in ceiling , walls, columns for all heights with hangers/supports and fasteners. Including excavation of trench 01 Mts deep & back filling of removed surplus soil & repairing up to original condition.						

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2	(a)	100 mm dia pipe	Mts	1148.91	355.00	407,863.05		407,863.05
3	(b)	80 mm dia pipe	Mts	827.82	6.00	4,966.92		4,966.92
4	NS 3	Providing and fixing single headed hydrant valves with flanged inlet ISI marked with 63 mm female instantaneous outlet of stainless steel complete with blank cap and chain conforming to IS : 5290.	Nos.	6362.08	18.00	114,517.44		114,517.44
5	NS 4	Providing 63 mm dia 15 M long reinforced rubber hose pipe conforming to IS : 636-1962, Part- /A & ISI marked with stainless steel male & female coupling wire wound with the pipe.	Nos.	3904.20	12.00	46,850.40		46,850.40
6	NS 5	Providing and fixing Swinging drum type hose reel ISI marked 30 M (Length , 20 mm dia rubber lined pipe with shut off nozzle of 6 mm dia including the cost of 25 mm dia pipe connection from riser to hose reel , all sockets , nipples, elbows .	Nos.	8183.47	12.00	98,201.64		98,201.64
7	NS 6	Providing and fixing 63 mm dia instantaneous pattern stainless steel short branch pipe , nozzle conforming to IS 903 , suitable for inter connection to hose pipe coupling complet as required.	Nos.	1273.93	17.00	21,656.81		21,656.81
8	NS 7	Providing and fixing ISI marked two way fire brigade inet to down comer with non return valve complete in all respects.	Nos.	9073.80	1.00	9,073.80		9,073.80
9	NS 8	Providing and fixing CI non return valve complete with bolts nuts washers and compressed asbestos gasket etc as required./100mm dia	Nos.	4667.61	2.00	9,335.22		9,335.22
10	NS 9	Providing and fixing Butrerfly valve with cast iron body, cast iron disc and seat of nitrile rubber bonded on bakelite with hard back to PN 1.6 rating with following sizes complete gasket as required./100 mm dia	Nos.	3968.60	3.00	11,905.80		11,905.80
11	NS 10	Providing and fixing metal ball valve sutable for pressure 15 Kg/cm2 and confirming to IS 778 of the following size including providing necessary union / flange./25 mm dia pipe	Nos.	775.72	12.00	9,308.64		9,308.64

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12	NS 11	SITC of electric driven Down commer pump at terrace lable suitable for auto-matic operation consisting of the following. A) Horizontal centrifugal suction type pump complete for delivery of below mentioned discharge. B) Squirrel cage induction motor sutable for 415 V 50 Hz , AC supply of below mentioned for the pump , 2900 RPM T.E.F.C. confirming to IP:55 and flexible coupling and coupling guard with the pump./900 LPM at 30-35 Mtr Head	Nos.	66997.41	1.00	66,997.41		66,997.41
13	NS 12	SITC of diferential pressure type pressure switches.	Nos.	2158.58	1.00	2,158.58		2,158.58
14	NS 13	Providing & fixing 100 mm dia pressure Gauge on pump delivery line complete with shut off cock	Nos.	944.32	1.00	944.32		944.32
15	NS 14	SITC of Electric Panel for fire pump including sutable bus bar, MCCB of sutable rating with volt meter and ampere meter , three phase supply , auto manual selector switch , suitable star delta starter with over-load relay, single phase preventor.	Nos.	15962.50	1.00	15,962.50		15,962.50
16	NS 15	SITC of Electric Hooter (agni Suraksha)	Nos.	561.67	12.00	6,740.04		6,740.04
17	NS 16	SITC of MCP (Manual call point) agni Suraksha	Nos.	404.44	12.00	4,853.28		4,853.28
18	NS 17	SITC of manual fire alarm panel zone 8 with open , short , earth fault circuit (agni suraksha)	Nos.	15288.12	2.00	30,576.24		30,576.24
19	NS 18	Laying of LT/HT cables As per specification./In air	Mtr.	20.84	142.00	2,959.28		2,959.28
20	NS 19	Providing & fixing air vessel 250mmx1200 mm high with desired top made of minimum 10 mm thick MS pipe complete with brass air valve, stop valve, pressure gauge including all accessories as required.	Nos.	12859.60	1.00	12,859.60		12,859.60
21	NS 20	Providing & fixing pipe protection warping coating for underground pipes 80 mm & 100 mm dia	Mtr	240.58	30.00	7,217.40		7,217.40
22	NS 21	Providing and fixing 8 SWG dia G.I. wire on surface	Mtr	39.78	200.00	7,956.00		7,956.00
23	NS 22	Supply of copper flat cable size 3x6mmsq as per spec	Mtr	73.88	100.00	7,388.00		7,388.00
							Total Schedule G	910,337.95

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		HVAC System- (Schedule-H)						
1	1	Supply, installation, testing and commissioning of 5 star rated split type 1.5 ton air conditioners as per spec	Each	38833.59	40.00	1,553,343.60		1,553,343.60
2	2	Supply and installation of cassate type units of 3 TR capacity having indoor/outdoor complete with cordless remote control and with in built heating and cooling arrangement scroll compressor	Each	145846.65	15.00	2,187,699.75		2,187,699.75
3	3	Supply and installation of copper pip with nitril insulation having specification of 19.05mm OD for suction line and 12.7 mm OD for liquid line with drian pipe and connecting wire	Mtr.	1797.55	118.16	212,398.51		212,398.51
4	4	Testing and commissioning of 3 TR cassate unit inclusive first charging of refrigerant if required	Nos	5719.48	15.00	85,792.20		85,792.20
5	5	Supply and installation of cassate type units of 1.8/2.0 capacity having having indoor/outdoor complete with cordless remote control and with in built heating and cooling arrangement scroll compressor	Nos	56465.93	15.00	846,988.95		846,988.95
6	6	Testing and commissioning of 1.8/2.0 TR cassate unit inclusive first charging of refrigerant if required	Nos	2685.20	15.00	40,278.00		40,278.00
7	7	Supply and installation of copper pip with nitril insulation having specification 15.88 OD for suction line and 6.35mm OD for liquid line with drian pipe and connecting wire	Mtr.	989.69	96.31	95,317.04		95,317.04
8	8	Supply and fixing of CPVC pipe 25 mm dia or split AC condensate water drain including cutting/making hole in wall, laying of CPVC pipe with elbow TEE reducer, socket etc. as per site requirement	Mtrs.	242.32	432.33	104,762.21		104,762.21
9	9	Supply and fixing of PVC conduit pipe size 25mm dia thickness 1.6mm ISI marked concealed in wall as per spec	Mtrs.	18.64	418.18	7,794.88		7,794.88
10	10	Supply and laying of Electrical copper cable 2.5 sqmm/3 core as spec	Mtrs.	55.14	418.18	23,058.45		23,058.45

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11	11	Supply & installation of refrigerent copper piping with insulation (size 1/2" & 1/4") as per spec	Mtrs.	543.67	203.71	110,751.02		110,751.02
12	12	Supply & laying of communication cable 4 core 1 sqmm as per spec	Mtrs.	85.43	118.16	10,094.41		10,094.41
13	13	Supply & fixing of outdoor unit stand for installation of air conditioner outdoor unit as per spec	No.	582.50	70.00	40,775.00		40,775.00
Total Schedule H								5,319,054.02
LIFT in Crew Running Room- (Schedule-I)								
1	1	Supply, Installation, testing and commissioning of 6 passenger ,6 Stops(Ground+5 floor)(Gearless, machine room less) having constant speed of 1.0 mps serving different floors in the lift shaft as per detailed specifications	Nos.	1420741.07	1.00	1,420,741.07		1,420,741.07
2	2	Supply, Installation, testing and commissioning of 13 passenger ,6 Stops(Ground+5 floor)(Gearless, machine room less) having constant speed of 1.0 mps serving different floors in the lift shaft as per detailed specifications	Nos.	1752247.32	1.00	1,752,247.32		1,752,247.32
Total Schedule I								3,172,988.39
NS items electrical (Schedule-J)								
	1	Supply and fixing plate for fixing of switches and sheet metal box of good quality concealed fixing of MS/PVC						
1	a	1M	nos	148.68	12.00	1,784.16		1,784.16
2	b	2M	nos	148.68	176.00	26,167.68		26,167.68
3	c	6M	nos	325.68	110.00	35,824.80		35,824.80
4	d	18M	nos	784.70	8.00	6,277.60		6,277.60
5	e	3M	nos	160.48	115.00	18,455.20		18,455.20
6	2	looping work for light point	RM	215.76	1397.30	301,481.45		301,481.45
	3	telephone point		0.00				
7	a	25mm conduit	RM	78.70	1494.45	117,613.22		117,613.22
8	b	2 pair unarmoured cable	RM	55.64	1164.80	64,809.47		64,809.47
9	c	Telephone Jack	each	47.50	48.00	2,280.00		2,280.00
10	d	20 pair unarmoured cable	RM	233.41	142.65	33,295.94		33,295.94
11	e	Tag block	each	502.09	6.00	3,012.54		3,012.54
	4	AC Circuit wiring						
12	a	2/1.5 ton AC (2*4sqm + 2.5 sqmm)	RM	267.50	1569.20	419,761.00		419,761.00
13	b	3 ton AC (3*4sqmm)	RM	298.54	567.00	169,272.18		169,272.18

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14	c	32 amp DP switch (legrand Cat no – 673426)	each	206.94	55.00	11,381.70		11,381.70
15	5	providing and fixing street light	each	5402.71	10.00	54,027.10		54,027.10
16	6	Providing and Fixing ELCB 40amp	each	2914.90	2.00	5,829.80		5,829.80
17	7	Providing and fixing 100amp aluminium busbar	each	2419.83	15.00	36,297.45		36,297.45
18	8	providing and fixing 8swg copper wire for earthing work	rm	142.08	170.00	24,153.60		24,153.60
19	9	25*3 copper strip for earthing	rm	211.99	170.00	36,038.30		36,038.30
20	10	8swg GI wire for earthing work	rm	39.20	65.00	2,548.00		2,548.00
21	11	25*3 GI strip for earthing	rm	143.59	65.00	9,333.35		9,333.35
22	12	Providing and fixing 10mm copper wire	RM	161.20	100.00	16,120.00		16,120.00
							Total Schedule-I (NS Electrical)	1,395,764.54
							Total Schedule (A+B+C+D+E+F+G+H+I+J)	120,275,403.63

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