

NIT.NO.17/EEC/CCW/AIR/CHN/NIT/2026-27						
Name of work: Renovation of Gents toilet at ground floor of 200 KW Transmitter building at HPT, Akashvani, Avadi, Chennai - 600 062.						
Name of the Contractor						
SL No.	DESCRIPTION	QTY		RATE	UNIT	AMOUNT
1	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.					
	a) All kinds of soil.	1.50	cum		cum	0.00
2	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:					
	a) All kinds of soil					
	(i) Pipes, cables etc, not exceeding 80 mm dia.	15.00	metre		metre	0.00
3	Providing and laying in position excluding cement concrete of level: specified grade the cost of centering and shuttering - All work up to plinth					
	a) 1:5:10 (1 cement : 5 coarse M-sand derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	1.50	cum		cum	0.00
4	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	0.15	cum		cum	0.00

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5	Centering and shuttering including strutting, propping etc. and removal of form for					
	a) Suspended floors, roofs, landings, balconies and access platform	2.00	sqm		sqm	0.00
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					
	a) Thermo-Mechanically Treated bars of grade Fe-500D or more.	20.00	kg		kg	0.00
7	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in foundation and plinth in:					
	a) Cement mortar 1:6(1 cement :6 coarse M-sand)	1.00	cum		cum	0.00
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in superstructure above plinth level up to floor V level.					
	a) Cement mortar 1:4(1 cement :4 coarse M-sand)	9.00	sqm		sqm	0.00
9	Extra for providing and placing in position 2 Nos 6 mm dia. M.S. bars at every third course of half brick masonry.	9.00	sqm		sqm	0.00
10	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 of edges to give high gloss finish etc. complete at all levels.					
	a) Granite stone slab of colour black, Cherry/Ruby red					
	i) Area of slab over 0.50 sqm	2.00	sqm		sqm	0.00

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SL No.	DESCRIPTION	QTY		RATE	UNIT	AMOUNT
11	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.	2.00	Nos		each	0.00
12	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.					
	a) Granite Stone of approved shade	1.50	sqm		sqm	0.00
13	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 M-sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	45.00	sqm		sqm	0.00
14	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).					
	a) Second class teak wood	0.04	cum		cum	0.00

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SL No.	DESCRIPTION	QTY		RATE	UNIT	AMOUNT
20	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :					
	a) 100 mm	6.00	nos		each	0.00
21	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. Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for (i) Sites with basic wind speed > 45 m/sec as per IS 875 — Part 3 (ii) Sites with structure height more than 20m for all wind speeds					

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SL No.	DESCRIPTION	QTY		RATE	UNIT	AMOUNT
	a) Ventilator Casement window single panel with or without fixed panel with S.S. 304 friction hinges as per size and weight of sash, single point locking zinc alloy (zannak) powder coated handles.					
	i) Using R1 series with frame (33 mm & above) x (35 mm & above) & sash /mullion (33 mm & above) x (50 mm & above). (Height upto 0.90 metre).	1.00	sqm		sqm	0.00
22	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with:					
	a) 4.0 mm thick glass panes	1.00	sqm		sqm	0.00
23	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 all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.	11.00	sqm		sqm	0.00
24	15 mm cement plaster on the rough side of single or half brick wall of mix:					
	a) 1:6 (1 cement: 6 fine sand)	45.00	sqm		sqm	0.00
25	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
	a) Two or more coats on new work	12.00	sqm		sqm	0.00
26	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.	10.00	sqm		sqm	0.00

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SL No.	DESCRIPTION	QTY		RATE	UNIT	AMOUNT
27	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.					
	a) Two coats	50.00	sqm		sqm	0.00
28	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.					
	a) With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	50.00	sqm		sqm	0.00
29	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	50.00	sqm		sqm	0.00
30	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.					
	a) With cement mortar 1:4 (1cement: 4 coarse sand)	4.00	sqm		sqm	0.00
31	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in- charge.	2.00	Nos		each	0.00
32	Dismantling W.C. Pan of all sizes including disposal of dismantled materials including malba all complete as per directions of Engineer-in-Charge.	1.00	no		each	0.00

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SL No.	DESCRIPTION	QTY		RATE	UNIT	AMOUNT
33	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer-in-Charge. (a) Internal Work-Exposed on wall	20.00	metre		metre	0.00
34	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.					
	a) Nominal concrete 1:4:8 or leaner mix (including equivalent design mix)	1.50	cum		cum	0.00
35	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.					
	a) In cement mortar	1.00	cum		cum	0.00
36	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :					
	a) Of area 3 sq. metres and below	5.00	nos		each	0.00
37	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.					
	a) For thickness of tiles 10 mm to 25 mm	50.00	sqm		sqm	0.00
38	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	3.00	nos		each	0.00

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39	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.	10.00	cum		cum	0.00
40	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					
	a) Flexible pipe					
	i) 32 mm dia	4.00	nos		each	0.00
41	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :					
	a) Rectangular shape 1500x450 mm	1.00	no		each	0.00
42	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 litre 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.	1.00	no		each	0.00

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SL No.	DESCRIPTION	QTY		RATE	UNIT	AMOUNT
43	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.					
	a) 20 mm nominal dia Pipes	25.00	metre		metre	0.00
	b) 25 mm nominal dia Pipes	35.00	metre		metre	0.00
44	Providing and fixing brass stop cock of approved quality :					
	a) 15 mm nominal bore	1.00	No		each	0.00
45	Providing and fixing uplasticised PVC connection pipe with brass unions:					
	a) 45 cm length					
	i) 15 mm nominal bore	5.00	nos		each	0.00
46	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.					
	a) 15 mm nominal bore	3.00	nos		each	0.00
47	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931					
	a) 15 mm nominal bore	6.00	nos		each	0.00
48	Providing and fixing PTMT grating of approved quality and colour.					
	a) Rectangular type with openable circular lid					
	i) 150 mm nominal size square 100 mm diameter of the inner hinged round grating	6.00	nos		each	0.00

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SL No.	DESCRIPTION	QTY		RATE	UNIT	AMOUNT
49	Cutting holes up to 30x30 cm in walls including making good the same:					
	a) With common burnt clay F.P.S. (non modular) bricks	2.00	nos		each	0.00
50	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	4.00	metre		metre	0.00
51	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):					
	a) With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	1.00	sqm		sqm	0.00
52	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/ Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm ² , modulus of elasticity 900 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately). Note: For WPC solid door/window frames, minus 5 mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.					
	a) Frame size 50 x 100 mm	10.00	metre		metre	0.00

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53	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on one face of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately)					
	a) 30 mm thick	6.00	sqm		sqm	0.00
54	Providing and fixing urinal valve auto closing system equivalent make all complete as per the direction of the Engineer-in-charge-15mm nominal bore.	2.00	Nos		Each	0.00
55	Providing and fixing half stall urinal parry ware C05831C (Magnum urinal combo), including spreader and dome waste as per the direction of the Engineer-in-charge.	2.00	Nos		each	0.00
56	Providing and fixing SWR PVC trap of self cleansing design including cost of cutting and making good the walls and floors as per the direction of Engineer-in-charge.					
	a) 100mm inlet and 75mm outlet	6.00	Nos		each	0.00

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SL No.	DESCRIPTION	QTY		RATE	UNIT	AMOUNT
57	Providing and Fixing SWR(Type-B) IS 13592 PVC pipes with solvent cement as per the direction of Engineer-in-charge.					
	a) 40 mm diameter	5.00	metre		metre	0.00
	a) 75 mm diameter	15.00	metre		metre	0.00
	b) 110 mm diameter	5.00	metre		metre	0.00
58	Providing and Fixing C.P Brass health faucet(JAQUAR) with 1.20m long hose as per the direction of Engineer-in-charge.	1.00	No		each	0.00
59	Providing and fixing PVC corner beading of size 8mm*28mm in ceramic glazed wall tile works at corners as per the direction of Engineer in charge.	15.00	metre		metre	0.00
60	Providing and Fixing PVC moulded fittings including jointing with solvent cement as per the direction of Engineer-in-charge.:					
	a) SWR Coupler					
	i) 75 mm	2.00	Nos		each	0.00
	ii) 110 mm	2.00	Nos		each	0.00
	b) SWR bend 87.5° with door					
	i) 75 mm	2.00	Nos		each	0.00
	ii) 110 mm	2.00	Nos		each	0.00
	c) SWR bend 87.5° without door					
	i) 75 mm	2.00	Nos		each	0.00
	iii) 110 mm	2.00	Nos		each	0.00
61	Providing and fixing C.P towel rail of parware or equivalent complete with brackets fixed with CP brass screws with concealed fittings arrangement of approved quality and colour					
	a) 600 mm long towel rail with total length of 650 mm, 64.5mm wide	1.00	No		each	0.00

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SL No.	DESCRIPTION	QTY		RATE	UNIT	AMOUNT
62	Providing and fixing 508x127mm glass shelf of parryware brand (Model No: T6009A1) or equivalent 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.					
	a) Standard Straight Shelf	1.00	No		each	0.00
63	Providing and fixing Swan neck pillar cock with necessary fittings of approved brand (parryware or equivalent) and manufacturer as directed by Engineer- in - charge	2.00	Nos		each	0.00
64	Providing and fixing white or approved colour Vitreous china oval shape under counter washbasin of approved make with 32 mm C.P. brass waste coupling with bottle trap of 32 mm size with 300 mm & 190 mm long wall connection pipes & wall flange including cutting and making good the walls wherever required. The work shall be carried out as per manufacturer specification and as per direction of Engineer in-charge.	2.00	Nos		each	0.00
65	Providing and fixing SWR gully trap of self cleansing design with grating as per the direction of Engineer -in- Charge					
	a) 110mm inlet 75mm outlet	1.00	No		each	0.00
66	Providing and fixing C.P shower arm with shower rose 100dia of approved quality complete as per the direction of the Engineer-in-charge.	1.00	No		each	0.00
67	Providing and Fixing CP Brass flange as per he direction of the Engineer-in-charge.	10.00	Nos		each	0.00
TOTAL						0.00