Name of Work:- Extension and renovation of the existing bathroom to create separate bathrooms for ladies and gents for the control room of 132 kV GSS, Dispur, AEGCL.

Name of Bidder:-		

Sl. No.			Desc	ription of It	em						Qnty	Unit	Rate	Amount
(A)	CIVIL WORKS													
1	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.													
	15.7.4 In cement mortar Partition wall	2	x	0.50	х	2.10	x	0.125	=	0.26				
	External wall	1	x	3.40	x	3.20	x	0.125	=	1.36				
								Total	=	1.62	1.62	cum		
2	Earth work in excavation by mechar as well as 10 sqm on plan) including earth lead upto 50 m and lift upto 1 2.6.1 All kinds of soil	getting out and dis	posal of e	excavated	ial means	over areas (	(exceedin	g 30 cm in de	pth, 1.5	5 m in width				
	Footing Tie beam	2	x x	0.60 6.40	x x	0.60 0.20	x x	0.90 0.20 Total	= = =	0.65 0.26 0.91	0.91	cum		
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.													
	bathroom area	1	x	3.40	х	1.50	x	0.60 Total	=	3.06	3.06	cum		
4	Dry brick on edge flooring in requir with Jamuna sand, with common bu				ion 7.5 oı	n a bed of 1	2 mm mu	ud mortar, ind	cluding	filling joints				
	Footing			2	Х	0.60	X	0.60	=	0.72				
	Tie beam			1	x	6.40	x	0.20	=	1.28				
	Floor area			1	x	3.40	х	1.50	=	5.10				
5	Centering and shuttering including s	strutting, propping e	etc. and re	emoval of fo	orm for			Total	=	7.10	7.10	sqm		
	5.9.1 Foundations, footings, bases o	f columns, etc. for r	nass cond	crete										
	Footing	2	х	4	x	0.60	x	0.10	=	0.48				
	Tie beam			2	x	6.40	x	0.20	=	2.56	2.04			
	5.9.6 Columns, Pillars, Piers, Abutme	ents Posts and Stru	ts					Total	=	3.04	3.04	sqm		
	Column	2	X	4	х	0.125	x	3.50	=	3.50				

l	Lintel	1	x	2	x	12.50	¥	0.13	=	3.13	İ		1
	Effect	-	^	-	^	12.50	Α	Total	=	6.63	6.63	sqm	
6													
	Steel reinforcement for R.C.C. work including	ng straighte	ning, cutti	ng, bending	, placing i	in position a	nd bindin	g all complete	e upto p	olinth level.			
	5.22.6 Thermo-Mechanically Treated bars of grade Fe-500D or more												
	Footing 2 x	2	X	5	x	0.60	x@	0.39	=	4.68			
	Column	2	X	4	X	3.50	<u>x@</u>	0.89	=	24.92			
	Stirrup	2	x	23	X	0.50	<u>x@</u>	0.39	=	8.97			
	·												
	Tie Beam	1	Х	4	Х	6.40	<u>x@</u>	0.89	=	22.78			
	Stirrup	1	x	43	x	0.90	<u>x@</u>	0.39	=	15.09			
	Lintel	1	х	4	x	12.50	<u>x@</u>	0.62	=	31.00			
	Stirrup	1	x	83	x	0.50	<u>x@</u>	0.22	=	9.13			
								Total	=	116.57	116.57	Kg	
7	Reinforced cement concrete												
	Reinforced cement concrete work in beam				•	•	•	•	-				
	bands, plain window sills, staircases and												
	shuttering, finishing and reinforcement with			: 1.5 coarse	sand(zoi	ne-III) derive	ed from n	atural source	es : 3 g	raded stone			
	aggregate 20 mm nominal size derived from		urces).										
	Footing	2	Х	0.60	Х	0.60	Х	0.10	=	0.07			
	Column	2	Х	0.125	Х	0.125	Х	3.50	=	0.11			
	Tie Beam	1	Х	0.20	х	0.20	х	6.40	=	0.26			
	Lintel	1	х	0.125	х	0.125	х	12.50	=	0.20			
	Brick work with common burnt clay F.P.S. (I	aan madula	r) bricks o	f class dosin	nation 7	C in foundat	ion and n	Total	=	0.64	0.64	cum	
8	6.1.1 Cement mortar 1:4 (1 cement : 4 coar		i) blicks c	ii ciass uesig	nation 7.	3 III IOUIIUat	ion and p	IIII(II III.					
	0.1.1 Cement mortar 1.4 (1 cement . 4 coar	1	x	3.40	x	0.60	х	0.23	=	0.47			
		3	x	1.50	X	0.60	X	0.23	=	0.62			
		J	^	1.50	Α	0.00	~	Total	=	1.09	1.09	cum	
9	Half brick masonry with common burnt clay	F.P.S. (non	modular)	bricks of cla	ass design	nation 7.5 in	foundation		n in :				
	6.12.2 cement mortar 1:4 (1 cement : 4 coa		,		Ü			•					
				1	x	3.40	х	3.20	=	10.88			
				1	x	1.50	х	3.20	=	4.80			
				2	X	2.10	х	3.20	=	13.44			
				1	x	3.40	X	2.90	=	9.86			
	Less door			2	х	0.80	х	2.10	=	-3.36			
				2	x	0.60	x	0.45	=	-0.54			
				2	^	0.00	^	Total	=	35.08	35.08	sqm	
10	15 mm cement plaster on rough side of sing 13.8.2 1:4 (1 cement: 4 fine sand)	gle or half b	rick wall f	inished with	a floating	g coat of nea	at cement			33.00	33.03	34111	
	Plinth Wall			1	х	3.40	х	0.60	=	2.04			
				3	x	1.50	х	0.60	=	2.70			

	Main Wall		2	x	35.080	=	70.16			
							74.90	74.90	sqm	
11	Providing and applying white cement based putty of average thickness	1 mm, of ap	proved brai	nd and m	nanufacturer	, over th			54	
	wall surface to prepare the surface even and smooth complete.									
							70.16	70.16	sqm	
12	Finishing walls with Acrylic Smooth exterior paint of required shade:					1-0-2-2	01-/10			
	13.4.6.New work (Two or more coat applied @ 1.67 ltr/10 sqm over and in sqm)	iciuaing prin	ning coat or	exterior	primer appii	ea @ 2.2	0 kg/10			
	34111)					=	70.16	70.16	sqm	
14									34	
	62 mm thick cement concrete flooring with concrete hardener topping, coarse sand: 4 graded stone aggregate 20mm nominal size) and top lay									
	hardener mix: 2 graded stone aggregate, 6mm nominal size) by volume,									
	per manufacture's specifications. This includes cost of cement slurry, but of	•	•		•	•				
	1		1.50		2.40	_	F 10			
	1	Х	1.50	Х	3.40 Total	=	5.10 5.100	5.100	sqm	
15	Providing and laying Vitrified tiles in floor in different sizes (thickness to b	e specified I	by the manu	ıfacturer)		absorption		3.100	34111	
	0.08% and conforming to IS:15622, of approved brand & manufacturer, in									
	colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement									
	including grouting the joints with white cement and matching pigments	nond cutter								
	only . Laying of tiles will be done with the notch trowel, plier, wedge, c	lips of requi	red thickne	ss, levelir	ng system ar	nd rubbe	r mallet for			
	placing the tiles gently and easily.									
	11.41A.3 Glazed Vitrified tiles Matt/Antiskid finish of size 11.41A.3.1 Size of Tile 600 x 600 mm									
	11.41A.3.1 Size of the 600 x 600 film	х	1.65	v	1.80	_	2.97			
	1	X	3.30	x	3.40	=	11.22			
						=	14.19	14.19	sqm	
16	Providing and fixing 1st quality ceramic glazed wall tiles conforming to	IS: 15622	(thickness t	o be spe	cified by th	e manuf	acturer), of			
	approved make, in all colours, shades except burgundy, bottle green, blac									
	of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 ceme			jointing v	with grey ce	ment slu	rry @ 3.3kg			
	per sqm, including pointing in white cement mixed with pigment of match	ing shade co	-							
	2	Х	3.40	X	1.80	=	12.24			
	2	X	2.10	Х	1.80	=	7.56			
	less door(-) 2	Х	0.80	Х	2.10	=	-3.36	16.44		
17						=	16.44	16.44	sqm	
1,	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement									
	stone aggregate 20 mm nominal size derived from natural sources) ove rammed and consolidated and grouted with fine sand, including necessar			-						
				J	J	,				
	1	Х	6.40	x	0.60	=	3.84	2.04		
						=	3.84	3.84	sqm	

9	Providing and fixing factory made P.V.C. door frame of size to foam sheet, mitred at corners and joined with 2 Nos of 15 profiles to be reinforced with 19x19 mm M.S. square tube of frame. The door frame to be fixed to the wall using M.S. sdirection of Engineerin-Charge.	0 mm long bra f 19 gauge, EPI	ckets of 1 OM rubber	5x15 mm N gasket wea	1.S. squar ther seal	e tube, the v to be provid nanufacturer	vertical ed thro	door frame ugh out the ication and			
				4 2	x x	2.00 0.80	=	8.00 1.60			
				2	^	Total	=	9.60	9.60	RM	
	25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places										
		2	х	0.80	Х	2.10 Total	=	3.36 3.36	3.36	sqm	
	Steel work in built up tubular (round, square or rectangular lapplying a priming coat of approved steel primer, including v bolted with special shaped washers etc. complete.  Hot finished welded type tubes  Strut(25 x 25 x 3.2) mm square hollow section)		c.) trusses	etc., includi	ng cuttin	g, hoisting, fix	xing in p	osition and			
		2	x	1.50	x@	1.98	=	5.94			
		6	Х	1.80	<u>x@</u>	1.98 Total	=	20.34 34.20	34.20	Kg	
	Providing and fixing precoated galvanised iron profile sheets mm (+ 0.05 %) total coated thickness with zinc coating 120 g on both side of the sheet and polyester top coat 15-18 micro scratches during transportation and should be supplied in sile fixed using self drilling /self tapping screws of size (5.5x curved surfaces, excluding the cost of purlins, rafters and true	rams per sqm a ons. Sheet shoungle length upt 55 mm) with sses and includ	is per IS: 2 uld have pi o 12 metre EPDM sea ing cutting	77, in 240 m rotective gu e or as desir Il, complete s to size and	pa steel ard film o ed by Eng upto any	ved by Engin grade, 5-7 mio of 25 microns gineerin- chan pitch in hor nerever requi	eer-in-c crons ep minimu rge. The rizontal/ red.	harge) 0.50 boxy primer im to avoid sheet shall vertical or			
		1	Х	4.00	х	1.80	=	7.20 7.20	7.20	sqm	
20	Providing and fixing white vitreous china flat back or wall co sizes respectively with automatic flushing cistern with star	ndard flush pip	e and C.P		aders wi		d 340x4:	10x265 mm		34	
	complete, including painting of fittings and brackets, cutting	and making go	od the wal	ls and floors	whereve	r required :					

21	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:			
	17.3.1 W.C. pan with ISI marked white solid plastic seat and lid 2	2	Each	
22	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:			
	17.7.1 White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	2	Each	
23	Providing and fixing brass bib cock of approved quality: 18.15.2 20 mm nominal bore			
	= 6	6	Each	
24	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.			
	= 2	2	Each	
25	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.			
	17.73.1 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms			
26	= 2	2	Each	
26	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.  18.52.1 15 mm nominal bore			
	= 2	2	Each	
27	Providing and fixing PTMT grating of approved quality and colour.			
	18.58.2 Rectangular type with openable circular lid			
	18.58.2.1 150 mm nominal size square 100 mm diameter of the inner hinged round grating	2	Each	
28	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet:  18.22.2 150 mm diameter = 2	2	Each	
29	CPVC PIPES		Lacii	
23	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. 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			
	18.7.3 25 mm nominal dia Pipes = 20.00	20.00	Rm.	
	18.7.2 20 mm nominal dia Pipes			
	= 10.00			
	Total = 10.00	10.00	Rm.	

30	Wiring for drawing sub-main line with 2x1.5 sq mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) system, including connection as required complete as directed and specified by the Deptt.  1.7.1.) With 2 x 1.5 sq. mm. cable in flat 19 mm ISI marked casing 'n' capping system,  = 15		Rm.	
31	Wiring for light/ fan/ call bell point with 2x1.5 sq mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) with flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) in surface system, including 6 Amp flush type switch/ bell push (Anchor Penta/Gold medal /Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.) GI/ MS switch board (ISI marked) half conceal on wall with phenolic laminated sheet cover ,ceiling rose (Anchor/Gold medal /Kolor kany.Kom / Havells or equivalent make as approved by the Deptt.) etc. complete as directed and specified by the Deptt.			
	1.1.1.) Short point up to 3.00 metre. length.	4	Each	
32	Wiring for 5/6 pin 16 Amps power plug point with 4 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) with flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) in surface system, including providing and fixing 5/6 pin 16 Amps flush type socket outlets and 16 Amps flush type switch ( Anchor penta /Gold medal /Kolor kany.Kom/Havells or equivalent make as approved by the Deptt.),GI/ MS switch board (I.S.I. marked) with phenolic laminated sheet cover earth continuity with 2.5 sq. mm cable to the 3rd pin of the socket as required complete.			
	1.3.1.) Short point up to 3.00 metre. length.	2	Each	
33	Supplying with fitting & fixing T-5 luminaries complete with all accessories such as ballast, starter, lamp etc directly on wall/ceilling including connection cable as directed by the Deptt. with 1.5 sqm. PVC insulated S.C. copper conductor as required as directed by the Deptt.  ECBC.3.2.1. Sleek Strip type Decorative T5 luminaries with ABS end caps and Electronic ballast with 1 X 28 W T5 lamp(Crompton Greaves make Model- T5SG1128EB / B OR T5SG1128EB / O CG SLIM GOLD or equivalent (Equivalent will be selected by the deptt considering the mother items rate) (equivalent PHILIPS/ WIPRO/ BAJAJ/ Havells/ HPL/ SOLAR/ JAQUAR make).  = 2		Each	
34	Supplying including fitting fixing of following A.C. Exhaust fan in the existing hole on the wall of following sweeps with making necessary			
	connection as approved by the Deptt.)as required complete and as directed by the Department.			
	27.2.1.2.) Power Flow 225 mm sweep (ORIENT make) = 2	2	Each	
35	Supplying, fitting, fixing and painting where necessary (one coat primer and two coats of paint) M/F Suspended Ceiling which includes G.I. Ceiling section of 0.55mm thickness having knurled web of 51.5mm and two equal flanges of 26mm each with lips of 10.5mm are then 12.5mm thick		Lacii	
	ceiling 1 x 3.40 x 1.50 = 5.10			
	Total = 5.100	5.10	sqm	

36	Providing, fitting and fixing anodised aluminium sliding windows an mitred and welded (manufactured to relevant IS specifications) and device, locking arrangements, screws etc as required complete as s										
	(a)2 Track sliding window (iv) 5 mm clear glass										
	ventilator	2	х	0.60	Х	0.45 Total	=	0.54	0.54	sqm	
37	Providing drain with brick work in cement mortar in proportion 1: one brick flat soling including 15mm thick cement plastering in p necessary shttering for sides and earth work in excavation of four specified.	rop. 1:3	finished w	ith a floatir	ng coat of	cement sluri	ry as dir	base over		oq	
	i). 300mm wide and average 150mm deep with bed slope 1 in 150										
				1	Х	7.00	=	7.00 7.00	7.00	Rm.	
38	Supplying fixing PVC pipes of 6 kg/m2 9Supreme/Prince) or other I. (a) In exposed or in trenches. (ii) 110 mm dia	.S.I appro	oved					7.00	7.00	IIII.	
							=	9.00	9.00	Rm.	
	vent pipe							4.00	4.00	Rm.	
39	Supplying fitting & fixing 87.5 degree PVC bend of supreme/panel (i) 110 mm dia	or other I	I.S.I approv	ed.				4.00	1.00	1,1111	
							=	6	6	Each	
40	Supplying fitting & fixing PVC reducing Tee of Supreme/Prince or o	ther I.S.I	11.0 x 7	5 mm							
41	Providing fitting & fixing PVC cowel of I.S.I make (iv) 75 mm dia P.V.C cowel						=	2	2	Each	
							=	2	2	Each	

Total =

Adding 18 % GST =

Grand Total =

Say Rs=