BOQ

Name of the work:- Modification of the existing store room for establishment of RE Room, Maintenance room and Visitors at 132/33 KV Baghjap GSS.

Name & Address of bidder:

Sl. No.	Description of Work	Qnty	Unit	Rate(in Rs.)	Amount(in Rs.)
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge.				
	(A) Up to a depth of 1.00 m below the existing ground level. (b) In hard soil.	2.29	cum		
2	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)				
	(a) In prop 1:3:6 aggregate by volume.	0.19	cum		
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	4.38	cum		
4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. 5.22A.6 Thermo-Mechanically Treated bars of grade Fe-500D or more				
	(i) TATA/SAIL	389.38	kg		
5					
	1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from				
	(A) In sub - structure up to plinth level N)Without using admixture, plasticiser (b)M20	3.37	cum		
6	Centering and shuttering including strutting, propping etc and removal of form for foundations, footings, proppings etc for mass concrete	37.56	sqm		
7	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in phosphor Gypsum fixed with tongue and groove, jointed with bonding plinth level up to floor V level. Gypsum blocks will have a minimum proof Gypsum panels of size 666x500x100 mm, made of calcite plaster as per manufacturer's specifications in superstructure above				
	(b) In proportion 1:4.	1.04	cum		

8	Half brick masonry with common burnt clay FPS (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V leval				
	(A) 112mm thick brick wall (a) In cement mortar in prop. 1:4	31.20	sqm		
9	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand) (B) On Fair side (b) In proportion 1:4	55.80	sqm		
10	Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B), fixing with butt hinges of required size with necessary screws, all complete as per directions of Engineer- in-charge and panelling with panels of : 12 mm thick plain grade -1, medium density flat pressed threelayer particle board FPT - I or graded wood particle board FPT- I, IS : 3087 marked, bonded with BWP type synthetic resin adhesive as per IS : 848 .	7.56	sqm		
11	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). Kiln seasoned and chemically treated hollock wood	0.12	cum		
12	Two track two panels sliding window made of (small series) thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm)frame 52 x 44 mm &sash 32 x 60 mm both having wall	1.44	sqm		
13	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	3.00	sqm		
14	Providing and fixing plain multipurpose cement board(Hight pressure steam cured) with suitable screws for cement particle board in ceiling etc. complete (frame work to be paid seperatately). 6 mm thick Cement fiber board as per IS: 14862 compressive strength of 9.3 kg/cm2	9.00	sqm		
15	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.				
	(i).Priming coat with distemper primer	167.16	sqm		
16	Applying priming coats with primer of approved brand andmanufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	167.16	sqm		
17	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	167.16	sqm		

18	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 : 3coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	7.50	sqm		
19	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse size as approved by Engineer-in-Charge in skirting, risers of steps and size as approved by Engineer-in-Charge in skirting, risers of steps andsand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade	12.25	sqm		
20	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-				
	(a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	1	each		
21	Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting	1	each		
22	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore	3	each		
23	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, plain & brass threaded fittings This includes jointing of pipes & fittings having thermal stability for hot & cold water supply including all CPVCjoints complete as per direction of Engineer in Charge. 25 mm nominal dia Pipes	35	Rm		
24	Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B), fixing with butt hinges of required size with necessary screws, all complete as per directions of Engineer- in-charge and panelling with panels of : 12 mm thick plain grade -1, medium density flat pressed threelayer particle board FPT - I or graded wood particle board FPT- I, IS : 3087 marked, bonded with BWP type synthetic resin adhesive as per IS : 848 :	5.04	sqm		
25	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). Kiln seasoned and chemically treated hollock wood	0.07	cum		

26	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free,neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. cleat angle, Aluminium snap beading for glazing / paneling, C.P.brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :	10.00	kg		
27	Providing and fixing aluminium-framed partition wall of required height and thickness, comprising suitably sized aluminium framework/sections, securely anchored to the existing floor, ceiling and adjoining walls, complete with gypsum board panels fixed on both sides with necessary screws, joints, corner beads and finishing, including all necessary accessories, fasteners, cutting, fitting and fixing, scaffolding and labour, complete in all respects as directed by the Engineer-in-Charge.	11.52	sqm		
28	Office Visitors chair with arm rest chair with steel frame and cushioned seat back, upto 110kg Heavy Design.	10.00	each		
29	Wiring to 5/6 pin 6 Amps plug point with 1.5 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 5 pin 6 Amps flush type plug socket and 6 Amps F/T 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 including earth continuity with 1.5 sq. mm. cable to third pin of the plug socket etc. as required complete, when placed elsewhere.				
	Short point up to 3.00 metre. length.	4	each		

30	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.				
	Short point up to 3.00 metre. length.	4	each		
31	Wiring for drawing sub-main line with 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 ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) system including earth continuity.				
	With 2 x 2.5 sq. mm. + earth continuity with 1x1.5 sq. mm. in flat 19 mm ISI marked casing 'n' capping system.	38	Rm.		
	With 2 x 4 sq. mm. + earth continuity with 1x2.5 sq. mm. cable in flat 19 mm ISI marked casing 'n' capping system.	38	Rm.		
32	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.				
	Power Flow 225 mm sweep (ORIENT make)	1	each		
				Total=	
				Adding 18% GST=	
				Grand Total=	
				Say=	