

BOQ OF CIVIL WORK AT ALTERNATIVE PREMISES OF TEZPUR MEDICAL COLLEGE BRANCH					
S.No	Description	Unit	Qty.	Rate	Amount
1	Demolishing brick work,R.C.C,P.C.C,plinth protection ,doors ,windows etc manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material as per specified area by Govt. department & direction of Engineer-in-charge.	Cum	45.00		
2	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. All kinds of soil	Cum	25.00		
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 40cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	45.00		
4	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings above ground level and removal of rubbish outside the periphery of the specified area by Govt. and clearing it in all respect.	Sqm	100.00		
5	Supplying and application of chemical emulsion in sealed containers & Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment:	Sqm	120.00		
	Along external building wall where the apron is provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:				
	With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration				
6	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation leveling and dressing and finishing the top smooth.	sqm	5.00		
7	Providing and laying in position site batched mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete.	Cum	7.00		
	All works above plinth and upto floor V level				
	Concrete of M20 grade of nominal mix 1:1.5:3 with minimum cement content of 300 kg /cum.				
8	Centering and shuttering including strutting, propping etc. and removal of form for :				
a	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	31.00		
c	Slab, Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	50.00		
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding complete in all respect.	Kg	840.00		
	Thermo-Mechanically Treated bars of grade Fe-500D or more				
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:	Cum	20.00		
	Cement mortar 1:6 (1 cement : 6 coarse sand)				
11	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.	Sqm	107.00		
	Cement mortar 1:4 (1 cement :4 coarse sand)				

12	WINDOWS: 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 straight, mitred and jointed mechanically wherever required including 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. Rates are inclusive of Glazing, paneling and dash fasteners 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): With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	sqm	6		
13	Renewing glass panes, with putty and nails wherever necessary including racking out old materials. Float glass panes of nominal thickness 4mm (weight not less than 10kg/sqm)	sqm	9		
14	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	690.00		
15	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer. The rate is also inclusive of enamel paint of two coats.	Sqm	10.00		
16	Providing and fixing rolling shutter of approved make of required size M.S laths interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangement for inside and outside locking with push and pull operation complete, including hood cover, springs, ball bearings, painting with one coat of red oxide primer and two coats synthetic enamel paint, complete as per EIC. Using M.S. angles 40x40x6 mm for diagonal braces	Sqm	10.00		
17	Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete.	Each	16		
18	Providing Pre Painted Galvanized Iron Sheet Roofing (PPGI) 1.00 mm thick at all levels including fitting and fixing with self drilling, self tapping screws complete. (Roof trusses, purlins etc. To be measured and paid separately). Dyna Roof/Wonder Roof/JSW Steel/Spectrum as directed by the EIC	Sqm	50.00		
19	Providing ridges or hips of width 60 cm overall width Pre-Painted Galvanized Iron sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete; 1.0 mm thick with Pre-Painted G.I sheet not less than 290 gm/m ²	Rmt.	20		
20	Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete : 1.60 mm thick with zinc coating not less than 350 gm/m ²	Meter	20		

21	Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete. 0.80 mm thick with zinc coating not less than 275 gm/m²	Meter	20		
22	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. 110 mm diameter	Meter	15		
23	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.				
a	Coupler				
	110 mm	Each	5		
b	Single tee without door				
	110 mm	Each	3		
c	Bend 87.5°				
	110 mm bend	Each	3		
d	Shoe (Plain)				
	110 mm Shoe	Each	3		
24	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	mm	18		
	110 mm				
25	Providing and fixing ISI marked 35mm thick flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with 1.0 mm thick decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. Item including Door closer, Handle, tower bolt, Motric lock, 4Nos. SS finish hinges with necessary screws for each door etc. complete as per instruction by Architect/ Bank Engineer.	Sqm	15.00		
26	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	Kg	250.00		
27	Providing and laying Ceramic glazed floor tiles of size 300x300 mm or any other size (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.	Sqm	10.00		
28	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Double charge vitrified tile polished finish of size Size of Tile 600 x 600 mm	Sqm	111.00		

29	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	30.00		
a	15 mm cement plaster on both side of half brick wall of mix: 1:5(1 cement: 5 coarse sand)	Sqm	372.00		
30	Providing and laying Heavy Duty UPVC pipes of approved make in floor including covering the same with concrete having 1:2:4 mix (1 cement: 2 coarse sand: 4 stone aggregate 12mm nominal size). The item includes all other accessories such as floor traps, bends, etc. as may be required with all joints to be sealed with solution, necessary digging/ chasing and covering the same properly, later etc. complete as per instructions of Architect/ Bank's Engineer.				
a	Same as above but for 110mm dia nominal bore pipe.	R.Mt.	10.00		
b	Same as above but for 75mm dia nominal bore pipe.	R.Mt.	5.00		
31	Providing and laying Chlorinated Polyvinyl Chloride (CPVC) pipes of approved make having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement including the cost of cutting chases, making good the same and including testing of joints at 7 Kg/ Sq.Mt. pressure with pressure pump.				
a	Same as above but for 15mm dia nominal bore for concealed internal piping.	R.Mt.	12.00		
b	Same as above but for 25mm dia nominal bore for concealed internal piping.	R.Mt.	12.00		
c	Same as above but for 32mm dia nominal bore for shaft or external to toilet piping.	R.Mt.	20.00		
d	Same as above but for 40mm dia nominal bore for Terrace & Tank	R.Mt.	15.00		
e	Same as above but for 50mm dia nominal bore for Terrace & Tank	R.Mt.	15.00		
32	Providing and fixing approved quality UPVC Nahani Trap of approved make and having self cleansing design with C.P. pressed steel grating with or without vent arm of the below mentioned sizes for inlet and outlet including cost of cutting/ chasing and making good the floors wherever required etc. complete as per instructions of Architect/ Bank's Engineer.				
a	100mm dia nominal bore for inlet and 75mm dia nominal bore for outlet	Nos.	2.00		
33	Providing and fixing in position European patterned water closet including traps, seats & lids, lead alkathene pipes etc conforming to relevant IS Specification and of approved make, in cement concrete 1:3:6 (1-cement: 3-coarse: 6-stone aggregates) complete with all necessary fittings including cutting and making good the walls and floors wherever required and as directed by the Engineer-in-charged. Jaquar make (White) : Size 623 x 480x 355- Anglo Indian S Trap (Cat No.CNS-WHT-WH12) (inclusive of seat cover)	each	2		
34	Supplying, fitting and fixing PVC flushing cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc. complete as directed and specified (pipes will be measured separately) Hindware Make (White) : Sleek + PVC Cistern	each	2		
35	Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately) - PEDESTAL BASIN (with pedestal)	each	2		

36	Providing and fixing Stainless Steel grade 304 Kitchen Sink confirming to IS: 13983 with C.I. painted brackets including 40mm dia. C.P. waste coupling, C.P. brass chain and rubber plug, choke-stop strainer, with necessary C.P. brass unions, PVC waste pipe etc. all complete including cutting and making good the walls wherever required etc. complete as per the Architectural drawings, as specified, as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge.	Nos	1.00		
	Kitchen Sink without Drain Board of minimum size 610 X 460 mm and bowl minimum size 560 X 410 X 215 mm.				
	Sink (Glossy) : Nirali - Grace Plain - Large / Hindware - Flamingo 24X18X8 / Cera - Classic - B4511201 Queen or equivalent approved by SBI				
	Waste Coupling, Choke-Stop Strainer, Brass Chain : Nirali / Hindware / Cera or equivalent approved by SBI				
37	Providing and fixing 450 mm long C.P. Brass Towel Rail of approved quality with all necessary accessories and hardware like C.P. brass wall flange, screws, rawl plug including drilling holes in walls and making it good etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge. Model : Hindware - F880005CP / Jaquar - ACN-CHR- 111ISM / Cera - Hera - F5007103	Nos	2.00		
38	Providing and fixing C.P. Brass Soap Dish Holder of approved quality with all necessary accessories and hardware like C.P. brass wall flange, screws, rawl plug including drilling holes in walls and making it good etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge. Model : Hindware - F880011CP / Jaquar - ACN-CHR- 1131N / Cera - Hera - F5007106	Nos	2.00		
39	Providing and fixing C.P. Brass Toilet Paper Roll Holder with Flap of approved quality with all necessary accessories and hardware like C.P. brass wall flange, screws, rawl plug including drilling holes in walls and making it good etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge. Model : Hindware - F880003CP / Jaquar - ACN-CHR- 1153S / Cera - Hera - F5007110	Nos	2.00		
40	Providing and fixing Toilet Mirror on wall with 8mm thk. glass mirror with bevelled edges fixed over 8mm water proof ply fixed to wall with SS studs with provision of LED light with all accessories as may be required complete as per instructions of Architect/ Bank's Engineer.	Sqm	2.00		
41	Providing and fixing CP ABS Health Faucet with regulator including accessories like CP ABS Wall Hook, and 1.00 mtr. (min.) long flexible SS braided hose pipe (with Nipple, Nut, O-Ring) with gasket, installation kit, all other fittings and fixtures as per the manufacturer's specification etc. complete as per the directions of the Engineer-in-Charge. Model : Hindware - F160068CP / Jaquar - ALD-CHR- 573 / Cera - F8030109AB or equivalent approved by SBI	Nos	2.00		
42	Providing and fixing 15 mm C.P. Brass Bib Cock of approved quality with aerator, wall flange etc. complete as per the directions of the Engineer-In-Charge. Model : Hindware - F400002CP / Jaquar - OPP-CHR- 15037PM / Cera - Chelsea F1016151 or equivalent	Nos	2.00		
43	Providing and fixing 15 mm C.P. Brass 2-way Bib Cock of approved quality with aerator, wall flange etc. complete as per the directions of the Engineer-In-Charge. Model : Hindware - F400003CP / Jaquar - OPP-CHR- 15041PM / Cera - Chelsea F1016163 or equivalent	Nos	2.00		

44	Providing and fixing 15 mm C.P. Brass Pillar Cock of approved quality with aerator, 450 mm long SS flexible braided hose pipe (with Nipple, Nut, O-Ring) with gasket, installation kit, all other fittings and fixtures as per the manufacturer's specification etc. complete as per the directions of the Engineer-in-Charge. Long Neck Pillar Cock - Hindware - F40005CP / Jaquar - OPP-CHR-15021PM / Cera - Chelsea F1016102 or equivalent	Nos	2.00		
45	Providing and fixing wall mounted 15 mm C.P. Brass Sink Cock of approved quality with long swivel spout, aerator, wall flange etc. complete as per the directions of the Engineer-In-Charge. Inclined Neck Sink Cock : Hindware - F200024FT / Jaquar - CON-CHR-347KNM / Cera - Floral - F3002261 or equivalent	Nos	2.00		
46	Providing & fixing C.P. Brass Concealed Stop Cock consisting of concealed body of stop cock, including C.P. exposed part kit having sleeve, handle and wall flange with all fittings and fixtures, cutting and making good the walls wherever required etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge. 20 mm Bore : Hindware - Concealed Body - F850097CP & Exposed Kit - F330009CP / Jaquar - Concealed Body - ALD-CHR-089 & Exposed Kit - CON-CHR-083FTK / Concealed Body - F405052 (20 mm) & Exposed Kit - Ocean - F3001351 or equivalent	Nos	2.00		
47	Providing & fixing Stainless Steel Jali (Grating) with or without hole for waste pipe for N. Trap. Weight not less than 70 grms.	Each	2.00		
48	Providing, placing & fixing PVC water storage tank of approved make and quality including all accessories, fittings, connections and making the system functional required.	Liter	1000.00		
49	Finishing wall with two coats of acrylic emulsion exterior coatings of Asian Paint/Berger/Indigo/Nerolac brand of required shade by thinning 1ltr. of paint with 750ml of water to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose powdered materials as specified and directed by the department. The rate includes primer applied @ 2.2 Kg/10 sqm. The rate also includes applying of wall putty wherever necessary and as instructed by Bank/EIC.	sqm	160		
50	Painting two coat (including appropriate priming coat) on previously painted wood steel and other metal surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. The rate also includes cost of primer.	sqm	240		
TOTAL(EXCLUDING GST)					