

NAME OF WORK :- Construction of Community Training & Health Care Centre (G+3) at Eternal University, Baru Sahib, Sirmaur district, Himachal Pradesh		
Sl. No.	Description	Amount (IN Rs.)
1	CIVIL WORK,SANITARY	45021742.10
2	ELECTRICAL	6307106.10
	TOTAL	51328848.20
	SAY	₹ 5,13,28,848

**SCHEDULE OF QUANTITIES FOR SUPPLY, ERECTION, TESTING AND COMMISSIONING OF CIVIL & PLUMBING WORKS FOR PROPOSED
COMMUNITY TRAINING & HEALTH CARE CENTER AT ETERNAL UNIVERSITY, BARU SAHIB, SIRMAUR DISTRICT, HIMACHAL PRADESH (G+3)**

S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
A	Earth Work						
1	2.7	Earth work in surface excavation not exceeding 30 cm in(Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm 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.					
2	2.7.1	Ordinary rock	cum	406.39	273.10	110985.72	
3	2.7.3	Hard rock (blasting prohibited)	cum	174.17	758.54	132112.37	
4	2.25	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	cum	274.86	144.66	39759.74	
5	16.3.9	Supplying and stacking at site.Good earth	cum	406.39	439.95	178790.66	
6	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	18.01	2184.54	39352.92	
7	2.28	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m	sqm	520.45	16.27	8465.98	
8	2.34.1	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	liter	28.00	233.37	6534.36	
9		Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :2.35.3 Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor: With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	sqm	342.04			45799.51
10	1.1.4	Carriage of Materials by Mechanical Transport including loading,unloading and stacking 5 km hard rock	cum	174.17	283.62	49396.69	
B	CONCRETE WORK						
12	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40 mm nominal size)	cum	71.29	5757.43	410438.83	
13	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone - III) : 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, levelling & dressing & finishing the top smooth	sqm	71.33	556.37	39686.65	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
14	4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size).	sqm	99.35	403.00	40040.37	
C	RCC WORK						
15	5.1.2	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 :1:1.5:3 (1 cement : 1.5 coarse sand): 3 graded stone aggregate 20 mm nominal size)	cum	262.17	7733.64	2027565.48	
16	5.2.2	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 :1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size)	cum	521.50	8868.99	4625202.17	
17	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° 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) : 3 graded stone aggregate 20 mm nominal size).	cum	42.19	9104.33	384130.22	
18		Centering and shuttering including strutting, propping etc. and removal of form for :					
19	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	336.89	251.49	84725.99	
20	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	sqm	36.30	477.71	17342.43	
21	5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	1513.04	544.12	823268.41	
22	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	1446.99	449.83	650898.11	
23	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	1092.22	598.09	653241.40	
24	5.9.7	Stairs, (excluding landings) except spiralstaircases	sqm	81.55	516.35	42109.14	
25	5.9.15	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	sqm	162.40	251.49	40842.76	
26	5.9.16	Edges of slabs and breaks in floors and walls					
27	5.9.16.1	Under 20 cm wide	sqm	75.03	152.79	11463.32	
28	5.9.19	Weather shade, Chajjas, corbels etc., including edges	sqm	330.56	645.49	213376.11	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
29	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	11110.20	89.29	992049.10	
30	5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth levelThermo-Mechanically Treated bars of grade Fe-500D or more	Kg	72658.41	89.29	6487796.52	
D	MASONRY WORK						
31	6.2.1	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	110.74	5580.59	617972.19	
32	6.47	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).	cum	534.88	6472.69	3462108.97	
E	STONE WORK						
33	8.10.2	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.Granite approved shade.	sqm	3.00	3737.71	11216.59	
34	8.2	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 of any colour and shade					
35	8.2.2.1	Area of slab upto 0.50 sqm	sqm	52.02	4206.88	218835.91	
36	8.2.2.2	Area of slab over 0.50 sqm	sqm	46.02	4134.73	190262.69	
37	8.4	Extra for fixing marblе /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	meter	20.00	348.34	6966.73	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
38	8.5	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.	each	25.00	543.07	13576.76	
F	WOOD & PVC WORK						
39	9.1.1	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 fastener shall be paid for separately).Second class teak wood	cum	2.02	140146.87	282956.52	
40	9.21	Providing and fixing ISI marked 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 vertical grains or cross bands and face veneers on both faces of shutters:					
41	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	127.26	1970.00	250701.66	
42	9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	28.56	1892.26	54042.10	
43	9.147B	Providing and fixing factory made uPVC white colour fixed glazed windows/ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) 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), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded 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 and silicon sealant shall be paid separately). Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.					
44	9.147B.1	Fixed window / ventilator made of (small series) frame 47 x 50 mm & mullion 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area upto 0.75 sqm.)	sqm	103.04	7527.64	775626.52	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
45	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) Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.					
46	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	258.94	8031.20	2079567.77	
47	21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.Upto 5mm depth and 5 mm width	metre	880.00	92.31	81235.16	
G	GLASS WORK						
48	21.3.2	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 5 mm thickness (weight not less than 12.50 kg/ sqm)	sqm	189.74	1312.59	249056.95	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
49	21.18	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double action hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in- charge (Door handle, lock and stopper etc.to be paid separately).	sqm	22.15	4740.54	105007.33	
H	DOOR HARDWARE						
50	9.71.2	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :100x60x2.5 mm	each	408.00	79.88	32591.20	
51	9.97.3	Providing and fixing aluminium tower 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 necessary screws etc. complete :200x10 mm	each	12.00	99.46	1193.50	
52	21.4.2	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.With brass cover plate minimum 1.25 mm thickness	each	47.00	2849.84	133942.57	
53	9.101.2	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. completeTwin rubber stopper	each	47.00	70.88	3331.16	
54	9.103	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	each	47.00	800.60	37628.43	
55	NSR-1	Providing and fixing Pull Handle- H Type (316 Grade)Back to back over Glass/Wood Door with necessary SS screws of complete as per direction of Engineer in charge 25 mm x 600 mm	each	52.00	6562.39	341244.39	
I	STEEL WORK						

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
56	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 the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg	648.00	614.93	398477.09	
J	FLOORING WORK						
57	11.41.2	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm 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., complete size of tile 600 x 600 mm	sqm	1333.31	1580.99	2107953.55	
58	11.46.2	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete size of tile 600 x 600 mm	sqm	32.39	1597.90	51760.92	
59	11.4	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (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 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 pigments etc., complete	sqm	66.49	1197.74	79637.12	
60	8.31	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	459.92	998.88	459408.91	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
61	11.55.1	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent	sqm	241.97	2510.05	607349.31	
K	ROOFING WORK						
62	12.21.1	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design In 75x75 mm deep chase	meter	95.00	186.95	17760.17	
63	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	each	8.00	243.42	1947.34	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
64	12.58.1	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be prepainted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge 8 mm thick fully perforated calcium silicate board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with minimum compressive strength 225 kg/ sq. cm, bending strength 100 kg/sq. cm , of size 595x595 mm, having perforation of dia. 10 mm with minimum perforated area 18 % with non woven tissue on the back side, having n NRC (Noise Reduction Coefficient) of 0.85, with 50 mm thick rockwool of 48 kg /cum backing.	sqm	116.17	1845.79	214427.16	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
65	12.52.4	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be prepainted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing	sqm	391.36	1162.30	454875.38	
L	FINISHING WORK						
66	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	sqm	2709.65	200.83	544189.50	
67	13.3.1	20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand)	sqm	1824.38	280.48	511705.07	
68	13.16.1	6 mm cement plaster of mix :1:3 (1 cement : 3 fine sand)	sqm	1743.52	165.40	288371.21	
M	PAINTING						
69	13.80	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 Ceiling	sqm	6277.55	98.88	620707.75	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
70	13.83.2	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 two coats	sqm	4013.17	86.91	348784.12	
71	13.45.1	Finishing walls with textured exterior paint of required shade : New work (Two or more coat applied @ 3.28 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	1384.38	227.79	315347.37	
72	13.68.1	French spirit polishing :Two or more coats on new works including a coat of wood filler	sqm	195.44	242.31	47358.33	
N	WATERPROOFING						
73	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :					
74		(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours	sqm	66.49	351.71	23384.74	
75	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 in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(c) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(d) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(e) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(f) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(g) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(h) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(i) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(j) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(k) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(l) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(m) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(n) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(o) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(p) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(q) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(r) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(s) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(t) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(u) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(v) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(w) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(x) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(y) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.(z) Laying in integral cement based water proofing compound over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.					

**SCHEDULE OF QUANTITIES FOR SUPPLY, ERECTION, TESTING AND COMMISSIONING OF CIVIL & PLUMBING WORKS FOR PROPOSED
COMMUNITY TRAINING & HEALTH CARE CENTER AT ETERNAL UNIVERSITY, BARU SAHIB, SIRMAUR DISTRICT, HIMACHAL PRADESH (G+3)**

S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
76	22.7.1	(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 :With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	sqm	395.14	1262.57	498897.81	
77	22.14.2	Grading roof for water proofing treatment withCement mortar 1:3 (1 cement : 3 coarse sand)	cum	39.83	11307.17	450413.53	
A	SANITARY						
78	17.1.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	18.00	5217.79	93920.17	
79	17.3.1	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 :W.C. pan with ISI marked white solid plastic seat and lid	each	14.00	6584.00	92176.05	
80	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge	each	20.00	1026.01	20520.26	
81	17.7.1	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:White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	each	20.00	3071.76	61435.28	
82	17.28.1.2	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia	each	20.00	114.33	2286.61	
83	17.34.1	Providing and fixing toilet paper holder :Cp brass	each	21.00	557.42	11705.82	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
84	18.49.1	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :15 mm nominal bore	each	30.00	486.78	14603.30	
85	18.51.1	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms 15 mm nominal bore	each	20.00	641.77	12835.47	
86	18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15 nominal bore	each	10.00	618.13	6181.29	
87	17.73.2	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 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	each	20.00	529.01	10580.23	
88	18.65	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	each	20.00	151.63	3032.55	
B	WATER SUPPLY SYSTEM						
89	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.					
90	18.8.1	15 mm nominal outer dia Pipes	metre	225.00	341.37	76807.18	
91	18.8.2	20 mm nominal outer dia Pipes	metre	130.00	420.96	54724.17	
92	18.8.3	25 mm nominal outer dia Pipes	metre	100.00	518.32	51832.21	
93	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge					
94		External work					
95	18.9.6	50 mm nominal outer dia Pipes	metre	210.00	852.48	179021.55	
96	18.9.8	75 mm nominal inner dia Pipes	metre	200.00	2200.92	440184.53	
97							
C	Rain water pipe						

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
E	SEWERAGE & DRAINAGE SYSTEM						
115	19.4.3.2	Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating, brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design 150 x 100 mm size P type With Sewer bricks conforming to IS : 4885	each	10.00	2587.54	25875.44	
116	19.27.1	Constructing brick masonry road gully chamber 50X45X60 cm with brick of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including 500*450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design: With F.P.S. bricks	each	15.00	5158.12	77371.86	
117		Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :					
118	19.6.2	150 mm dia. R.C.C. pipe	metre	30.00	467.20	14015.96	
119	19.6.3	250 mm dia. R.C.C. pipe	metre	230.00	763.42	175587.56	
120	19.3	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design					
121	19.3.2	150 mm diameter S.W. pipe	metre	26.00	849.35	22083.01	
122	19.3.3	250 mm diameter S.W. pipe	metre	190.50	11138.58	2121899.50	
123	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	5.00	11138.58	55692.90	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
124	18.34.1	Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	5.00	15351.50	76757.50	
125	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	per litre	30000.00	10.22	306740.71	
NON SCHEDULE ITEMS							
126		Supply and Fixastion of HPL Board Toilet Partations Incuding All Assecerioes	Nos	24.00			778800.00
RCC Wall							
A Earth Work							
127		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.					
128	2.7.1	Ordinary rock	cum	206.74	273.10	56461.56	
PCC							
130		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
131	4.1.8	1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40 mm nominal size)	cum	8.14	5757.43	46877.97	
132		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 :					
133	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand): 3 graded stone aggregate 20 mm nominal size)	cum	42.48	7733.64	328531.95	

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S.NO	ITEM NO	DESCRIPTION	UNIT	Quantity	RATE	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
134		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 :					
135	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size)	cum	192.58	8868.99	1707990.00	
136		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level					
137	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	24055.00	89.29	2147913.17	
138		Centering and shuttering including strutting, propping etc. and removal of form for :					
139	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	47.00	251.49	11820.15	
140	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	sqm	1055.00	477.71	503988.05	
						44197142.59	824599.51
		TOTAL				45021742.10	

SCHEDULE OF QUANTITIES FOR SUPPLY, ERECTION, TESTING AND COMMISSIONING OF ELECTRICAL WORKS FOR PROPOSED COMMUNITY TRAINING & HEALTH CARE CENTER AT ETERNAL UNIVERSITY, BARU SAHIB, SIRMAUR DISTRICT, HIMACHAL PRADESH (G+3)

S. NO.	Item No.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
		SUBHEAD-1 : INTERNAL WIRING					
1	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
	1.3.1	Group A	Point	95	745.94	70864.07	
2	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
	1.3.2	Group B	Point	85	880.72	74861.00	
3	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
	1.10.1	Group A	Point	40	599.54	23981.55	
4	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (independent plug)					
	1.3.3	Group C	Point	90	1093.34	98401.02	
5	MR01	Wiring for plug on board with Switch socket surface/concealed type, copper wiring and earthing and with modular accessories as per specification No: WG-PW/CW	Point	45			18427.95
6	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.					
	1.17.11	2 x 2.5 sq. mm	M	2000	55.77	111542.08	
7	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.					
	1.17.1	1 x 1.5 sq. mm	M	2000	25.56	51123.45	

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S. NO.	Item No.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
8	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.					
	1.17.20	2 x 4 sq. mm	M	2600	87.14	226569.84	
9	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.					
	1.17.20	2 x 4 sq. mm	M	2600	87.14	226569.84	
10	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.					
	1.17.29	2 x 6 sq. mm	M	350	125.48	43919.69	
11	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.					
	1.17.29	2 x 6 sq. mm	M	350	125.48	43919.69	
12	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.					
	1.17.31	4 x 6 sq. mm	M	150	235.87	35379.75	
13	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.					
	1.17.37	10 x 6 sq. mm	M	150	567.01	85050.83	
14	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.					
	1.17.28	10 x 4 sq. mm	M	90	390.40	35135.75	
15	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	80	364.84	29186.84	
16	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	54	29.05	1568.56	
17	MR02	Supplying and erecting 16 / 20 / 25 A starter (modular range) 2 module for AC unit on provided box complete & duly concealed with necessary material and connected.	Each	12			4366.68
18	MR03	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background.	Each	55			14587.65

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S. NO.	Item No.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
19	MR04	Supplying and erecting modular type switch 16A duly erected on provided plate and box with wiring connections complete.	Each	55			6185.30
20	MR05	Supplying and erecting modular type 3 pin 6 / 16A multi socket with safety shutter, duly erected on provided plate and box with wiring connections complete.	Each	55			9335.70
		TOTAL				1158073.98	52903.28
		<u>SUBHEAD-2 : FANS & LIGHT FIXTURES</u>					
21	MR06	Supplying and erecting LED Panel Light(600mm X 600mm) Max. 35 W having CRCA powder coated housing, polystyrene diffuser having system lumens output of Min 4200 Lumens, min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50 including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty.	Each	55			170613.85
22	MR07	Supplying and erecting LED square / circular Max. 7W down lighter/ Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 770 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty.	Each	45			31174.65
23	MR08	Supplying and erecting LED square / circular Max. 14 W down lighter/Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 1500 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty.	Each	52			66917.24
24	MR09	Supplying and erecting CRCA powder coated corridor/passage light LED fitting (4 feet) Max. 17W with high transitivity diffuser with system lumens output of Min. 2000 lumens , min. efficacy of 120 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 4 kV, Life class of 50,000 Hrs. at L70B50, including driver, with end caps on provided PVC Block / wooden board with 3 years warranty.	Each	97			63699.90
25	MR10	Supplying and erecting anodized aluminium corridor / passage / mirror light LED fitting (2 feet) Max. 12W with high transitivity diffuser with min. system lumens output of 1200 lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6000K, Beam Angle of 110 deg., Ripple<5%, THD<10%, p.f. >0.95, operating range of 200-270V, surge protection of 2 kV, Life class of 50,000 Hrs. at L70B50, including driver with end caps on provided PVC Block / wooden board with 3 years warranty.	Each	6			2756.22
26	MR11	Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22/E-27 base.	Each	15			3660.15

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S. NO.	Item No.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
27	MR12	Supplying and erecting Gate/garden light fitting with 300mm dia. glass bowl suitable for upto 12W LED lamp on provided pipe as per specification No. FG-ODF/GLT	Nos.	5			6073.65
28	MR13	Supplying and erecting Energy Saving BLDC Ceiling fan 230 V A.C. 50 cycles 1200 mm, max. energy consumption of 28W having service ratio (CMM/W) of Min. 8 , PF>0.9, THD<10% with IR remote control/compatible speed regulator, Temperature Rise of Max. 40 deg. C, having external mounted control PCB completely erected in position as per specification no. FG-FN/CF	Each	55			222369.95
29	MR14	Supplying and erecting fan hook box of 10 mm M.S. round bar bounded to the R.C.C. bars upto 50 mm length each side and pierced through a 16 S.W.G. thick aluminium/M.S. Bowl 100 mm dia.or equivalent square size and having depth upto 75 mm complete erected with duly painted by one coat of red oxide paint and two coats of paint erected in position and without any leakage of slurry of cement concrete on either side of the box and positioned to the bottom level of the slab.	Each	55			10269.60
30	MR15	Supplying and erecting 'B' grade G.I. pipe / M.S. pipe down rod duly painted for fan complete erected with PVC three core flexible cable 1 sq. mm copper PVC wire.	Each	55			13362.25
31	MR16	Supplying and erecting fresh air cum exhaust fan of light duty 250 V A.C. 50 cycles 300mm. 1400 RPM rust proof body & blades, wire mesh, duly erected in an approved manner.	Each	37			62098.58
32	MR17	Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF	Each	2			10638.70
33	MR18	Supplying and erecting ding dong / electronic musical type call bell with heavy duty coil suitable to operate on 230V A.C. supply erected on polished double wooden block/sunmica block of suitable size.	Each	15			2227.95
		TOTAL				0.00	665862.69
		SUBHEAD-3 : T.V. / TELEPHONE / LAN SYSTEM					
34	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
	1.21.1	20 mm	Metre	50	66.23	3311.41	
35	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
	1.21.2	25 mm	Metre	35	74.36	2602.65	

SCHEDULE OF QUANTITIES FOR SUPPLY, ERECTION, TESTING AND COMMISSIONING OF ELECTRICAL WORKS FOR PROPOSED COMMUNITY TRAINING & HEALTH CARE CENTER AT ETERNAL UNIVERSITY, BARU SAHIB, SIRMAUR DISTRICT, HIMACHAL PRADESH (G+3)

S. NO.	Item No.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
36	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
	1.24.7	TV Socket	Each	6	113.87	683.20	
37	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
	1.24.6	Telephone socket outlet	Each	6	113.87	683.20	
38	MR19	Supplying and erecting ISI mark modular type computer jack RJ 45 with safety shutter, duly erected on provided plate and box with wiring connections complete.	Each	6			827.52
39	1.18	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.					
	1.18.2	2 Pair	Metre	150	15.10	2265.70	
40	1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	Metre	150	30.21	4531.40	
41	1.53	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.					
	1.53.2	2 run cable	Metre	50	87.14	4357.11	
		TOTAL				18434.65	827.52
		<u>SUBHEAD-4 : DISTRIBUTION BOARDS</u>					
42	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
	2.4.3	8 way (4 + 24), Double door	Each	4	5162.31	20649.23	
43	MR20	Supplying, erecting & marking SPMCB 6A to 32A, C-series with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB	Each	60			11076.00
44	MR21	Supplying, erecting & marking FPMCB 40A to 63A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB	Each	4			5639.76
45	2.10	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.10.1	25A	Each	6	2198.31	13189.85	

SCHEDULE OF QUANTITIES FOR SUPPLY, ERECTION, TESTING AND COMMISSIONING OF ELECTRICAL WORKS FOR PROPOSED COMMUNITY TRAINING & HEALTH CARE CENTER AT ETERNAL UNIVERSITY, BARU SAHIB, SIRMAUR DISTRICT, HIMACHAL PRADESH (G+3)

S. NO.	Item No.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
46	2.10	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.10.2	40A	Each	6	2393.51	14361.04	
47	MR22	Supplying & erecting triple pole and neutral distribution board (TPNDB), SP/TP MCBs total 8 ways /24 poles, with door, 1.2mm thickness surface/flush mounted, IP 43 Protection on iron/GI frame (vertical busbar type) as per specification no. SW-SWR/MCBDB	Each	1			6042.89
48	2.2	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.					
	2.2.6	250 A, 25 KA,TPMCCB	Each	1	14862.98	14862.98	
49	MR23	Supplying, erecting & marking TPMCB 40A to 63A, with rated short - circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB	Each	4			4209.64
		TOTAL				63063.10	26968.29
		<u>SUBHEAD-5 : EARTHING WORK</u>					
50	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Each	10	6232.41	62324.13	
51	MR 24	Supplying and erecting GI strip of required size used for earthing on wall and/or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint in an approved manner with joints required. As per specification no. EA-EP.	Kg.	35			8243.20
52	MR 25	Supplying and erecting GI earth wire of high purity of different sizes used for earthing or any other purposes on wall with necessary G. I. Clamps fixed on wall/cable/ conduit with screws in an approved manner.	Kg.	35			5755.40
		TOTAL				62324.13	13998.60
		<u>SUBHEAD-6 : L.T. CABLES</u>					
53	MR 26	Supplying, erecting & terminating XLPE armoured cable 3½ core 70 sq. mm. aluminium conductor with continuous 8.35 sq. mm. (10 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	Mtr.	300			157225.38
54	MR 27	Supplying, erecting & terminating XLPE armoured cable 4 core 10 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	Mtr.	200			38404.58

SCHEDULE OF QUANTITIES FOR SUPPLY, ERECTION, TESTING AND COMMISSIONING OF ELECTRICAL WORKS FOR PROPOSED COMMUNITY TRAINING & HEALTH CARE CENTER AT ETERNAL UNIVERSITY, BARU SAHIB, SIRMAUR DISTRICT, HIMACHAL PRADESH (G+3)

S. NO.	Item No.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	SoR AMOUNT (Rs.)	NON-SoR AMOUNT (Rs.)
55	MR 28	Supplying, erecting & terminating XPLE armoured cable 4 core 16 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	Mtr.	100			22384.99
56	MR 29	Providing & erecting epoxy outdoor/indoor end termination kit for LT XLPE armoured cable 70 to 120 sq.mm. cable, with necessary material as per specification no. CB-JT/LT	Each	4			9594.78
		TOTAL				0.00	227609.73
		SUBHEAD-7 : EXTERNAL LIGHTING					
57	MR 30	Providing & erecting 4 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL	Each	10			124093.47
58	MR 31	Supplying and erecting integrated LED Post Top 45W IP65 & IK10 class having die cast aluminium housing with UV protected polycarbonate diffuser, having system lumens output of Min.4500 Lumens, min. efficacy of 100 lumen/W, CRI>80, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-240V, inbuilt surge protection of 2 kV, Life class of 30,000 Hrs. at L50B50, including driver complete with 2 Year warranty as per specification No FG	Each	12			47269.46
59	MR 32	Providing & erecting 6 m high (clear height) galvanised octagonal pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on provided foundation as per specification no. OH-PL/OPL	Each	9			143861.22
60	MR 33	Supplying and erecting integrated LED flood light fitting Max. 120W IP65 & IK07 class having pressure die-cast aluminium housing, having system lumens output of Min.14500 Lumens, min. efficacy of 120 lumen/W, CRI>70, CCT upto 6500K, THD<10%, p.f. >0.90, operating range of 140-270V, inbuilt surge protection of 4 kV, Life class of 50,000 Hrs. at L70B50, including driver with U shaped bracket with 3 Years warranty as per specification No FG-ODF/FLS2.	Each	8			83564.97
		TOTAL				0.00	398789.13
		SUBHEAD-8 : LIFT					
61	MR 34	Lift Works for 8 passenger	Each	1			1734551.00
		TOTAL				0.00	1734551.00
		SUBHEAD-9 : FIRE FIGHTING					
62	MR 35	Fire fighting with wet riser system	Sqm	1610			1432900.00
63	MR 36	Manual fire alarm system	Sqm	1610			450800.00
		TOTAL				0.00	1883700.00
						1301895.87	5005210.24
		GRAND TOTAL				6307106.10	