

Name of Work: Construction of Research scholar hostel At Gujarat University , Ahmedabad.					
Schedule B					
Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
1	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials by mechanical means in area of light jungle.	Sqm	1,344.00	8.24	11,079.16
2	Excavation for Foundation upto 1.5 m. depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (A) Loose or soft soil	Cum	1,306.52	203.83	2,66,305.34
3	Excavation for Foundation from 1.5 m. upto 3.0m. depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (A) Loose or soft soil	Cum	1,238.48	224.95	2,78,591.57
4	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 & watering.	Cum	1,495.41	130.39	1,94,988.13
5	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing etc. complete.	Cum	175.98	460.19	80,982.22
6	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete. all complete as per drawings, specifications and direction of Engineer-in-charge. Filling material shall approve by Engineer-in-charge / consultant before start of the work.	Cum	409.52	289.06	1,18,377.81
7	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiopurfiles 20 EC. As Per 6131_paret-II Consentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	Sqm	709.49	105.95	75,169.93
8	Light weight Filling :- Providing material and labour for laying Cinder filling for sunk filling grade including compacting, finishing, curing etc. complete as directed by Engineer-in-charge.	CMT	263.32	1,537.60	4,04,881.16
9	Providing material and labour for wet drilling accurate and clean holes of specified diameter in RCC walls, slabs, beam or any other RCC member without vibration by core cutting (diamond drilling) holes up to 200 mm dia & upto 300 mm thickness machine including scaffolding, safety majors, disposing the debris, cleaning for all floors, all height etc compete as directed by engineer in charge. Measurement shall be taken for the depth of holes in running meter for specified diameter. Holes shall made by authorised approved agency.	Nos.	50.00	2,090.70	1,04,535.00
10	Providing and laying cement concrete 1:3:6 (1cement : 3coarse sand : 6hand stone aggregates 40mm nominal size) and curing complete excluding cost of form work in (A) foundation and plinth	Cum	360.27	3,005.76	10,82,899.02
11	Providing and laying in position Ready Mixed M- 250 grade concrete for reinforced cement conctere work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, Including the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 450 kg) - Up to Plinth level	Cum	1,181.70	6,477.75	76,54,753.53
12	Providing and laying in position Ready Mixed M- 250 grade concrete for reinforced cement conctere work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, Including the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 450 kg) - Above Plinth level	Cum	1,320.17	6,682.35	88,21,837.90

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13	Providing and laying in position Ready Mixed M- 200 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, Including the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) - Above Plinth level	Cum	1,288.45	6,416.69	82,67,582.26
14	Supplying and placing in position TMT Steel Fe 500D Bars Reinforcement of Approved make (as approved by Consultant/Engineer-in-charge) for RCC work including transporting, cutting & binding to required shapes and lengths as per Drawings and details, for all heights and depths etc. complete as per specification, directions and drawings.(Supports,Chairs and laps are included in the cost and no separate measurement qty will be paid for the same)	Kgs	7,02,956.94	80.31	5,64,51,027.26
15	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./sq.cm in foundation and plinth in cement mortar 1:6 (1- cement : 6 - Fine sand) (B) Conventional- Upto Plinth Level	Cum	154.17	4,021.02	6,19,917.66
16	Masonry work using Aerated light weight concrete block having crushing strength not less than 35 kg/sqcm for super structure above plinth level level in cement mortar 1:5 (1 cement : 5 fine sand) complete as per Technical Specification. For all floor level, all height.	Cum	1,771.75	5,653.45	1,00,16,487.72
19	Providing 10mm th ceiling cement plaster in single coat on fair side of brick / concrete wall for interior plastering finished even and smooth in C M 1:4 (1 cement 4 coarse sand) including floating coat of neat cement including finishing etc complete. for all floors, any heights, all depths, any levels (in foundation and superstructure)and all places including curing, scaffolding, racking / flush jointing for all height and all lead , as per drawing / specification and approved by architect and as directed by Engineer Incharge	Sqm	6,819.33	284.52	19,40,254.08
18	Providing 15 mm cement plaster in single coat on brick/concrete wall for interior plastering finished even and smooth in cement mortar 1:4 (1 cement : 4 coarse sand) including mala plaster of neat cement including finishing etc complete. for all floors, any heights, all depths, any levels (in foundation and superstructure)and all places including curing, scaffolding, racking / flush jointing etc complete, as per drawing / specification and approved by architect and as directed by Engineer Incharge, for all height and all lead.	Sqm	16,888.15	252.86	42,70,320.98
17	Providing 20mm thick sand faced cement plaster on walls above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete. for all height and all lead.	Sqm	6,411.66	409.98	26,28,682.26
20	Providing and applying Wall painting (three coats) with plastic emulsion paint and two coats of putty & two coats of primer of approved brand and manufacture on wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth on new work to give an even shade.for all height	Sqm	21,195.99	161.19	34,16,494.87
19	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete. for all height and all lead.	Sqm	6,233.56	114.53	7,13,954.29
20	Providing and applying exterior texture paint (Flat texture/synthetic paint) of approved make on any height. The rate includes applying one brush coats of PRIMER, On prepared surface final required coat of Semi gloss Medium Textured Flexible coating with crack bridging up to 2.6 MM and VOC content less than 100g/l, required scaffolding, jhulaa, tools and labor. The texture material shall be Pure Acrylic, Environment Friendly, Protect against Salt and Carbon dioxide, with excellent anti-Carbonation, UV Resistance, Moisture vapour trasmission coating with third party test certificate applied up to 140 Microns DFT.for all height and all lead.	Sqm	5,152.20	755.48	38,92,384.38
21	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1:1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	Sqm	150.00	992.66	1,48,898.75
22	Providing and laying polished kota stone slab 25mm thick in risers of steps, dedo and pillars laid on 10mm thick cement mortar 1:3(1-cement : 3coarse sand) and jointed with gray cement slurry including rubbing & polishing etc. complete.For all height and lead.	Sqm	100.00	1,187.79	1,18,779.03

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23	Providing and laying machine cut free edges machine double polished Kota stone for shelves in cupboard and walls in single piece (Maximum 1.50 mt.) 25 mm including cutting grooves in walls and fixing the stone with neat cement slurry in true line and level etc completed as directed by E.T.C/PMC . for Shelves.	Sqm	1,107.34	1,306.57	14,46,811.26
24	Providing and laying 300mm x 600 mm full body Double Charge Vitrified Glossy tiles 8 to 10 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry finishing with flush pointing in white cement slurry with epoxy groove as directed by Engineer In charge. For all height and lead.	Sqm	2,285.27	1,341.13	30,64,844.40
25	Providing and laying full body matt/glosy Vitrified double charged tiles 9 to 10 mm thick 600 x 1200 in flooring over 20 mm (Average) base of cement mortar 1:6 (1-cement : 6-coarse sand) finishing with flush pointing in white cement slurry with epoxy groove as directed by Engineer In charge. For all height and lead.	Sqm	150.00	1,707.65	2,56,147.11
26	Providing and fixing Two/Three Track Domal window having extruded aluminum Colour anodized 60 micron Sliding section outer frame size 80 mm x 45 mm weight 1.555 kg/m (Jindal Section code : 21376) and shutter frame 27 mm x 65 mm weight 0.851 kg/m (Jindal Section code : 21490) and Section inner patti size 38.70 mm x 28.50 mm weight 0.303 kg/m (Jindal Section code 19453) , mosquito jali channel - 9 mm x 15 mm x1.20 mmx1.20 mm weight .118 kg/m (jindal section code 15784) with 5 mm clear Frosted Glass (Modi or Saint Gobain) including one additional shutter ss mosquito jali and including all accesible accesories complete etc. or as directed Engineer in charge.	Sqm	386.09	7,186.20	27,74,505.78
27	Providing & fixing 100 x 45mm hollow WPC with 32mm MPD-12 Door having 4mm thick upper Outer wall and other internal walls of 3mm each along with many small hovers for maintaining the overall strength of the door frame. Frame having 2 holes in the middle to accommodate Pathframe make PPCP L Corner to secure the joinery of 3 parts of the frame. The Frame having rebate of 37mm with Outer wall having thickness of 8mm with many small hovers, overall thickness of 33mm for fixing the door. The frame having 9mm deep groove for Front Architrave Fixing. The frame shall be finished with oil paint. The door frame having material density of 990kg/m3 (IS 2380 – part -3), Shore hardness (D) of 62 (ASTM D2240), Moisture content less than 0.01% and Water Absorption of less than equal to 0.2% (IS 2380 –part– 16), Flammability results of the frame matches with Vo[UL-94] ,IGBC Green Pro certificate , 30, 60, 90 and 120 mins fire resistance- no smoke, stability , integrity and thermal insulation. (ASTM E 119, BS: 476-part 20,22 and IS 3614-Part2) With 45 x 18mm hollow Front Architrave having thickness of 10mm finished with oil paint , with width of 45mm and the insert part of 18mm to be inserted in the groove (9mm deep) of 100 x 45mm frame and 30 x 12mm hollow Rear Architrave having width of 30mm and thickness of 12mm finished with oil paint. The Frame & Architraves to be supplied in 3 parts as per customized size with miter cut.all required materials labours and equipments with fixing as per detailed drawing or as direct EIC.	SQ.MT	819.34	6,060.71	49,65,776.76
28	Providing & fixing 100 x 45mm hollow WPC partly glazed with 32mm MPD-12 & Glass Door having 4mm thick upper Outer wall and other internal walls of 3mm each along with many small hovers for maintaining the overall strength of the door frame. Frame having 2 holes in the middle to accommodate Pathframe make PPCP L Corner to secure the joinery of 3 parts of the frame. The Frame having rebate of 37mm with Outer wall having thickness of 8mm with many small hovers, overall thickness of 33mm for fixing the door. The frame having 9mm deep groove for Front Architrave Fixing. The frame shall be finished with oil paint. The door frame having material density of 990kg/m3 (IS 2380 – part -3), Shore hardness (D) of 62 (ASTM D2240), Moisture content less than 0.01% and Water Absorption of less than equal to 0.2% (IS 2380 –part– 16), Flammability results of the frame matches with Vo[UL-94] ,IGBC Green Pro certificate , 30, 60, 90 and 120 mins fire resistance- no smoke, stability , integrity and thermal insulation. (ASTM E 119, BS: 476-part 20,22 and IS 3614-Part2) With 45 x 18mm hollow Front Architrave having thickness of 10mm finished with oil paint , with width of 45mm and the insert part of 18mm to be inserted in the groove (9mm deep) of 100 x 45mm frame and 30 x 12mm hollow Rear Architrave having width of 30mm and thickness of 12mm finished with oil paint. The Frame & Architraves to be supplied in 3 parts as per customized size with miter cut.all required materials labours and equipments with fixing as per detailed drawing or as direct EIC.	SQ.MT	204.83	6,545.56	13,40,759.73

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29	Providing and fixing aluminium Door work(Single Shutter OR Double Shutter) of Anodized aluminium section frame built up standard tubular and other section of approved make confirming to IS 733 and IS 1285 , member size with shutters of horizontal member , vertical member Confirming to IS733 and IS 1285 fixed with rawl plug abd screws or fixing clips or with expansion hold fasteners including necessary filling up of gaps at junctions at top bottom and sides with required PVC/ Neoprene felt, 8/12 mm toughened glass of approved make etc. Aluminum sections shall be smooth, rust free, straight.mitred and jointed mechanically wherever required including Door Hardware such as cleat angles aluminum snap beading for glazing /paneling, CP Brass/ Stainless steel screws, Stoppers, heavy duty floor hing, S.S. Hinges, aldrip , Locking system, heavy duty Floor Springs, Pivot and fixtures and transparent silicon sealant glass fixing to frame as per details all complete as per architectural drawings and the direction of Engineer in Charge. rate incl. all type of aluminium sections for doors as per the detail Architectural dwg.	SQ.MT	21.60	6,060.71	1,30,911.27
30	Providing and fixing standared extruded of domal alluminium section of size 50 mm x 25 mm x 1.2mm (Jindal or equivalent) with colour anodized 60 micron alluminium frame for ventilation as details etc complete for Ventilation	Sqm	546.00	2,525.00	13,78,650.00
31	WPC patta Providing & fixing 100 x 45mm hollow WPC patta with 32mm MPD-12 patta having 4mm thick upper Outer wall and other internal walls of 3mm each along with many small hovers for maintaining the overall strength of the patta frame. The WPC patta frame having material density of 990kg/m3(IS 2380 – part -3), Shore hardness (D) of 62 (ASTM D2240), Moisture content less than 0.01% and Water Absorption of less than equal to 0.2% (IS 2380 –part– 16), Flammability results of the frame matches with Vo[UL-94] ,IGBC Green Pro certificate , 30, 60, 90 and 120 mins fire resistance- no smoke, stability , integrity and thermal insulation. (ASTM E 119, BS: 476-part 20,22 and IS 3614-Part2) . The Frame & Architraves to be supplied in 3 parts as per customized size with miter cut.all required materials labours and equipments with fixing as per detailed drawing or as direct EIC.	Sqm	164.54	6,565.00	10,80,221.51
32	Providing and fixing M.S.Grills/Gate of required pattern with MS Flats,Channels, pipes, hollow pipes,anchor fast, plates and MS Square/round bars pattern including primer and two coats of luster finish synthetic enamel paints of Asian,Jenson & Nicholson, ICI make complete including anchor fast, hollow pipes etcwith all labours and materials as per the instruction of Engineer In charge.	Kgs	52,570.73	101.17	53,18,670.12
33	IRON WORKS - Providing, fabricating, assembling, hoisting/ erecting and fixing in position at all heights/ all levels/ all floors/ all shapes & sizes with all leads & lifts using all type of rolled section, hollow/ tubular section, sheet, threaded J bolts, insert plate etc as per drawing. all confirming to latest relevant IS codes for the work of steel structures like staircases, spiral stairs, railings, handrail, jali, gates, grills, bracings, platforms, brackets, monkey ladder, cattle trap, false ceiling frame work, Roof canopy, fencing posts, Screen & fencing jali frame work, puddle sleeve and flange etc. including straightening, cutting, bending, bolting and welding the members all as per structural drawings and as per detailed specifications.	Kgs	18,382.53	91.46	16,81,299.70
34	Providing and fixing stainless steel (Grade 304) work 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, INCLUDING fixing the same with necessary accessories & stainless steel dash fasteners , stainless steel bolts, GI nut 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, (Including weight of stainless steel members, fixing accessories such as nuts,bolts, fasteners etc.).	Kgs	1,960.00	761.54	14,92,618.40
35	Terrace water proofing Providing and laying integrated cement based proofing treatment of required thickness over the roof including 10mm thick waterproofing cement plaster in cement plaster in cement mortar1:3 height above finished level of terracing including finishing the top with joint less water proofing plaster , curing , testing etc. complete. Rate is including ten years performance of guarantee bond to be given on stamp paper. Applying and grouting a slurry coat of neat cemnt using 2.75 kg/sqm. of cement admixed with properly water proofing compound conforming to IS -2645 and 10 mm thick water proofing cement plaster in Cement mortar 1:3 over the R.C.C.slabs incl. cleaning the surface before treatment.all complete as directed and specified by the Engineer In Charge.	Sqm	633.90	615.60	3,90,227.39

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36	Providing and laying 18-20 mm thick polished granite stone(Light/Dark shade) machine cut in single piece (Max. available) in sill and jambs of door ,window,ventilation & lift wall cladding,staircase flooring landing, risers & treads, skirting laid over 10 mm thick cement mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with grey cement slurry with matching pigment incl. rubbing and polishing,half rounding edge and incl. fixing of hilty fastener at every 1/3 span of sill as required size etc. complete colour and shed as approved by architect engineer in charge.	SQ.MT	1,335.60	3,313.28	44,25,238.09
37	Providing and laying polished granite stone(Light/Dark shade) slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 18 mm thick. complete colour and shed as approved by architect & engineer in charge. for all height and lead.	Sqm	150.00	2,020.00	3,03,000.00
38	Water proofing of Sunken Toilets, kitchen and balcony Providing and applying chemical water proofing treatment with cement polymer modified based waterproof compound like Tapcrete P151 of CICO & Fiber glass cloth 10X10 woven out of 100% fiber glass yarn as per manufacture's specification or equivalent in three coats over roofs including 300 mm rounding off/ vata on sides of parapet as specified / as per manufacturers specifications and direction of engineer-in-charge and furnishing a guarantee bond of 10 years. Only plan area shall be measured rounding off vata shall not be measured separately and paid for.)	SQ.MT	791.97	522.17	4,13,543.60
39	Providing and laying matt/glosy Vitrified tiles 8 to 10 mm thick , 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1- cement : 3-coarse sand) finishing with flush pointing in white cement with epoxy groove as directed by Engineer In charge. For all height and lead.	SQ.MT	4,646.65	1,344.14	62,45,755.47
40	Providing and laying cement concrete 1:5:10 (1 cement:5 fine sand:10 graded stone aggregate 40 mm nominal size) beddibg for stone ware pipes of 150 mm dia meter with necessary formwork and curing complete.	Cum	2.98	2,517.44	7,489.37
41	Providing & fixing 10 mm thick Polycarbonate panel consist UV protected multicell / microcell structure having panel width of 600 / 900 mm to ensure best performance against windload, live load, vibration & visual appearance made of DANPALON or TUFFLITE. Panel shall be manufactured with vertical standing seam at both sides of the panel. The height of the standing seam is minimum 15 mm to ensure best connectore engagement. panel shall be fixed with snap on connectore with conti. double wall aluminium spacer along the standing seam to ensure best performance against wind up lift/herrican effect with a grip-lock double tooth locking mechanism. panel shall be co-extruded UV protected. panel ends shall be sealed with anti dust aluminium tape & aluminium profiles (mill finish) This includes the cost of labour incl. all accessories req. to fix this panels as per approved shades/colour and direction of engg. in charge. Comp. as per detail drawing & design.	SMT	167.38	7,272.00	12,17,187.36
42	Providing and fixing concealed center point to wall ceiling & floor CPVC(SDR13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia.nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [F] 50mm	Rmt	273.40	653.77	1,78,741.54
43	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II)with necessary connecting accessories of same material at required depth for laying of cable. below ground / road surface for enclosing cable and back filling the same to make ground as per original.	Rmt	250.00	378.40	94,600.00
44	Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet. (A) 100mm dia. Each	NO	76.00	282.16	21,444.44
45	Providing and fixing Conceal Stop Cock with 15mm inlet.	NO	76.00	407.42	30,964.22
46	Providing and fixing concealed centre point to wall ceiling & floor C-PVC pipe For HOT & COLD (SDR - 13.5)ISI mark of approved make having Sanitation Foundation (NSF) seal for potable water of 15 mm dia nominal bore tube fitting and clamps including making good the wall, ceiling and floor etc complete.	Rmt	565.50	166.86	94,360.52
47	Providing and fixing concealed centre point to wall ceiling & floor C-PVC pipe (SDR - 13.5)ISI mark of approved make having Sanitation Foundation (NSF) seal for potable water of 25 mm dia nominal bore tube fitting and clamps including making good the wall, ceiling and floor etc complete.	Rmt	842.00	249.72	2,10,266.35
48	Providing and fixing concealed centre point to wall ceiling & floor C-PVC pipe (SDR - 13.5)ISI mark of approved make having Sanitation Foundation (NSF) seal for potable water of 40 mm dia nominal bore tube fitting and clamps including making good the wall, ceiling and floor etc complete.	Rmt	815.00	442.04	3,60,259.83

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49	Providing, laying and jointing in true line and level 110 diametre U.P.V.C (Type 'B') conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735- 1999 of approved make for water supply system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials	Rmt	308.10	835.15	2,57,309.35
50	Providing and fixing UPVC/SWR Nahni trap of the following nominal dia self cleaning design with top tiles and stainer including cost of cutting and making good the walls and floors 100mm inlet and 50mm outlet including 150 mm x 150mm stainless steel jali with grating.	Each	156.00	571.08	89,089.15
51	Providing and fixing to wall,ceiling and floor U.PVC/SWR soil waste pipe with 'O' ring 110mm dia of ISI 13592/92. Rate inclusive of all fittings like single or double "Y" with door, reducer, coupler single T with door bend, pipe clip on wooden patti etc.complete and making good the wall,ceiling and floor.	Rmt	756.00	494.90	3,74,144.40
52	Providing and fixing in position cowl vent to pipes.(C) 100mm dia	Each	24.00	501.87	12,044.86
53	W. C. Pan (Wall Hung) European type of size 535 x 380 x 400mm: Providing and fixing water closet (Wall Hung type W.C. pan) with concealed P or S trap Including jointing the trap with soil pipe in cement mortar 1:1 (1cement :1 fine sand) (including seat and cover). colour and make directed by in-charge or contractor Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge.	Each	81.00	11,413.00	9,24,453.00
54	Wash basin(Counter top) : Providing and fixing wash basin code No1032 (concord) of cera make or of approved quality and as approved by engineer in-charge with single hole in GRANITE including cutting holes and making good the same with fittings, (A) size of wash basin 550x425mm counter top in white/color as decided by engineer in-charge. The rate is inclusive of bottle trap, waste pipe,brass coupling, 15 mm stop cock , 15 mm pillar cock, connection pipe etc complete.	Each	78.00	6,565.00	5,12,070.00
55	Providing and fixing 25mm dia Chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete JAQUAR/Plumber make	Each	81.00	1,515.00	1,22,715.00
56	Bib Tap :Providing and fixing Bib Tap Chromium plated of 15 mm with necessary concealed fitting and cover panels. All the damages incurred while fixing shall be repaired to the satisfaction of the engineer in-charge. Bib Cock shall be as approved by engineer in-charge	Each	231.00	1,060.50	2,44,975.50
57	Providing and fixing C.P.Brass TOWEL ROD of 600mm x 20mm dia provided at wash basin fixed to wooden plugs with C.P.Brass screws.	Each	79.00	797.90	63,034.10
58	Providing and fixing 600mm x 450mm bevelled edge Mirror of superior glass mounted on 6mm thick A.C.sheet or plywood sheet fixed to wooden plugs with C.P.Brass screws and washe	Each	79.00	833.73	65,865.05
59	2 way bib cock CON-041KN : Providing and fixing 2way bib cock with necessary concealed fitting and cover panels. All the damages incurred while fixing shall be repaired to the satisfaction of the engineer in-charge . 2 in 1 bib cock shall be of Jaguar, Ess Ess, marc made or is equivalent as approved by engineer in-charge	Each	81.00	5,555.00	4,49,955.00
60	Providing and Fixing 20 mm chromium plated brass Health faucet with 1000 mm flexible pipe and necessary accessories, Fixing and Approval of engineer in-charge.	Each	81.00	2,626.00	2,12,706.00
61	Providing and fixing toilet paper holder.(A) C.P. Brass	Each	81.00	418.68	33,912.70
62	Providing & fixing pvc non return full way Wheel Valve / Handle Valve ISI mark only of 40 mm dia. Joints shall be sealed by pipe sealant. For Water pipeLines	Each	11.00	5,555.00	61,105.00
63	Providing & fixing pvc non return full way Wheel Valve / Handle Valve ISI mark only of 25 mm dia. Joints shall be sealed by pipe sealant. for Water pipeLines	Each	15.00	3,535.00	53,025.00
64	Construction brick masonry chamber for underground .inspection chamber and bends with brick having crushing strength not less than 35 kg/cm2 in C:M 1:5 R.C.C. top slab with 1:2:4 mix (1 cement; 2 coarse sand; 4 graded stone aggregate 20mm nominal size) with 8mm dia steel at 15 cm.c/c and providing and fixing precast R.C.C. cover size 0.60 x 0.45 x 0.07 m with 40 x 40 x 5mm angle frame and foundation concrete 1:5:10 inside plaster 15mm thick with cement with a floating coat of neat cement walls and bed concrete etc. complete .Rates are also inclusive of outside plaster 15mm thick in C:M 1:3 from top of chamber and all side upto 45 cms. deep below ground level. (A) Inside dimension 455mm x 610mm and 450mm deep for Multi purpose pipe line.	Each	21.00	2,932.93	61,591.51
65	Extra over above Item No. 35 for additional depth 0.10 mt. or part there of beyond 450 mm depth for brick masonry chamber for 455 mm x 610 mm size	Each	20.00	242.39	4,847.80

Name of Work: Construction of Research scholar hostel At Gujarat University , Ahmedabad.

Schedule B

Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
66	Constructing R.C.C. man hole with r.c.c. top slab in (1:2;4) mix with foundation concrete (1:3:6)) inside plastering 15mm thick in C.M. (1;4) finished with floating coat of neat cement slurry and making channels in cement concrete (1:2:4) mix finished smooth complete incl curing & testing Inside size 900 m.m.x1200 m.m.and 1.5 meter deep including C.I. Manhole cover with frame size 560 mm diameter total weight of coverand frame to be not less than 128 kgs (wt of cover 64 kg & weight of frame 64 kgs) (A) with 230 mm thick walls of brick masonry using bricks having crushing strenth not less than 35 kg/sq cm. in cement mortar (1 :5) (1) A-type depth 0.9 meter for 150 mm diameter sewer	Each	6.00	11,029.97	66,179.81
67	Providing and laying Foamcore or Eco drain pipe , jointing brick masonry chambers, It includes - Excavation, Pipe Laying on PCC, Jointing with Man Hole and Inspection Chambers and Back Filling etc. Make:- Astral / Supreme	Rmt	142.90	1,969.50	2,81,441.55
68	Single Bed : Size of entire structure (6'-10" X 3'-2" X 2'9" (L x W x H) Vertical & Horizontal Structure Wall thickness 1.2mm CRC Square Tube Size: 2" X 1", Other Structure Support Wall thickness 1.2mm CRC Square Tube Size: 1" X 1", Wooden Back Support 6" x 0.75" Teak Wood Section , Wooden Leg Side members 3.5" x 0.75" Teak Wood Section Wooden Legs Dia. 1.5" Teak Wood Section Metal Coating Powder Coated Ply 18mm ISI Standard Ply Oil Painted Powder Coating Black or as per selection Wood Furniture Polishing French Polishing Minimum Thickness of powder coating 7 Micron Type of welding Mig Welding as per detail dwg.	nos	240.00	12,625.00	30,30,000.00
69	Providing & Supplying Table structure made from 18mm thick plywood of MR grade. The Top shall be 38mm thick and 600mm width & Vertical gable shall be 38mm as show in drawing. The skeleton framing with 19mm + 19mm = 38mm thick vertical and horizontal plywood patta both side cover with 6mm plywood as per design and finishing with selected laminate. Before installation, make hole/face plate for conduit pipes of electrical/networking cables with openable stud from horizontal partition. Vertical support of 19mm + 19mm = 38mm thick double plywood cover with 1mm laminate finish including teakwood bidding on exposed edges with melamine polish. Fitted 38mm thick plywood laminated top, fixed with metal clamps including suspended metal keyboardmouse tray fixed with telescoping channel, cable manager. Providing and fixing of softboard (12mm thick) finished with tapestry of good quality (min. of Rs. 200/mtr.) in front of seating. The Keyboard tray is made up of 0.8mm thick CRCA Steel and should be running on telescopic channel. The CPU trolley Made from 0.8mm to 1mm thick CRCA steel sheet. The width of the trolley can be varied for accommodating various widths of CPUs; The trolley is mounted on lockable castors.The rate shall be Including all materials and labour etc. complete as per detail drawing and instruction of engineer-in charge. (Table depth - 600mm)	RMT	327.66	5,565.10	18,23,460.67
70	Wooden Metal Chair with Arm: Size of entire structure (1'-7" X 1-7.5" x 3'-0" (L x W x H) Vertical and Horizontal Structure Wall thickness 1.1mm CRC Square Tube Size: 1.5" X 0.75" Other Structure Support Wall thickness 1.1mm CRC Square Tube Size: 0.75" X 0.75" MS Seat and Back Support 0.75" X0.125" MS Flate Wooden Seat 2.75"X1.0" Teak Wood Section Wooden Back 2.75"X 0.5" Teak Wood Section Wooden Arm Rest 1.75"X 1.5" Teak Wood Section Metal Coating Powder Coated Powder Coating Black or as per selection Wood Polishing French Polishing Minimum Thickness of powder coating 7 Micron Type of welding Mig Welding as per detail dwg.	nos	240.00	7,575.00	18,18,000.00
71	Canteen Chairs (Inside) Providing & supplying Canteen Chair as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	No.	96.00	5,426.93	5,20,985.47
72	Canteen Table (Size: 2400mm x 900mm x 750mm) Providing & supplying Canteen Table as per selection. This item to the satisfaction of the engineer-in charge and consultant. complete as per instruction as directed by site in-charge or architect.	No.	12.00	16,959.16	2,03,509.95
73	Providing and fixing Sand which type Granite platform including supplying and fixing granite stone 18 mm thick mirror polished 1st quality Granite stones in top and side position and vertical strip at front over 25 mm thick polished kota stone platform fixing in top and sides and intermediates supports fixing with cement mortar and adhesive and finishing including cutting for fixing of sink any size (as directed by engineer in charge) at required position etc complete.	Sqm	5.44	7,325.03	39,848.14
74	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50Mt. lead.	Cu.Mt	594.00	109.05	64,775.52
75	Rolling and consolidation using vibratory road roller8-10 tonne capacity (incl.watering) (A) Earthwork (layer not exceeding 200mm thickness)	Cu.Mt	594.00	33.09	19,654.03

Name of Work: Construction of Research scholar hostel At Gujarat University , Ahmedabad.					
Schedule B					
Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
76	Providing laying and spreading granular machine crushed material in required proportion so as to have mix material gradation of GSB grade II, mixing in place with rotavator and grading with mortar grader at OMC and compacted with vibratory roller to achieve desired density etc. complete	Cu.Mt	91.08	1,502.65	1,36,861.15
77	Providing laying spreading and compacting stone aggregates of specific sizes to water bound macadam specification incl. spreading in uniform thickness, hand packing rolling with vibratory roller 80-100 KN static Weight to proper grade and camber, applying and brooming, stone screening materials to fill-up the interstices of coarse aggregate watering and compacting etc. complete as per Specification. Grade –I (45 to 90 mm size M.C. B.T. Metal) 100 mm compacted thickness (As per Rate Analysys)	Cu.Mt	79.20	1,966.02	1,55,708.80
78	Providing laying spreading and compacting stone aggregates of specific sizes to water bound macadam specification incl. spreading in uniform thickness, hand packing rolling with vibratory roller 80-100 KN static Weight to proper grade and camber, applying and brooming, stone screening materials to fill-up the interstices of coarse aggregate watering and compacting etc. complete as per Specification. Grade-II(45 to 63 mm size M.C. .T.Metal) 75mm compacted thickness (Two layer) (As per Rate Analysys)	Cu.Mt	91.08	1,866.14	1,69,967.63
79	Earthwork for embankment including breaking clods ,dressing with all lead and lift (excluding watering and consolidation) (A) From Borrow pits within land width	Cu.Mt	91.08	131.93	12,015.84
80	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.	Cu.Mt	79.20	1,904.10	1,50,804.92
81	Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 310 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing	Cu.Mt	79.20	5,823.35	4,61,209.07
82	Compaction and finishing of cement concrete by trimix M.250 process providing extra Labour charges for the trimix vacume dewatering service process on cement concrete road surface by using vacuum dewatering pump floater surface vibrator including making groves and rough finish to surface including leveling etc complete.		396.00	103.63	41,035.90
83	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidlines of IRC : SP 63-2018 etc. Complete.		126.50	686.90	86,892.98
84	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(E) 450mm		25.00	1,060.59	26,514.77
85	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(G) 600mm	Rmt	15.00	1,381.20	20,717.93
86	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(K) 1000mm		10.00	2,501.24	25,012.45

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Schedule B

Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
87	This includes the scope of supply, installation, testing & commissioning of electrical panel and equipments as listed below. The main equipments materials & erection materials or hardware shall be supplied & installed by the contractor. Proper alignment, tightening of busbars with required torque as instructed by engineer in-charge and specifications. Unloading at site, shifting to final location, assembling, leveling, grouting, erecting, testing and commissioning of following panels as per drawings. Any sort of fabrication work required for erection of panel at site shall be done by the contractor. The contractor shall also check for all the loose joints and continuity of the panel. Any physical or technical defects visualised by the contractor shall be brought to consultants knowledge. CRCA sheet steel used in the construction of PCCs / MCCs / PDBs shall be 2 mm thick for structure, 1.6 mm thick for doors, covers shrouds and 3 mm thick for gland plate and shall be folded and braced as necessary to provide a rigid support for all components. Joints of any kind in sheet shall be seam welded, all welding slag grounded off and welding pits wiped smooth with plumber metal. All sheet steel material shall undergo seven-tank process after all the necessary shearing and other mechanical works are completed. After the seven-tank process powder coating treatment shall be adopted using powder of reputed make. After the powder coating is complete welding in the panel or any sort of shearing, bending or cutting activity shall not be done. The colour shall be Siemens Grey 631. Supply, erecting and commissioning of Main panel as per SLD attached.	nos.	1.00	5,42,810.00	5,42,810.00
88	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & conforms to IS :8828 in existing box having following capacity (b)40 Amp. Cat.III	Ea.	20.00	111.00	2,220.00
89	Miniature circuit breaker single pole 6A to 32A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. conforming to IS 8828/1996 with ISI Mark. Cat.III	nos.	120.00	662.00	79,440.00
90	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed. (ii) 40Amps. DP	nos.	60.00	2,213.00	1,32,780.00
91	Point wiring for Light / Bell with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. with 2 nos 1.5 sq.mm wires + 1 nos 1.5 sq.mm wire for earth in 25mm PVC rigid conduit & other accessories. and all height or any length for wiring.	No	863.00	445.00	3,84,035.00
92	Point wiring for secondary light point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling, complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC box covered with 3 mm thick PC(Polycarbonet) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed. with 2 nos 1.5 sq.mm wires + 1 nos 1.5 sq.mm wire for earth in 25mm PVC rigid conduit & other accessories. all height or any length for wiring.	No	124.00	121.00	15,004.00
93	Point wiring for Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling with following type accessories. Cat. III	No	115.00	239.00	27,485.00
94	Point wiring for FAN with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories. Cat. III. all height or any length for wiring.	No	274.00	623.00	1,70,702.00
95	Providing & erecting Switch board for Computer or electric apparatus consisting of following items in single board erected on PVC / Metal board with 3 mm thick PC (Polycarbonet) / Acrylic sheet erected as directed 1 no. 6A/16A universal plug-switch combined. 1 no. 6A/16A universal plug-switch combined. 4 nos. 6A Switch. 4 nos. 6A 5 pin Plug. [B] For Modular Type Accessories. Cat. III all height or any length for wiring.	No	2.00	1,071.00	2,142.00

Name of Work: Construction of Research scholar hostel At Gujarat University , Ahmedabad.					
Schedule B					
Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
96	Point wiring for Individual Plug with & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in existing pipe duly erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. [I] For 6A Plug with 2-1.5 sq.mm Cu. Wire. (a) with medium class Rigid PVC pipe and accessories. Cat. III. all high or any length for wiring.	PT.	312.00	469.00	1,46,328.00
97	[III] For 16A Plug with 2-4 sq.mm Cu. Wire. (a) with medium class Rigid PVC pipe and accessories. Cat. III	PT.	5.00	691.00	3,455.00
98	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer Incharge. (4) TV Co-axial Socket outlet. Cat.III	nos.	1.00	152.00	152.00
99	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed with wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size. (a) with medium class Rigid PVC pipe and accessories. (a) 2 wire 1.5 sq. mm	mtr.	1,685.00	59.00	99,415.00
100	Supplying and Laying mains with 2 nos. of 2.5 sq mm FR Cu. PVC insulated flexible wire with ISI and FIA approval for 650 V/ 1100 V as Phase and Neutral and 1 no 1.5 sq mm Cu. PVC insulated flexible wires with ISI approval for 650 V/ 1100 V as earth wires to be drawn in 25 mm diameter rigid PVC conduit / Al raceway with all necessary accessories. with 25mm pvc pipe	mtr.	2,261.00	78.00	1,76,358.00
101	Supplying and Laying mains with 2 nos. of 4 sq mm FR Cu. PVC insulated flexible wire with ISI and FIA approval for 650 V/ 1100 V as Phase and Neutral and 1 no 2.5 sq mm Cu. PVC insulated flexible wires with ISI approval for 650 V/ 1100 V as earth wires to be drawn in 25 mm diameter rigid PVC conduit of medium gauge having ISI amid FIA approval with all necessary accessories. with 25mm pvc pipe.	Rmt.	541.20	106.00	57,367.20
102	Supplying and Laying mains with 4 nos. of 10 sq mm FR Cu. PVC insulated flexible wire with ISI and FIA approval for 650 V/ 1100 V as Phase and Nutral and 1 no 6.0 sq mm Cu. PVC insulated flexible wires with ISI approval for 650 V/ 1100 V as earth wires to be drawn in 40 mm diameter rigid PVC conduit of medium gauge having ISI amid FIA approval with all necessary accessories.	Rmt.	556.00	401.00	2,22,956.00
103	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed. (b) 25 mm	mtr.	122.00	32.00	3,904.00
104	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA polyester powder coated and high U.V. & corrosion resistance with diffuser and/or Polycarbonate optics with company mark/name 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 4000 K to 6500K, Uniformity ratio >0.7, Luminaire efficacy> 85 lumens/watt , LED driver efficiency > 85 % CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux(U.S.A.) make LED used for luminaire. (Each fitting required LM-79 & LM-80 Certificates) (A) Tube Light with integral/ non-integral driver(d) 20-22 Watts, Surge - 4KV,IP-20, 4 feet Cat-III . Bajaj BCLSB 18W or approved from GE, Philips & Ensava	nos	342.00	293.00	1,00,206.00
105	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA polyester powder coated and high U.V. & corrosion resistance with diffuser and/or Polycarbonate optics with company mark/name 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 4000 K to 6500K, Uniformity ratio >0.7, Luminaire efficacy> 85 lumens/watt , LED driver efficiency > 85 % CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux(U.S.A.) make LED used for luminaire. (Each fitting required LM-79 & LM-80 Certificates) (D) LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete. © Square/ Circular Surface/Recessed Mounted Downlight with provision for spring loaded mounting clips complete. © 20 watts, Surge-4 KV Cat-III Bajaj BZSLH 24W SQ or approved from GE, Philips & Ensava	nos	9.00	751.00	6,759.00

Name of Work: Construction of Research scholar hostel At Gujarat University , Ahmedabad.					
Schedule B					
Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
106	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA polyester powder coated and high U.V. & corrosion resistance with diffuser and/or Polycarbonate optics with company mark/name 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 4000 K to 6500K, Uniformity ratio >0.7, Luminaire efficacy> 85 lumens/watt , LED driver efficiency > 85 % CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux(U.S.A.) make LED used for luminaire. (Each fitting required LM-79 & LM-80 Certificates) (D) LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete. © Square/ Circular Surface/Recessed Mounted Downlight with provision for spring loaded mounting clips complete. © 18 watts, Surge-4 KV Cat-III Bajaj BZSLH 18W SQ or approved from GE, Philips & Ensave	nos	315.00	584.00	1,83,960.00
107	Providing & erecting Approved make Power Saving 50 Watt Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C. 50 Hz 1200 mm sweep complete having 3blades with aluminium blades with , canopy & 30 cms. down rod erected with 24/ 0.2, 3 core flexible wire with earthing.	nos.	274.00	1,581.00	4,33,194.00
108	Supplying & erecting approved make low noise decorative exhaust fan having size 200mm with 1350 RPM with square frame ABS body with inbuilt lowers & square frame.	nos.	156.00	1,687.00	2,63,172.00
109	Supplying & erecting in earthpit of minimum bore dia. 225mm size ASH or approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free G.I.Pipes having Outer pipe dia of 80 mm having 80-200 Micron galvanising, Inner pipe dia of 40 mm having 200-250 Micron galvanising, connection terminal dia of 14 mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications. [C] For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA)i.e. independent Earthing located in other than normal soil i.e. Soft Rock, Marshy Soil etc.. -Length of Pipe : 3 Mtrs. -Back filling Compound :2 nos Bags of 25 Kg. all testing report submit	nos.	8.00	10,489.00	83,912.00
110	Providing and erecting required size Copper strip for earthing of H.T. OCB / ACB/ Transformer, LT pannel board, Motors etc. using copper clamp.	kg	150.00	787.00	1,18,050.00
111	Providing one bag of 25 Kg. Additional Back Filling Compound (BFC) suitable for safe earthing device.	nos.	22.00	700.00	15,400.00
112	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 S.W.G.	Kg.	150.00	77.00	11,550.00
113	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables. (E) 3 1/2 core 120 Sq. mm (70 Sq. mm 1/2 core)	mtr.	355.00	529.00	1,87,795.00
114	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.(E) 3 & 1/2 core 120 Sq. mm	nos.	2.00	153.00	306.00
115	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.(A) 3 & 1/2 / 4 core 25 Sq. mm	nos.	2.00	51.00	102.00
116	Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner.(H) 120 Sq.mm.	nos.	16.00	45.00	720.00
117	Solderless crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/2.5 to 6 Sq.mm	nos.	160.00	8.00	1,280.00
118	Providing and fixing "WELLTECH" or approved make Perforated C type cable tray. Made from pre-galvanized CR sheet steel. The cable tray should be bended as per IS 2062/1079 . with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer incharge.(3)150 X 50 X 1.5 mm Thick	Rmt.	75.00	420.00	31,500.00
119	Providing and fixing "WELLTECH" or approved make Perforated C type cable tray. Made from pre-galvanized CR sheet steel. The cable tray should be bended as per IS 2062/1079 . with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer incharge. (5)300 X 50 X 1.5 mm Thick	Rmt.	20.00	616.00	12,320.00
120	Making trench in soft soil of suitable width of 90 cms deep for laying cable or locating the fault all over the run and backfilling the same and making the surface as normal ground. (A)For 35 Sq. mm to 95 Sq. mm cable.	mtr.	425.00	46.00	19,550.00
121	Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles, flats, bars, channels, sections complete with cutting, welding, grinding & finishing duly painted with one coat of redoxide with erection on site as per direction of engineer in charge with necessary gouting, cementing, plastering & finishing complete.	Kg	32.00	77.00	2,464.00

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Schedule B					
Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
122	oint wiring for Individual Plug with & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug with 2-2.5 sq.mm Cu. Wire Cat. III	Each	20.00	691.00	13,820.00
123	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, conforming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) (J) Three phase 4 way SS Double door for single phase outgoing horizontal box	NOS	20.00	1,664.00	33,280.00
124	CCTV:- Supply installation and testing o f1/2.7" Megapixel CMOS, 25/30FPS@720P, 3.6mm fixed lens, IR Leds to cover length up to 20m.With Required Power supply and suitable mountings.	nos.	51.00	8,100.00	4,13,100.00
125	Supply installation and testing of Digital Video Recording unit with 16CH 720P 1.5U / 4CH Audio, 16CH Alarm / HDMI, VGA, TV Out / 4HDD, 1eSATA.With Storage of 30Days and all required assocories.	nos.	4.00	45,900.00	1,83,600.00
126	Supply installation and testing of vms software and cetal multiple DVR unlimited clint lince	nos.	1.00	63,000.00	63,000.00
127	Supply & erecting 42"/40" Full HD LED Television with necessary wall stand (Sony Make Bravia KLV-40R 482 B 40" or LG make 42 LN 5490 Model Only)	nos.	2.00	32,900.00	65,800.00
128	Supply installation and testing of 19" Rack 650mm depth, 42U high amplierrack assembly made of aluminium channel equivalent to euro rack system, with side and rear panels made of 14 swg powder coated sheet steel front transparent perspexdoor and with rails, rollers & bearings. Fans shall provided at the top for ventilation side panels will be ventilated type.The rack shall be powder coated of approved color and spare 'U' shall be covered with blank panels.	nos.	2.00	6,300.00	12,600.00
129	Supply installation and testing of Computer : Core I 3 Processor with 1 GB graphics card, 1 tb HDD, 4 GB ram, keyboard,mouse.	nos.	2.00	47,200.00	94,400.00
130	RG6 Coaxial Cable 75 Ohms With PVC Jacket, RG6 Coaxial Cable Quick Details: F660BV-BW RG6 Coaxial Cable 18AWG CCS Polyethylene Insulation Bonded aluminum PET foil 60% braiding coverage Standard shield PVC jacket Applications	Rmt.	2,935.00	90.00	2,64,150.00
131	Supply & Laying of 2 Core 1 Sqmmpvc sheathed Flexible pvc insulated copper wire.	Rmt.	2,935.00	81.00	2,37,735.00
132	Supplying, installation, testing and commissioning of electric driven main fire hydrant and sprinkler pumps suitable for automatic operation and sisting of following: complete in all respect as required. Horizontal type, multistage, centrifugal, split casing pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 kg/sq.cm. at highest and farthest outlet at specified flow of 137 m3/Hr at 90m head conforming to IS 1520. Suitable HP, SQ cage induction motor, TEFC, synchronous speed 2900 RPM, suitable for operation on 415 ± 6% volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure with Class-'F' insulation, conforming to IS-325. M. S. fabricated common base plate, coupling,coupling guard, foundation bolts etc. as required. Make - Kirloskar, Mather platt, Greaves	Set	1.00	7,73,104.50	7,73,104.50
133	Supplying, installation, testing and commissioning of electric driven pressurisation pump suitable for automatic operation and consisting of following: complete in all respect as required. Horizontal type, multistage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal and flow of 10.8 m3/Hr at 90 m head conforming to IS: 1520. Suitable HP, SQ cage induction motor TEFC type suitable for operation on 415 volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with class 'F' insulation, conforming to IS: 325. M. S. fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required. Make - Kirloskar, Mather platt, Greaves	Set	1.00	1,84,072.50	1,84,072.50
134	Supplying, installing, testing and commis-sioning of Control Panel suitable for 1 nos of Electric Motor Driven Fire pump and 1 nos of jockey pump for auto start and stop of jockey pump and auto start of main pumps with the provision of push buttons for manual stop. Make - CPRI approved	Set	1.00	2,04,529.09	2,04,529.09
135	Cabling and Double Earthing within Pump House for Fire Pumps and for Terrace Level Pump from Control Panel to drives and instrumentation. Make - Finolex, Incab, Polycab	Job	1.00	40,900.91	40,900.91
136	Providing and fixing of dial type Pressure Guage having 100 mm dial & range of 0-15 Kg/cm2 with syphon and cock. Make - Hguru, Fiebig	Each	3.00	1,362.14	4,086.41
137	Providing and fixing of Pressure switches with fittings as per required. Make - Indfoss, Switzer	Each	2.00	4,086.41	8,172.82

Name of Work: Construction of Research scholar hostel At Gujarat University , Ahmedabad.					
Schedule B					
Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
138	Providing, fixing, testing and commissioning of above ground M.S. ERW Black Heavy duty pipes as per IS: 1239 (upto 150 mm dia.) and IS: 3589 (upto 200 mm dia. And above) including cutting, screwing, welding etc. and providing all structural work fabrica-ted from standard sections, (MS rounds, angles, channels etc.), and fittings like flanges, bends, tees, elbows, reducers, clamps, hangers, fasteners etc. including cutting, drilling, welding, cutting holes and chases in brick / RCC walls / slabs complete with painting of one coat of rich zinc primer and 2 or more coats of synthetic enamel paint of approved make / shade complete as per specification.Make - Tata, Zindal, Surya prakash 100 mm dia.	Rmt	125.00	1,470.49	1,83,811.44
139	80 mm dia.	Rmt	80.00	1,142.67	91,413.56
140	Providing and fixing,testing and commissioning of Foot Valve with strainer made from CI body with bottom and top removable flanges of sizes: Make - Audco, Venus, Leaders 100 mm dia.	Each	2.00	38,712.96	77,425.92
141	Providing and fixing, testing and commissioning of Buterfly valve PN 1.6 with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets, conforming to I.S:13095 of following size: Make - Audco, Intervale, Sarkar 100 mm dia.	Each	6.00	10,565.28	63,391.68
142	80 mm dia.	Each	2.00	7,920.00	15,840.00
143	Providing, fixing, testing and commissioning of dual plate CI non-return valve of following sizes conforming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc. as required. Make - Audco, Intervale, Sarkar 80 mm dia.	Each	2.00	10,565.28	21,130.56
144	Providing, fixing, testing and comissioning of S.S. Ball valve of sizes: Make - Audco, Leader, KSB 50 mm dia.	Each	1.00	4,055.04	4,055.04
145	Providing, fixing, testing and commissioning of 63 mm dia 15m long RRL hose pipe with 63 mm dia. Male and female gun metal couplings duly binded with GI wire, rivets etc. conforming to IS 636 (type-A) as required. Make - Shah Bhogilal, Newage	Each	24.00	3,661.25	87,870.00
146	Providing, fixing, testing and commissioning of Stan-dard Gun metal branch pipe with nozzle of 20 mm nominal bore outlet as per IS:903 suitable to fit with standard instantaneous type 63 mm coupling.Make - Shah Bhogilal, Newage	Each	15.00	4,403.52	66,052.80
147	Supplying and fixing First Aid Fire hose reel with MS construction spray painted in post office red, conforming to IS 884 with upto date amendments, complete with the following as required. A. 30m long 25 mm (nominal internal) dia water hose thermoplastic (textile rainforced) type-2 as per IS: 12585 B. 25 mm (nominal internal) dia shut off nozzle. C. Drum and brackets for fixing the equipments on wall. D. Connections from riser with 25 mm dia. S.S. stop valve. Make - Shah Bhogilal, Newage	Each	15.00	7,425.21	1,11,378.18
148	Providing, fixing, testing and commissioning of Weather proof standard fire hose cabinet stand mounting type (750 mm x 600 mm x 300 mm deep) having single or double opening with M.S. Fabricated Stand, necessary locking arrangement by allan key suitable for housing 2 nos. hose pipe, 1no. Branch pipe & nozzle spaner. Make - Shah Bhogilal, Newage	Each	4.00	8,094.24	32,376.96
149	Providing, fixing, testing and commissioning of Weather proof standard fire hose cabinet wall mounting type(750 mmx600 mmx300 mm deep) having single/double opening with necessary locking arrangement by allan key suitable for housing 2 nos. hose pipe, 1no. Branch pipe & nozzle spaner.Make - Shah Bhogilal, Newage	Each	11.00	3,471.37	38,185.07
150	Supplying, fixing, testing and commissioning of 2 way fire brigade connection of cast iron body with 4 nos. gun metal instantaneous inlet couplings com-plete with cap&chain as required for 150 mm dia MS pipe connection, conforming to IS:904 as required (1 for System & 1 for U.G. Fire Water Tank). Make - Shah Bhogilal, Newage	Each	1.00	10,278.77	10,278.77
151	Providing, fixing, testing and commissioning of Gun Metal Air Release Valve on top of each riser with 25 mm dia. S.S.Ball Valve.Make - Sant, Zoloto	Each	1.00	4,336.84	4,336.84
152	Getting Approval of Fire Hydrantsystem from local fire authority and any other relevant statutory authority at initial and various other stages of work, including preparation of report/drawi-ngs as per fire authority. Contractor shall include cost of all liason work which are not explicitly menti-oned above but are mandatory to have fire authority approval (*any statutory charges will be paid extra).	job	1.00	1,26,250.00	1,26,250.00
153	Providing AUTOGLOW Signages in Block / Small Letters of Specified Sizes: a). Fire lift size: 4" X 12"	Each	10.00	360.57	3,605.70
154	Emergency exit size: 4" X 12"	Each	10.00	360.57	3,605.70
155	Fire exit size: 4" X 12"	Each	10.00	360.57	3,605.70
156	Fire Hydrant Line: 4" X 12"	Each	10.00	360.57	3,605.70
157	Fire Hose Reel: 4" X 12"	Each	20.00	360.57	7,211.40
158	Fire Hose Box: 4" X 12"	Each	20.00	360.57	7,211.40
159	"DCP" Extinguisher: 8" X 4"	Each	10.00	360.57	3,605.70
160	Water "CO2" Extinguisher: 8" x 4"	Each	10.00	360.57	3,605.70
161	In case of Fire, do not use lift, use staircase: 8" x 8"	Each	10.00	360.57	3,605.70
162	Providing and fixing Fire Extinguishers, Hand appliances: Make - Fire age, Cease fire, Minimax a). "DCP" type Fire Extinguisher of 6 Kgs. Capacity.	Each	10.00	1,893.75	18,937.50

Name of Work: Construction of Research scholar hostel At Gujarat University , Ahmedabad.

Schedule B

Sr.No	Item Description	Unit	Total Qty	Rate	Total Amount
163	Water "CO2" type Fire Extinguisher of 5 Ltr. capacity.	Each	10.00	4,671.25	46,712.50
164	Providing, fixing, testing and commissioning of Hydrant Valve on top of each riser	Each	15.00	13,200.00	1,98,000.00
165	<p>Supplying, Erecting, Testing & Commissioning the passenger having following main features:[1] GEAR LESS LIFT DRIVE comprising of High Starting torque Lift duty 3 phase 440 V A. C. Permanent magnetic synchronous motor of proper rating with high efficiency shall be used.[2] Micro processor based / PLC, ACVVf, vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/DOWN hall stops, Main, Up/ Down Contactor with overload and phase reversal relay and safety controls.[3] Car with M S platform with bracings of adequate size and to sustain the impact load cabin + passenger with safety factor of fire for steel and side panels of Stainless steel of sheet of grade 304 duty. Car ceiling will be S.S. finishes with aesthetic appearance with LED ceiling lights. Car flooring shall be of anti skid PVC with choice of colour of engineer in charge. Car doors shall be of stainless steel grade 304, hairline finish with centre opening / telescopic automatic doors. Car panel will also be S.S. 304 finished with emergency stop device, mechanical door safety device, facility of auto/ attended mode. All car panel buttons and all floor switches must be with brail language as per lift act.[4] All landing doors shall be fully automatic centre opening/ telescopic opening made of hairline finish steel grade of 304 with key holes and infrared curtains with Unlocking facility from outside.</p> <p>[5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided.[6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors.[7] Full height infra red curtain with multiple criss / crossing light beams shall be provided.[8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity.[9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.[17] Permanent wiring in lift machine room and lift well with proper numbers of light points, with fixtures, exhaust fan and plug points shall be provided by the agency. Power supply of 3 phase 440 V shall be made available by department in lift machine room.[18] Any civil/ electrical works for additional and alteration in lift shaft and machine room related to erection of lift shall be made by lift agency without any extra cost.(granite/marble fixing around all landing door openings are not in lift agency's scope.)[19] Agency has to provide all working drawings and documents and liaison services for obtaining all necessary permission from lift</p>	Each	2.00	29,68,464.74	59,36,929.48
Total Amount					17,64,99,022.75