

NAME OF WORK:- CONSTRUCTION OF 3 rd Floor on A.U.ENGINEERING COLLEGE ALUMNI HOSTEL BLOCK AT ANDHRA UNIVERSITY, VISAKHAPATNAM.

Schedule-A

Sl.No.	Probable quantity in figures and words		Description of Work	APSS /Month	Rate in figures and words	Unit	Amount in Rs.
	Qty.	Unit in words					
THIRD FLOOR							
			Vibrated Reinforced Cement Concrete M-30 Mix as per Table 9 of IS 456 using 20mm size (SSS) hard granite machine crushed graded metal (Coarse aggregate) from approved quarry, including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including steel centering, shuttering and scaffolding with props and steel plate as per the approved shuttering plan, machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work (APSS No. 402 & 403)	402 & 403			
1	16.50	Cum	sixteen point five cubic meters COLUMNS		Rs.	Cum	
2	38.00	Cum	Thirty eight cubic meters For Roof Beams		Rs.	Cum	
3	596.00	Smt	Five hundred and ninety six square meters For Roof slab 150mm thick		Rs.	Smt	
4	3.15	Cum	Three point five cubic meters For lintels		Rs.	Cum	
5	40.00	Smt	Forty square meters for sun shades of 60mm thick		Rs.	Smt	
6	120	Cum	One hundred and twenty cubic meters Fly ash brick Masonry for panel walls in superstructure with CM (1:6) prop: (cement : sand) using second class traditional bricks of size 290x225x140 cm from approved quarry and having minimum crushing strength of 40 Kg/Sqcm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, including Seigniorage charges, sales & other taxes on all materials and such as labour charges, like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing, etc., complete for finished item of work. (APSS No. 501 & 504).	501 & 504	Rs.	Cum	
7	660.00	Smt	Six hundred and sixty square meters Ceiling Plastering with cement mortar (1:3) mix 12 mm thick etc., upto 3.66 M Height in ground floor for ceiling/ RCC surfaces including cost and conveyance of all the materials like cement , sand, water etc., to site, including seignior age charges , sales & other taxes on all materials, and all operational , incidental charges on materials and including cost of all labour charges for mixing mortar, finishing ,curing as directed by the engineer APDSS No.901&903	901 & 903	Rs.		
8	1530	Smt	One thousand five hundred and thirty square meters Plastering with cement mortar (1:5) 12 mm thick for masonry works including cost and conveyance of all the materials like cement , sand, water etc., to site, including seignior age charges , sales & other taxes on all materials, and all operational , incidental charges on materials and including cost of all labor charges for mixing mortar, finishing ,curing as directed by the engineer APDSS No.901&903	901 & 903	Rs.	Smt	
9	530.00	Smt	Five hundred and thirty square meters Flooring with vitrified tiles , 1st quality and size 0.6 m x 0.6 m x 8 mm approved brand by the engineer- in charge, set over base coat of cement mortar (1:8) , 20 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @3.3 kgs/m2 & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement , sand , water etc complete for finished item of workr . (APSS NO . 701 & 707)	701& 707	Rs.	Smt	
10	50	Smt	Fifty square meters Ceramic tiles flooring 1st quality and of size as approved by Engineer-in-charge, set over base coat of cement mortar (1:8), 12mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3 Kgs per Sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand , water and tiles etc., complete for finished item of work. (APSS No.701 & 707)	701& 707	Rs.	Smt	
11	240	Smt	Two hundred and forty square meters Providing dadoing to walls with glazed coloured tiles 1st quality of size approved by Engineer-in-Charge set over base coat of CM(1:5) 12 mm thick with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointing with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., complete for finished item of work.	701& 707	Rs.	Smt	
			One thousand Painting with plastic emulsion paint of grade-I standard make to Interior faces of walls two coat of approved make shade and color over primer coat with cement primer grade - I including cost and conveyance of materials like Plastic				

12	1700	Smt	seven hundred square meters	Emulsion paint, white cement to site including cost of brushes, scaffolding charges, lift charges and labor charges such as preparing the wall, applying primer coat, two coats of Plastic Emulsion etc., complete for finished item of work (APSS No.910, 911&1201) in all floors.	910,911 & 1201	Rs.		Smt	
13	600	Smt	Six hundred square meters	Painting with plastic emulsion paint of grade-I standard make to Exterior faces of walls two coat of approved make shade and color over primer coat with cement primer grade - I including cost and conveyance of materials like Plastic Emulsion paint, white cement to site including cost of brushes, scaffolding charges, lift charges and labor charges such as preparing the wall, applying primer coat, two coats of Plastic Emulsion etc., complete for finished item of work (APSS No.910, 911&1201) in all floors.	910,911 & 1201	Rs.		Smt	
14	140	Smt	One hundred and forty square meters	Providing enamel paint two coats over base coat of primer paint with best quality of paint Asian, Berger paints to new iron works etc. complete as per ss	910,911 & 1201	Rs.		Smt	
15	17000	Kg	One thousand seven hundred kilograms	Supplying, fitting and placing HYSD / TMT bar reinforcement in VRCC works complete as per drawings and technical specifications for bars below 36mm dia including over laps and wastage, where they are not welded including cost and conveyance of steel, binding wire etc., lifting charges of steel, placing in position, tying with binding wire, all tools etc., complete for finished item of work .APSSNo 403 for third floor	403	Rs.		Kg	
16	18	Smt	Eighteen square meters	Providing High polished black granite planks flooring 16 to 18 mm thick upto 2.4 m length set over base coat of cement mortar (1:8), 20 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @3.3 kgs/m ² & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand, water etc complete for finished item of work. (APSS NO . 701 & 707). for all FLOORS.	701 & 707	Rs.		Smt	
17	6	Smt	Six square meters	Providing Shell white granite planks flooring 16 to 18 mm thick upto 2.4 m length set over base coat of cement mortar (1:8), 20 mm thick over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @3.3 kgs/m ² & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand, water etc complete including seignior age charges etc., complete for finished item of work. (APSS NO . 701 & 707). for all floors	701 & 707	Rs.		Smt	
18	110	Rmt.	One hundred and ten square meters	Providing tread lines 2to 3mm wide for Granite steps to finish non slippery surface including hire charges for tools and all labour charges etc. complete as per BMM-U-51		Rs.		Rmt.	
19	40	Rmt.	Forty square meters	Half rounding the edge for granite and marble stone planks after polishing the same etc and complete.		Rs.		Rmt.	
20	6	Smt	Six square meters	Vibrated Reinforced Cement Concrete M-30 Mix as per Table 9 of IS 456 using 20mm size (SS5) hard granite machine crushed graded metal (Coarse aggregate) from approved quarry, including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including steel centering, shuttering and scaffolding with props and steel plate as per the approved shuttering plan, machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work (APSS No. 402 & 403) for 7.5 cm thick Slab in TERRACE Floor		Rs.		Smt	
21	2000	Kg	Two thousand kilograms	Supplying, fitting and placing HYSD / TMT bar reinforcement in VRCC works complete as per drawings and technical specifications for bars below 36mm dia including over laps and wastage, where they are not welded including cost and conveyance of steel, binding wire etc., lifting charges of steel, placing in position, tying with binding wire, all tools etc., complete for finished item of work .APSSNo 403 for Terrace floor		Rs.		Kg	
22	36	Each	Thirty six numbers	Supply and fixing of fan hook in RCC slab of 12/15mm dia MS rod while laying slab.		Rs.		Each	
23	135	Smt.	One hundred and thirty five square meters	Reinforced Brick Masonry work in CM (1:3) 10 cm thick prop with Fly ash Cement solid blocks of size 230 x 100 x 65 mm for manufacturing of fly ash solid blocks using flyash of 80 kgs, cement of 15 kgs. Gypsum of 5 kgs. and stone dust and using hoop reinforcement of 15 kg of steel per 10 sq.m area including cost and conveyance of all materials, labour, seiniorage charges, scaffolding and curing etc.but excluding cost of steel, complete with a compressive strength not less than 100 kg/sqm for walls for Third Floor.		Rs.		Smt.	
24				Reinforced Cement Concrete M-30 Mix as per Table 9 of IS 456 using 20mm size (SS5) hard granite machine crushed graded metal (Coarse aggregate) from approved quarry, including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including steel centering, shuttering and scaffolding with props and steel plate as per the approved shuttering plan, machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work (APSS No. 402 & 403)		Rs.			

	54	Smt.	Fifty four square meters	For 50mm thick Planks Third Floor		Rs.		Smt.	
	30	Smt.	Thirty square meters	For 25mm thick self racks Third Floor		Rs.		Smt.	
25	7	Rmt.	Seven running meters	Providing stainless steel hand railing with 316 Grade, 16 guage , 50 mm for top hand rail, 40mm die vertical support and 25mm dia Horizontal two lines as per the approved pattern and design as directed by the site Engineers for hand railing of 914mm(36") height above the finished floor level including cost of materials and conveyance to site, VAT Taxes and labour charges for all oprations etc. complete as per wuch as fabrication of hand railing drilling of holes in R.C.C Steps and finising of Handrailing leg reconnection etc., complete for finished item of work. The SS steel of 316 grade with lab test certificate should be prodiced as directed by the department		Rs.		Rmt.	
27	666.00	Rmt.	Six hundred sixty six square meters	Providing impervious coat over RCC roof slab to required slopes with CM (1:3) prop. 20mm thick (average) mixed with water proofing compound manufactured by reputed manufacturers as approved by Engineer-in-charge at 1Kg/bag of cement, laid over roof slab when it is green, finished smooth with a floating coat of neat cement and thread lining at regular intervals of 45cmx45cm including cost and conveyance of all materials like cement, sand, water proofing compound, water etc., to site, seigniorage charges, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, laying, rounding off at junctions of wall and slab, rendering smooth with thread lining, curing, lift charges, etc., complete for finished item of work (APSS No. 901 & 903).		Rs.		Rmt.	
28	37	Smt.	Thirty seven square meters	Supply and fixing in position country wood doors, frame made with Malasia sal or nallamaddi for and commercial ply wood flush door shutter 35 mm thick and using 100mmx75mm scantlings for frames and fixed the frame into the masonry by means of z_hold fasts not less than 6numers with necessary screws not less than 50mm length etc complete finished item APSS No 1001,1002 for all floors		Rs.		Smt.	
29	20	Smt.	Twenty square meters	Supplying and Fixing in position PVC Doors necessary locking arrangement etc completed as directed for all floors		Rs.		Smt.	
30	44	Smt.	forty four square meters	Supplying and Fixing in position Powder coated aluminium glazed sliding windows using 2 mm thick sections of Zindal make with necessary locking arrangement etc completed as directed for all floors		Rs.		Smt.	
31	4	Smt.	Four square meters	S& F Powder coated aluminium Single fixed Louvers Ventilator size of 2' 0" x 2' 0" (609.6 x 609.6mm) with 4mm thick pinheaded glass. For all floors		Rs.		Smt.	
32	48	Smt.	Forty eight square meters	Supplying and fixing in position M.S grills at 16 kg/m2 including fabrication ,cost of welding rods, power charges and fixing in position by screws to the frames etc complete for all floors		Rs.		Smt.	
33	4	Smt.	Four square meters	Supplying and fixing in position Red Jollies with 50mm thick etc complete . For all floors		Rs.		Smt.	
34	54	Rmt.	Fifty four square meters	Manufacture, Supply and Delivery of C PVCs Pipes(20mmØ /22.2MM) for potable water supplies conforming to IS : 4985/2000 (3rd revision) with bell ends (Socket) as per specification in light Grey/Natural Ivory Grey/ Any other Color (except White) inclusive of transportation to the sub-divisional stores anywhere in AP excluding all taxes		Rs.		Rmt.	
35	40	Rmt.	Forty running meters	Manufacture, Supply and Delivery of Unplasticised PVCs Pipes(25mmØ/26.6mm) for potable water supplies conforming to IS : 4985/2000 (3rd revision) with bell ends (Socket) as per specification in light Grey/Natural Ivory Grey/ Any other Color (except White) inclusive of transportation to the sub-divisional stores anywhere in AP excluding all taxes		Rs.		Rmt.	
36	16	Each	Sixteen numbers	Supplying & fixing CI floor traps 1st quality ISI marked conforming to IS:1729-1979 with C.P. Grating fixing with white cement as per site requirements with standard practicefor nominal dia 75 mm (3") and grating size 165 mm dia of weight not less than 5.5 Kgs		Rs.		Each	
37	4	Nos.	Four numbers	Supplying & Fixing Indian makeFlat Back Wash Hand Basin1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain,32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 630 x 450 mm - Single C.P. Pillar cock Each 2091		Rs.		Nos.	
38	16	Nos.	Sixteen numbers	S&F 12.7 mm N.P bib tap Indian make heavy dutys		Rs.		Nos.	
39	12	Nos.	Twelve numbers	Supply & Fixing of towel rail 24" Jaquar make Continental series, Chrome finish with 7 years warranty		Rs.		Nos.	
40	12	Nos.	Twelve numbers	Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 ofwhite glazedwith 'P' trap Each 1784		Rs.		Nos.	
41	2	Nos.	Two numbers	S & F Gunmetal Gate (GM peet) valve as per IS - 778 Class - I, Indian make heavy type - 25 mm NB Size		Rs.		Nos.	

42	55.00	Cum	Fifty five cubic meters	Fly ash brick Masonry for panel walls in superstructure with CM (1:6) prop: (cement : sand) using second class traditional bricks of size 290x225x140 cm from approved quarry and having minimum crushing strength of 40 Kg/Sqcm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, including Seigniorage charges, sales & other taxes on all materials and such as labour charges, like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing, etc., complete for finished item of work. (APSS No. 501 & 504). for wall terrace		Rs.			Cum	
43	660	Smt.	Six hundred and sixty square meters	White Cement two coats with with suryacem whitening of approved quality to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials including cost of all materials, labour charges and incidental such as scaffolding, lift charges etc., complete for finished item of work, but excluding conveyance charges of materials.		Rs.			Smt.	
44	220	Smt.	Two hundred and twenty square meters	Plastering with cement mortar (1:5) 12 mm thick in Ground floor for masonry works including cost and conveyance of all the materials like cement , sand, water etc., to site, sales & other taxes on all materials, and all operational , incidental charges on materials and including cost of all labor charges for mixing mortar, finishing ,curing as directed by the engineer APDSS No.901&903. in TF(Terrace)		Rs.			Smt.	
45	10	Cum	Ten cubic meters	Dismantling and clearing away the Brick Masonry walls		Rs.			Cum.	
46	6.4	Cum	six point four cubic meters	Dismantling and clearing away the RCC dummy columns		Rs.			Cum	
47	60	Rmt.	Sixty running meters	Supply laying and jointing of 110 mm dia PVC pipe of 6 kg/ sq cm Prince/ Sudhakar with PVC clamps screws etc. Complete APDSS No.1101		Rs.			Rmt.	
48	10	Nos.	Ten numbers	Supply and fixing in position 110 mm dia PVC plain bends etc. Complete		Rs.			Nos.	
49	5	Nos.	Five numbers	Supply and fixing 110 mm dia PVC door bends etc. Complete		Rs.			Nos.	
50	5	Nos.	Five numbers	Supply and fixing 110 mm dia PVC door T 's etc. Complete		Rs.			Nos.	
51	5	Nos.	Five numbers	Supply and fixing 110 mm dia PVC Y Junctions etc. Complete		Rs.			Nos.	
52	50	Rmt.	Fifty running meters	Supply laying and jointing of 75 mm dia PVC pipe Prince/ sudhakar with PVC clamps etc.,		Rs.			Rmt.	
53	5	Nos.	Five numbers	Supply and fixing in position 75 mm dia PVC Plain bends etc.,Complete.		Rs.			Nos.	
54	5	Nos.	Five numbers	Supply and fixing 75 mm dia PVC door bends etc. Complete		Rs.			Nos.	
55	5	Nos.	Five numbers	Supply and fixing 75 mm dia PVC door T 's etc. Complete		Rs.			Nos.	
56				Vibrated Reinforced Cement Concrete M-30 Mix as per Table 9 of IS 456 using 20mm size (SS5) hard granite machine crushed graded metal (Coarse aggregate) from approved quarry, including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including steel centering, shuttering and scaffolding with props and steel plate as per the approved shuttering plan, machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work (APSS No. 402 & 403) for Terrace stair case -4th Floor	402 & 403					
A	1.38	Cum	One point three eight cubic meters	COLUMNS		Rs.			Cum.	
B	2.48	Cum	Two point four eight cubic meters	For Roof Beams		Rs.			Cum.	
C	24	Cum	Twenty four cubic meters	For Roof slab 150mm thick		Rs.			Cum.	
D	0.05	Cum	point zero five cubic meters	For lintels		Rs.			Cum.	
ELECTRICAL ITEMS										
57	250	Rmt.	Two hundred and fifty	Supply of laying of ISI 25mm outer dia medium (2.20mm thickness) Grade with IS:9537 part 3 regid FRLS PVC pipe conseales in Roof Slab with all required PVC Deep Boxes including masonary work and labour charges etc., complete. Makes: Precision/Universal & Marudhar/VIP/ GoldMedal/ Million Plast/ GM/ Sudhakar/ Anchor/ Polyline/Polycab/Orbit/AKG (Date No: 19-20-6.1.6)					Rmt.	
				Supply of laying of ISI 25mm outer dia medium (1.80mm thickness) Grade with IS:9537 part 3 regid FRLS PVC pipe conseales in wall with						

58	250	Rmt.	Two hundred and fifty	PVC junction boxes and all required accessories including masonry work for light, fan and separate plug point fixing of suitable size well seasoned wooden deep box/Metal deep box/ Module deep box including all labour charges etc. complete.Makes: Precision/Universal & Marudhar/VIP/ GoldMedal/ Million Plast/ GM/ Sudhakar/ Anchor/ Polyline/Polycab/Orbit/AKG Makes: Precision/Universal & Marudhar/VIP/ GoldMedal/ Million Plast/ GM/ Sudhakar/ Anchor/ Polyline/Polycab/Orbit/AKG (Date No: 19-20-4.1.2)				Rmt.		
59	140	Rmt.	One hundred and forty	Wiring with run of 2 of 22/0.3mm (1.5mm) FRLS/HFFR/ZHFR PVC insulated flexible ISI mark copprr cable in existing PVC Conduit pipe including Supply and fixinh of Jumbo Ceiling rose and 6A/10A ISI mark1 way modular switch with required modular box and cover frame in existing Surface or Concealed pipe wiring incluing cost and conveyance of all materials and all labour charges etc., complete for light and and bell points in N.R.B.(Date No:)				Rmt.		
60	135	Rmt.	One hundred and thirty five square meters	Wiring with run of 3 of 22/0.3mm (1.5mm) FRLS/HFFR/ZHFR PVC insulated flexible ISI mark copprr cable in existing PVC Conduit pipe including Supply and fixinh of Jumbo Ceiling rose and 6A/10A ISI mark1 way modular switch with required modular box and cover frame in existing Surface or Concealed pipe wiring incluing cost and conveyance of all materials and all labour charges etc., complete for light and and bell points in N.R.B.(Date No:)				Rmt.		
61	35	Rmt.	Thirty five square meters	Supply and fixing of 6A/10A ISI Mark 3/2 pin modular socket with 6A/10A 1way modular switch, 3 modular box with cover frame on a Common switch board including cost and conveyance of all labour charges etc., complete in N.R.B. / R.B. (Date No:) Accessories Makes : Legrand Arteor / Schneider Zen celo / Crabtree Murano or Amare / L&T - Englaze/GM-Zenova?Goldmedal (Gifa) / Legrand Myrius / Cabtree Verona/ L&T / HPL/ Schneider Livia/GM-Zicono/C&S/Goldmedal(Curve /Air) / Million Mway/ Logus Platina.				Rmt.		
62	35	Each	Thirty five numbers	Supply and fixing of 6A/10A ISI Mark 3/2 pin modular socket 6A/10A 1way modular switch, 3 modular box with cover frame including cost and conveyance of all materials and labour charges etc., Complete for separate plug points in N.R.B / R.B. (Date No:) Accessories Makes : Legrand Arteor / Schneider Zen celo / Crabtree Murano or Amare / L&T - Englaze/GM-Zenova?Goldmedal (Gifa) / Legrand Myrius / Cabtree Verona/ L&T / HPL/ Schneider Livia/GM-Zicono/C&S/Goldmedal(Curve /Air) / Million Mway/ Logus Platina.				Each		
63	35	Each	Thirty five numbers	Supply and fixing of ISI mark 16A 3pin / 6A 3 pin 1 way Modular combi socket, 16 Amps Modular switch , 3 Modular box with Suitable cover frame and earth connections including cost and conveyance of all material and labour charges etc., complate in N.R.B / R. B. (Date No:) Accessories Makes : Legrand Arteor / Schneider Zen celo / Crabtree Murano or Amare / L&T - Englaze/GM-Zenova?Goldmedal (Gifa) / Legrand Myrius / Cabtree Verona/ L&T / HPL/ Schneider Livia/GM-Zicono/C&S/Goldmedal(Curve /Air) / Million Mway/ Logus Platina.				Each		
64	12	Each	Twelve numbers	Supply and fixing of 4 Nos 6A ISI mark Modular type switches with 6A 3/2 pin wall plug socket on suitable cover frame to be fixed on modular bax including cost and conveyance of all materials and all labour charges etc., complate for computers in N.R.B. / R.B. (Date No:)				Each		
65	23	Each	Twenty three numbers	Supply and Run of 1 of 22/0.3mm (1.5 sqmm) FRLS/ HFFR/ ZHFR PVC insulated flexible ISI mark Copper cable in Existing pipe for earth continuity including all labour charges etc., complete (Date No:				Each		
66	170	Mts.	One hundred and seventy meters	Supply and Run of 3 of 36/0.3mm (2.50Sqmm) FRLS/HFFR/ZHFR PVC insulated flexibles ISI mark copper cable in existing pipe for run of mains including all labour charges etc., complete . (Date No:) Copper cable Makes: Finolex/RR kable/ Havells/ KEI/ Polycab/ Gloster/ V-Guard/ Bonton / Finecab /HPL/ GM/ Million/ Goldmedal ? Fortune Art/ Sudhakar.				Mts.		
67	45	Mts.	Forty five meters	Supply and Run of 3 of 56/0.3mm (4.00Sqmm) FRLS/HFFR/ZHFR PVC insulated flexibles ISI mark copper cable in existing pipe for run of mains including all labour charges etc., complete . (Date No: 16-17-13.1.19) Copper cable Makes: Finolex/RR kable/ Havells/ KEI/ Polycab/ Gloster/ V-Guard/ Bonton / Finecab /HPL/ GM/ Million/ Goldmedal ? Fortune Art/ Sudhakar.				Mts.		
68	40	Mts.	Forty meters	Supply and Run of 3 of 84/0.3mm (6.00Sqmm) FRLS/HFFR/ZHFR PVC insulated flexibles ISI mark copper cable in existing pipe for run of mains including all labour charges etc., complete . (Date No:) Copper cable Makes: Finolex/RR kable/ Havells/ KEI/ Polycab/ Gloster/ V-Guard/ Bonton / Finecab /HPL/ GM/ Million/ Goldmedal ? Fortune Art/ Sudhakar.				Mts.		
69	35	Mts.	Forty meters	Supply and Run of 5 of 84/0.3mm (6.00Sqmm) FRLS/HFFR/ZHFR PVC insulated flexibles ISI mark copper cable in existing pipe for run of mains including all labour charges etc., complete . (Date No:) Copper cable Makes: Finolex/RR kable/ Havells/ KEI/ Polycab/				Mts,		

				Gloster/ V-Guard/ Bonton / Finecab /HPL/ GM/ Million/ Goldmedal ? Fortune Art/ Sudhakar.					
70	50	Mts.	Fifty meters	Supply and Run of 5 of 140/0.3mm (10.0Sqmm) FRLS/HFFR/ZHFR PVC insulated flexibles ISI mark copper cable in existing pipe for run of mains including all labour charges etc., complete . (Date No:)				Mts,	
71	2	Nos.	Two numbers	Supply and fixing of (8+12) 4 way TPN DB Horizontal with IP 43 Protection suitable for 12 Nos S.P out goings and for 1 No 4 Pole Incommer Etc Complete as per IS 8623, IS 13032: IEC 61439-3. With 1 No32 A FP MCB and 12 Nos 6-32A 10Ka SP MCS of including internal connections and labour charges for Flush Mounting etc, complete . (Date No: 19-20-17.1.4)DB Make: Legrand(Ekinox 3)/ Schneider-Acti9/hagar-Novello+/Seimens/Crabtree Xpro classique-II/ L&T - Newrange/Indo Asian-Opri Pro. Isolator & MCB Makes : Legrand-DX3/ Schneider-Acti9/hagar-h3 /Seimens 5SX4/Crabtree Xpro/ L&T - AU/Indo Asian-Opri Pro.				Each	
72	1	Nos.	One number	Supply and fixing of (8+12) 4 way TPN DB Horizontal with IP 43 Protection suitable for 12 Nos S.P out goings and for 1 No 4 Pole Incommer Etc Complete as per IS 8623, IS 13032: IEC 61439-3. With 1 No 63 A FP MCB and 12 Nos 6-32A 10Ka SP MCS of including internal connections and labour charges for Flush Mounting etc, complete . (Date No: 19-20-17.1.5) Isolator & MCB Makes : Legrand-DX3/ Schneider-Acti9/hagar-h3 /Seimens 5SX4/Crabtree Xpro/ L&T - AU/Indo Asian-Opri Pro				Each	
				DB Make: Legrand(Ekinox 3)/ Schneider-Acti9/hagar-Novello+/Seimens/Crabtree Xpro classique-II/ L&T - Newrange/Indo Asian-Opri Pro.					
73	1	Nos.	One number	Supply an fixing of 8 way VTPN DB with IP 43 Protection . Suitable for accomodating 125A 4Pole MCCB as incomer and TP/SP MCBs as outgoing etc., as per IS 8623: IS 13032: IEC 61439-3 with 125A 4 pole MCCB Adjustable and 8Nos 40-63A 10KA TP MCB, C/D Curve ISI mark including internal connections and labour charges for Flush Mounting etc., complete. (Date No:)				Each	
				DB Make: Legrand(Ekinox 3)/ Schneider-Acti9/hagar-Novello+/Seimens/Crabtree Xpro classique-II/ L&T - Newrange/Indo Asian-Opri Pro.					
				MCCB Makes: L&T-D Shine / Schneider-NS NSXL/Legrand-DP X3/ Siemens-3VL / Hagar-h3 / C&S- Winbreak2					
				MCB Makes: Legrand -DX3 / Schneider-Acti9/ Hagar-h3/ Siemens -5SX4/Crabtree-Xpro/L7T-AU					
74	2	Nos.	Two numbers	Providing independent earthing by excavating a pit to a depth of 2.25 mtr in all soils as per size specified in the data for iportant equipment with 2.5 mtr length 40mm dia 'B' class G.I pipe and 18" dia 3" thick hume pipe ring with R.C.C Slab cover duly providing staggered holes filling with 20Kg Salt and 40Kg Charcoal or 40 Kg bentonite powder from the bottem of the pipe giving earth connection from electrode through G.I Strip of 25x6mmx200mm length to be bolted with nut bolts including supply and termination of No. 8 G.I. wire from bottom of the pipe with all accessories and labour charges complete, as per IS specification 732/1982 (Part II) (Date No: 19-20-25.1.2)				Each	
75	18	RMT	Eighteen meters	Supply and run of 25mm x 6mm G.I Strip including cost of all accessories and labour charges etc. complete (1.18 Kgs/1 Mtr) (Date No: 19-20-27.1.5)				Rmt.	
76	35	RMT	Tirty five meters	Supply and run of No . 8 SWG G.I Wire including cost of all accessories and labour charges etc. complete (0.104 Kgs/1 Mtr) (Date No: 18-19-27.1.1)				Rmt.	
77	18	RMT	Eighteen meters	Supply and fixing of ISI mark batten holder / slanting holder in lieu of ceiling rose of light point complete with all connections and all labour with 40W-60W Lamp (for new installation).				Rmt.	
				Accessories Makes: GM G Home / Gold Medal Olive / Million Zoom / Great white Omega/ konsep/ Vimal opel/Anchor/ VihanCPL					
				Lamp Makes: Philips/ Crompton / Bajaj/ Surya/ Havells/ Style Lamp/ Capart					
78	48	Nos.	Forty eight numbers	Supply and fixing of 18W/20W, 1200mm length LED batten light with extruded aluminium housing and polycarbonate cover, input voltage AC 220-260 Volts with PF>0.9, Surge protection: 2KV, THD,15%, with inbuilt driver and frosted cover CCT: 3000K - 5700K, minimum CRI.70 etc., Complete. a) LUMINAIRE Make: Philips/GE-Venture/ Crompton/Wipro / Bajaj/ Havells / Halonix/ Jaquar/ HPL/GM/ GreenLites / Gold Medal / Eveready b) LED Make: PHILIPS LUMILEDS / CREE / NICHIA/ OSRAM/ SAMSUNG / EVERLIGHT				Each	
79	5	Nos.	Five numbers	Supply, Transportation and fixing of 12"(300mm) Light duty exhaust fan with metallic blades and wire guard etc complete including making hole in wall and mansorary work and all labour charges etc., complete Makes: Crompton/ Bajaj Bahar WG / Havells Ventil - Air- DB ?					

