ADVANCE:	.PAVAGE	T ECID			Quantity PAYMENT ON THE BASIS OF ACTUAL					
Lotal as per previous bill	Since previous bill	Total up to date	Item No. as per accepted agrment and /or Estimate	Description of items of work executed	excuted up to date as per measurement	Unit	Rate	Up to date	Since previous bill	Remarks
				44-2	book	6	7	8	9 .	10
1	2	3	4	4 (a) ABSTRACT (4th & FINAL BI	5.00 LL)	0	,	0	,	1
			1	Supply of 3-1/2 core armoured PVC/XLPE insulated, PVC sheathed aluminium conductor cable of 1.1 KV grade with ISI mark conforming to IS:1554(Part I), IS:7098(Part I) with latest amendments of following size. Make:						
			1.01	3 1/2 Core 25 sq.mm	270.00	Metre	235.00	63,450.00		
			2	3 I/2 Core 120 sq.mm Supply of 4 core armoured PVC/XLPE insulated, PVC sheathed aluminium conductor cable of 1.1 KV grade with ISI mark conforming to IS:1554(Part I), IS:7098(Part I) with latest amendments of following size Make:	900.00	Metre	806.00	7,25,400.00		
			2.01	4 Core 16 sq.mm	2320.00	Metre	204.00	4,73,280.00		
			3	Laying of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of size not exceeding 25 sq.mm direct in ground including excavation in the form of a trench as per Cable Trench Drawing provided by the Engineer-Incharge.sand cushioning with screened sand bed of 20mm thick, protective covering with bricks placed breadth-wise on top of cable all over the run (the brick protection shall cover the cable and project atleast 5 cms over the sides of the cable) and backfilling the excavated earth without stones or hard material and making the surface proper with 15 cm crown on the top complete as required.					6.	
			3.01	(b) In rocky strata	1604.00	Metre	396.00	6,35,184.00	19.	
			А	Laying of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of size exceeding 25 sq.mm but not exceeding 120 sq.mm direct in ground including excavation in the form of a trench as per Cable Trench Drawing provided by the Engineer-Incharge,sand cushioning with — lend sand bed of 20mm thick, protective covering with bricks placed breadth-wise on top of cable all over 18°, un(the brick protection shall cover the cable) and backfilling the excavated earth without stones or hard material and ma' —) the surface proper with 15 cm crown on the top Graphete as required.		· (°.')		ę	
			4.01	(b) In rocky strata	506.00	Metre	396.00	2,00,376.00	-	
			5	Supplying and making cable end terminations with brass compression gland and copper lugs for folowing sizes of 3 1/2 Core PVC insulated PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade, complete as required.				-	<u> </u>	
			5.01	(1) 3 1/2 x 25 Sq. mm.	10.00	Each	300.00 650.00	3,000.00 6,500.00	-	
			5.02	(6) 3 1/2 x 120 Sq. mm. Supplying and making cable end terminations with brass compression gland and copper lugs for following sizes of a Core PVC insulated PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade, complete as required.	ł l	Each	630.00	0,300.00		
		+	6.01	(5) 4 x 16 Sq. mm.	157.00	Each	250.00	39,250.00	5,500.00	
			7	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with existing surface/recessed conduit/submain wiring/ cable as required.	5140.00	Each	36.00	1,85,040.00	-	
			8	Supplying and erecting Annealed bare copper wire of higl purity of different sizes used for earthing on wall with necessary copper clamps fixed on wall/cable/conduit with screws in an approved manner along 4cx2.5sqmm Cu cable	1.00	Each	1000.00	1,000.00	-	
			9	Providing & erecting 8 m high (clear height) galvanises octagonal pole with foundation bolts having bottom of 13 mm A/F, top 70 mm A/F on provided foundation as pespecification no. OH-PL/OPL	5	Each	16000.00	10,56,000.00	-	
			10	Providing and erecting galvanised 1000mm single and sword type bracket with FRP dome and ball as pe specification no. OH-PL/PBKT	r 66.00	Each	2000.00	1,32,000.00	-	
			11	Supplying and erecting LED street light fitting suitable for 100W lamp, including lamp, with PF > 0.95 class I; 65 and above housing of pressure die cast aluminium allo and heat sink extruded aluminium complete ps specification No. FG-ODF/FLS2. Make: Wipro	81.00	Each	5000.00	4,05,000.00	*.	
			12	Making cement concrete foundation including excavatio (60 x 60 x 150) cm deep in 1:3:6 cement concrete 20 x 2 mm stone metal, (45 x 45 x 45) cm /45 cm dia. x 45 cm height plinth duly plastered, with necessary curing an finishing complete. (above 6 m to 9 m poles)	5 n 66.00	Each	1950.00	1,28,700.00	- 4	
			13	Supplying and erecting UPVC reinforced flexible condu- 38/40 mm in dia. conforming to L.S. with required number of couplings, PVC bushes, check nuts etc. Complete Conduit in pole foundation for cables as above	171.60	Meter	140.00	24,024.00	-	

14	Supplying and drawing following sizes of FRLS PVC insulated copper conductor single core cable in the existing surface/ recessed steel PVC conduit or casing caping, including dismantling, removing old wires as required.					4"	
14.01	'(12) 3 x 2.5 sq.mm	780.00	Mater	150.00	1.17.000.00		
15	Supplying and fixing B series SP MCB, 240 V, suitable for lighting and other loads of following poles in the existing MCB DB complete with connections testing and commissioning etc as required*		Meter	150.00	1,17,000.00	-	
15.01	'(c) 5 A to 32 A, Cat B	81.00	Each	300.00	24,300.00	4,500.00	
16	Supplying & laying (including excavation) 25 cm dia RCC Hume pipe of standard thickness at required depth up to 90 cms. below road / ground surface, for covering provided cable & necessary back filling with light ramming to make the road/ground surface as it was (Except bitumen carpet).	68.00	Meter	700.00	47,600.00	-	
17	Supply and fixing of cable route marker 15 cms diameter of GI plate 6mm thick with inscription thereon bolted or welded to 25mm x 25mmx 5mm angle iron 60 cms long and fixing the same in ground with PCC etc. complete as required.		Each	500.00	23,500.00	23,500.00	
18	Supplying and Installing following size perforated type 16 SWG, M.S.cable tray of GI pregalvanised/hot dip galvanised/ powder coated finish, in convenient sections, joined with connectors, suspended from the ceiling with suitable MS suspenders including bolts and nuts, painting suspenders etc., complete as required. 100mm width x 50mm depth		Meter	546.00	6,006.00		
21	Earthing with GI earth pipe 2 mts long 40 mm dia medium class with ISI mark, of approved brands, including accessories and providing masonry enclosure with CI/RCC cover having locking /lifting arrangement and watering pipe etc. with charcoal or coke and salt) as required as per the Earthing Drawing provided by the Engineer-Incharge. The scope of work includes the following: a) Excavation of pit of size 1.0x1.0x 2.0 mtrs(min) and disposal of excavated soil. b) Class B GI pipe, 40mm diameter as per specifications. c) Charcoal/salt as per specs (paid separately). d) "effilling the pit of size 1.0x1.0x 2.0 mtrs(min) with: black soil of minimum resistivity i/c transport. Refi. e)Masonary chamber with proper foundation, cover plate and locking arrangement. f) Testing of earth value with earth megger and certifications of its value. Aluminium tag with embossed earthing value to be attached to pipe. g)watering arrangement(plumbing with epand separately).	18.00	Set (4)	mg00.00	1,44,000.00		
22	Extra for using salt and charcoal for pipe earth electrode as required(65 Kgs of Charcoal and 5 Kgs of Salt).	18.00	Set	1500.00	27,000.00	-	
	Earthing with GI earth plate 600 mm x 600 mm x 6 mm thick including accessories and providing masonry enclosure with CI/RCC cover having locking/lifting arrangement and watering pipe etc. (but without charcoal or coke and salt) as required as per the Earthing Drawing provided by the Engineer-Incharge. The scope of work includes the following: a) Excavation of pit of size 1.0x1.0x 3.0 Metres(min) and disposal of excavated soil.					a.	
24	c)Watering GI pipe, 20 mm Class B, with funnel as per spees. d) Charcoal/salt as per spees (paid separately), e) Refilling the pit of size 1.0x1.0x 3.0 Metres(min) with soft black agriculture soil of minimum resistivity i/c transportation. e)Masonary chamber with proper foundation, cover plate and locking arrangement. f) Testing of earth value with earth megger and certifications of its value. g)watering arrangement(plumbing will be paid separately).	2.00	Set	12000.00	24,000.00	- 4.	
25	(b) In rocky strata Extra for using salt and charcoal for GI or Copper plate earth electrode as required (96kgs of charcoal and 5kgs of salt)	2.00	Set	2400.00	4,800.00	-	
26	Satt) Providing and fixing 25 mm x 6 mm GI strip at 0.5m at below ground on surface or in recess including soldering etc. as required	87.00	Metre	200.00	17,400.00	*. -	

			Design, Supply, Erection, Testing and Commissioning of						
			danger plates of approved design on front and rear, two earthing terminals for 50x6mm Gl strip, fabricated with					3	
			processing passivating and then appeared the training						
			learnest tesistant primer The Guist.						
		27	by application of two coats of synthetic enamel paint or powder coating RED. Suitable for 2x31/2cx300sqmm						
			incomer capies complete with - to -						
			1/20/2000 Channel and a suitable Class .				-	-	
			stand for mounting the pillar at suitable beints						
			17 min is installed minimum 400mm above Colot 1						
			floor, complete with necessary excavation, cement concrete , making good etc. and comprising of following complete						
			With interconnections including disconnection						
			panel, removal of existing foundation etc.						
			Incomer					4	
			1 no 100A FOUR POLE MCCB 25KA suitable				-	-	
			12X31/2cx120 sqimm AYFY cable						
			RYB Indicating lamps set					-	
			1 set of 200A , 4P 25KA bus bars				-	-	
			Outgoings 5 no 63 A TPN mely control in the 6 control				-	-	-
			5 no 63A TPN mcb, each suitable for 31/2cx25 sqmm AYFY cable					-	+
			1 set 5A SP MCB with Socket and CFL lamp				-	-	
			Iset 15A SP MCB with 15A 3pin socket				-	-	
			1set of space heater with thermostat				-	-	
			Feeder Pillar panel for C and D quarters as above	1.00	Each	67500.00	-	-	
			Design, Supply, Erection, Testing and Commissioning of		Each	67500.00	67,500.00	-	-
			outdoor double door, fully compartmentalized, type Feeder				/		
			pillar panel, single front ,with proper ventilation design, each MCCB/SDF with rotary handle, floor mounted, with						
			danger plates of approved design on front and rear, two						
			earthing terminals for 50x6mm GI strip, fabricated with						
			2mm CRCA sheets. All sheet steel work shall undergo a					र्	
			process of degreasing, pickling in acid, cold-rinsing, phosphating, passivating and then sprayed with a high						
			corrosive resistant primer. The finishing treatment shall be						
			by application of two coats of synthetic enamel paint or						
		28	powder coating RED, suitable fc 331/2cx95sqmm AYFY						1
		- 28	incomer cables, complete with a le frame GI)	-		
		28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle)	-	-	
		- 28	incomer cables, complete with a le frame GI)	-		
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor ,complete with necessary excavation, cement concrete)	-	-	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete, making good etc. and compris of following complete				-	-	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete, making good etc. and compris of following complete with interconnections including exponential existing)	-	•	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete, making good etc. and compris of following complete)	-	•	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete, making good etc. and compris of following complete with interconnections including exponential existing				-	• •	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete, making good etc. and compris of following complete with interconnections including exponential existing)	-	• •	
		- 28	incomer cables, complete with ale frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and compris) if following complete with interconnections including bnnecting existing panel, removal of existing foundation etc.)	-	• 4.	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor complete with necessary excavation, cement concrete , making good etc. and compris light following complete with interconnections including connecting existing panel, removal of existing foundation etc.				-	•	
		- 28	incomer cables, complete with ale frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and compris) if following complete with interconnections including bnnecting existing panel, removal of existing foundation etc.)	-	• • •	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and compris light following complete with interconnections including comple)		• • • •	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and compris light following complete with interconnections including light complete with interconnections including light complete panel, removal of existing foundation etc. Incomer 63A FP 25KA MCCB suitable for 31/2cx95 sqmm AYFY cable RYB Indicating lamps set 1 set of 200A, 4P 25KA bus bars)	-	· ·	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor complete with necessary excavation, cement concrete , making good etc. and compris light following complete with interconnections including connecting existing panel, removal of existing foundation etc. Incomer 63A FP 25KA MCCB suitable for 31/2cx95 sqmm AYFY cable RYB Indicating lamps set I set of 200A, 4P 25KA bus bars Outgoings)	-		
		- 28	incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete making good etc. and compris with interconnections including complete connections including connections connections including connections connectio)	-	· ·	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and compris of following complete with interconnections including complete)		-	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and compris soft following complete with interconnections including complete with interconnection incl					-	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and compris of following complete with interconnections including complete					•	
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and comprise of following complete with interconnections including endough complete with interconnection including	1.00	Each	54000.00			
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and compris of following complete with interconnections including	1.00	Each	54000.00	:		
		- 28	incomer cables, complete with a leframe GI 75x75x6mm channel and a stuitable GI 75x6mm angle stand for mounting the pillar at suitable fleight such that the pillar is installed minimum 400mm above finished ground floor ,complete with necessary excavation, cement concrete , making good etc. and compris	1.00	Each	-	:		
		- 28	incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete making good etc. and compris with interconnections including by following complete with interconnections including by connecting existing panel, removal of existing foundation etc. Incomer 63A FP 25KA MCCB suitable for 31/2cx95 sqmm AYFY cable RYB Indicating lamps set I set of 200A, 4P 25KA bus bars Outgoings 4 no 32A TPN mcb each suitable for 31/2cx25sqmm AYFY cable I set 5A SP MCB with Socket and CFL lamp Iset 15A SP MCB with 15A 3pin socket Iset of space heater with thermostat Feeder Pillar panel for hostel quarters as above Design, supply, installation testing and commissioning of 200A FP MCCB 35KA with thermal magnetic releases, rotary handle complete with CRCA sheet steel enclosure	1.00	Each	-	:		
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and compris of following complete with interconnections including complete lack and comprise consisting panel, removal of existing foundation etc. Incomer 63A FP 25KA MCCB suitable for 31/2cx95 sqmm AYFY cable 1 set of 200A, 4P 25KA bus bars Outgoings 4 no 32A TPN mcb each suitable for 31/2cx25 sqmm AYFY cable 1 set 5A SP MCB with Socket and CFL lamp 1set 15A SP MCB with Socket and CFL lamp 1set 15A SP MCB with 15A 3pin socket 1set of space heater with thermostat Feeder Pillar panel for hostel quarters as above Design , supply ,installation testing and commissioning of 200A FP MCCB 35KA with thermal magnetic releases, rotary handle complete with CRCA sheet steel enclosure with necessary angle frame, wall mounting type in the	1.00	Each	/	:		
		- 28	incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete making good etc. and compris yif following complete with interconnections including complete with for 31/2cx95 sqmm AYFY cable 1 set 07 200A, 4P 25KA bus bars Outgoings 4 no 32A TPN mcb each suitable for 31/2cx25 sqmm AYFY cable 1 set 5A SP MCB with Socket and CFL lamp 1 set 15A SP MCB with Socket and CFL lamp 1 set 15A SP MCB with I5A 3pin socket 1 set of space heater with thermostat Feeder Pillar panel for hostel quarters as above Design , supply, installation testing and commissioning of 200A FP MCCB 35KA with thermal magnetic releases, rotary handle complete with CRCA sheet steel enclosure with necessary angle frame, wall mounting type in the ground floor of 1 HRD building with, ammeter and voltmeter with selectable switch with necessary CTs	1.00	Each	/	:		
		- 28	incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete , making good etc. and compris with interconnections including	1.00	Each	/	:		
		- 28	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor ,complete with necessary excavation, cement concrete , making good etc. and compris of following complete with interconnections including	1.00	Each	/	:		
			incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete making good etc. and compris with interconnections including by following complete with interconnections including by complete with interconnections including complete RYB Indicating lamps set I set of 200A, 4P 25KA bus bars Outgoings 4 no 32A TPN mcb each suitable for 31/2cx25sqmm AYFY cable I set 5A SP MCB with Socket and CFL lamp Iset 15A SP MCB with Socket and CFL lamp Iset 15A SP MCB with 15A 3pin socket Iset of space heater with thermostat Feeder Pillar panel for hostel quarters as above Design , supply, installation testing and commissioning of 200A FP MCCB 35KA with thermal magnetic releases, rotary handle complete with CRCA sheet steel enclosure with necessary angle frame, wall mounting type in the ground floor of IRRD building with, ammeter and voltmeter with selectable switch with necessary CTs suitable for 2x31/2cx50sqmm AYFY cables and earthing terminals suitable for 2x53mm GI strip Steel sheets used in the	1.00	Each	/	:		
		29	incomer cables, complete with a le frame GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor ,complete with necessary excavation, cement concrete , making good etc. and compris of following complete with interconnections including	1.00	Each	/	:		
			incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor ,complete with necessary excavation, cement concrete ,making good etc. and compris	1.00	Each	/	:		
			incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete making good etc. and compris with interconnections including by following complete with interconnections including by connecting existing panel, removal of existing foundation etc. Incomer 63A FP 25KA MCCB suitable for 31/2cx95 sqmm AYFY cable RYB Indicating lamps set I set of 200A, 4P 25KA bus bars Outgoings 4 no 32A TPN mcb each suitable for 31/2cx25sqmm AYFY cable I set 5A SP MCB with Socket and CFL lamp Iset 15A SP MCB with 15A 3pin socket Iset of space heater with thermostat Feeder Pillar panel for hostel quarters as above Design , supply, installation testing and commissioning of 200A FP MCCB 35KA with thermal magnetic releases, rotary handle complete with CRCA sheet steel enclosure with necessary angle frame, wall mounting type in the ground floor of HRD building with, ammeter and voltmeter with selectable switch with necessary CTs suitable for 2x31/2cx12osqmm AYFY incoming, 400A busbar chamber and 4 nos of outgoing cables of 2x31/2cx50sqmm AYFY cables and earthing terminals suitable for 25x3mm GI strip Steel sheets used in the construction shall be 2 mm thick. All sheet steel work shall undergo a process of degreasing, pickling in acid, cold- rinsing, hospihating, passivating and then sprayed with a	1.00	Each	/	:		
			incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor ,complete with necessary excavation, cement concrete ,making good etc. and compris	1.00	Each	/	:		
			incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete making good etc. and compris with interconnections including by following complete with interconnections including by following existing panel, removal of existing foundation etc. Incomer 63A FP 25KA MCCB suitable for 31/2ex95 sqmm AYFY cable RYB Indicating lamps set I set of 200A, 4P 25KA bus bars Outgoings 4 no 32A TPN mcb each suitable for 31/2ex25sqmm AYFY cable I set 5A SP MCB with Socket and CFL lamp Iset 15A SP MCB with Socket and CFL lamp Iset 15A SP MCB with I5A 3pin socket Iset of space heater with thermostat Feeder Pillar panel for hostel quarters as above Design , supply, installation testing and commissioning of 200A FP MCCB 35KA with thermal magnetic releases, rotary handle complete with CRCA sheet steel enclosure with necessary angle frame, wall mounting type in the ground floor of HRD building with, ammeter and voltmeter with selectable switch with necessary CTs suitable for 2x31/2cx120sqmm AYFY incoming, 400A busbar chamber and 4 nos of outgoing cables of 2x31/2cx50sqmm AYFY cables and earthing terminals suitable for 2x53mm GI strip Steel sheets used in the construction shall be 2 mm thick. All sheet steel work shall undergo a process of degreasing, pickling in acid, cold- rinsing, phosphating, passivating and then sprayed with a high corrosive resistant primer. The finishing treatment shall be by application of two coats of synthetic enamel with or nowler coating RA1,7032. Complete with	1.00	Each	/	:		
			incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable fleight such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete making good etc. and compris with interconnections including by following complete with interconnections including by following existing panel, removal of existing foundation etc. Incomer 63A FP 25KA MCCB suitable for 31/2ex95 sqmm AYFY cable RYB Indicating lamps set I set of 200A, 4P 25KA bus bars Outgoings 4 no 32A TPN mcb each suitable for 31/2ex25sqmm AYFY cable I set 5A SP MCB with Socket and CFL lamp Iset 15A SP MCB with 15A 3pin socket Iset of space heater with thermostat Feeder Pillar panel for hostel quarters as above Design , supply, installation testing and commissioning of 200A FP MCCB 35KA with thermal magnetic releases, rotary handle complete with CRCA sheet steel enclosure with necessary angle frame, wall mounting type in the ground floor of HRD building with, ammeter and voltmeter with selectable switch with necessary CTs suitable for 2x31/2cx120sqmm AYFY incoming, 400A busbar chamber and 4 nos of outgoing cables of 2x31/2cx50sqmm AYFY cables and earthing terminals suitable for 25x3mm GI strip Steel sheets used in the construction shall be 2 mm thick. All sheet steel work shall undergo a process of degreasing, pickling in acid, cold- rinsing, phosphating, passivating and then sprayed with a high corrosive resistant primer. The finishing treatment shall be by application of two coats of synthetic enamel paint or powder coatting RAL7032. Complete with disconnecting the existing connections and with minimum	1.00	Each	/	:		
			incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable height such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete making good etc. and compris with interconnections including by following complete with interconnections including by following existing panel, removal of existing foundation etc. Incomer 63A FP 25KA MCCB suitable for 31/2ex95 sqmm AYFY cable RYB Indicating lamps set I set of 200A, 4P 25KA bus bars Outgoings 4 no 32A TPN mcb each suitable for 31/2ex25sqmm AYFY cable I set 5A SP MCB with Socket and CFL lamp Iset 15A SP MCB with Socket and CFL lamp Iset 15A SP MCB with I5A 3pin socket Iset of space heater with thermostat Feeder Pillar panel for hostel quarters as above Design , supply, installation testing and commissioning of 200A FP MCCB 35KA with thermal magnetic releases, rotary handle complete with CRCA sheet steel enclosure with necessary angle frame, wall mounting type in the ground floor of HRD building with, ammeter and voltmeter with selectable switch with necessary CTs suitable for 2x31/2cx120sqmm AYFY incoming, 400A busbar chamber and 4 nos of outgoing cables of 2x31/2cx50sqmm AYFY cables and earthing terminals suitable for 2x53mm GI strip Steel sheets used in the construction shall be 2 mm thick. All sheet steel work shall undergo a process of degreasing, pickling in acid, cold- rinsing, phosphating, passivating and then sprayed with a high corrosive resistant primer. The finishing treatment shall be by application of two coats of synthetic enamel with or nowler coating RA1,7032. Complete with	1.00	Each	/	:		
			incomer cables, complete with a leframe GI 75x75x6mm channel and a suitable GI 75x6mm angle stand for mounting the pillar at suitable fleight such that the pillar is installed minimum 400mm above finished ground floor, complete with necessary excavation, cement concrete making good etc. and compris with interconnections including by following complete with interconnections including by following existing panel, removal of existing foundation etc. Incomer 63A FP 25KA MCCB suitable for 31/2ex95 sqmm AYFY cable RYB Indicating lamps set I set of 200A, 4P 25KA bus bars Outgoings 4 no 32A TPN mcb each suitable for 31/2ex25sqmm AYFY cable I set 5A SP MCB with Socket and CFL lamp Iset 15A SP MCB with 15A 3pin socket Iset of space heater with thermostat Feeder Pillar panel for hostel quarters as above Design , supply, installation testing and commissioning of 200A FP MCCB 35KA with thermal magnetic releases, rotary handle complete with CRCA sheet steel enclosure with necessary angle frame, wall mounting type in the ground floor of HRD building with, ammeter and voltmeter with selectable switch with necessary CTs suitable for 2x31/2cx120sqmm AYFY incoming, 400A busbar chamber and 4 nos of outgoing cables of 2x31/2cx50sqmm AYFY cables and earthing terminals suitable for 25x3mm GI strip Steel sheets used in the construction shall be 2 mm thick. All sheet steel work shall undergo a process of degreasing, pickling in acid, cold- rinsing, phosphating, passivating and then sprayed with a high corrosive resistant primer. The finishing treatment shall be by application of two coats of synthetic enamel paint or powder coatting RAL7032. Complete with disconnecting the existing connections and with minimum	1.00	Each	/	:		

		30	Design , supply ,installation testing and commissioning of 100A EP MCCB 38KA with thermal magnetic releases, rotary handle complete with CRCA sheet steel enclosure with necessary angle frame, wall mounting type, in the ground floor of ADMIN building with, RCPI lampset, suitable for 31/2ex50squun AVFY incoming, 200A busbar chamber and 4 mos of outgoing cables of 31/2ex35squun AVFV cables and carthing terminals suitable for 25x3mm GI strip Steel sheets used in the construction shall be 2 mm thick. All sheet steel work shall undergo a process of degreasing, pickling in acid, cold-trinsing, phosphating, passivating and then sprayed with a high corrosive resistant primer. The finishing treatment shall be by application of two coats of synthetic enamel paint or powder coating RAL7032. Complete with disconnecting the existing connections and with minimum planned panel shutdwon.				,		
			Internal Subincomer mains for ADMIN building as above	2.00	Ench	40000.00	80,000.08		
-		31	Supplying, creeting & terminating XLPE armoured cable 3½ core 50 sq. mm. copper conductor with continuous 5.48 sq. mm. (12 SWG) G.I. carth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	60.00	Meter	2500.00	1,50,000,00		
		32	Supplying, erecting & terminating XLPE armoured cable 4 core 10 sq. mm. copper conductor continuous 5.48 sq. mm. (12 SWG) G.I. earth wires complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	180.00	Meter	700.00	1,26,000.00		
ζ.		33	Supplying & creeting water tight terminal box of cast iron of size 300 x 200 x 150 mm complete on pole as per specification no. CB-SB	15.00	Each	710.00	10,650.00	10,650.00	
, , ,		E.1.1	Supply of 3-1/2 core armoured PVC/XLPE insulated,PVC sheathed aluminium conductor cable of 1.1 KVgrade with 181 mark conforming to 18:1554(Part 1),18:7098(Part 1) with latest amendments of followingsize.						
			3 1/2 Core 50 sq.mm	90.00	Meter	382.00	34,380.00		
, a		E.I.2	Earthing with copper cart — the 600 mm x 600 mm x 3 mm thick—including accessories and providing masonry enclosure—with CIRCC—cover—having looking/lifting arrangement and watering pipe etc. (but without charcoal or coke and salt) as required as per the Earthing Drawing provided by the Engineer-to-charge. The scope of work includes the following:—	2.00	Set	16006.00	32,012.00		
			(b) In rocky strata				-		
		E.I.3	Supplying and laying 25 mm x 5 mm copper strip in 40 mm dia GI pipe from earth electrode as required	8.00	Meter	588.00	4,704.00		
		E.I.4	Supplying and laying 8 SWG copper wire at 0.5 m below ground level for conductor earth electrode including	130.00	Motor	136.00	17,680.00		
14,		E.I.5	soldering etc. as required Supplying and fixing of following sizes of rigid PVC conduit alongwith accessories in surface(medium)/recess(heavy) including cutting the wall and making good the same in case of recessed conduit as required.	60,00	Meter	116.00	0,960,00		
		E.1.6	Laying of one number additional PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of size not exceeding 25 sq.mm direct in ground in the same trench in one tier horizontal formation including excavation in the form of a trench as per Cable Trench Drawing provided by the Engineer-Incharge, and cushioning with screened sand bed of 20mm thick, protective covering with bricks placed breadth-wise on top of cable all over the runt the brick protection shall cover the cable and project atleast 5 cms over the sides of the cable) and backfilling the excavated earth without stones or hard material and making the surface proper with 15 cm crown on the top complete as required. (b) In rocky strata		Meter	201.00	1,18,755.00		
-	-	•					· ·		

										3	
			€.1.7	Laying of one number additions sheathed/XLPE power cable exceeding 25 sq. mm but not a ground in the same trench of including excavation in the fattrench Drawing provided by cushioning with screened supprotective covering with brick of cable all over the runt the the cable and project atleast cable) and backfilling the exert hard material and making the crown on the top complete as a sq. (b) In rocky strata	of 1.1 KV grade of size xceeding 120 sq.nm direct in one tier horizontal formaion orm of a trench as per Cable the Engineer-Incharge, sand and bed of 20mm thick, s placed breadth-wise on top brick protection shall cover 5 cms over the sides of the wated earth without stones or surface proper with 15 cm		Metre	259.00	1,08,262.00		
			E.I.8	Laying of one number I sheathed/XLPE power cable of exceeding 25 sq.mm	of 1.1 KV grade of size not in the existing	385.60	Meter	39.00	15,038.40	-	
			E.I.9	Laying of one number PVCsheathed/XLPE power canotexceeding 25 sq.mm of asrequired	ble of 1.1 KV grade of size	420.00	Meter	68.00	28,560.00	-	
			E.I.10	Laying of one number f sheathed/XLPE power cable exceeding 25 sq.mm but not e existing masonry open duct, et	of 1.1 KV grade of size exceeding 120 sq.mm in the	64.00	Meter	105.00	6,720.00	š. -	
		-					TOT	AL AMOUNT	54,30,031.40		
		-			1/20			3rd RA bill	53,85,881.40	-	
		-			(0,10)			Total	44,150.00	44,150.00,	
				CANON.	38/ 380		Ac	dd GST 18%	7,947.00	7,947.00	
					ENGINEER			able Amount	52,097.00	52,097.00	
				101410	JULIVERSITY		1.8	Abic Amount			
	(D)	(B)			ork done to date (A)			1			
	Certifi	& that th	CO ork has been pe contractor ha	MPLETION CERTIFICATE shysically completed on 13/09/20 ss removed from the premises on the substantial completed with the work was the substantial control of	ork since previous bill (F) ords Rupees 23 & that no defects are which the work was being	· ·	GOA UNIV	ENGINEER /ERSITY			
When there ar	re two or n	ich are b	ased on the en	signature asis of acqual-theast electric for relating each sub-head of estimates	CERTIFICATE AND SITE of the amount previously the they should in the case of w	GNATURES e on September 2 y paid without de	2023 and are reconstalled measurem	orded at page 064 of Rank: JUNIOR EN ent should be adjust) ept by sub-heads be	measurement Book No. 30 GINEER ed by a minus entry in colutotalled and the total record	onn 2 equivalent ded in column 10	to the amount
work Abstract	t.			RAME.	.68 8 сомьеил						

WEATER