

## SCHEDULE-A

Name of Work :Annual Rate Contract of the E.I for Ahmedabad Electrical Division No.1, Ahmedabad.(For One Year)						
Sr. No.	Item No.	Item	Qty.	Unit	Amount	Place
1	1	NIL	NIL	NIL	NIL	NIL
t	t					
o	o					
1	1					
1	1					
0	0					

Contractor's signature

Deputy Executive Engineer  
Ahmedabad Electrical Sub-Division  
R&B Deptt., Ahmedabad.

SCHEDULE - B							
Name of Work :Annual Rate Contract of the E.I for Ahmedabad Electrical Division No.1, Ahmedabad.(For One Year)							
ITEM NO.	QTY	UNIT	ITEM NAME	PER	RATE IN FIGURE	RATE IN WORDS	AMOUNT
1			Replacing old and u/s by Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 kV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.				
	1	Ea.	(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete Cat.III	Ea.	539.34	Rupees Five Hundred Thirty Nine And Paise Thirty Four Only	539.34
	1	Ea.	(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat.III	Ea.	582.77	Rupees Five Hundred Eighty Two And Paise Seventy Seven Only	582.77
	1	Ea.	(j) in existing pipe erected concealed in wall/ceiling complete Cat.III	Ea.	491.87	Rupees Four Hundred Ninety One And Paise Eighty Seven Only	491.87
2			Replacing old and u/s by Point wiring for FAN with 2.1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 kV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed.				

	1	Ea.	(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete Cat.III	Ea.	765.58	Rupees Seven Hundred Sixty Five And Paise Fifty Eight Only	<b>765.58</b>
	1	Ea.	(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat.III	Ea.	809.01	Rupees Eight Hundred Nine And Paise One Only	<b>809.01</b>
	1	Ea.	(j) in existing pipe erected concealed in wall/ceiling complete Cat.III	Ea.	667.61	Rupees Six Hundred Sixty Seven And Paise Sixty One Only	<b>667.61</b>
3			Replacing old and u/s by Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 kV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden 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 and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board				
	1	Ea.	(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete Cat.III	Ea.	570.65	Rupees Five Hundred Seventy And Paise Sixty Five Only	<b>570.65</b>
	1	Ea.	(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat.III	Ea.	612.06	Rupees Six Hundred Twelve And Paise Six Only	<b>612.06</b>
			[II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board.				
	1	Ea.	(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete Cat.III	Ea.	853.45	Rupees Eight Hundred Fifty Three And Paise Forty Five Only	<b>853.45</b>

	1	Ea.	(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat.III	Ea.	894.86	Rupees Eight Hundred Ninety Four And Paise Eighty Six Only	<b>894.86</b>
			[III] For 16A Plug and 16 amp switch with 2-4 sq.mm Cu. Wire with 2.5 sq.mm ( green) earthing wire from mcb d b board.				
	1	Ea.	(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete Cat.III	Ea.	1004.95	Rupees One Thousand Four And Paise Ninety Five Only	<b>1,004.95</b>
	1	Ea.	(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat.III	Ea.	1046.36	Rupees One Thousand Forty Six And Paise Thirty Six Only	<b>1,046.36</b>
4	1	Ea.	Replacing old and u/s by Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessories Cat.III	Ea.	309.06	Rupees Three Hundred Nine And Paise Six Only	<b>309.06</b>
5			Replacing old and u/s by Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of .ISI marked 1.1 kV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed.				
	1	Ea.	(a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete Cat.III	Ea.	681.75	Rupees Six Hundred Eighty One And Paise Seventy Five Only	<b>681.75</b>
	1	Ea.	(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete Cat.III	Ea.	725.18	Rupees Seven Hundred Twenty Five And Paise Eighteen Only	<b>725.18</b>

	1	Ea.	(j) in existing pipe erected concealed in wall/ceiling complete Cat.III	Ea.	617.11	Rupees Six Hundred Seventeen And Paise Eleven Only	617.11
6			Replacing old and u/s by Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.				
	1	Ea.	(1)One No. SP 6 Amp. Cat.III	Ea.	151.50	Rupees One Hundred Fifty One And Paise Fifty Only	151.50
	1	Ea.	(2) One No 5 pin plug Cat.III	Ea.	151.50	Rupees One Hundred Fifty One And Paise Fifty Only	151.50
			(3) Two Pin/RJ-11 Telephone Socket				
	1	Ea.	[A] For One Gang Cat.III	Ea.	160.59	Rupees One Hundred Sixty And Paise Fifty Nine Only	160.59
	1	Ea.	[B] For Two Gang Cat.III	Ea.	210.08	Rupees Two Hundred Ten And Paise Eight Only	210.08
	1	Ea.	(4) TV Co-axial Socket outlet Cat.III	Ea.	160.59	Rupees One Hundred Sixty And Paise Fifty Nine Only	160.59
	1	Ea.	(5) Electronic hum Free steps EME Fan regulator Cat.III	Ea.	398.95	Rupees Three Hundred Ninety Eight And Paise Ninety Five Only	398.95
	1	Ea.	(7) Blank Plate Single Cat.III	Ea.	25.25	Rupees Twenty Five And Paise Twenty Five Only	25.25
	1	Ea.	(8) Computer RJ-45 socket Cat.III	Ea.	160.59	Rupees One Hundred Sixty And Paise Fifty Nine Only	160.59

	1	Ea.	(9) 16 Amp. SP one way switch Cat.III	Ea.	180.79	Rupees One Hundred Eighty And Paise Seventy Nine Only	<b>180.79</b>
	1	Ea.	(10) 6/16Amp. Universal socket Cat.III	Ea.	199.98	Rupees One Hundred Ninety Nine And Paise Ninety Eight Only	<b>199.98</b>
	1	Ea.	(11) 6 Amps. Bell Push Cat.III	Ea.	151.50	Rupees One Hundred Fifty One And Paise Fifty Only	<b>151.50</b>
	1	Ea.	(12) 6Amp. / 16 Amp. Two Way switch Cat.III	Ea.	170.69	Rupees One Hundred Seventy And Paise Sixty Nine Only	<b>170.69</b>
	1	Ea.	(13) 6A/10A/16A/20A/25A/32A Single pole Modular MCB Switch Cat.III	Ea.	310.07	Rupees Three Hundred Ten And Paise Seven Only	<b>310.07</b>
	1	Ea.	(14) 6A/ 10A/ 16A/ 20A/ 25A/ 32A Double Pole Modular MCB SwitchCat.III	Ea.	410.06	Rupees Four Hundred Ten And Paise Six Only	<b>410.06</b>
	1	Ea.	(18) 13 Amp. International Modular Socket	Ea.	240.38	Rupees Two Hundred Forty And Paise Thirty Eight Only	<b>240.38</b>
	1	Ea.	(19) Modular Indicating Call Bell Cat.III	Ea.	329.26	Rupees Three Hundred Twenty Nine And Paise Twenty Six Only	<b>329.26</b>
	1	Ea.	(20) Modular Buzzer Cat.III	Ea.	149.48	Rupees One Hundred Forty Nine And Paise Forty Eight Only	<b>149.48</b>
			(21) Foot Light as per colour requirement with concealed box, modular accessories, acrylic glass cover with suitable LED watt with all accessories as per following module				

	1	Ea.	(a) Two modules Cat-III	Ea.	316.13	Rupees Three Hundred Sixteen And Paise Thirteen Only	<b>316.13</b>
	1	Ea.	(b) Four modules Cat-III	Ea.	494.90	Rupees Four Hundred Ninety Four And Paise Ninety Only	<b>494.90</b>
7			Replacing old and u/s by Providing & erecting following type of Modular Type Accessories with necessary connection. As desired by Engineer In charge				
	1	Ea	(1) 6 Amp. SP one way switch	Ea	27.27	Rupees Twenty Seven And Paise Twenty Seven Only	<b>27.27</b>
	1	Ea	(2) 16 Amp. SP one way switch	Ea	51.51	Rupees Fifty One And Paise Fifty One Only	<b>51.51</b>
	1	Ea	(3) 6/16Amp. Universal socket	Ea	82.82	Rupees Eighty Two And Paise Eighty Two Only	<b>82.82</b>
	1	Ea	(4) 6 A socket	Ea	42.42	Rupees Forty Two And Paise Forty Two Only	<b>42.42</b>
	1	Ea	(5) LAN cable connector with ferule	Ea	36.36	Rupees Thirty Six And Paise Thirty Six Only	<b>36.36</b>
8			Replacing old and u/s by 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				
	1	Mtr.	(a)20 mm	Mtr.	24.24	Rupees Twenty Four And Paise Twenty Four Only	<b>24.24</b>

	1	Mtr.	(b) 25 mm	Mtr.	33.33	Rupees Thirty Three And Paise Thirty Three Only	<b>33.33</b>
9			Replacing old and u/s by Supplying & erecting UPVC Mini trunking (PVC Casing-n-Capping) having double locking arrangement with grooves, trunking of size not below 12.5 mm in height as per IS with accessories of PVC/Resin polypropylene not below 1.8 mm thick duly sealed in joint & erected on wall / ceiling of following size .				
	1	Mtr.	(2) 25 mm	Mtr.	31.31	Rupees Thirty One And Paise Thirty One Only	<b>31.31</b>
	1	Mtr.	(3) 32 mm	Mtr.	36.36	Rupees Thirty Six And Paise Thirty Six Only	<b>36.36</b>
10	1	Mtr.	Replacing old and u/s by Supplying and laying UPVC cable trunking system comprising unplasticised polyvinyl, chloride rigid material with ignition free and flame proof confirming BS with necessary end caps Internal and external bend, flat bends, coupler, tee etc..All necessary accessories and measuring of following sizes(2) 100 mm x 50 mm trunking	Mtr.	428.24	Rupees Four Hundred Twenty Eight And Paise Twenty Four Only	<b>428.24</b>
11			Replacing old and u/s by Providing and erecting 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 on 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				
	1	Mtr.	(a) 2 wire 1.5 sq. mm	Mtr.	78.78	Rupees Seventy Eight And Paise Seventy Eight Only	<b>78.78</b>
	1	Mtr.	(b) 2 wire 2.5 sq. mm	Mtr.	104.03	Rupees One Hundred Four And Paise Three Only	<b>104.03</b>
			(E) in existing pipe				



	1	Mtr.	(a) 2 wire 1.5 sq. mm	Mtr.	58.58	Rupees Fifty Eight And Paise Fifty Eight Only	<b>58.58</b>
	1	Mtr.	(b) 2 wire 2.5 sq. mm	Mtr.	78.78	Rupees Seventy Eight And Paise Seventy Eight Only	<b>78.78</b>
12			Replacing old and u/s by providing and erecting Mains with 1.1 kV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 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				
	1	Mtr.	(a) 2 wire 4 sq. mm	Mtr.	140.39	Rupees One Hundred Forty And Paise Thirty Nine Only	<b>140.39</b>
	1	Mtr.	(b) 2 wire 6 sq. mm	Mtr.	184.83	Rupees One Hundred Eighty Four And Paise Eighty Three Only	<b>184.83</b>
	1	Mtr.	(c) 2 wire 10 sq. mm (use earth wire of 4 sq.mm )	Mtr.	295.93	Rupees Two Hundred Ninety Five And Paise Ninety Three Only	<b>295.93</b>
	1	Mtr.	(g) 4 wire 4 sq. mm	Mtr.	226.24	Rupees Two Hundred Twenty Six And Paise Twenty Four Only	<b>226.24</b>
	1	Mtr.	(h) 4 wire 6 sq. mm	Mtr.	326.23	Rupees Three Hundred Twenty Six And Paise Twenty Three Only	<b>326.23</b>
	1	Mtr.	(i) 4 wire 10 sq. mm (use earth wire of 4 sq.mm )	Mtr.	532.27	Rupees Five Hundred Thirty Two And Paise Twenty Seven Only	<b>532.27</b>
			(E) in existing pipe				

	1	Mtr.	(a) 2 wire 4 sq. mm	Mtr.	109.08	Rupees One Hundred Nine And Paise Eight Only	<b>109.08</b>
	1	Mtr.	(b) 2 wire 6 sq. mm	Mtr.	152.51	Rupees One Hundred Fifty Two And Paise Fifty One Only	<b>152.51</b>
13	1	Mtr.	Replacing old and u/s by providing and erecting Mains with ISI marked, 1.5kV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required.(f) One wire 10.00 sq. mm	Mtr.	152.51	Rupees One Hundred Fifty Two And Paise Fifty One Only	<b>152.51</b>
14			Replacing old and u/s by Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kV grade ISI marked copper wires of following size to be erected as directed.				
	1	Mtr.	(e) 1.50 Sq.mm 3 core round PVC sheathed	Mtr.	58.58	Rupees Fifty Eight And Paise Fifty Eight Only	<b>58.58</b>
	1	Mtr.	(h) 2.50 Sq.mm 3 core round PVC sheathed	Mtr.	97.97	Rupees Ninety Seven And Paise Ninety Seven Only	<b>97.97</b>
	1	Mtr.	(j) 4.00 Sq.mm 3 core round PVC sheathed	Mtr.	159.58	Rupees One Hundred Fifty Nine And Paise Fifty Eight Only	<b>159.58</b>
15	1	Mtr.	Replacing old and u/s by Providing & Erecting approved make following size of TV Co-axial flexible cable comprising inner conductor of solid bare copper insulated with Foam PE & Secondary conductor made of poly - Aluminium film bonded Al. Braids @ suitable coverage overall sheathed with black PVC insulation.(e) RG-11	Mtr.	62.62	Rupees Sixty Two And Paise Sixty Two Only	<b>62.62</b>

16			Replacing old and u/s by Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections.				
			[A] Conductor Size 0.5 mm				
			<b>(a) Unarmoured</b>				
	1	Mtr.	(2) Two Pairs	Mtr.	20.20	Rupees Twenty And Paise Twenty Only	<b>20.20</b>
			<b>(b) Armoured [Jelly Filled]</b>			Rupees Nil	
	1	Mtr.	(1) Ten Pairs	Mtr.	125.24	Rupees One Hundred Twenty Five And Paise Twenty Four Only	<b>125.24</b>
	1	Mtr.	(2) Twenty Pairs	Mtr.	199.98	Rupees One Hundred Ninety Nine And Paise Ninety Eight Only	<b>199.98</b>
17			Replacing old and u/s by Supplying & erecting approved make LAN cable of following size in existing pipe as per direction				
	1	Mtr	[C] CAT - 6	Mtr	47.47	Rupees Forty Seven And Paise Forty Seven Only	<b>47.47</b>
	1	Mtr	[D] CAT - 6 e	Mtr	76.76	Rupees Seventy Six And Paise Seventy Six Only	<b>76.76</b>
	1	Mtr	[E] CAT - 6 shielded	Mtr	94.94	Rupees Ninety Four And Paise Ninety Four Only	<b>94.94</b>
18			Replacing old and u/s by Providing & Erecting following Shockproof tissino type accessories erected on 3 mm thick PC (Polycarbonate) sheet in PVC/ Metal/Wooden Box. erected on wall/ ceiling.				
	1	Ea.	(1) One no Single pole 6 A Switch / Bell push	Ea.	31.31	Rupees Thirty One And Paise Thirty One Only	<b>31.31</b>

	1	Ea.	(2) One no 3/5 pin 6 A Socket	Ea.	31.31	Rupees Thirty One And Paise Thirty One Only	<b>31.31</b>
	1	Ea.	(3) One no Single pole 16 A Switch	Ea.	47.47	Rupees Forty Seven And Paise Forty Seven Only	<b>47.47</b>
	1	Ea.	(4) One no 6/16 A Universal Socket	Ea.	47.47	Rupees Forty Seven And Paise Forty Seven Only	<b>47.47</b>
	1	Ea.	(5) One no Single pole 16 A Switch & One no 6/16 A Universal Socket combined	Ea.	94.94	Rupees Ninety Four And Paise Ninety Four Only	<b>94.94</b>
	1	Ea.	(6) One no Single pole 16 A Switch & One no 6A/16A Universal Socket combined with indicator & fuse	Ea.	125.24	Rupees One Hundred Twenty Five And Paise Twenty Four Only	<b>125.24</b>
	1	Ea.	(7) Bakelite ceiling, rose	Ea.	18.18	Rupees Eighteen And Paise Eighteen Only	<b>18.18</b>
	1	Ea.	(8) Bakelite lamp holder	Ea.	22.22	Rupees Twenty Two And Paise Twenty Two Only	<b>22.22</b>
	1	Ea.	(9) Telephone Pin, Socket with suitable top	Ea.	42.42	Rupees Forty Two And Paise Forty Two Only	<b>42.42</b>
	1	Ea.	(10) Jack type tissino Telephone outlet	Ea.	42.42	Rupees Forty Two And Paise Forty Two Only	<b>42.42</b>
	1	Ea.	(11) Tissino type Neon 'Indicator Lamp'	Ea.	22.22	Rupees Twenty Two And Paise Twenty Two Only	<b>22.22</b>
	1	Ea.	(12) Tissino type TV antenna socket	Ea.	31.31	Rupees Thirty One And Paise Thirty One Only	<b>31.31</b>

	1	Ea.	(13) Tissino type 10A/16A Kitkat fuse	Ea.	31.31	Rupees Thirty One And Paise Thirty One Only	<b>31.31</b>
	1	Ea.	(14) Electronic Hum free EME Socket Type Steps Fan Regulator	Ea.	219.17	Rupees Two Hundred Nineteen And Paise Seventeen Only	<b>219.17</b>
19	1	Ea.	Replacing old and u/s by Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories Cat.III	Ea.	1133.22	Rupees One Thousand One Hundred Thirty Three And Paise Twenty Two Only	<b>1,133.22</b>
20	1	Ea.	Replacing old and u/s by Supplying & erecting Approved make call bell indicator with buzzing sound and Red light indicating lamp with Red light button to attend the call suitable for 240 v 50 Hz supply to be erected.	Ea.	148.47	Rupees One Hundred Forty Eight And Paise Forty Seven Only	<b>148.47</b>
21	1	Ea.	Replacing old and u/s by Decorative call bell Ting-tong box type 250 volts complete erected	Ea.	71.71	Rupees Seventy One And Paise Seventy One Only	<b>71.71</b>
22	1	Ea.	Replacing old and u/s bySupplying electrical insulation L.T. Tape roll with ISI marked having nominal width 1.8 cms nominal length 9.0 mtr nominal thickness 0.125 mm and having self adhesive PVC	Ea.	16.16	Rupees Sixteen And Paise Sixteen Only	<b>16.16</b>
23	1	Ea.	Replacing old and u/s by Providing and erecting decorative wall bracket fittings complete with LED lamp and rust free fittings components mounted in chrome finish housing with holder ,clear/opaque glass diffuser complete erected with lead wires with minimum 15 wattage capacity as per instruction engineer incharge/architect/authority .cat-III	Ea.	1712.96	Rupees One Thousand Seven Hundred Twelve And Paise Ninety Six Only	<b>1,712.96</b>

24			Replacing old and u/s by 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/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt ,LED LED driver efficiency > 85 % ( fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)				
			(A) Tube Light with integral driver				
	1	Ea.	(i) 5-10 Watts, Surge-2 kV, IP-20, conventional 1 to 2 feet ,Cat.III	Ea.	165.64	Rupees One Hundred Sixty Five And Paise Sixty Four Only	165.64
	1	Ea.	(iii) 18-20 Watts, Surge - 2kV,IP-20, conventional 4 feet ,Cat.III	Ea.	295.93	Rupees Two Hundred Ninety Five And Paise Ninety Three Only	295.93
	1	Ea.	(iv) 22-24 Watts, Surge - 2kV,IP-20, conventional 4 feet, Cat.III	Ea.	373.70	Rupees Three Hundred Seventy Three And Paise Seventy Only	373.70
	1	Ea.	(v) 36-40 Watts, Surge-2 kV, IP-20, conventional 4 feet,Cat.III	Ea.	535.30	Rupees Five Hundred Thirty Five And Paise Thirty Only	535.30
25			Replacing old and u/s by Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection,Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5				
			(A) LED Lamps integral type, with PC diffuser suitable LAMP holder				

	1	Ea.	(ii) 5 to 8 watts ,Cat.III	Ea.	112.11	Rupees One Hundred Twelve And Paise Eleven Only	<b>112.11</b>
	1	Ea.	(iii) 10 to 15 watts ,Cat.III	Ea.	188.87	Rupees One Hundred Eighty Eight And Paise Eighty Seven Only	<b>188.87</b>
26			Replacing old and u/s by 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/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 160V to 270V,Power Factor more than 0.95, THD < 15 %, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt , LED driver efficiency > 85 % ( fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)				
			(A) Square/ Circular shaped Surface/Recessed Mount Downlight with provision for spring loaded mounting clips complete.IP20				
	1	Ea.	(ii) 11-15 watts, Surge-2 KV,Cat.III	Ea.	427.23	Rupees Four Hundred Twenty Seven And Paise Twenty Three Only	<b>427.23</b>
	1	Ea.	(iii) 16-20 watts, Surge-2 Kv,Cat.III	Ea.	589.84	Rupees Five Hundred Eighty Nine And Paise Eighty Four Only	<b>589.84</b>
	1	Ea.	(iv) 22-24 watts, Surge-2 Kv,Cat.III	Ea.	758.51	Rupees Seven Hundred Fifty Eight And Paise Fifty One Only	<b>758.51</b>

			(B) LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete.IP20				
	1	Ea.	(v) 24 watts, 12" x 12" , Surge-2 kV,Cat.III	Ea.	724.17	Rupees Seven Hundred Twenty Four And Paise Seventeen Only	<b>724.17</b>
	1	Ea.	(vi) 36 watts, 24" x 24", Surge- 2kV,Cat.III	Ea.	1794.77	Rupees One Thousand Seven Hundred Ninety Four And Paise Seventy Seven Only	<b>1,794.77</b>
			(D) LED Strip Light				
	1	Mtr.	(i) Minimum 4.8W-120 LED per meter (2 wire, IP-65) with non integral suitable Driver complete,Cat.III	Mtr.	135.34	Rupees One Hundred Thirty Five And Paise Thirty Four Only	<b>135.34</b>
	1	Mtr.	(ii) Minimum 7.2W -240 LED per meter,(2 wire, IP-65) with non integral suitable Driver complete,Cat.III	Mtr.	220.18	Rupees Two Hundred Twenty And Paise Eighteen Only	<b>220.18</b>
			(F) Spot Light 425 Lumens, Surge-2kV				
	1	Ea.	(i) 3 to 7 Watts	Ea.	813.05	Rupees Eight Hundred Thirteen And Paise Five Only	<b>813.05</b>
	1	Ea.	(ii) 8 to 11 Watts	Ea.	1367.54	Rupees One Thousand Three Hundred Sixty Seven And Paise Fifty Four Only	<b>1,367.54</b>



27	1	Ea.	Replacing old and u/s by Suppling & Erecting new 18W LED retrofit PLL lamps with housing made of Elegantly designed polycarbonate housing in opal finish to provide glare free uniform light distribution and in-built Aluminium Heat sink for better thermal management. Lamps shall deliver excellent illumination & visual comfort with CRI of >80, High transmittance Opal Polycarbonate diffuser for glare-free symmetric light distribution. Lamps should be with 120 lm/W System Efficacy and designed for Avg. LED Life (L70 B35) 35,000 Burning Hours & with high efficient Photobiologically safe LEDs. Lamps should be Powered by an integral electronic constant current driver offering THD<15%, Output Short-circuit protection, Surge Voltage protection, and other reliability tests as per IS:15885 Part 2/Sec 13. Lamps should be provided with 3kV surge protection. Lamp manufacturer to have an in-house NABL-accredited Laboratory for testing Photometric parameters.Cat-III (Note:- During Execuvation of work if it reurired to cut false ceiling for providing fitting and after erection of fitting if require to fill additional false ceiling gap than that work should be in scope of Agency.)	Ea.	762.55	Rupees Seven Hundred Sixty Two And Paise Fifty Five Only	762.55
28	1	Ea.	Replacing old and u/s by Supplying and erecting LED recessed mount indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt (CREE / OSRAM / PHILIPHS make LED used in fitting ) assembled on MCPCB,Product should Suitable to replace Conventional (2X 36W ) T-5 Light fitting with 30W LED panel Light fitting with backlit luminaire and customised housing having dimension of [ ( 505mm (L) X 295mm (W) x 40mm (H)), suitable for retrofit into existing cut out, made of elegantly designed CRCA powder coated housing and having Micro diffuser to provide glare free uniform light distribution. Luminaire shall deliver excellent illumination & visual comfort with CRI of >80, Suitable to operating voltage on 140V to 300V A.C.,Power Factor more than 0.95, THD < 15 %,CCT 3000 K to 6500K, Luminaire efficacy> 100 lumens/watt , with external LED driver with efficiency > 85 % ( fitting required LM-79 & LM-80 Certificates). High transmittance Micro diffuser for glare-free symmetric light distribution. Lamps should be with 100 lm/W System Efficiency and designed for Avg. LED Life (L70 B50) of 50,000 Burning Hours & with high efficient Photo biologically safe LEDs with 3SDCM bin. Lamps should be powered by an integral electronic constant current driver having Output Short-circuit		3322.90	Rupees Three Thousand Three Hundred Twenty Two And Paise Ninety Only	3,322.90

29			Replacing old and u/s by Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V, Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K, Uniformity ratio >0.45, Luminaire efficacy > 100 lumens/watt . LED driver efficiency > 85 %.( fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.)	Ea.			
			(A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection.				
	1	Ea.	(i) 36 - 47 watts,Cat.III		2843.15	Rupees Two Thousand Eight Hundred Forty Three And Paise Fifteen Only	<b>2,843.15</b>
	1	Ea.	(ii) 48 - 59 Watts,Cat.III	Ea.	4248.06	Rupees Four Thousand Two Hundred Forty Eight And Paise Six Only	<b>4,248.06</b>
	1	Ea.	(iii) 60 - 89 watts,Cat.III	Ea.	5080.30	Rupees Five Thousand Eighty And Paise Thirty Only	<b>5,080.30</b>
	1	Ea.	(iv) 90 - 119 watts,Cat.III	Ea.	5581.26	Rupees Five Thousand Five Hundred Eighty One And Paise Twenty Six Only	<b>5,581.26</b>
			(B) Flood Light (IP-65), Surge protection -4kV integral and ,Light must have 440VAC line supply with over-voltage protection.	Ea.			

	1	Ea.	(ii) 48 - 59 Watts,Cat.III		4760.13	Rupees Four Thousand Seven Hundred Sixty And Paise Thirteen Only	<b>4,760.13</b>
	1	Ea.	(iii) 60 - 89 watts,Cat.III	Ea.	5175.24	Rupees Five Thousand One Hundred Seventy Five And Paise Twenty Four Only	<b>5,175.24</b>
	1	Ea.	(iv) 90 - 119 watts , Cat-III	Ea.	6177.16	Rupees Six Thousand One Hundred Seventy Seven And Paise Sixteen Only	<b>6,177.16</b>
			(C) Post Top Lantern LED fitting comprises of finish cast aluminum spigot and spun aluminum canopy fixed with opal polycarbonate, pipe arrangement for vertical mounting driver and accessories wired up to terminal block.IP 65	Ea.			
	1	Ea.	(ii)32-40W, Cat.III		4096.56	Rupees Four Thousand Ninety Six And Paise Fifty Six Only	<b>4,096.56</b>
30	1	Ea.	Replacing old and u/s by Bollards(a) LED Bollard fittings of minimum height 400 mm & dia.100mm having polycarbonate clear/milky diffuser mounted on 3mm thick aluminium finished powder coated pipe with base plate 160x160mm with erection by M8x75mm fastner with required RCC foundation.IP65 for 9 to 20 watt ,surge-4kV cat-III	Ea.	1767.50	Rupees One Thousand Seven Hundred Sixty Seven And Paise Fifty Only	<b>1,767.50</b>
	1	Ea.	Replacing old and u/s by Bollards(b) LED Bollard fittings of minimum height 600 mm & dia.100mm having polycarbonate clear/milky diffuser mounted on 3mm thick aluminium finished powder coated pipe with base plate 160x160mm with erection by M8x75mm fastner with required RCC foundation.IP65 for 9 to 20 watt ,surge-4kV- cat-III	Ea.	2687.61	Rupees Two Thousand Six Hundred Eighty Seven And Paise Sixty One Only	<b>2,687.61</b>

	1	Ea.	Replacing old and u/s by Bollards (c) LED Bollard fittings of minimum height 1000 mm & dia.100mm having polycarbonate clear/milky diffuser mounted on 3mm thick aluminium finished powder coated pipe with base plate 160x160mm with erection by M8x75mm fastner with required RCC foundation.IP65 for 9 to 20 watt and above ,surge-4kV cat-III	Ea.	3792.55	Rupees Three Thousand Seven Hundred Ninety Two And Paise Fifty Five Only	<b>3,792.55</b>
31			Repairing of existing indoor LED light fixture(tube light/panel light/spot light/strip light/decorative wall lights etc as per sample )by suitable driver 2 kv according to LED PCB as per requirement of following rating wattage capacity .	Ea.			
	1	Ea.	(D) 16-24 watt capacity		227.25	Rupees Two Hundred Twenty Seven And Paise Twenty Five Only	<b>227.25</b>
	1	Ea.	(E) 25-36 watt capacity	Ea.	360.57	Rupees Three Hundred Sixty And Paise Fifty Seven Only	<b>360.57</b>
32			Repairing of existing indoor LED light fixture(flood light/street light/bollard lights/decorative wall lights/landscape light etc as per sample )by suitable driver 4 kv,IP65 according to LED PCB as per requirement of following rating wattage capacity .	Ea.			
	1	Ea.	(G) 50-80 watt capacity		886.78	Rupees Eight Hundred Eighty Six And Paise Seventy Eight Only	<b>886.78</b>
	1	Ea.	(H) 90-100 watt capacity	Ea.	1344.31	Rupees One Thousand Three Hundred Forty Four And Paise Thirty One Only	<b>1,344.31</b>

33			Replacing old and u/s by Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 25 KA. at 415 V, having normal current rating up to 25 A to 100A. with Fixed thermal & magnetic release suitable to work on A.C. supply 50 Hz. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing.	Ea.			
	1	Ea.	ICS=100% of ICU only Cat III		6790.23	Rupees Six Thousand Seven Hundred Ninety And Paise Twenty Three Only	<b>6,790.23</b>
34			Replacing old and u/s by Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating 125A. with Fixed thermal & magnetic release suitable to work on A.C. supply 50 Hz. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing.				
	1	Ea.	ICS=100% of ICU only Cat III		8861.74	Rupees Eight Thousand Eight Hundred Sixty One And Paise Seventy Four Only	<b>8,861.74</b>
35			Replacing old and u/s by Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having Normal current rating 200A. with variable Thermal & magnetic release suitable to work on A.C. supply 50 Hz. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing				
	1	Ea.	ICS=100% of ICU only Cat III		17843.67	Rupees Seventeen Thousand Eight Hundred Forty Three And Paise Sixty Seven Only	<b>17,843.67</b>

36			Replacing old and u/s by Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. and above at 415 V . having normal current rating 250A. with variable thermal & magnetic release suitable to work on A.C.supply 50 Hz. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing.				
	1	Ea.	ICS=100% of ICU only Cat III		23041.13	Rupees Twenty Three Thousand Forty One And Paise Thirteen Only	<b>23,041.13</b>
37			Replacing old and u/s by Providing and erecting Approved make Earth fault Relay suitable to mount with inter connection suitable to following size of moulded case circuit breaker having CT ratio & MCCB rating as following along with shunt trip 220V AC. with all internal connections & complete erected in existing M.S.housing..				
	1	Ea.	(1) 15 A -100 A , CT Ratio 1/100		5156.05	Rupees Five Thousand One Hundred Fifty Six And Paise Five Only	<b>5,156.05</b>
	1	Ea.	(2) 125 A -200 A , CT Ratio 1/200		5482.28	Rupees Five Thousand Four Hundred Eighty Two And Paise Twenty Eight Only	<b>5,482.28</b>
	1	Ea.	(3) 250 A -400 A , CT Ratio 1/400		5956.98	Rupees Five Thousand Nine Hundred Fifty Six And Paise Ninety Eight Only	<b>5,956.98</b>

38			Replacing old and u/s by Supplying and erecting triple pole & neutral 440V/ 500V panel mounting Aluminium Busbars with four equal Nos. of bus having current density not more than 0.8 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each busbar,erected in existing cubical panel with necessary connections.				
	1	Rn.Mtr	(A) Suitable for 100 Amp. Capacity		660.54	Rupees Six Hundred Sixty And Paise Fifty Four Only	<b>660.54</b>
	1	Rn.Mtr	(B) Suitable for 200 Amp. Capacity		1037.27	Rupees One Thousand Thirty Seven And Paise Twenty Seven Only	<b>1,037.27</b>
	1	Rn.Mtr	(C) Suitable for 300 Amp. Capacity		1469.55	Rupees One Thousand Four Hundred Sixty Nine And Paise Fifty Five Only	<b>1,469.55</b>
39			Replacing old and u/s by providing and erecting Miniature circuit breaker single pole 0.5A to 2A system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark				
	1	281.00	Cat.III		297.95	Rupees Two Hundred Ninety Seven And Paise Ninety Five Only	<b>297.95</b>
40			Replacing old and u/s by providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark				
	1	Ea.	Cat.III		123.22	Rupees One Hundred Twenty Three And Paise Twenty Two Only	<b>123.22</b>

41			Replacing old and u/s by Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity				
	1	Ea.	(A) 6 to 32 Amp. Cat.III		329.26	Rupees Three Hundred Twenty Nine And Paise Twenty Six Only	<b>329.26</b>
	1	Ea.	(B)40 Amp. Cat.III		362.59	Rupees Three Hundred Sixty Two And Paise Fifty Nine Only	<b>362.59</b>
42			Replacing old and u/s by Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity				
	1	Ea.	(A) 6 to 32 Amp. Cat.III		306.03	Rupees Three Hundred Six And Paise Three Only	<b>306.03</b>
	1	Ea.	(B)40 Amp. Cat.III		325.22	Rupees Three Hundred Twenty Five And Paise Twenty Two Only	<b>325.22</b>
43			Replacing old and u/s by Providing & erecting 415V MCB Four Pole Switch for Lighting Load (B curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity				
	1	Ea.	(a) 6 to 32 Amp. Cat.III		637.31	Rupees Six Hundred Thirty Seven And Paise Thirty One Only	<b>637.31</b>
	1	Ea.	(b)40 Amp. Cat.III		702.96	Rupees Seven Hundred Two And Paise Ninety Six Only	<b>702.96</b>



44			Replacing old and u/s by Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity				
	1	Ea.	(a) 6 to 32 Amp. Cat.III		655.49	Rupees Six Hundred Fifty Five And Paise Forty Nine Only	<b>655.49</b>
	1	Ea.	(b)40 Amp. Cat.III		736.29	Rupees Seven Hundred Thirty Six And Paise Twenty Nine Only	<b>736.29</b>
	1	Ea.	(c)63 Amp. Cat.III		811.03	Rupees Eight Hundred Eleven And Paise Three Only	<b>811.03</b>
45	1	Ea.	Replacing old and u/s by Sheets steel powder coated enclosure suitable for incorporating One/Two nos. MCB.		176.75	Rupees One Hundred Seventy Six And Paise Seventy Five Only	<b>176.75</b>
46			Replacing old and u/s by Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for				
			(A) single phase incoming and horizontal single phase outgoing				
			(b) sheet steel double door (IP-43)				
	1	Ea.	(i)4 way		629.23	Rupees Six Hundred Twenty Nine And Paise Twenty Three Only	<b>629.23</b>

	1	Ea.	(ii)6 way		885.77	Rupees Eight Hundred Eighty Five And Paise Seventy Seven Only	<b>885.77</b>
	1	Ea.	(iii)8 way		1152.41	Rupees One Thousand One Hundred Fifty Two And Paise Forty One Only	<b>1,152.41</b>
	1	Ea.	(iv)12 way		1492.78	Rupees One Thousand Four Hundred Ninety Two And Paise Seventy Eight Only	<b>1,492.78</b>
			(B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI)				
			(b) sheet steel double door				
	1	Ea.	(i)4 way		2339.16	Rupees Two Thousand Three Hundred Thirty Nine And Paise Sixteen Only	<b>2,339.16</b>
	1	Ea.	(ii)6 way		2913.85	Rupees Two Thousand Nine Hundred Thirteen And Paise Eighty Five Only	<b>2,913.85</b>
	1	Ea.	(iii)8 way		3412.79	Rupees Three Thousand Four Hundred Twelve And Paise Seventy Nine Only	<b>3,412.79</b>

47			Replacing old and u/s by Providing and erecting Sheet Steel powder coated <u>Vertical</u> MCB distribution board (VTPN) - flush / surface mounted double door (IP54) fitted with copper insulated busbar, isolated neutral bar, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3, suitable for 63/100 AMP TPN MCCB + RCCB as incomer and three phase outgoing as per following .(The DBs should be used of same company of MCB to be used)				
	1	Ea.	(C)8 way outgoing		8402.19	Rupees Eight Thousand Four Hundred Two And Paise Nineteen Only	<b>8,402.19</b>
	1	Ea.	(D)12 way outgoing		10965.57	Rupees Ten Thousand Nine Hundred Sixty Five And Paise Fifty Seven Only	<b>10,965.57</b>
48			Replacing old and u/s by providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed				
	1	Ea.	(i) 25 Amps.DP Cat. III		2166.45	Rupees Two Thousand One Hundred Sixty Six And Paise Forty Five Only	<b>2,166.45</b>
	1	Ea.	(ii) 40Amps. DP Cat. III		2458.34	Rupees Two Thousand Four Hundred Fifty Eight And Paise Thirty Four Only	<b>2,458.34</b>

49			Replacing old and u/s by Providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on 3 phase and neutral 415V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed.				
	1	Ea.	(ii) 40Amps. FP Cat. III		2900.72	Rupees Two Thousand Nine Hundred And Paise Seventy Two Only	<b>2,900.72</b>
	1	Ea.	(iii) 63 Amps. FP Cat. III		3344.11	Rupees Three Thousand Three Hundred Forty Four And Paise Eleven Only	<b>3,344.11</b>
	1	Ea.	(iv) 100 Amps. FP (100 mA Sensitivity) Cat. III		4745.99	Rupees Four Thousand Seven Hundred Forty Five And Paise Ninety Nine	<b>4,745.99</b>
50			Replacing old and u/s by Supplying & fixing box for housing RCCB + MCB combination made of 18 SWG sheet steel duly powder coated with gasket, dust & vermin proof bakelite shield two earthing terminals for following type of RCCB, RCCB + MCB				
	1	Ea.	[a] For 2 pole		301.99	Rupees Three Hundred One And Paise Ninety Nine Only	<b>301.99</b>
	1	Ea.	[b] For 4 Pole		490.86	Rupees Four Hundred Ninety And Paise Eighty Six Only	<b>490.86</b>
51	1	Ea.	Replacing old and u/s by Providing and erecting metallic vitrified danger notice board as per language suggested by engineer incharge for MEDIUM VOLTAGE installation to be erected as per IS-2551.		69.69	Rupees Sixty Nine And Paise Sixty Nine Only	<b>69.69</b>

52	1	Kg.	Replacing old and u/s by Providing and erecting HOT deep Galvanised iron strip/wire 4.064mm to 1.626mm.		77.77	Rupees Seventy Seven And Paise Seventy Seven Only	77.77
53			Replacing old and u/s by Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover. (A)(approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistance mentioned in test Certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphur content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency.				
	1	Ea.	(a) For Electrical Installation up to 440V in normal soil Length of pipe - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg.		4591.46	Rupees Four Thousand Five Hundred Ninety One And Paise Forty Six Only	4,591.46
	1	Ea.	(b)For Electrical installation up to 11 kV in normal soil. Length of Pipe : 2.00 mtrs Back filling Compound :1 no. Bag of 25 Kg.		5760.03	Rupees Five Thousand Seven Hundred Sixty And Paise Three Only	5,760.03

54	1	Kg.	Replacing old and u/s by Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles,square,round, flats, bars, channels, sections complete with cutting, welding, grinding & finishing duly painted with one coat of red oxide with erection on site as per direction of engineer in charge with necessary grouting, cementing, plastering & finishing complete.		77.77	Rupees Seventy Seven And Paise Seventy Seven Only	77.77
55			Replacing old and u/s by Providing & erecting weather proof, dust & vermin proof, floor mounted front operated outdoor type double door cubical panel board necessary IP-54 and above protection as per approval from engineer incharge made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary accesories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of				
			supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating.				
			(The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size.				
			(A) locally fabricated panel board				
	1	Sq.Mtr	(i) with 350 mm depth		11466.53	Rupees Eleven Thousand Four Hundred Sixty Six And Paise Fifty Three Only	11,466.53
			(B) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory				

	1	Sq.Mtr	(i) with 350mm depth		16323.62	Rupees Sixteen Thousand Three Hundred Twenty Three And Paise Sixty Two Only	<b>16,323.62</b>
	1	Sq.Mtr	(ii) with 550 mm. Depth		21258.48	Rupees Twenty One Thousand Two Hundred Fifty Eight And Paise Forty Eight Only	<b>21,258.48</b>
	1	Sq.Mtr	(iv) with 1000 mm. depth		45014.69	Rupees Forty Five Thousand Fourteen And Paise Sixty Nine Only	<b>45,014.69</b>
56			Replacing old and u/s by Supplying & erecting FRLS-XLPE(IS:7098) (I)-88 ISI unarmoured Aluminium cable 1.1 kV.grade to be erected as directed of following size.				
	1	Mtr.	(A)4 core 2.5 Sq. mm		60.60	Rupees Sixty And Paise Sixty Only	<b>60.60</b>
	1	Mtr.	(B)4 core 4 Sq. mm		90.90	Rupees Ninety And Paise Ninety Only	<b>90.90</b>
57			Replacing old and u/s by Supplying & erecting FRLS-XLPE(IS:7098)(I)-88 ISI unarmoured copper cable 1.1 kV grade to be erected as directed of following size.				
	1	Mtr.	(A) 4 core 2.5 Sq. mm		211.09	Rupees Two Hundred Eleven And Paise Nine Only	<b>211.09</b>

	1	Mtr.	(B) 4 core 4 Sq. mm		300.98	Rupees Three Hundred And Paise Ninety Eight Only	<b>300.98</b>
58			Replacing old and u/s by Providing and erecting FRLS-XLPE(IS:7098)(I)-88 ISI armoured cable Aluminium conductor for 1.1 kV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables.				
	1	Mtr.	(B) 2 core 6 Sq. mm		112.11	Rupees One Hundred Twelve And Paise Eleven Only	<b>112.11</b>
59			Replacing old and u/s by Providing and erecting FRLS-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				
	1	Mtr.	(A) 3 1/2 core 25 Sq. mm ( 16 Sq. mm 1/2 core)		220.18	Rupees Two Hundred Twenty And Paise Eighteen Only	<b>220.18</b>
	1	Mtr.	(B) 3 1/2 core 35 Sq. mm ( 16 Sq. mm 1/2 core)		264.62	Rupees Two Hundred Sixty Four And Paise Sixty Two Only	<b>264.62</b>
	1	Mtr.	(C) 3 1/2 core 50 Sq. mm ( 25 Sq.1/2 mm core)		341.38	Rupees Three Hundred Forty One And Paise Thirty Eight Only	<b>341.38</b>
	1	Mtr.	(D) 3 1/2 core 70 Sq. mm ( 35 Sq. mm 1/2 core)		454.50	Rupees Four Hundred Fifty Four And Paise Fifty Only	<b>454.50</b>



	1	Mtr.	(E) 3 1/2 core 95 Sq. mm ( 50 Sq. mm 1/2 core)		589.84	Rupees Five Hundred Eighty Nine And Paise Eighty Four Only	<b>589.84</b>
	1	Mtr.	(F) 3 1/2 core 120 Sq. mm ( 70 Sq. mm 1/2 core)		648.42	Rupees Six Hundred Forty Eight And Paise Forty Two Only	<b>648.42</b>
	1	Mtr.	(G) 3 1/2 core 150 Sq. mm ( 70 Sq. mm 1/2 core)		876.68	Rupees Eight Hundred Seventy Six And Paise Sixty Eight Only	<b>876.68</b>
	1	Mtr.	(H) 3 1/2 core 185 Sq. mm ( 95 Sq. mm 1/2 core)		1085.75	Rupees One Thousand Eighty Five And Paise Seventy Five Only	<b>1,085.75</b>
60			Replacing old and u/s by Providing and erecting FRLS-XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid Aluminium conductor for 1.1 kV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables				
	1	Mtr.	(A) 4 core 4 Sq. mm		140.39	Rupees One Hundred Forty And Paise Thirty Nine Only	<b>140.39</b>
	1	Mtr.	(B) 4 core 6 Sq. mm		151.50	Rupees One Hundred Fifty One And Paise Fifty Only	<b>151.50</b>
	1	Mtr.	(C) 4 core 10 Sq. mm		168.67	Rupees One Hundred Sixty Eight And Paise Sixty Seven Only	<b>168.67</b>

61			Replacing old and u/s by Providing and erecting FRLS-XLPE(IS:7098)(I)-88 ISI armoured cable multistrand / Solid Copper conductor for 1.1 kV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables.				
	1	Mtr.	(A) 4 core 2.5 Sq. mm		339.36	Rupees Three Hundred Thirty Nine And Paise Thirty Six Only	<b>339.36</b>
	1	Mtr.	(B) 4 core 4 Sq. mm		455.51	Rupees Four Hundred Fifty Five And Paise Fifty One Only	<b>455.51</b>
	1	Mtr.	(C) 4 core 6 Sq. mm		637.31	Rupees Six Hundred Thirty Seven And Paise Thirty One Only	<b>637.31</b>
62	1	Mtr.	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.		55.55	Rupees Fifty Five And Paise Fifty Five Only	<b>55.55</b>
63	1	Mtr.	Making trench in Hard Murrum / Tar Road of suitable width of 90 cm or required depth for laying any size of cable or locating the fault all over the run and back filling the same and making the surface as normal ground.		74.74	Rupees Seventy Four And Paise Seventy Four Only	<b>74.74</b>
	1	Mtr.	(B) If additional machinery like hammer driller or JCB use [Add]		357.54	Rupees Three Hundred Fifty Seven And Paise Fifty Four Only	<b>357.54</b>
64			Drilling the road without breaking the road surface (Asphalt) for laying of cable for feeding power supply by making up to following size of holes at both ends complete.				

	1	Mtr.	(A) Up to 100 mm bore dia		492.88	Rupees Four Hundred Ninety Two And Paise Eighty Eight Only	<b>492.88</b>
65			Replacing old and u/s by 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 in existing trench for laying of cable. below ground / road surface for enclosing cable				
	1	Mtr.	(A)50 mm outer dia		62.62	Rupees Sixty Two And Paise Sixty Two Only	<b>62.62</b>
	1	Mtr.	(B)63mm outer dia		73.73	Rupees Seventy Three And Paise Seventy Three Only	<b>73.73</b>
	1	Mtr.	(C)90 mm outer dia		95.95	Rupees Ninety Five And Paise Ninety Five Only	<b>95.95</b>
	1	Mtr.	(D)120 mm outer dia.		137.36	Rupees One Hundred Thirty Seven And Paise Thirty Six Only	<b>137.36</b>
66			Locating Underground Cable Fault of Underground Cable including digging, pin pointing with cable route tracker bu using cable fault location equipment like cable fault Van/Vehicle with supportive meters and accessories & doing high pressure testing of cable for checking healthiness of cable with suitable equipment after jointing of the faulty cable (excluding jointing kit) with report of showing distance from main source approx.				
	1	JOB	(a) LT Cable 35 sq.mm and above		6847.80	Rupees Six Thousand Eight Hundred Forty Seven And Paise Eighty Only	<b>6,847.80</b>

	1	JOB	(b) HT Cable		7704.28	Rupees Seven Thousand Seven Hundred Four And Paise Twenty Eight Only	<b>7,704.28</b>
67			Disconnecting the cable connection and Providing straight joint with PVC mould using heat shrink /cast resin type epoxy compound Insulating material and making the joint complete using necessary in line connectors, hardener, earth continuity connection, spacers etc. and reconnecting the same & ensure the joint resistance within the limits as per IS.				
	1	Ea.	(A) up to 25 Sq mm Cable		1083.73	Rupees One Thousand Eighty Three And Paise Seventy Three Only	<b>1,083.73</b>
	1	Ea.	(B) 35 to 95 Sq. mm cable.		1550.35	Rupees One Thousand Five Hundred Fifty And Paise Thirty Five Only	<b>1,550.35</b>
	1	Ea.	(C) 120 to 300 Sq. mm cable.		2654.28	Rupees Two Thousand Six Hundred Fifty Four And Paise Twenty Eight Only	<b>2,654.28</b>
68			Disconnecting the cable connection and Providing T joint with PVC mould using heat shrink /cast resin type epoxy compound Insulating material and making the joint complete using necessary in line connectors, hardener, earth continuity connection, spacers etc. and reconnecting the same & ensure the joint resistance within the limits as per IS.				
	1	Ea.	(A) up to 25 Sq mm Cable		1403.90	Rupees One Thousand Four Hundred Three And Paise Ninety Only	<b>1,403.90</b>

	1	Ea.	(B) 35 to 95 Sq. mm cable.		1900.82	Rupees One Thousand Nine Hundred And Paise Eighty Two Only	<b>1,900.82</b>
	1	Ea.	(C) 120 to 300 Sq. mm cable.		3031.01	Rupees Three Thousand Thirty One And Paise One Only	<b>3,031.01</b>
69			Replacing old and u/s by Providing and fixing approved make Perforated C type cable tray. Made from sheet steel. The cable tray should be single or double bended as per required and as per IS 2062/1079 and shall be coated with hot dip galvanizing as per IS 2629/4759. with max 17.5% perforation with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erection with necessary support( included) as per Specification and as per instruction of engineer in charge..				
	1	Rmt.	(4) 200 X 50 X 1.6 mm Thick		496.92	Rupees Four Hundred Ninety Six And Paise Ninety Two Only	<b>496.92</b>
	1	Rmt.	(5) 300 X 50 X 2.0 mm Thick		622.16	Rupees Six Hundred Twenty Two And Paise Sixteen Only	<b>622.16</b>
	1	Rmt.	(6) 450 X 50 X 2.0 mm Thick		801.94	Rupees Eight Hundred One And Paise Ninety Four Only	<b>801.94</b>
70	1	Ea.	Replacing old and u/s by Providing and erecting Approved make Ceiling fan with double ball bearing ISI mark with condenser A.C. 230V.50 Hz.1200 mm. sweep complete, canopy erected on existing hook or clamp with earthing. [Make shall be approved by Engineer in charge]		1596.81	Rupees One Thousand Five Hundred Ninety Six And Paise Eighty One Only	<b>1,596.81</b>

71	1	Ea.	Replacing old and u/s by Providing & erecting Approved make Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C.50 Hz 1200 mm sweep complete having 3 blades aluminium body and blade sets having ornamental design shanks , canopy erected with earthing. [ Make shall be approved by Engineer in Charge]		2311.89	Rupees Two Thousand Three Hundred Eleven And Paise Eighty Nine Only	<b>2,311.89</b>
72	1	Ea.	Replacing old and u/s by Providing & erecting Approved make Ceiling Fan with double ball bearing with Condenser 230 volt A.C.50 Hz. 900 mm sweep complete having 3 Aluminium blades, canopy erected complete. [ Make shall be approved by Engineer in Charge]		1982.63	Rupees One Thousand Nine Hundred Eighty Two And Paise Sixty Three Only	<b>1,982.63</b>
73			Replacing old and u/s by Supply, Installation, Testing and Commissioning of suitable sweep, BEE 5 Star rated, Ceiling fan with Brush Less Direct Current (BLDC) permanent ferrite magnet Motor, class of insulation: B, Rust free 3 nos.Aluminium blades, 2 nos. canopies, shackle kit with earthing provision, copper winding, Power factor not < 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM,230v (tolerance as per IS : 374-2019), THD < 10%, with remote unit for Speed Control and all remaining accessories including safety pin, nut bolts, washers, temperature rise = 75 °C (Max.), suitable for 140 to 285 Voltage and rectifier circuit with surge, over current and overload protection , 50 Hz, Single phase AC Supply, earthing etc. Complete as required.[ Make shall be approved by Engineer in Charge]				
	1	Ea.	(A)900 mm sweep (36")		2799.72	Rupees Two Thousand Seven Hundred Ninety Nine And Paise Seventy Two Only	<b>2,799.72</b>
	1	Ea.	(B) 1200 mm Sweep (48")		2885.57	Rupees Two Thousand Eight Hundred Eighty Five And Paise Fifty Seven Only	<b>2,885.57</b>

74	1	Mtr.	Replacing old and u/s by Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.		108.07	Rupees One Hundred Eight And Paise Seven Only	<b>108.07</b>
75	1	Ea.	Replacing old and u/s by Supplying & erecting Fan Hook of 10 mm M.S. Round bar grouted in RCC slab with Making the site as original.		43.43	Rupees Forty Three And Paise Forty Three Only	<b>43.43</b>
76	1	Ea.	Replacing old and u/s by Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.		108.07	Rupees One Hundred Eight And Paise Seven Only	<b>108.07</b>
77	1	Ea.	Replacing old and u/s by Providing Fan clamp of 30 x 5 mm flat of required length & 10 mm M.S. Bolt & Nuts erected with necessary hook of 10 mm M.S. Round Bar.		98.98	Rupees Ninety Eight And Paise Ninety Eight Only	<b>98.98</b>
78	1	Ea.	Replacing old and u/s by Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.		18.18	Rupees Eighteen And Paise Eighteen Only	<b>18.18</b>
79	1	Ea.	Replacing old and u/s by Supplying Table fan approved make A.C. 230V, 50 Hz. 40 cm. sweep oscillating complete with 3 mtrs. of 3core round flexible wire and 3 pin plug top. [ Make shall be approved by Engineer in Charge]		1841.23	Rupees One Thousand Eight Hundred Forty One And Paise Twenty Three Only	<b>1,841.23</b>
80			Replacing old and u/s by Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame.				
	1	Ea.	200mm with 1350RPM Cat.II		1366.53	Rupees One Thousand Three Hundred Sixty Six And Paise Fifty Three Only	<b>1,366.53</b>

	1	Ea.	250mm with 1350 RPM Cat.II		1703.87	Rupees One Thousand Seven Hundred Three And Paise Eighty Seven Only	<b>1,703.87</b>
81			Replacing old and u/s by Supplying & erecting single phase approved make industrial exhaust fan suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM				
	1	Ea	[A] 300-305 mm dia 900 RPM Cat.II		2054.34	Rupees Two Thousand Fifty Four And Paise Thirty Four Only	<b>2,054.34</b>
	1	Ea	[B] 380 mm dia 900 RPM Cat.II		2740.13	Rupees Two Thousand Seven Hundred Forty And Paise Thirteen Only	<b>2,740.13</b>
82	1	Ea.	Replacing old and u/s by Supplying and erecting approved make Bracket fan of 230 volt, A.C. 50 Hz., 400/450 mm sweep complete erected on wall or with lead Cores and connections complete. Cat.III		2105.85	Rupees Two Thousand One Hundred Five And Paise Eighty Five Only	<b>2,105.85</b>
83	1	Ea.	Replacing old and u/s by Supplying and erecting approved make oscillating type bracket fan A.C. 230V. 50 Hz 400/450 mm sweep wall mounted with height adjustment and rotary tilting device complete with guard, flexible Core plug top complete erected with lead wires as directed. Cat.III		2534.09	Rupees Two Thousand Five Hundred Thirty Four And Paise Nine Only	<b>2,534.09</b>
84	1	Ea.	Replacing old and u/s by Supplying and erecting approved make pedestal fan A.C. 230V. 50 Hz. 400 mm sweep oscillating, type and adjustable, height complete with guard regulator, & standard lead flexible wires and plug top. Cat.III		2141.20	Rupees Two Thousand One Hundred Forty One And Paise Twenty Only	<b>2,141.20</b>



85	1	Ea.	Replacing condenser for ceiling fan/ Exhaust Fan / Pedestal Fan / Table Fan / Cabin Fan {Credit of D.M. retained by Agency.}		64.64	Rupees Sixty Four And Paise Sixty Four Only	<b>64.64</b>
86	1	Ea.	Replacing old and u/s by Supplying & erecting Galvanized M.S pipe post "B" class 88.9 mm O.D 4 mtr. Long duly painted with two coats of aluminium paint complete with metallic base plate of 300 mm x 300 mm x 4mm thick for using as a compound light pole with approx. weight 32 Kg.		3225.94	Rupees Three Thousand Two Hundred Twenty Five And Paise Ninety Four Only	<b>3,225.94</b>
87	1	Ea.	Replacing old and u/s by Supplying & erecting Galvanized M.S pipe post "B" class 88.9 mm O.D 6 mtr. Long duly painted with two coats of aluminium paint complete with metallic base- plate of 300 mm x 300 mm x 4mm thick for using as a compound light pole with approx. weight 47 Kg.		4440.97	Rupees Four Thousand Four Hundred Forty And Paise Ninety Seven Only	<b>4,440.97</b>
88			Replacing old and u/s by Supplying and erecting approved make Octagonal pole made from HR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/2633/4759, suitable suspend local wind speed with integral Junction box consist of terminal plate of min 6mm Hylam sheet, standard profile 35mmX7.5mm Din-Rail for MCB Mounting, stud type terminal and arrangement for cable termination to be erected With Suitable foundation (Included) as per details given by manufacturer considering site requirement.				
	1	Ea.	(C) 5 Mtr. Long 70 mm Top X 130 mm bottom dia, 3 mm thickness with 200mmX200mmX12mm base plate, 4-M16 Bolts and 600mm long with necessary G.I. J Bolts .Approx Pole weight 46 kg		7561.87	Rupees Seven Thousand Five Hundred Sixty One And Paise Eighty Seven Only	<b>7,561.87</b>
	1	Ea.	(D) 6 Mtr. Long 70 mm Top X 135 mm bottom dia, 3 mm thickness with 200mmX200mmX12mm base plate, 4-M20 Bolts and 600mm long with necessary G.I. J Bolts .Approx Pole weight 59 kg		9011.22	Rupees Nine Thousand Eleven And Paise Twenty Two Only	<b>9,011.22</b>

	1	Ea.	(E) 7 Mtr. Long 70 mm Top X 135 mm bottom dia, 3 mm thickness with 225mmX225mmX16mm base plate, 4-M20 Bolts and 600mm long with necessary G.I. J Bolts .Approx Pole weight 67 kg		12553.29	Rupees Twelve Thousand Five Hundred Fifty Three And Paise Twenty Nine Only	<b>12,553.29</b>
	1	Ea.	(G) 8 Mtr. Long 70 mm Top X 155 mm bottom dia, 3 mm thickness with 260mmX260mmX16mm base plate, 4-M20 Bolts and 600mm long with necessary G.I. J Bolts Approx Pole weight 84 kg		15411.59	Rupees Fifteen Thousand Four Hundred Eleven And Paise Fifty Nine Only	<b>15,411.59</b>
	1	Ea.	(I) 10 Mtr. Long 70 mm Top X 175 mm bottom dia, 4 mm thickness with 275mmX275mmX16mm base plate, 4-M24 Bolts and 750mm long with necessary G.I. J Bolts .Approx Pole weight 145 kg		21750.35	Rupees Twenty One Thousand Seven Hundred Fifty And Paise Thirty Five Only	<b>21,750.35</b>
	1	Ea.	(K) 12 Mtr. Long 90 mm Top X 240 mm bottom dia, 4 mm thickness with 320mmX320mmX20mm base plate, 4-M24 Bolts and 850mm long with necessary G.I. J Bolts .Approx Pole weight 230 kg		32065.48	Rupees Thirty Two Thousand Sixty Five And Paise Forty Eight Only	<b>32,065.48</b>
89	1	Ea.	Providing 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 45 x 45 x 100 cm. Deep in below ground level with plinth of 45 cm x 45 cm (or 45 cm dia x 45 cm) high upper ground level with necessary curing and finishing in approved manner. ( for 4 & 6 mtr pole)		809.01	Rupees Eight Hundred Nine And Paise One Only	<b>809.01</b>
90	1	Ea.	Providing 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 60 x 60 x 120 cm. Deep in below ground level with plinth of 45 cm x 45 cm(or 45 cm dia x 45 cm) high upper ground level with necessary curing and finishing in approved manner. ( for 7.5 & 8/8.5 mtr pole)		1292.80	Rupees One Thousand Two Hundred Ninety Two And Paise Eighty Only	<b>1,292.80</b>

91			Replacing old and u/s by Supplying & erecting approved make SMC press moulded composite FRP. loop-in, loop-out approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box.				
	1	Ea.	(A) 300mm x 200mm x 100mm [deep]		898.90	Rupees Eight Hundred Ninety Eight And Paise Ninety Only	<b>898.90</b>
	1	Ea.	(B) 250mm x 200mm x 100mm [deep]		515.10	Rupees Five Hundred Fifteen And Paise Ten Only	<b>515.10</b>
	1	Ea.	(C)150mm x 125mm x 100mm [deep]		476.72	Rupees Four Hundred Seventy Six And Paise Seventy Two Only	<b>476.72</b>
	1	Ea.	(G) 250mm x 220mm x 135mm [deep]		1122.11	Rupees One Thousand One Hundred Twenty Two And Paise Eleven Only	<b>1,122.11</b>
	1	Ea.	(H) 300mm x 200mm x 135mm [deep]		1216.04	Rupees One Thousand Two Hundred Sixteen And Paise Four Only	<b>1,216.04</b>
92			Replacing old and u/s by Supplying & erecting approved make street light box comprising CNC Processed robust housing made from single sheet multi folded with high grade powder coating ( RAL-7032 Structure finish as Standard) of IP-55 degree of Protection Gasket(PU Gasketing) of following size of Box.				

	1	Ea.	(A) 350mm X 200 mm X 150 mm		1662.46	Rupees One Thousand Six Hundred Sixty Two And Paise Forty Six Only	<b>1,662.46</b>
	1	Ea.	(B) 300mm X 200 mm X 150 mm		1501.87	Rupees One Thousand Five Hundred One And Paise Eighty Seven Only	<b>1,501.87</b>
	1	Ea.	(C) 200mm X 150 mm X 100 mm		835.27	Rupees Eight Hundred Thirty Five And Paise Twenty Seven Only	<b>835.27</b>
93			Replacing old and u/s by Providing & erecting approved make street light / wall mounting junction box compression moulded from SMC (thermoset plastic) vertical sliding cover having locking with square head stud loop in / loop out in built terminal suitable for four core cable, waterproof of I.P. 54 protected with clamp or bolt nut & earth bolt of following size.				
	1	Ea	(A) 200mm x 127mm x 83 mm		356.53	Rupees Three Hundred Fifty Six And Paise Fifty Three Only	<b>356.53</b>
	1	Ea	(B) 250mm x 194mm x 99 mm		616.10	Rupees Six Hundred Sixteen And Paise Ten Only	<b>616.10</b>

94			Replacing old and u/s by Supplying and erecting Street light pole bracket comprising main B Class <b>GI pipe</b> of 4.2 cm/require outside dia. complete with suitable B Class G.I. sleeve tubing of approx. 45cms.length and suitable for 76.5mm/80mm/require size of pole top having nuts and bolts for fixing the brackets and having spread of 0.5 mtr. Length with 110 deg.with vertical plane and suitable welded stiffener reducer and nipple with check nut complete painted with one coat.of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms.				
	1	Ea	[A] Single Arm bracket 0.5 Mtr		491.87	Rupees Four Hundred Ninety One And Paise Eighty Seven Only	<b>491.87</b>
	1	Ea	[B] Double Arm Bracket 0.5 Mtr		622.16	Rupees Six Hundred Twenty Two And Paise Sixteen Only	<b>622.16</b>
95			Replacing old and u/s by Supplying and erecting B class Galvanized iron pipe having smooth finished bore of the pipe on both ends erected nuts and bolts along the pole / wall shaping the pipe as per site requirement. Pipe dia as following.				
	1	Mtr.	(A) 25 mm dia		180.79	Rupees One Hundred Eighty And Paise Seventy Nine Only	<b>180.79</b>
	1	Mtr.	(B) 32 mm dia		215.13	Rupees Two Hundred Fifteen And Paise Thirteen Only	<b>215.13</b>
	1	Mtr.	(C) 40 mm dia.		249.47	Rupees Two Hundred Forty Nine And Paise Forty Seven Only	<b>249.47</b>

96	1	Ea	Replacing old and u/s by Supplying and erecting B class galvanised iron pipe 32 mm outside dia 45 cm long duly welded on 20 cm x 20 cm x 3 mm thick M.S. base plate, erected on wall or corner for mounting street light luminaire with necessary hardware materials duly painted.		343.40	Rupees Three Hundred Forty Three And Paise Forty Only	<b>343.40</b>
97			Replacing old and u/s by Supplying & erecting IP 55 grade following size section pillar fabricated from joint less M.S. Sheet with angle iron legs made from jointless M.S. Angle with cable clamps to be buried in ground to have appropriate erection to work uniform until erected with cement concrete foundation and 45 cm high bricks work finishing with plaster etc. hinged double door internally supported on both side,				
			with internal and outside looking arrangement with lock and keys in duplicate 35 x 35 x 5 mm M.S. Angle of Two Nos. one is welded and other with nut and bolt for erecting Bakelite sheet. Painting the Section Pillar inside and out side with three tank powder coated paint. section pillar roof should be without joint with water leakage proof & tested as per IP 55 test & followed by IS 2147 of 1962				
	1	Ea.	(A) 150 X 90 X 75 cm section pillar fabricated from 14 Gauge MS Sheet with angle iron legs 95 cm long made from 40 X 40 X 6 mm thick MS angle.		16691.26	Rupees Sixteen Thousand Six Hundred Ninety One And Paise Twenty Six Only	<b>16,691.26</b>
	1	Ea.	(B) 75 X 60 X 45 cm section pillar fabricated from 16 Gauge MS Sheet with angle iron legs 45 cm long made from 35 X 35 X 5 mm thick MS angle.		3595.60	Rupees Three Thousand Five Hundred Ninety Five And Paise Sixty Only	<b>3,595.60</b>
98	1	Sq.Mtr	Replacing old and u/s by Supplying and erecting nuwood 12 mm thick on existing angle iron frame.		291.89	Rupees Two Hundred Ninety One And Paise Eighty Nine Only	<b>291.89</b>

99	1	Sq.Mtr	Replacing old and u/s by Providing and fixing 19 mm thick commercial plywood / block board in cupboard shutter side top bottom with beading patti, necessary fixtures and fastenings as per instruction by engineer in charge.		600.95	Rupees Six Hundred And Paise Ninety Five Only	<b>600.95</b>
100	1	cu.m	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth		3698.62	Rupees Three Thousand Six Hundred Ninety Eight And Paise Sixty Two Only	<b>3,698.62</b>
101	1	Ea.	Painting of street light pole having post top lantern complete with primer with two coats of Aluminium paint.		215.13	Rupees Two Hundred Fifteen And Paise Thirteen Only	<b>215.13</b>
102	1	Ea.	Replacing old and u/s by Supplying & erecting approved make time switch with single pole air break contacts suitable for 230 V.15/16A.complete with self starting motor driven clock 'ON' & 'OFF' automatic arrangement at any predetermined time during each 24 hours,With nickel cadmium rechargeable battery backup erected as directed.		2354.31	Rupees Two Thousand Three Hundred Fifty Four And Paise Thirty One Only	<b>2,354.31</b>
103	1	Ea.	Replacing old and u/s by Supplying & erecting approved make Digital time switch having lithium cell 6 years operative and operate battery backup 1 channel day clock with 14 memory programme, suitable to operate on 240V + 5%, 16A with, floating contacts Minimum switching setup time 1 minimum & LCD display. Also comprised permanent ON/OFF switching. Programming switches & housed in fire proof thermoplastic enclosure & transparent cover erected as required with necessary connection erected as directed.		3168.37	Rupees Three Thousand One Hundred Sixty Eight And Paise Thirty Seven Only	<b>3,168.37</b>
104			Replacing old and u/s by Supplying & erecting power contactor ,AC3 duty for time switch complete erected as per direction Cat III				
	1	Ea	(A) 2 Pole 250V 12 Amp.		796.89	Rupees Seven Hundred Ninety Six And Paise Eighty Nine Only	<b>796.89</b>

	1	Ea	(B) 2 pole 250V 32 Amp.		1883.65	Rupees One Thousand Eight Hundred Eighty Three And Paise Sixty Five Only	<b>1,883.65</b>
	1	Ea	(C) 4 pole 440V 16 Amp.		857.49	Rupees Eight Hundred Fifty Seven And Paise Forty Nine Only	<b>857.49</b>
	1	Ea	(D) 4 pole 440V 40 Amp.		2782.55	Rupees Two Thousand Seven Hundred Eighty Two And Paise Fifty Five Only	<b>2,782.55</b>
105	1	Job	Carryout routine maintenance and servicing of L.T. cubical panel board having approximately 15 to 22 Nos. of switches cleaning and servicing the contacts with CRC, tightening the connections of incoming and outgoing cables. and hacking the operating mechanism for smooth functioning of switches. and putting them in smooth working order.		2140.19	Rupees Two Thousand One Hundred Forty And Paise Nineteen Only	<b>2,140.19</b>
106	1	Sq.Mtr.	<p>Servicing, overhauling, cleaning of the panel board LT by liquid EPNF-065™ technology , after scanning the single side of panel by thermal scanning technology. Thermal scanning technology includes measuring temperature before and after servicing by each &amp; every space of the panel board.</p> <p>One side of panel must be cleaned by Air Compressor Capacity 2.5 to 3.5 HP Motor, 1 or 3 phase, 230v, Air tank having capacity approx 50 kg with latest moisture filter, spray gun having EPNF-065™ liquid. The work having time constraints of 2 to 5 minutes single side of the panel. After finishing work agency has to provide 3 photographs or to provide 2 minutes video. Dust or any waste material must be collected by agency in the bottom of panel board by non woven fabrics material or any scientific materiel. Agency has to carry out work in presence of site in charge engineer &amp; to complete the work as per site in charge engineer.</p>		4864.16	Rupees Four Thousand Eight Hundred Sixty Four And Paise Sixteen Only	<b>4,864.16</b>



			( Consider Measurement MIN. Sq.Mtr. ) Scope Of Work :-a) liquid Cleaning, b) blowing by compressor & Cleaning, c) Thermal Scanning,d) Photograph & Videos e) Supervision by authorized Engineer.				
107	1	Job	Carrying out the testing of earth fault and overload relay by authorized person ,on L.T. side. by removing the fault of relay by checking the trip devices, control wiring and putting the same in working order with test report		2140.19	Rupees Two Thousand One Hundred Forty And Paise Nineteen Only	<b>2,140.19</b>
108	1	Per Earth Pit	Measurement of earthing resistance by loop test with authorized test report after isolating & cleaning joint.		428.24	Rupees Four Hundred Twenty Eight And Paise Twenty Four Only	<b>428.24</b>
109	1	Sq. Mtr.	Replacing old and u/s by Supplying & fixing Steel Chequered Plate having 12 mm thickness, duly painted with two coats of black Japan colour. (Average Wt 200.3 kg / Sq.Mtr)		5780.23	Rupees Five Thousand Seven Hundred Eighty And Paise Twenty Three Only	<b>5,780.23</b>
110	1	per kva	Carrying out energy audit by BEE energy accredited energy auditor/firm for the entire electrical /mechanical system/equipment /installation consuming energy by measurement of various parameters to measure present energy consumption and providing energy auditor detail report with necessary suggestions for improvement with safety report with payback period per kva of contract demand.		642.36	Rupees Six Hundred Forty Two And Paise Thirty Six Only	<b>642.36</b>
#NAME?						<b>TOTAL</b>	<b>557693.72</b>

Contractor's signature

Deputy Executive Engineer  
Ahmedabad Electrical Sub-Division  
R&B Deptt., Ahmedabad.

**Name of Work :Annual Rate Contract of the E.I for Ahmedabad Electrical Division No.1,  
Ahmedabad.(For One Year)**

**Name of Agency :- M/S.**\_\_\_\_\_

I / We am / are willing to carry out the work at \_\_\_\_\_ % Below / Above  
\_\_\_\_\_ (should be written in Figures and Words) the tendered amount  
mentioned above,Amount of my / our tender work out as under

**Put Tender Rs.- 557693.72**

Deduct \_\_\_\_\_ % Rs. \_\_\_\_\_

Below

Total Rs. \_\_\_\_\_

In Words. \_\_\_\_\_

Less for Dismantal Material Rs. \_\_\_\_\_

Net Rs. \_\_\_\_\_

In Wards. \_\_\_\_\_

**Put Tender Rs.- 557693.72**

Add \_\_\_\_\_ Rs. \_\_\_\_\_

Above

Total Rs. \_\_\_\_\_

In Words. \_\_\_\_\_

Less for Dismantal Material Rs. \_\_\_\_\_

Net Rs. \_\_\_\_\_

In Wards. \_\_\_\_\_

- (A) I / We hereby declare that / We have visited the site and fully requisite my self / our selves with the local situation regarding materials, labour and other factors pertaining to work before submitting tender.
- (B) I / We hereby declare that I / We have carefully studied the condition of contract,Detailed specification and other tender document of the work and agree to execute the same accordingly.

**NOTES :-**

- [1] The Rates are inclusive all taxes,transport charges,octroi duty and storages up to date.
- [2] The materials covered for wiring should be got approved from Dy.Executive Engineer in charge of the work.
- [3] The materials and work shall have to be used and carried out as specification in technical naote.
- [4] All works shall be carried out as per public works Department hand book and other specification of the Division of as directed.
- [5] Rate are inclusive of 1% labour cess in tender amount so 1% of total amount of bill will be deducted from the bill.
- [6] The Agency will have to submit certificate on latter pad that Cable used in the work has been used from ISI certified cable drum as per Note of S.E. (Elect) R.&B. Department,Gandhinagar's No.4241,Date:-23/09/2008.
- [7] Dismenatal value will not be quoted below the estimate rate.

**FOR TESTING OF MATERIAL:-**

- [1] Material is to be used in work should be got approved by in charge E.E.  
Sample of material to be used in the work is required to be tested at L.D.Engineering College of from the approved Government Research Institute,which is must sample required to be submit as per requirement of L.D.Engineering College or the approved Government Research Institute.In case of cable and wire 3 meters of sample and and for fluorescent fitting 5 Nos of ballast with 2 nos fluroscent lamp.may be required for testing no payment will be made on account of sample material consideration while quoting the tender,Actual paid by agency for testing of material will be paid by the department.Agency is requested to contact L.D.Engineering College or from the approved Government Research Institute to understand their requirement for testing of material.

**Contracor's Signature.**

**Deputy Executive Engineer  
Ahmedabad Electrical Sub Division  
R.&B.Department,Ahmedabad.**