

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
**[Electrical Division]**  
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**E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in**

**PRICE BID FOR THE WORK UNDER SL. NO :- 05 AS PER IFB**

**NAME OF THE WORK :- SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF LIGHTNING PROTECTION SYSTEM AT DIFFERENT BUILDINGS OF G.M UNIVERSITY, SAMBALPUR.**

**BID REF NO :- 91/PM/ELECT/OPHWC/2023-24**

**NAME  
& ADDRESS  
OF THE FIRM**

**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>A</b>	<b>AUDITORIUM BUILDING</b>				
1	<b>40002089</b> Lightning Strike Counter Supply, Installation, Testing & Commissioning of non-electronic & non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.	NO	1	27250	27,250.00
2	<b>40002095</b> Supply, Installation, Testing & Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	3	16650	49,950.00

3	<b>40002098</b> Supply, connection & Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode & Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge	MTR	25	<b>154.73</b>	3,868.25
4	<b>40002101</b> Supply, Installation, Testing & Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement & complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	1	<b>18665</b>	18,665.00
5	<b>40002720</b> Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make- KEI/FINOLEX/HAVELLS)	MTR	50	<b>1041.47</b>	52,073.50

6	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast</b> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	145450	145,450.00
					<b>297,256.75</b>
<b>B</b>	<b>MIS-INE-DR NARAYANI PANDA CENTRE</b>				
8	<p><b>40002089</b>  <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.  <b>Engineer-in-Charge.</b></p>	NO	1	27250	27,250.00
9	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	3	16650	49,950.00

10	<b>40002098</b> Supply, connection & Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode & Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge	MTR	70	<b>154.73</b>	10,831.10
11	<b>40002101</b> Supply, Installation, Testing & Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement & complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	1	<b>18665</b>	18,665.00
12	<b>40002720</b> Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)	MTR	75	<b>1041.47</b>	78,110.25

13	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast</b> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	145450	145,450.00
					<b>330,256.35</b>
<b>C</b>	<b>MIS-INE-EKALABYA GIRLS HOSTEL</b>				
15	<p><b>40002089</b>  <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.  <b>Engineer-in-Charge.</b></p>	NO	1	27250	27,250.00
16	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories.</b>  <b>Make :- ABB / STAR-X / UNIVERSAL</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	3	16650	49,950.00

17	<b>40002098</b> Supply, connection & Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode & Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge	MTR	60	<b>154.73</b>	9,283.80
18	<b>40002101</b> Supply, Installation, Testing & Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement & complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	1	<b>18665</b>	18,665.00
19	<b>40002720</b> Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)	MTR	70	<b>1041.47</b>	72,902.90

20	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast</b> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	145450	145,450.00
					<b>323,501.70</b>
<b>D</b>	<b>MIS-INE-EKALABYA HOSTEL</b>				
22	<p><b>40002089</b>  <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.  <b>Engineer-in-Charge.</b></p>	NO	1	27250	27,250.00
23	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	3	16650	49,950.00

24	<b>40002098</b> Supply, connection & Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode & Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge	MTR	70	<b>154.73</b>	10,831.10
25	<b>40002101</b> Supply, Installation, Testing & Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement & complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	1	<b>18665</b>	18,665.00
26	<b>40002720</b> Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)	MTR	70	<b>1041.47</b>	72,902.90



27	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast</b> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	145450	145,450.00
					<b>325,049.00</b>
<b>E</b>	<b>MIS-INE-HERITAGE BUILDING</b>				
29	<p><b>40002089</b>  <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.  <b>Engineer-in-Charge.</b></p>	NO	7	27250	190,750.00
30	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories.</b>  <b>Make :- ABB / STAR-X / UNIVERSAL</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	21	16650	349,650.00

31	<b>40002098</b> Supply, connection & Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode & Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge	MTR	210	<b>154.73</b>	32,493.30
32	<b>40002101</b> Supply, Installation, Testing & Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement & complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	7	<b>18665</b>	130,655.00
33	<b>40002720</b> Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)	MTR	350	<b>1041.47</b>	364,514.50

34	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast</b> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	7	145450	1,018,150.00
					<b>2,086,212.80</b>
<b>F</b>	<b>MIS-INE-LIBRARY BUILDING</b>				
36	<p><b>40002089</b>  <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.  <b>Engineer-in-Charge.</b></p>	NO	1	27250	27,250.00
37	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories.</b>  <b>Make :- ABB / STAR-X / UNIVERSAL</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	3	16650	49,950.00

38	<b>40002098</b> Supply, connection & Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode & Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge	MTR	30	<b>154.73</b>	4,641.90
39	<b>40002101</b> Supply, Installation, Testing & Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement & complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	1	<b>18665</b>	18,665.00
40	<b>40002720</b> Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)	MTR	70	<b>1041.47</b>	72,902.90

41	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast</b> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	145450	145,450.00
					<b>318,859.80</b>
<b>G</b>	<b>MIS-INE-NEW ADMINISTRATIVE BUILDING</b>				
43	<p><b>40002089</b>  <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.  <b>Engineer-in-Charge.</b>  <b>Ground Floor</b></p>	NO	1	27250	27,250.00
44	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories.</b>  <b>Make :- ABB / STAR-X / UNIVERSAL</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.  <b>Ground Floor</b></p>	NO	3	16650	49,950.00

45	<b>40002098</b> Supply, connection & Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode & Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge Ground Floor	MTR	45	<b>154.73</b>	6,962.85
46	<b>40002101</b> Supply, Installation, Testing & Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement & complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Ground Floor	NO	1	<b>18665</b>	18,665.00
47	<b>40002720</b> Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS) Ground Floor	MTR	70	<b>1041.47</b>	72,902.90

48	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.</b>  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b>  <b>Ground Floor</b></p>	NO	1	145450	145,450.00
					<b>321,180.75</b>
<b>H</b>	<b>MIS-INE-OPEN UNIVERSITY BUILDING</b>				
50	<p><b>40002086</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-30))type Lightning Air Terminal.</b>  <b>Supporting Mast The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.</b>  <b>Protection Radius :- 48 Mtr Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	99250	99,250.00

51	<b>40002089</b> <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.</b>	NO	1	<b>27250</b>	27,250.00
52	<b>40002095</b> <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b>	NO	3	<b>16650</b>	49,950.00
53	<b>40002098</b> <b>Supply, connection &amp; Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode &amp; Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge</b>	MTR	35	<b>154.73</b>	5,415.55



54	<p><b>40002101</b>  Supply, Installation, Testing &amp; Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement &amp; complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	18665	18,665.00
55	<p><b>40002720</b>  Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)</p>	MTR	50	1041.47	52,073.50
					<b>252,604.05</b>
<b>I</b>	<b>MIS-INE-PG HOSTEL</b>				
57	<p><b>40002089</b>  Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.</p>	NO	1	27250	27,250.00

58	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	3	16650	49,950.00
59	<p><b>40002098</b>  <b>Supply, connection &amp; Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode &amp; Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge</b></p>	MTR	1	154.73	154.73
60	<p><b>40002101</b>  <b>Supply, Installation, Testing &amp; Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement &amp; complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	18665	18,665.00
61	<p><b>40002720</b>  <b>Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)</b></p>	MTR	70	1041.47	72,902.90

62	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.</b>  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	145450	145,450.00
					<b>314,372.63</b>
<b>J</b>	<b>MIS-INE-PHD HOSTEL</b>				
64	<p><b>40002086</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-30))type Lightning Air Terminal.</b>  <b>Supporting Mast The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.</b>  <b>Protection Radius :- 48 Mtr Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	99250	99,250.00

65	<b>40002089</b> <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.</b>	NO	1	<b>27250</b>	27,250.00
66	<b>40002095</b> <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b>	NO	3	<b>16650</b>	49,950.00
67	<b>40002098</b> <b>Supply, connection &amp; Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode &amp; Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge</b>	MTR	60	<b>154.73</b>	9,283.80

68	<p><b>40002101</b>  <b>Supply, Installation, Testing &amp; Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement &amp; complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	18665	18,665.00
69	<p><b>40002720</b>  <b>Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)</b></p>	MTR	60	1041.47	62,488.20
					<b>266,887.00</b>
<b>K</b>	<b>MIS-INE-SCHOOL OF ANTHROPOLOGY &amp; PSYCOLOGY</b>				
71	<p><b>40002089</b>  <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.</b></p>	NO	1	27250	27,250.00

72	<p><b>40002095</b>  Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	3	16650	49,950.00
73	<p><b>40002098</b>  Supply, connection &amp; Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode &amp; Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge</p>	MTR	70	154.73	10,831.10
74	<p><b>40002101</b>  Supply, Installation, Testing &amp; Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement &amp; complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	18665	18,665.00
75	<p><b>40002720</b>  Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)</p>	MTR	70	1041.47	72,902.90

76	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast</b> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	145450	145,450.00
					325,049.00
<b>L</b>	<b>MIS-INE-SCHOOL OF EDUCATION</b>				
78	<p><b>40002086</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-30))type Lightning Air Terminal.</b>  <b>Supporting Mast</b> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.  <b>Protection Radius :- 48 Mtr Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	99250	99,250.00

79	<b>40002089</b> <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.</b>	NO	1	<b>27250</b>	27,250.00
80	<b>40002095</b> <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b>	NO	3	<b>16650</b>	49,950.00
81	<b>40002098</b> <b>Supply, connection &amp; Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode &amp; Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge</b>	MTR	30	<b>154.73</b>	4,641.90



82	<p><b>40002101</b>  <b>Supply, Installation, Testing &amp; Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement &amp; complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	18665	18,665.00
83	<p><b>40002720</b>  <b>Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)</b></p>	MTR	50	1041.47	52,073.50
					<b>251,830.40</b>
<b>M</b>	<b>MIS-INE-SCHOOL OF MANAGEMENT</b>				
85	<p><b>40002086</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-30))type Lightning Air Terminal. Supporting Mast The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area. Protection Radius :- 48 Mtr Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	99250	99,250.00

86	<b>40002089</b> <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.</b>	NO	1	<b>27250</b>	27,250.00
87	<b>40002095</b> <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b>	NO	3	<b>16650</b>	49,950.00
88	<b>40002098</b> <b>Supply, connection &amp; Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode &amp; Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge</b>	MTR	45	<b>154.73</b>	6,962.85

89	<p><b>40002101</b>  Supply, Installation, Testing &amp; Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement &amp; complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	18665	18,665.00
90	<p><b>40002720</b>  Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)</p>	MTR	45	1041.47	46,866.15
					<b>248,944.00</b>
<b>N</b>	<b>MIS-INE-SILVER JUBLIE HOSTEL</b>				
92	<p><b>40002089</b>  Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.</p>	NO	1	27250	27,250.00

93	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	3	<b>16650</b>	49,950.00
94	<p><b>40002098</b>  <b>Supply, connection &amp; Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode &amp; Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge</b></p>	MTR	60	<b>154.73</b>	9,283.80
95	<p><b>40002101</b>  <b>Supply, Installation, Testing &amp; Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement &amp; complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	<b>18665</b>	18,665.00
96	<p><b>40002720</b>  <b>Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)</b></p>	MTR	65	<b>1041.47</b>	67,695.55

97	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast</b> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	145450	145,450.00
					<b>318,294.35</b>
<b>O</b>	<b>MIS-INE- TRUST FIND</b>				
99	<p><b>40002089</b>  <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.  <b>Engineer-in-Charge.</b></p>	NO	1	27250	27,250.00
100	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	3	16650	49,950.00

101	<b>40002098</b> Supply, connection & Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode & Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge	MTR	45	<b>154.73</b>	6,962.85
102	<b>40002101</b> Supply, Installation, Testing & Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement & complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	1	<b>18665</b>	18,665.00
103	<b>40002720</b> Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)	MTR	60	<b>1041.47</b>	62,488.20

104	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.</b>  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	145450	145,450.00
					<b>310,766.05</b>
<b>P</b>	<b>MIS-INE- WOMEN'S HOSTEL</b>				
106	<p><b>40002086</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-30))type Lightning Air Terminal.</b>  <b>Supporting Mast The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.</b>  <b>Protection Radius :- 48 Mtr Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	99250	99,250.00

107	<b>40002089</b> <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.</b>	NO	1	<b>27250</b>	27,250.00
108	<b>40002095</b> <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b>	NO	3	<b>16650</b>	49,950.00
109	<b>40002098</b> <b>Supply, connection &amp; Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode &amp; Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge</b>	MTR	50	<b>154.73</b>	7,736.50



110	<p><b>40002101</b>  <b>Supply, Installation, Testing &amp; Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement &amp; complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	18665	18,665.00
111	<p><b>40002720</b>  <b>Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)</b></p>	MTR	60	1041.47	62,488.20
					<b>265,339.70</b>
<b>Q</b>	<b>MIS-INE- WOMEN'S HOSTEL-3</b>				
113	<p><b>40002089</b>  <b>Lightning Strike Counter Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.</b></p>	NO	1	27250	27,250.00

114	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	3	<b>16650</b>	49,950.00
115	<p><b>40002098</b>  <b>Supply, connection &amp; Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode &amp; Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge</b></p>	MTR	60	<b>154.73</b>	9,283.80
116	<p><b>40002101</b>  <b>Supply, Installation, Testing &amp; Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement &amp; complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</b></p>	NO	1	<b>18665</b>	18,665.00
117	<p><b>40002720</b>  <b>Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)</b></p>	MTR	70	<b>1041.47</b>	72,902.90

118	<p><b>40002739</b>  <b>Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-60)type Lightning Air Terminal.</b>  <b>Supporting Mast</b> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.  <b>Protection Radius :- 79-107Mtr Make :- ABB / STROMKING</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	1	145450	145,450.00
					<b>323,501.70</b>
					6,879,906.03
	<b>Cess @ 1%</b>				68,799.06
	Total Estimated Cost				<b>6,948,705.09</b>
	Total Estimated Cost in Figures				<b>6,948,705.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
	Quoted Amount in Figure				
	Quoted Amount in word				

N:B- The Estimated cost is exclusive of GST .

**Signature of Tenderer with seal**

**Sd/-**  
**Asst. Project Manager (Elect)**

**Sd/-**  
**D.M (Elect) I/C**

**Sd/-**  
**Project Manager(Elect.)**