



Swastik Engineering

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ELECTRICAL ENGINEERS & CONTRACTORS

Regd. Off:- Bldg. No. 172/5720, Kannamwar Nagar-1, Vikhroli (E), Mumbai - 400 083.
Corporate Off.: 200/2960, Tagore Nagar 8-B, Near Yashwant Hospital, Vikhroli (E), Mumbai - 400 083.
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Date-28 /09/2022

To,

Vidya Vikas Education Society,

Kannamwar Nagar 2,

Vikhroli East, Mumbai -400083

Subject- Electrical Audit Report.

We are M/S Swastik Engineering done Electrical Audit by dated 25th Sept.2022 and attached detail Audit Report here with checked all Electrical distribution and were as rectification that will be done ok and all distribution found ok.



For,

Swastik Engineering

Specialist in:
Electrial / HT / LT Structural Works, Underground Cables, Over Head Lines & Industrial Installation.

**AUDIT REPORT
FOR
ELECTRICAL WORK**

**VIDYA VIKAS EDUCATION SOCIETY
KANNMIWAR NAGAR, OPPOSITE RAVINDRA MHATRE UDYAN,
VIKHROLI (EAST), MUMBAI - 400 083.**

SWASTIK ENGINEERING

Regd Off :- Bldg No. 172/5720 Kannmwar Nagar 1, Vikhroli (East), Mumbai - 400 083.
Corporate Off :- 200/2960, Tagore Nagar 8 - B, Near Yashwant Hospital, Vikhroli (East),
Mumbai - 400 083.

VISHVA VIRAS EDUCATION SOCIETY

A.2 - The Reliance metering details for main Building are as follows :

Sl. No.	Meter Serial No.	Loads Catered	Supply from	Remark	Remark for Work Done
1	Old- 7890377 New- 9151393 Ac No- 102557735	First Floor Loads	Three wires from 200 A I/P Switch Outgoing Terminals	Supply through 4 x 31 Amps Protection fuse links to meter incoming	Change to 100 A Meter
2	Old- 7895187 New- 9151394 Ac No- 102557729	Ground & Second Floor Loads	Three wires from 200 A I/P Switch Outgoing Terminals	Direct connection to meter incoming without fuses	
3	Old- 789521 New- 9149864 Ac No- 102557732	Third & Fourth Floor Loads	Three wires from 200 A I/P Switch Outgoing Terminals	Direct connection to meter incoming without fuses	
4	Load Currents at incoming of 200 A Siemens switch fuse box - R phase - 98.2 Amps, Y phase - 57.1 Amps, B phase - 58.0 Amps, Neutral 35.4Amps.	Temperatures were Normal between 30, 32, 32.7 & 33 deg C	Proper design of Distribution Boards & outgoing circuits is needed	Load currents show load distribution unbalance. R phase is more loaded & neutral also carries sizable current	

(A.3) Outgoing Load Details for Meter Old- 07890377 - First Floor : New-9151393

Outgoings	To	Location	Currents in Amps	Temp in Deg C	Remarks	Remark for Work Done
OG 1a : 3 phase	4 pole/ 40 amps, Indokop MCB	First Floor Lab MLT	For OG 1a +1b (I/C) R - 15.6 A Y - 29.94 A B - 04.9 A N - 28.47 A	For OG 1a +1b (I/C) R - 36.2 Y - 38.6 C B - 40.0 C N - 42 C	Load Unbalanced, Y phase overloaded. 40 amps MCB should be replaced by 63amps	Load Balanced
OG 1a : 3 phase, tapped from OG 1a incoming side	4 Pole/63 amps, Siemens MCB	(a) First Floor Biotech lab & (b) Lift Power Supply through 4 P 63 Amps legrand MCB			Lift Supply should be separate & should not be combined with other loads.	Lift supply done separate



OG 2 : 3 phase	4Pole / 63 amps, Legrand MCB	For First Floor load DB, cable routed through Wall shaft	R - 9.49 A Y 1.72 A B 9.85 A N 6.59 A	R - 35 C, Y - 40 C, B - 38 C, N - 46 C	Load Unbalanced, R & B phase overloaded Temp high at Y phase relative to load	Load Balanced
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(A.4) Outgoing Load Details for Meter Old- 07895187-Ground & Sec

Outgoings	To	Location	Currents in Amps	Temp in Deg C	Remarks	Remark for Work Done
OG 1a : 3 phase	4 pole/ 125 amps, Siemens MCB, Gold Plus	To Ground floor s / Cable routed through meter room wall	For OG 1a + 1b (I/C) R - 54.7 A Y - 10.6 A B - 13.3 A N - 38.7 A	For OG 1a + 1b(I/C) R - 40 C, Y - 43 C, B - 36 C, N - 35 C	Load Unbalanced, R phase overloaded	Load Balanced
OG 1a : 3 phase tapped from I/C side of OG 1a Gold Plus MCB	4 Pole/63 amps, Indokop MCB	Second Floor Loads			Lift Supply should be separate & should not be combined with other loads.	Lift supply done separate
OG 2 : 3 phase	TPN, 32 A, Trishul Make Switch fuse unit	The switch has two outgoing circuits. Circuit 1 for 3 phase water pump in pump room & circuit 2 single phase to ground floor toilet room	R - 3.5 A Y - 3.4 A B - 3.6 A N - 0.00 A	R - 30 C, Y - 29 C, B - 29 C, N - 46 C	Such tapping of different circuits should be avoided. This is possible with proper DB for each meter	All CKXTS are separated
OG 3 : single phase tapped from Y phase of Meter outgoing	40 ADP standard make MCB	The MCB has three outgoing circuits. Circuit 1 through DP 40 A legrand MCB for Halogen lamp for outside wall, circuit 2 for entrance tube light through 6g, PVC DB & circuit 3 for Choke which is not in use	Y - 0.68 A N - 0.69 A	Y - 31 C, N - 29 C	Such tapping of different circuits should be avoided. This is possible with proper DB for each meter	All CKXTS are separated

(A.5) Outgoing Load Details for Meter Old-07869521- New-9139861 Third & Fourth Floors : The load distribution on this meter is very

Outgoings	To	Location	Currents in Amps	Temp in Deg C	Remarks	Remark for Work Done
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OG 1a : 3 phase	4 pole/ C-40 / 40 amps. Siemens MCB for ground floor compound lights	The 40 A, 4 P MCB is tapped from incoming side to Indokop DP 32 A MCB for lift lights. Another wire is connected to one SP MCB (rating of MCB not available) which in turn connected to one DP 40 A MCB for pump room light. The DP 40 A MCB is tapped from incoming side to C 10 Hagger SP MCB which is further connected to	Currents were taken at C 40, 4 P MCB for compound lighting R - 2.2 A, Y - 0.8 A, B - 5.0 A, N - 2.68 A. Loads need to be balanced	Temperature is normal within 30deg C	Very complicated wiring & many intermittent MCBs can be removed & can be made simpler.	All load done separate
OG 2 : 3 phase	G 2, 4 Pole/63 Amps, GE switch fuse unit	For Third & Fourth Floor loads. From outgoing of G2, /63 A GE SFU, one 4 core cable goes directly to third floor through wheel & second wire is connected to 4 P, 250 Amps KEW switch fuse unit. This second wire 10 sq mm copper is jointed to a cable & the cable is terminated in the 250 A KEW SFU. The second wire is very hot	Currents taken at G2, 40A, 4 P GE SFU income for 3 rd & 4 th floor combined loads R - 56.3 A Y - 10.4 A B - 31.7 A N - 41.5 A Loads need to be balanced	Currents taken at 4 P, 250 A KEW SFU for only 4 th floor loads. R - 45.5 A, Y - 6.9 A, B - 27.20A, N - 33.8 A, Loads need to be balanced	The distribution is very complex. The ratings of the switches / MCBs have need to be reworked. The 250 A KEW SFU should have been used for combined & 4 th floor loads & 63 Amps GE SFU for only 3 rd floor loads which are smaller. The temperatures were normal.	

(B.1) Load Distribution on Main Building Ground Floor :

(B.1.1) Ground Floor Main DB located in passage near Admin office room 4 : Meter No - 9151394

Sr.No.	Description	Rating	Quantity	Remarks	Remark for Work Done	
1	Incomer	4 Pole, MCB	125 A	1		
2	Outgoings R phase	SP MCB	ratings 6A to 32 A	11		DB changed in two parts
3	Outgoings Y phase	SP MCB	ratings 6A to 32 A	11		
4	Outgoings B phase	SP MCB	ratings 6A to 32 A	11		
5	supply	SP MCB	6A	2		



(B.1.2) Main Building Ground Floor - President's Office : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	8 sets x 2 each	36	576	Normal Piano Switches 6 A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6 A	OK
3	AC Split /1.5 tons	1	1800	1800	Minimum 32 A DP MCB switch socket should be used instead 20 A. The copper wire should be 6 sq. mm. minimum	Work done as per the remark
4	Spot lamps	3	10	30	Normal Piano Switches 6 A	OK
5	TV	2	250	500	Minimum 15 Amps Switch socket should be used	Work done as per the remark
6	CCTV	2	150	300	Minimum 15 Amps Switch socket should be used	Work done as per the remark
7	The room switchboard should have minimum 32 A DP MCB as Incomer	The DB outgoings MCB ratings should be as per remarks column				Work done as per the remark
Total				3.51kw		

(B.1.3) Main Building Ground Floor - ACO Office next to President's Office : Loads Meter No- 9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	8 sets x 2 each	36	576	Normal Piano Switches 6 A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6 A	OK
3	AC Split /1.5 tons	1	1800	1800	Minimum 32 A DP MCB switch socket should be used instead 20 A. The copper wire should be 6 sq. mm. minimum	Work done as per the remark
4	Spot lamps	1	10	10	Normal Piano Switches 6 A	OK
5	TV	2	250	500	Minimum 15 Amps Switch	Work done as per the remark
6	CCTV	1	150	150	Minimum 15 Amps Switch	Work done as per the remark
7	The room switchboard should have minimum 32 A DP MCB as Incomer	The DB outgoings MCB ratings should be as per remarks column				Work done as per the remark
Total				3.34kw		

(B.1.4) Main Building Ground Floor - Reception Room : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2	36	72	Normal Piano Switches 6 A	OK



2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	Wall Fan	1	100	100	Normal Piano Switches 6 A	OK
Total				0.32kw		

(B.1.5) Main Building Ground Floor - PA 's Office (Mr. Mangaokar Sir) : Loads Meter-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2	36	72	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	Work done as per the remark
3	PC	1	100	100	Minimum 15 Amps switch socket should be used	Work done as per the remark
4	AC 1.5	1	1800	1800		
Total				2.12kw		

(B.1.6) Main Building Ground Floor - Reception passage near entrance/ near admin office : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Spot lights	31	18	558	Normal Piano Switches 6 A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6 A	OK
3	Spot lights	7	10	70	Normal Piano Switches 6 A	OK
Total				0.93kw		

(B.1.7) Main Building Ground Floor - Admin Office : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	3	36	108	Normal Piano Switches 6 A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6 A	OK
3	PC	1	100	100	Minimum 15 Amps switch socket should be used	Work done as per the remark
4	Printer Bigger Type	1	250	250	Minimum 15 Amps switch socket should be used	Work done as per the remark
Total				0.76kw		

(B.1.8) Main Building Ground Floor - Admin Office Inside Room : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2	36	72	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	Printer Smaller Type	1	100	100	Minimum 15 Amps switch socket should be used	Work done as per the remark
Total				0.32kw		

(B.1.9) Main Building Ground Floor - Clerks' Office # 1 : Loads Meter No-9151394



Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2	36	72	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	300	Normal Piano Switches 6 A	OK
3	PC	2	100	200	Minimum 15 Amps switch socket should be used	Work done as per the remark
4	Printer Bigger Type	2	150	300	Minimum 15 Amps switch socket should be used	Work done as per the remark
5	Wall Fan	1	100	100	Normal Piano Switches 6 A	OK
Total				0.97kw		

(B.1.10) Main Building Ground Floor - Adikshak's office : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	1	36	36	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	Cooler	1	300	300	Minimum 15 Amps switch socket should be used	Work done as per the remark
Total				0.49kw		

(B.1.11) Main Building Ground Floor - Clerks' office # 2 /L Shaped : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5	36	180	Normal Piano Switches 6 A	OK
2	Ceiling Fan	3	150	450	Normal Piano Switches 6 A	OK
3	Printer Smaller Type	3	100	300	Minimum 15 Amps switch socket should be used	Work done as per the remark
4	Printer Smaller Tyoe	3	150	450	Minimum 15 Amps switch socket should be used	Work done as per the remark
Total				1.38kw		

(B.1.12) Main Building Ground Floor - Admin Office (Vikas College) next to room 9 : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1 x 40 W	4	40	160	Normal Piano Switches 6 A	OK
2	Tube lights 2 x 40 W	2	80	160	Normal Piano Switches 6 A	OK
3	Ceiling Fan	3	150	450	Normal Piano Switches 6 A	OK
4	PC	4	100	400	Minimum 15 Amps switch socket should be used	Work done as per the remark
5	Scanner Printer	2	150	300	Minimum 15 Amps switch socket should be used	Work done as per the remark



6	Wall Fan	2	100	200	Normal Piano Switches 6 A	OK
Total				1.67kw		

(B.1.13) Main Building Ground Floor - Toilet Block in Passage : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4	36	144	Normal Piano Switches 6 A	OK
2	Exhaust Fan	2	100	200	5/15 Amps Switch socket should be used	Work done as per the remark
Total				0.34kw		

(B.1.14) Main Building Ground Floor - Accounts Office (LHS) - room 6 with cabin, near main Accounts Office :
Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1 x 40 W	2	80	80	Normal Piano Switches 6 A	OK
2	Tube lights in cabin 2 x 40 W	1	80	80	Normal Piano Switches 6 A	OK
3	Ceiling Fan	4	150	600	Normal Piano Switches 6 A	OK
4	PC	4	100	400	Minimum 15 Amps switch socket should be used	Work done as per the remark
5	Exhaust Fan	1	100	100	5/15 Amps Switch socket should be used	Work done as per the remark
6	Wall Fan	2	100	200	Normal Piano Switches 6 A	OK
7	1 AC	1	1800	1800		
Total				3.26kw		

(B.1.15) Main Building Ground Floor - Passage: Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	9	36	324	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	CFL Bulbs (on ceiling) 2 x 40 W	1	36	36	Normal Piano Switches 6 A	OK
Total				0.51kw		

(B.1.16) Main Building Ground Floor - Conference Hall : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 2 x 40 W	7 sets x 2 each	40	560	Normal Piano Switches 6 A	OK



2	Tube lights 1 x 40 W	8	40	320	Normal Piano Switches 6 A	OK
3	Ceiling Fan	4	150	600	Normal Piano Switches 6 A	OK
4	Exhaust Fan	2	100	200	5/15 Amps switch socket should be used	Work done as per the remark
5	AC Split / 1.5 tons	2	1800	3600	Minimum 32 A DP MCB switch socket should be used instead 20 A The copper wire should be 6 sq mm minimum	MCB & CKT changed
6	Projector Point	1	50	50	Normal Piano Switches 6 A	OK
7	Sound System	1	200	200	Minimum 15 Amps switch socket should be used	Work done as per the remark
8	The room switchboard should have minimum 32 A DP MCB as Incomer	The DB outgoings MCB ratings should be as per remarks column				MCB changed
Total				5.53kw		

(B.1.17) Main Building Ground Floor - Office of Sanchalak Conference Room : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5	40	200	Normal Piano Switches 6 A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6 A	OK
3	AC Split / 1.5 tons	1	1800	1800	Minimum 32 A DP MCB switch socket should be used instead 20A. The copper wire should be 6 sq mm minimum	MCB & CKT changed
4	Mirror lamp	1	18	18	Normal Piano Switches 6 A	OK
Total				2.32kw		

(B.1.18) Main Building Ground Floor - Cabin in Office of Sanchalak : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	3	40	200	Normal Piano Switches 6 A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6 A	OK
3	AC Split / 1.5 tons	1	1800	1800	Minimum 32 A DP MCB switch socket should be used instead 20 A. The copper wire should be 6 sq mm minimum.	MCB & CKT changed
4	PC	1	250	200	Minimum 15 Amps switch socket should be used	Work done as per the remark
5	CCTV	1	150	150	Minimum 15 Amps switch socket should be used	Work done as per the remark



6	Printer	1	150	150	Minimum 15 Amps switch socket should be used	Work done as per the remark
7	The conference room + cabin switchboard should have minimum 32 A DP MCB as Incomer	The DB outgoings MCB ratings should be as per remarks column				MCB changed
Total				2.8kw		

(B.1.19) Main Building Ground Floor - Main Accounts Office : Loads Meter No-7797200

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1 x 40 W	8	40	320	Normal Piano Switches 6 A	OK
2	Ceiling Fan	4	150	600	Normal Piano Switches 6 A	OK
3	PC	6	100	600	Minimum 15 Amps switch socket should be used	Work done as per the remark
4	Printer	2	150	300	Minimum 15 Amps switch socket should be used	Work done as per the remark
5	Scanner	1	150	150	Minimum 15 Amps switch socket should be used	Work done as per the remark
6	This office receives supply from hall Building meter through Genertor room switch					
Total				1.97kw		

(B.1.20) Main Building Ground Floor - Accounts Office (Mr. Dewvsh Sir) : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1 x 40 W	3	40	40	Normal Piano Switches 6 A	OK
2	Ceiling Fan	4	150	600	Normal Piano Switches 6 A	OK
3	PC	4	100	400	Minimum 15 Amps Plug socket should be used	Work done as per the remark
4	Printer	1	150	150	Minimum 15 Amps switch socket should be used	Work done as per the remark
5	AC	1	1800	1800		
Total				2.99kw		

(C.1) Load Distribution on Main Building First Floor:

(C.1.1) Main Building First Floor Main DB located in front of student Council Room : Loads Meter No-9151393

Sr.No.	Description	Rating	Quantity	Remarks	Remark for Work Done
1	Incomer Indokopp	4 Pole, MCB	125 A	1	DB Changed in two part.
2	Outgoings R phase	SP MCB	Mixd rating 20A to 32 A	8	
3	Outgoings Y phase	SP MCB	Mixd rating 20A to 32 A	8	
4	Outgoings B phase	SP MCB	Mixd rating 20A to 32 A	8	
5	Outgoings Three phase Supply	4 P MCB	40 A	1	



(C.1.2) Main Building First Floor Passage, L Shaped : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1 x 40 W	13	40	520	Normal Piano Switches 6 A	OK
2	PA system	1	250	250	Minimum 15 Amps switch socket should be used	Work done as per the remark
3	EPBAX Board	1	50	50	Minimum 15 Amps Plug socket should be used	Work done as per the remark
Total				0.82kw		

(C.1.3) Main Building First Floor Computer Maintenance Room No 114 : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1 x 40 W	1	40	40	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	EPBAX Board	1	50	50	Minimum 15 Amps Plug socket should be used	Work done as per the remark
4	CCTV DVR	1	150	150	Minimum 15 Amps switch socket should be used	Work done as per the remark
Total				0.39kw		

(C.1.4) Main Building First Floor MLT Lab (supply direct from ground floor meter Old- 07890377 - 4 P , 40 Amps Indokopp MCB : Loads

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	13 sets x 2 each	40	1040	Normal Piano Switches 6 A	OK
2	Tube lights	4 sets x 1 each	40	160	Normal Piano Switches 6 A	OK
3	Ceiling Fan	7	150	1050	Normal Piano Switches 6 A	OK
4	AC Split / 1.5 tons	2	1800	3600	Minimum 32 A DP MCB switch socket should be used instead 20 A. The copper wire should be 6 sq mm minimum	MCB & CKT changed
5	Exhaust Fan	1	100	100	5/15 Amps switch socket should be used	Work done as per the remark
6	Auto Clave	2	750	1500	Minimum 15 Amps switch socket should be used	Work done as per the remark
7	Distillatin Unit	1	250	250	Minimum 15 Amps switch socket should be used	Work done as per the remark
8	Power point sockets 5/15 Amps	15			To be used as & when required	Points changed for used
Total				7.70kw		



(C.1.5) Main Building First Floor Chemistry Lab, UG - Room No 31 : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	13 sets x 2 each	40	480	Normal Piano Switches 6 A	OK
2	Ceiling Fan	4	150	600	Normal Piano Switches 6 A	OK
3	Exhaust Fan	4	100	400	5/15 Amps switch socket should be used	Work done as per the remark
4	PC	1	100	100	Minimum 15 Amps Plug socket should be used	Work done as per the remark
5	Printer	1	150	150	Minimum 15 Amps switch socket should be used	Work done as per the remark
6	Power point sockets 5/15 Amps	5			To be used as & when required	Points changed for used
7	Twin Socket Board 6 Amps	13			To be used as & when required	Points changed for used
Total				1.73kw		

(C.1.6) Main Building First Floor Biotech Lab : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	15 sets x 2 each	40	1200	Normal Piano Switches 6 A	OK
2	Tube lights	1 sets x 1 each	40	40	Normal Piano Switches 6 A	OK
3	Ceiling Fan	7	150	1050	Normal Piano Switches 6 A	OK
4	AC Split /1.5 tons	2	1800	3600	Minimum 32 A DB MCB switch socket should be used instead 20 A. The copper wire should be 6 sqmm minimum	MCB & CKT changed
5	Hot air oven	1	600	600	15 Amps switch socket should be used	Work done as per the remark
6	Auto Clave	1	750	750	15 Amps switch socket is used. Cable gets hot, which should be checked for terminations	Work done as per the remark
7	Distillation water plant	1	250	250	15 Amps switch socket is used	Work done as per the remark
8	Power point sockets 5/1	10			15 Amps switch socket should be used	Points changed for used
9	Heater	2	1000	2000	15 Amps switch socket is used. Cable gets hot, which should be checked for terminations	Work done as per the remark
10	PC	1	100	100	Minimum 15 Amps Plug socket should be used	Work done as per the remark
11	Printer	1	150	150	Minimum 15 Amps switch socket should be used	Work done as per the remark
Total				9.74kw		



(C.1.7) Main Building First Floor Class Room 1 (next to UG): Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1*40 W	6	40	240	Normal Piano Switches-6A	OK
2	Ceiling Fan	4	150	600	Normal Piano Switches-	OK
Total				0.84kw		

(C.1.8) Main Building First Floor Class Room 2 : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1*40 W	6	40	240	Normal Piano Switches-6A	OK
2	Ceiling Fan	4	150	600	Normal Piano Switches-	OK
Total				0.84kw		

(C.1.9) Main Building First Floor Student Counseling Room No 33 : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1*40 W	2	40	80	Normal Piano Switches-6A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches-	OK
Total				0.23kw		

(C.1.10) Main Building First Floor Stock Room No 34 : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1*40 W	2	40	80	Normal Piano Switches-6A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches-	OK
Total				0.23kw		

(C.1.11) Main Building First Floor Gents' Toilet Block : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1*40 W	2	40	80	Normal Piano Switches-6A	OK
2	Exhaust Fan	1	100	100	5/15 Amps switch socket should be used	Work done as per the remark
Total				0.18kw		

(C.1.12) Main Building First Floor Ladies' Toilet Block : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1*40 W	2	40	80	Normal Piano Switches-6A	OK
Total				0.08kw		

(C.1.13) Main Building First Floor Language Lab : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1*40 W	9	40	360	Normal Piano Switches-6A	OK



2	Ceiling Fan	3	150	450	Normal Piano Switches 6A	OK
3	Tube lights 1*40 W Emergency DG supply	1	40	40	Normal Piano Switches 6A	OK
Total				0.85kw		

(C.1.15) Main Building First Floor Computer Lab No 2 (VCE Lab) : Loads Meter No-07797200 (Hall Meter)

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	9 sets *1 each	40	360	Normal Piano Switches 6A	OK
2	Ceiling Fan	3	150	450	Normal Piano Switches 6A	OK
3	AC Split/1.5 tons	1	1800	1800	Minimum 32 A DP MCB switch socket should be used instead 20.A.The copper wire should be 6 sq mm minimum	MCB & CKT changed
4	Scanner	1	150	150	15 Amps switch socket is used	work done as per the remark
5	Projector	1	250	250	15 Amps switch socket is used	work done as per the remark
6	PC	17	100	1700	Minimum 15 Amps plug socket should be used	work done as per the remark
7	Printer	1	150	150	Minimum 15 Amps switch socket should be used	work done as per the remark
8	The lab has DB with DP 40 A MCB as incomer & 6 nos 10 A SP MCB as outgoing				The DB is also provided with Voltage stabiliser	Making load extention,not required
Total				4.86kw		

(C.1.16) Main Building First Floor Computer Lab No 1 (part of lab 2) : Loads Meter No-07797200

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	7 sets *1 each	40	280	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	AC Split/1.5 tons	1	1800	1800	Minimum 32 A DP MCB switch socket should be used instead 20.A.The copper wire should be 6 sq mm minimum	MCB & CKT changed
4	Projector	1	250	250	15 Amps switch socket is used	work done as per the remark
5	PC	23	100	2300	Minimum 15 Amps plug socket should be used	work done as per the remark



6	The lab DB receives supply from Hall building meter. The DB is with DP 32 A MCB as incomer & 10 A SP MCB as outgoing				The DB is also provided with voltage stabilizer. The front cover of this DB is Taken out & should be refitted. Cable dressing within DB is also needed. The supply to Lab 2 is also through this DB. This DB is provided with double earthing	Changed DB
Total				4.93kw		

(C.1.17) Main Building First Floor Editing Lab : Loads Meter No-9050006

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	7 sets *1 each	40	80	Normal Piano Switches-6A	OK
2	AC Split/1.5 tons	1	1800	1800	Minimum 32 A DP MCB switch socket should be used instead 20.A.The copper wire should be 6 sq mm minimum	MCB Changed
3	PC	12	100	2300	Minimum 15 Amps Plug socket should be used	work done as per the remark
4	The lab DB receives supply from. Tech Room meter. The room has 2 nos 32 A DP MCBs for AC & other loads. A 4 P 40 A MCB is installed just 20 the outside wall through which the supply is tapped for the DP MCBs inside					DB Changed
Total				4.18kw		

(C.1.18) Main Building First Floor Room 108/37 : Loads Meter No-9151393

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1*40 w	5	40	200	Normal Piano Switches-6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches-6A	OK
3	Xerox Machine	1	150	150	Minimum 15 Amps Plug socket should be used	work done as per the remark
4	Printer	1	150	150	Minimum 15 Amps Plug socket should be used	work done as per the remark
Total				0.80kw		

(C.1.19) Main Building First Floor Science Section Admin Office (+ internal room) Near Room 108/37 : Loads Meter No-9151393



Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	(2+1) sets*1 each	40	120	Normal Piano Switches 6A	OK
2	Ceiling Fan	1+1	150	300	Normal Piano Switches 6A	OK
3	Printer	1	150	150	15 Amps switch socket is used	work done as per the remark
4	PC	2	100	200	Minimum 15 Amps Plug socket should be used	work done as per the remark
5	Exhaust Fan	1	100	100	Minimum 15 Amps Plug socket should be used	work done as per the remark
Total				0.87kw		

(D.1) Load Distribution on Main Building Second Floor :

(D.1.1) Main Building Second Floor Main DB : Meter No-9151394

Sr.No.	Description	Rating	Quantity	Remarks	Remark for Work Done	
1	Incomer Bebtac	4 Pole, MCB	63 A	1	Earthing is not provided to this DB	work done as per the remark
2	Outgoings R phase	SP MCB	Mixed ratings	3		DB Changed in two part.
3	Outgoings Y phase	SP MCB	Mixed ratings	3		
4	Outgoings B Phase	SP MCB	Mixed ratings 32 A/	2		

(D.1.2) Main Building Second Floor Passage, L Shaped : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1*40 w	14	40	560	Normal Piano Switches 6A	OK
Total				0.56kw		

(D.1.3) Main Building Second Floor Clerks' Office near Principal's Office : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 sets*1 each	40	80	Normal Piano Switches 6A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6A	OK
3	Wall Fan	1	100	100	Normal Piano Switches 6A	OK
4	PC	1	100	100	Minimum 15 Amps Plug socket should be used	work done as per the remark
Total				0.43kw		

(D.1.4) Main Building Second Floor Principal's Office + Toilet Block : Loads Meter No-7890937 (Hall Building Meter)

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 + 1	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK



3	AC Split /1.5 tons	1	1800	1800	Minimum 32 A DP MCB switch socket should be used instead 20 A. The copper wire should be 6 sq mm minimum	MCB & CKT changed
4	PC	1	100	100	Minimum 15 Amps Switch socket should be used	work done as per the remark
5	CCTV	1	150	150	Minimum 15 Amps Switch socket should be used	work done as per the remark
6	Exhaust Fan in Toilet Block	1	100	100	Minimum 15 Amps Plug socket should be used	work done as per the remark
7	The supply to this office from Hall Building meter room					CKT Changed
Total				2.65kw		

(D.1.5) Main Building Second Floor Conference Room No 20/41 : Loads Meter No-7890937 (Hall Building Meter)

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	3	40	120	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	AC Split /1 tons	1	1200	1200	Minimum 32 A DP MCB switch socket should be used instead 20 A. The copper wire should be 6 sq mm minimum	MCB & CKT changed
4	PC	2	100	200	Minimum 15 Amps Switch socket should be used	work done as per the remark
5	Printer	1	150	150	Minimum 15 Amps Switch socket should be used	work done as per the remark
6	Emergency	1	40	40	Normal Piano Switches 6A	OK
7	The supply to this room from Hall Building meter room, through 4 P, 63 A MCB outside the room & SP switchboard inside the room					DB Changed With CKTS
Total				2.01kw		

(D.1.6) Main Building Second Floor Examination Room Near Room 20/41 : Loads Meter No-7890937 (Hall Building Meter)

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4	40	160	Normal Piano Switches 6A	OK
2	Ceiling Fan	3	150	450	Normal Piano Switches 6A	OK
3	Printer	1	150	150	Minimum 15 Amps Switch socket should be used	work done as per the remark
4	PC (with separate)	1	100	100	Minimum 15 Amps Switch socket should be used	work done as per the remark



5	Xerox machine	1	150	150	Minimum 15 Amps Switch socket should be used	work done as per the remark
6	Emergency light	1	40	40	Normal Piano Switches 6A	OK
7	2, nos bells are provided in the passage					OK
8	A.C. 1.5	1	1800	1800		
Total				2.85kw		

(D.1.7) Main Building Second Floor Staff Room No 39 : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set* 1 each	40	160	Normal Piano Switches 6A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6A	OK
3	Tube lights emergency	1	40	40	Normal Piano Switches 6A	OK
4	PC	1	100	100	Minimum 15 Amps Plug socket should be used	work done as per the remark
Total				0.45kw		

(D.1.8) Main Building Second Floor Ladies' Toilet : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set* 1 each	40	80	Normal Piano Switches 6A	OK
2	Exhaust Fan	1	100	100	Minimum 15 Amps Plug socket should be used	work done as per the remark
Total				0.18kw		

(D.1.9) Main Building Second Floor Common Staff Room : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set* 1 each	40	160	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1	40	40	Normal Piano Switches 6A	OK
4	Exhaust Fan For Toilet block inside the staff room	1	100	100	Minimum 15 Amps Plug socket should be used	work done as per the remark
5	Tube lights CFL	2	18	36	Normal Piano Switches 6A	OK
Total				0.64kw		

(D.1.10) Main Building Second Floor Gents ' Toilet : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	1 set* 1 each	40	40	Normal Piano Switches 6A	OK
2	Exhaust Fan	1	100	100	Minimum 15 Amps Plug socket should be used. The fan is not in working condition	work done as per the remark



Total				0.14kw		
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(D.1.11) Main Building Second Floor Class Room No 38 : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set* 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1	40	40	Normal Piano Switches 6A	OK
Total				0.54kw		

(D.1.12) Main Building Second Floor Class Room No 37 : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set* 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1	40	40	Normal Piano Switches 6A	OK
Total				0.54kw		

(D.1.13) Main Building Second Floor Class Room No 36 : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set* 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1	40	40	Normal Piano Switches 6A	OK
Total				0.54kw		

(D.1.14) Main Building Second Floor MSC Lab - Room No 35 : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set* 1 each	40	160	Normal Piano Switches 6A	OK
2	Ceiling Fan	4	150	600	Normal Piano Switches 6A	OK
3	AC Split / 1.5 tons	2	1800	3600	Minimum 32 A DP MCB switch socket should be used instead 20 A. The copper wire should be 6 sq mm minimum	MCB Changed with CKT
4	PC Hot air oven	1	600	600	15 Amps switch socket should be used. Earthing to oven to be verified	Work done as per the remark
5	incubators	3	750	2250	15 Amps switch socket should be used	Work done as per the remark
6	Digital balance	1	150	150	15 Amps switch socket should be used	Work done as per the remark
7	Power point socket 5 / 15 Amps	20			To be used as & when required	Work done as per the remark



8	Cooling centrifuge (C 24, Remi make)	1	1000	1000	15 Amps switch socket should be used	Work done as per the remark
9	Deep Freezer	1	500	500	Minimum 15 Amps Plug socket should be used	Work done as per the remark
10	Laminator Air Flow Machine	1	500	500	Minimum 15 Amps switch socket should be used	Work done as per the remark
11	CO2 Incubator	1	750	750	15 Amps switch socket is used which suits the load	Work done as per the remark
12	Orbit Shaker Incubator	1	750	750	15 Amps switch socket should be used	Work done as per the remark
13	Refrigerators (double door type)	2	750	1500	15 Amps Plug socket should be used	Work done as per the remark
Total				12.36kw		

(D.1.15) Main Building Second Floor MSC Lab - Room No 34 (next to room 35) : Loads Meter No-9151394

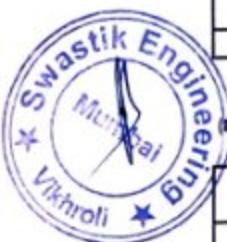
Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	1 set* 1 each	40	40	Normal Piano Switches 6A	OK
2	Tube lights	7 set* 2 each	40	560	Normal Piano Switches 6A	OK
3	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
4	Exhaust Fan	2	100	200	Minimum 15 Amps Plug socket should be used	Work done as per the remark
5	Auto Clave	2	750	1500	15 Amps switch socket should be used	Work done as per the remark
6	Distillation water plant	1	250	250	15 Amps switch socket should be used	Work done as per the remark
7	Power point socket 5 / 15 Amps	7			To be used as & when required	Changed & used regularly
8	Power Point 6 amps single socket boards	5			To be used as & when required	Changed & used regularly
9	Tube lights emergency	1	40	40	Normal Piano Switches 6A	OK
Total				2.89kw		

(D.1.16) Main Building Second Floor Physical Lab - Room No 46 : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	8 set* 1 each	40	320	Normal Piano Switches 6A	OK
2	Ceiling Fan	8	150	1200	Normal Piano Switches 6A	OK
3	Tube lights emergency	2	40	40	Normal Piano Switches 6A	OK
4	Power Point 6 amps single socket boards	22			To be used as & when required	Changed & used regularly
Total				1.56kw		

(D.1.17) Main Building Second Floor Science Lab Room No 33 : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set* 1 each	40	200	Normal Piano Switches 6A	OK



2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1	40	40	Only provision is made. Light fitting not provided. Normal Piano Switches - 6A	Changed & used regularly
4	Power Point 6 amps single socket boards	20			To be used as & when required	Changed & used regularly
5	Exhaust Fan	1	100	100	Minimum 15 Amps Plug socket should be used	Work done as per the remark
Total				0.64kw		

(D.1.18) Main Building Second Floor Staff Room / Head Master Room (with attached toilets) : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	9 set* 1 each	40	360	Normal Piano Switches 6A	OK
2	Ceiling Fan	4	150	600	Normal Piano Switches 6A	OK
3	Tube lights emergency	1	40	40	Only provision is made. Light fitting not provided. Normal Piano Switches - 6A	Changed & used regularly
Total				1.00kw		

(D.1.19) Main Building Second Floor Credit Society Office Room No 47 : Loads Meter No-9151394

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	1 set* 1 each	40	40	Normal Piano Switches 6A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6A	OK
3	Printer	1	150	150	Minimum 15 Amps Switch socket should be used	Work done as per the remark
4	PC	1	100	100	Minimum 15 Amps Plug socket should be used	Work done as per the remark
Total				0.44kw		

(E.1) Load Distribution on Main Building Third Floor :

(E.1.1) Main Building Third Floor Main DB : Loads Meter No-9139867

Sr.No.	Description	Rating	Quantity	Remarks	Remark for Work Done	
1	Incomer Indokopp	4 Pole, MCB	Xxx	1	Rating could not be ascertained	DB Changed in Two parts
2	Outgoings R phase	SP MCB	Mixed ratings xxx	4	Only one phase has outgoing circuits. 3 classrooms are covered on 1 MCB	All ckts also changed
3	Outgoings Y phase	SP MCB	Mixed ratings 20 A to 32 A	0		
4	Outgoings B phase	SP MCB	Mixed ratings 20 A to 32 A	0		
5	A three phase KWH meter is installed for internal use					



(E.1.2) Main Building Third Floor Passage, L shaped : Loads Meter No-9139867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights 1*40 W	9 + 3	40	520	Normal Piano Switches 6A	OK
Total				0.52kw		

(E.1.3) Main Building Third Floor Admin Office Room No 63 / 317 : Loads Meter No-9139867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	3 set * 1 each	40	120	Normal Piano Switches 6A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6A	OK
Total				0.27kw		

(E.1.4) Main Building Third Floor Class Room No 48 / 301 : Loads Meter No-9139867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set * 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	4	150	600	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	400	Normal Piano Switches 6A	OK
Total				1.20kw		

(E.1.5) Main Building Third Floor Class Room No 49 / 302 : Loads Meter No-9139867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set * 1 each	40	160	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.50kw		

(E.1.6) Main Building Third Floor Class Room No 50 / 303 : Loads Meter No-9139867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set * 1 each	40	160	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.50kw		

(E.1.7) Main Building Third Floor Class Room No 62 / 316 : Loads Meter No-9139867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set * 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	3	150	450	Normal Piano Switches 6A	OK



3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.69kw		

(E.1.8) Main Building Third Floor Class Room No 61 / 315 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set * 1 each	40	160	Normal Piano Switches 6A	OK
2	Ceiling Fan	3	150	450	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.65kw		

(E.1.9) Main Building Third Floor Class Room No 51 / 304 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set * 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	4	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.54kw		

(E.1.9) Main Building Third Floor Class Room No- 52 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set * 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.54kw		

(E.1.10) Main Building Third Floor Class Room No- 53 / 306 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set * 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.54kw		

(E.1.11) Main Building Third Floor Class Room No- 54 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set * 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.54kw		



(E.1.12) Main Building Third Floor Toilet Block for Gents & Ladies in front room- 54 : Loads for both blocks Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	3 set * 1 each	40	120	Normal Piano Switches 6A	OK
2	Exhaust Fan	2	100	100	Minimum 15 Amps Plug socket should be used.	Work done as per the remark
Total				0.22kw		

(E.1.13) Main Building Third Floor Class Room- 58 / 312 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	6 set * 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	3	150	450	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.69kw		

(E.1.14) Main Building Third Floor Class Room- 55 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set * 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.54kw		

(E.1.15) Main Building Third Floor Class Room- 56 / 309 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	7 set * 1 each	40	280	Normal Piano Switches 6A	OK
2	Ceiling Fan	3	150	450	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.77kw		

(E.1.16) Main Building Third Floor Class Room- 56 / 309 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set * 1 each	40	200	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
Total				0.50kw		

(E.1.17) Main Building Third Floor Supervisor Office Room No 311 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
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1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6A	OK
3	Printer	1	150	150	Minimum 15 Amps switch socket should be used	Work done as per the remark
4	PC	1	100	100	Minimum 15 Amps Plug socket should be used	Work done as per the remark
5	Exhaust Fan	1	100	100	Minimum 15 Amps Plug socket should be used	Work done as per the remark
Total				0.58kw		

(F.1) Load Distribution on Main Building Fourth Floor :

(F.1.1) Main Building Fourth Floor Main DB located outside room 12 C (VTPN DB) : The DB is installed in a room above water tank :
Meter No- 9839867

Sr.No.	Description	Rating	Quantity	Remarks	Remark for Work Done	
1	incomer Legrand supply from ground floor main building meter room	4 Pole, MCB	100	1	DB provided with digital Voltmeter, Ammeter, Frequency meter R Y B lamps	OK
2	Outgoings 3 phase	4 P MCB	63 A	6		OK
3	Outgoings single phase	DP MCB	40 A	10		OK

(F.1.2) Main Building Fourth Floor Class Room -108/ 408 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	3 set * 1 each	40	120	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.46kw		

(F.1.3) Main Building Fourth Floor Class Room -107/ 407 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set * 1 each	40	120	Normal Piano Switches 6A	OK
2	Ceiling Fan	5	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.46kw		

(F.1.4) Main Building Fourth Floor Class Room -106/ 406 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set * 1 each	40	120	Normal Piano Switches 6A	OK
2	Ceiling Fan	5	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.46kw		



(F.1.5) Main Building Fourth Floor Toilet Block in front of Room -106/ 406 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6A	OK
2	Exhaust Fan	1	100	100	Minimum 15 Amps Plug socket be used	OK
Total				0.18kw		

(F.1.6) Main Building Fourth Floor Career College Office Room -110/ 410 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set * 1 each	40	160	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Printer	1	150	150	Minimum 15 Amps Switch socket should	Work done as per the remark
4	PC	2	100	200	Minimum 15 Amps Plug socket should be	Work done as per the remark
5	Fax Machine	1	150	150	Minimum 15 Amps Switch socket should	Work done as per the remark
6	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
7	AC Split / 1.5 tons	1	1800	1800	Minimum 32 A DP MCB switch socket should be used instead 20 A	MCB Changed with ckt
Total				2.80kw		

(F.1.7) Main Building Fourth Floor Toilet Block Near Room- 110 / 410 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6A	OK
2	Exhaust Fan	2	100	100	Minimum 15 Amps Plug socket should be used.	Work done as per the remark
Total				0.18kw		

(F.1.8) Main Building Fourth Floor Class Room- 105 / 405 : Loads Meter No-9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set * 1 each	40	120	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
Total				0.46kw		

(F.1.9) Main Building Fourth Floor IT Lab 1, Room 102 / 404 : The Lab has a DB with 4P ELCB, 32 A, 100 m A as incomer & R / 6, Y / 4, B / 6 nos as outgoing MCBs out of which 2 nos MCB are 32 A for 2 nos AC units. The lab is without UPS / surge suppressors for computers.

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	6 set * 1 each	40	240	Normal Piano Switches 6A	OK



2	Ceiling Fan	3	150	450	Normal Piano Switches 6A	OK
3	PC	41	100	4100	Minimum 15 Amps Plug socket should be used	Work done as per the remark
4	Projector	1	150	150	Minimum 15 Amps Switch socket should be used	Work done as per the remark
5	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
6	AC Split / 1.5 tons	2	1800	3600	Minimum 32 A DP MCB switch socket should be used instead 20 A	MCB Changed with ckt
Total				8.58kw		

(F.1.10) Main Building Fourth Floor IT Lab 2, Room 103 /403 : Suply from IT Lab 1 DB Meter No- 9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	6 set * 1 each	40	240	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	PC	40	100	4000	Minimum 15 Amps Plug socket should be used	Work done as per the remark
4	Projector	1	150	150	Minimum 15 Amps Switch socket should be used	Work done as per the remark
5	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
6	AC Split / 1.5 tons	2	1800	3600	Minimum 32 A DP MCB switch socket should be used instead 20 A	MCB Changed with ckt
Total				8.33kw		

(F.1.11) Main Building Fourth Floor IT Lab 3, Room 102 /402 : Supply from IT Lab 1 DB Meter No- 9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set * 1 each	40	160	Normal Piano Switches 6A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6A	OK
3	PC	24	100	2400	Minimum 15 Amps Plug socket should be used	Work done as per the remark
4	Projector	1	150	150	Minimum 15 Amps Switch socket should be used	Work done as per the remark
5	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6A	OK
6	AC Split / 1.5 tons	1	1800	1800	Minimum 32 A DP MCB switch socket should be used instead 20 A	MCB Changed with ckt
Total				4.85kw		

(F.1.12) Main Building Fourth Floor Library Room 101 / Internal Staff Room Meter No- 9839867

Sr.No.	Description	Quantity	Wattage / eac	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6A	OK



2	Ceiling Fan	1	150	150	Normal Piano Switches 6A	OK
Total				0.23kw		

(F.1.13) Main Building Fourth Floor Library Room 101 / Common General Area: Meter No- 9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	20 set * 1 each	40	800	Normal Piano Switches 6A	OK
2	Ceiling Fan	11	150	1650	Normal Piano Switches 6A	OK
3	PC	8	100	800	Minimum 15 Amps Plug socket should be used	Work done as per the remark
4	Projector	1	150	150	Minimum 15 Amps Switch socket should be used	Work done as per the remark
5	Tube lights emergency	2 set * 1 each	40	80	Normal Piano Switches 6A	OK
6	Wall Fan	1	100	100	Normal Piano Switches 6A	OK
7	Printer	1	150	150	Minimum 15 Amps Switch socket should be used	Work done as per the remark
8	Xerox Machine	1	150	150	Minimum 15 Amps Switch socket should be used	Work done as per the remark
Total				3.88kw		

(F.1.14) Main Building Fourth Floor Library Internal Room 100: Meter No- 9839867

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	3 set * 1 each	40	120	Normal Piano Switches 6A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6A	OK
3	Wall Fan	1	100	100	Normal Piano Switches 6A	OK
Total				0.37kw		

(G.1.1) The Reliance metering details for Hall Building are as follows :

Sr. No.	Meter Serial No.	Loads Catered	Supply From	Remark	Remark for Work Done
1	7797200	For Hall loads at ground floor & Labs on first floor of main building Account Office	4 P, 63 A Indokopp MCB is provided for Hall loads & the MCB is tapped from it's incoming to another Legrand 4P 63 A MCB for Main building first floor Lab	Load currents at 63 Amps, Hall MCB outgoing - R phase : 12.7 Amps, Yphase : 22.3 Amps, B phase : 4.7 Amps, Netural 14.5 Amps. Loads unbalanced	Change in New panel as per the load



2	7890937	Loads of First Floor, Second & Third Floor of Hall Building Men Building 2nd Floor Principal Office Exam Room Conference Room	The supply is routed through one no indo Asan make, 4 P, 63 Amps MCB	Load current at 63 Amps, First Floor Lab MCB outgoing- R phase - 14.4 Amps, Y phase - 28.6 Amps, B phase - 14.8 Amps, Neutral 12.1 Amps. Load unbalanced	Change in New panel as per the load
3	Load currents at incoming of 200 A Siemens Switch fuse box-R phase : 33.13 Amps, Y phase : 60.10 Amps, B phase : 19.70 Amps, Neutral 33.90 Amps.	Temperatures were Normal between 32 Deg C for all phases.	Proper design of Distribution Boards outgoing circuits is needed	Load currents show load distribution unbalance. Y phase is more loaded & neutral also carries sizable	Change in New panel as per the load

(G.1.2) Hall Building Ground Floor - Hall Porch :

1	1 nos, 4 P, 63 A, Legrand, MCB is mounted in a ply box at top of side wall of hall porch.	For Hall loads	Hall Porch loads - 11 nos- rectangular lamps, ceiling fans - 4 nos & 4 nos 40	Changed new DB
2	1 nos, 4 P, 100 A, Legrand, MCB is mounted in a ply box at top of side wall of hall porch	For Hall lighting		
3	Main Building 1st to Third Floor Labs	The cable is routed directly from Hall Meter cubicle		

(G.1.3) Hall Building Ground Floor - Loads inside the Hall : Meter No - 7797200

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	34 set * 2 each	40	2720	Normal Piano Switches 6 A	OK
2	Ceiling Fan	34	150	5100	Normal Piano Switches 6 A	OK
3	Speakers	2 small + 6 big total load approx. 1.5 KW	1500	1500	Minimum 20 A MCB supply is required	Work done as per the remark
4	Halogen Lamps	2	500	1000	Minimum 20 A MCB supply is required	Work done as per the remark
5	Metal halide lamps in hall	3	150	450	Minimum 15 Amps Switch socket should be used	Work done as per the remark



6	Metal halide lamps in dining room adjacent to hall	4	400	1600	Minimum 20 A MCB supply is required	Work done as per the remark
7	Tube lights in dining room adjacent to hall	10 set * 1 each	40	4000	Normal Piano Switches 6 A	OK
8	Pedestal fans in dining room adjacent to hall	4	150	600	Minimum 15 Amps Switch socket should be used	Work done as per the remark
9	Supply from 100 A MCB in Hall porch to 4 P, 63 A MCB DB in hall room					
Total				16.97kw		

(G.1.4) Main Building First Floor Staircase next to 19 A & First Floor Mezzanine, Ladies Toilet Block :
Loads (supply from Hall Building meter) Meter No - 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set * 1 each	40	200	Normal Piano Switches 6 A	OK
2	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6 A	OK
Total				0.24kw		

(H.1) Hall Building First Floor :

(H.1.1) Hall Main Building First Floor Staircase next to 19 A & first floor meezanine, Ladies Toilet Block :
Loads Meter No - 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	4 set * 1 each	40	200	Normal Piano Switches 6 A	OK
2	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6 A	OK
3	Pad Dispaza	1	500	500		
Total				0.74kw		

(H.1.2) Hall Main Building First Floor L Shaped Passage : Loads Meter No - 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	8 set * 1 each	40	320	Normal Piano Switches 6 A	OK
2	Water cooler	1	150	150	Normal Piano Switches 6 A	OK
Total				0.47kw		

(H.1.3) Hall Main Building First Floor Straight Passage : Loads Meter No - 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	8 set * 1 each	40	320	Normal Piano Switches 6 A	OK
2	Tube light emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
Total				0.40kw		

(H.1.4) Hall Main Building First Floor Class Room XA, 501 : Loads Confrance Room Meter No - 9050006

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
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1	Led Panlight	18	36	648	Normal Piano Switches 6 A	OK
2	Ceiling Fan	10	150	1500	Normal Piano Switches 6 A	OK
3	PC	1	0	0	Only point is provided without PC	OK
4	Projector	1	150	150	Min. 15 Amps Plug Socket should be used	Work done as per remark
5	PA system	1	150	150	Min. 15 Amps Plug Socket should be used	Work done as per remark
6	Tube light emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
7	AC 1.5	3	1800	5400		
Total				7.93kw		

(H.1.5) Hall Main Building First Floor Class Room XB, 502 : Loads Meter No - 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	13 set * 1 each	40	520	Normal Piano Switches 6 A	OK
2	Ceiling Fan	9	150	1350	Normal Piano Switches 6 A	OK
3	Tube light emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
Total				1.95kw		

(H.1.6) Hall Main Building First Floor Class Room FY B com, Room 503 : Loads Meter No - 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	13 set * 1 each	40	520	Normal Piano Switches 6 A	OK
2	Ceiling Fan	9	150	1350	Normal Piano Switches 6 A	OK
3	Tube light emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
Total				1.95kw		

(H.1.7) Hall Main Building First Floor Store Room next to Room 503 : Loads Meter No - 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	3 set * 1 each	40	120	Normal Piano Switches 6 A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6 A	OK
Total				0.42kw		

(I.1) Hall Building Second Floor :

(I.1.1) Hall Main Building Second Floor Passage : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	5 set * 1 each	40	200	Normal Piano Switches 6 A	OK
2	Tube light emergency	3 set * 1 each	40	120	Normal Piano Switches 6 A	OK
3	Water cooler filter	1	150	150	Connected through 15 A switch socket	Work done as per the remark



Total				0.47kw		
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(I.1.2) Hall Main Building Second Floor Passage Toilet Block : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Exhaust Fan	1	100	100	Min. 15 Amps Plug Socket should be used	Work done as per the remark
2	Tube light emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
Total				0.18kw		

(I.1.3) Hall Main Building Second Floor Class Room 1 : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	13 set * 1 each	40	520	Normal Piano Switches 6 A	OK
2	Ceiling Fan	10	150	1500	Normal Piano Switches 6 A	OK
3	Tube lights emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
Total				2.10kw		

(I.1.4) Hall Main Building Second Floor Vice Principal's Office : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6 A	OK
4	PC	1	100	100	Min. 15 Amps Plug Socket should be used	Work done as per the remark
5	Printer	1	100	100	Min. 15 Amps Plug Socket should be used	Work done as per the remark
Total				0.47kw		

(I.1.5) Hall Main Building Second Floor HOD's Office (Room 1 in passage) : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6 A	OK
4	PC	1	100	100	Min. 15 Amps Plug Socket should be used	Work done as per the remark
5	Printer	1	100	100	Min. 15 Amps Plug Socket should be used	Work done as per the remark
Total				0.47kw		

(I.1.6) Hall Main Building Second Floor Principal's Office (Room 2 in passage) : Loads Meter No 9890937



Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6 A	OK
4	PC	1	100	100	Min 15 Amps Plug Socket should be used	Work done as per the remark
5	Printer	1	100	100	Min 15 Amps Plug Socket should be used	Work done as per the remark
Total				0.47kw		

(I.1.7) Hall Main Building Second Floor Class Room 2 : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	13 set * 1 each	40	520	Normal Piano Switches 6 A	OK
2	Ceiling Fan	9	150	1350	Normal Piano Switches 6 A	OK
3	Tube lights emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
Total				1.95kw		

(I.1.8) Hall Main Building Second Floor Class Room 3 : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	9 set * 1 each	40	360	Normal Piano Switches 6 A	OK
2	Ceiling Fan	8	150	1200	Normal Piano Switches 6 A	OK
3	Tube lights emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
Total				1.64kw		

(J.1) Hall Building Third Floor :

(J.1.1) Hall Building Third Floor L Shaped Passage : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	9 set * 1 each	40	320	Normal Piano Switches 6 A	OK
2	Tube lights emergency	2 set * 1 each	40	120	Normal Piano Switches 6 A	OK
3	Water Purifier	1	150	150	Min 15 Amps Plug Socket should be used	Work done as per the remark
Total				0.59kw		

(J.1.2) Hall Building Third Floor Other sid L Shaped Passage Toilet : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK



2	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6 A	OK
3	Exhaust Fan	1	100	100	Min. 15 Amps Plug Socket should be used	Work done as per the remark
Total				0.22kw		

(J.1.3) Hall Building Third Floor Staff Room : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6 A	OK
Total				0.27kw		

(J.1.4) Hall Building Third Floor HOD Room near Staff Room : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6 A	OK
Total				0.27kw		

(J.1.5) Hall Building Third Floor Store Room : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
2	Ceiling Fan	1	150	150	Normal Piano Switches 6 A	OK
3	Tube lights emergency	1 set * 1 each	40	40	Normal Piano Switches 6 A	OK
Total				0.27kw		

(J.1.6) Hall Building Third Floor Class Room 1 : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	13 set * 1 each	40	520	Normal Piano Switches 6 A	OK
2	Ceiling Fan	10	150	1500	Normal Piano Switches 6 A	OK
3	Tube lights emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
Total				2.10kw		

(J.1.7) Hall Building Third Floor Class Room 2 : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	13 set * 1 each	40	520	Normal Piano Switches 6 A	OK
2	Ceiling Fan	10	150	1500	Normal Piano Switches 6 A	OK



3	Tube lights emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
Total				2.10kw		

(J.1.8) Hall Building Third Floor Class Room 3 : Loads Meter No 9890937

Sr.No.	Description	Quantity	Wattage / each	Total Load	Remarks	Remark for Work Done
1	Tube lights	9 set * 1 each	40	360	Normal Piano Switches 6 A	OK
2	Ceiling Fan	8	150	1200	Normal Piano Switches 6 A	OK
3	Tube lights emergency	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
Total				1.64kw		

(K.1) Shishuvibhag Building :

(K.1.1) Outgoing Load Details for Meter No - 07890957 - First Floor :

Outgoings	To	Location	Currents in Amps	Temp in Deg C	Remarks	Remarks
OG 1 : 3 phase from meter	TPN, KEW sheet metal switch fuse unit	For loads of (a) Technical & (b) Oak lab. Third outgoing circuit is also tapped from KEW switch outgoing, Which is connected to one Bentec Make DP 32A MCB. This is not in use & should be removed. In any case more than two terminations should not be made any equipment termination point, For B Oak three wire (2 phase + 1	Bovc Load Cancelled		Cable to technical is direct, but the cable for B Oak lab is routed through one 4P MCB. The KEW switch & the MCB are mounted on top of the meter box & hence are not easily accessible.	Change in next job.
OG 2 single phase from meter	Connected to C 32 DP MCB Sentec make & looped to another C 32 DP MCB	(a) First outgoing for Canteen (b) Second outgoing for MEC Lab			Lift supply be separate & Should not be combined with other loads.	Change in next job.



DG 3 3 phase	Connected to 3 nos porcelain fuses	These fuses are mounted above window canopy is not easily accessible & the circuit is also not in use. Wire from R & B phases are connected to two fuses, but wire from Y phase is cut in between & not connected to any fuse &			In case it is not being used, the same should be disconnected. R phase of meter has 3 outgoing circuits which can be avoided with proper DB	Change in next job
			Currents at main 100 A BSES fuses I/C side R - 28.6 A Y - 17.44 A B - 01.45 A N - 19.83 A	R - 39 C Y - 35 C B - 33 C N - 41 C	Proper Earthing of the meter box is required. Loads unbalanced with R phase getting overloaded. Neutral point is relatively hot at ambient of 29 deg C	Change in next job.

(K.1.2) Shishuvibhag Building Meter - Technical Room : Loads Meter No - 7890957

Sr. No	Description	Quantity	Wattage / each	Total Load	Remarks	Remarks
1	Tube lights	12 set * 1 each	40	480	Normal Piano Switches 6 A	OK
2	Ceiling Fan	6	150	900	Normal Piano Switches 6 A	OK
3	Exhaust Fan	1	100	100	Min. 15 Amps Plug Socket should be used. The room needs one.	OK
4	Power Socket 2 pin & 5 pin assembly	18	0	0	To be used as & when required.	OK
5	Welding machine	1	1500	1500	Supply through 4 P, 40 A, Siemens MCB which is properly rated.	Changed in next job
Total				2.98kw		

(K.1.3) Shishuvibhag Building Meter - Canteen : Loads Meter No - 7890957

Sr. No	Description	Quantity	Wattage / each	Total Load	Remarks	Remarks
1	Tube lights in side canteen	6 set * 1 each	40	240	Normal Piano Switches 6 A	OK
2	Ceiling Fan in side canteen	3	150	450	Normal Piano Switches 6 A	OK
3	Tube lights	10 set * 1 each	40	400	Normal Piano Switches 6 A	OK
4	Tube lights in canteen kitchen	2 set * 1 each	40	80	Normal Piano Switches 6 A	OK
5	Ceiling Fan in canteen kitchen	2	150	300	Normal Piano Switches 6 A	OK
6	Exhaust Fan in canteen kitchen	1	100	100	Min. 15 Amps Plug Socket should be used.	Changed in next job
7	Water cooler outside canteen	1	150	150	Min. 15 Amps Plug Socket should be used.	Changed in next job



8	Refrigerators in canteen kitchen	2	500	1000	Min. 15 Amps Plug Socket should be used	Changed in next job
Total				2.72kw		

(K.1.4) Shishuvibhag Building Meter - Gymkhana : Loads Meter No - 7890957

Sr. No	Description	Quantity	Wattage / each	Total Load	Remarks	Remarks
1	Tube lights	6 set * 1 each	40	240	Normal Piano Switches 6 A	OK
2	Ceiling Fan	2	150	300	Normal Piano Switches 6 A	OK
Total				0.54kw		

(K.1.5) Shishuvibhag Building Meter - Lab Room 1 next to Gymkhana : Loads Meter No - 7890957

Sr. No	Description	Quantity	Wattage / each	Total Load	Remarks	Remarks
1	Tube lights	8 set * 1 each	40	320	Normal Piano Switches 6 A	OK
2	Ceiling Fan	4	150	600	Normal Piano Switches 6 A	OK
3	Exhaust Fan	3	100	300	Min. 15 Amps Plug Socket should be used.	Changed in next job
4	Power Sockets	6			To be used as & when required	OK
5	Water distillation plant	2	2000	4000	Min. 32 Amps, DP MCB should be used.	Changed in next job
Total				5.22kw		

(K.1.6) Shishuvibhag Building Meter - Lab Room 2 next to Room 1 : Loads Meter No - 7890957

Sr. No	Description	Quantity	Wattage / each	Total Load	Remarks	Remarks
1	Tube lights	9 set * 1 each	40	360	Normal Piano Switches 6 A	OK
2	Incandescent Lamps	4	60	240	Normal Piano Switches 6 A	OK
3	Exhaust Fan	1	100	100	Min. 15 Amps Plug Socket should be used.	Changed in next job
4	Electric oven	1	1750	1750	Min. 20 Amps, DP MCB should be used.	Changed in next job
5	VACUUM PUMP, single phase, 0.25 HP, 2.8 amps				Located near Electric oven. A small switch board is installed above oven. The board does not have earthing.	Changed in next job
Total				2.45kw		

We are changed all lighting & power circuits as well as AC circuits & changed DB's as per the required Load in Two parts floor wise with load balancing.

Note : Technical school / shushu vibhag / Gym Area / Chemestri Lab area will in remaining job it will finish in next job work.

(L.1.1)

Sr. No	Meter s. No	Loads Catered	Supply From	Remark	Remark for work done
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9050006 AC No 152398541	Hall 1st Floor / Sarvar Room Confrace Room Bovc Lab Men Building 1st Floor Bovic Lab Technical	Three Wings 200 A/C Switch Outgoing Terminals		
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(L.1.2) Men Building First Floor Bovic Editing Lab : Loads Meter No - 9050006

Sr. No	Description	Quantity	Wattage / each	Total Load	Remarks	Remarks
1	Tube	2 set * 1 each	40	80		
2	AC / 1.5	1	1800	1800		
3	PC	12	100	2300		
Total				4.18kw		

(L.1.3) Technical - Bovic Lab 1+1 : Meter No- 9050006

Sr. No	Description	Quantity	Wattage / each	Total Load	Remarks	Remarks
1	Tube	4	40	160		
2	AC / 1.5	1	1800	1800		
3	Fan	2	150	300		
4	PC	1	100	100		
5	Spot light	4	100	4000		
Total				6.36kw		

(L.1.4) Hall Building First Floor Confrace Room : Meter No - 9050006

Sr. No	Description	Quantity	Wattage / each	Total Load	Remarks	Remarks
1	Panel light	18	36	648		
2	Ceiling Fan	10	150	1500		
3	PC	1	0	0		
4	Projector	0	150	150		
5	AC 1.5	3	1800	5400		
6	CCTV / PVK	1	150	150		
7	PA System	1	150	150		
Total				8kw		

(L.1.5) Hall Building First Floor Server Room : Meter No - 9050006

Sr. No	Description	Quantity	Wattage / each	Total Load	Remarks	Remarks
1	Tube	4	40	160		
2	Fan	2	150	300		
3	Net Setup UPS	0	600	600		
4	AC 1.5	1	1800	1800		
Total				2.86kw		

