

GOVERNMENT OF PUDUCHERRY
ELECTRICITY DEPARTMENT

COMPUTER CENTRE
ELECTRICITY DEPARTMENT
PONDICHERRY.

No..... 324
Date... 22/03/18

Puducherry,
dt. 21.03.2018

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22/3/18

MEMORANDUM

Sub : Electricity Department, Puducherry - SE-O&M-Pdy - Tech-III - Enhancement of CMD from 500 KVA to 1100 KVA in favour of M/s Lotus Roofings Pvt. Ltd., R.S.No.40/2,3 & 41/5, Sedharapet, Villianur Commune, Puducherry - Approval accorded - Reg.

Ref : 1. Licence No. 701/ dt.15.4.87.
2. SE-III Order No.HT - 13/2017-18 dt.19.01.2014.
3. No.78/P-45/12/2017-RIO/1468 dt.19.01.2018.
4. I.D. No.7231/ED/EE-R(N)/Tech/F.HT (Lotus Roofings 500-1100 KVA)/17-18 dt.9.3.18.

-oOo-

Approval of the Superintending Engineer-cum-HoD is hereby communicated for enhancement of CMD from 500 KVA to 1100 KVA in favour of M/s Lotus Roofings Pvt. Ltd., R.S.No.40/2,3 & 41/5, Sedharapet, Villianur Commune, Puducherry on **22.03.2018** with a total connected load of 973.5 KW, including light load, subject to the following conditions:-

- a) Provisions of JERC (Electricity Supply Code) Regulations, 2010 dated 20.05.2010 and the amendment notified vide the Gazette of India No. 224 dt.07-08-2013 should be strictly adhered to.
- b) The sanctioned Maximum Demand of 1100 KVA should not be exceeded at any time.
- c) The capacity of the Current Transformer of the Controlling feeder and Station Capacity and for the metering at the consumer end should be adequate.
- d) As stipulated in the Office Memorandum No.4032/ED/SE-I/F.49/2011-12 dt:19-03-12, the maximum available C.T ratio of metering cubicle shall be adopted.
- e) The consumer will be continued to be charged under the tariff HT-I (a).

(Contd....)

- f) Approval for installing & running Gen set as stand by source shall be obtained from this Department separately by applying to the Executive Engineer O&M (concerned).
- g) Compliance of the Renewable Energy requirement as per the Puducherry Building Bye-Laws and Zoning Regulations (Amendment), 2017 as per the Notification of the Chief Secretariat (Housing) vide G.O.Ms.No.12/2017-Hg, Puducherry dt. 13.07.2017, within a time frame shall be ensured.
- h) The initial reading of the meter and metering particulars should be forwarded to Tech-I Sub Division and SAO/HT with a copy to this office.

7/9
Superintending Engineer-O&M
Puducherry Region

To

The Executive Engineer-Rural (North) O&M,
Electricity Department,
Puducherry.

-- 2 copies

Copy to:

1. The Superintending Engineer - cum- HoD - For information
2. The Executive Engineer - MRT & MMC (2 copies) - For information and necessary action
3. The Senior Account Officer/HT Section - For information
4. Assistant Engineer/Computer - For information
5. The spare



सत्यमेव जयते

Government of India
Central Electricity Authority

Regional Inspectorial Organisation(South)

Block IV, Floor III, Shastri Bhawan, Chennai – 600 006

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e-mail:
riosouthceachennai@gmail.com

No.78/P-45/12/2017-RIO/ 1468

Dated 19/01/2018.

To
The Authorised Signatory,
M/s Lotus Roofings Pvt. Ltd.,
R S No. 40/2, 3 & 41/5,
Sedarapet,
Puducherry – 605 111

**Approval for Electrical Installations
(Under Regulation 43)**

Installations:-

Equipment:

- 1600 KVA, 22kV/433V Transformer (Replacement of 1000 KVA Transformer),
Main MV Panel Extn. & Additional Loads as per list enclosed – Two Pages

Location: M/s Lotus Roofings Pvt. Ltd., R S No. 40/2, 3 & 41/5, Sedarapet,
Puducherry – 605 111

Inspected by: Deputy Director, RIO(S), CEA, Chennai on 29.12.2017

Reference:-

Your Letter No.	Online Application No. A/2017/02933	Dated	25.12.2017
Our Letter No.	78/P-45/12/2017-RIO/1298	Dated	01.01.2018
Your Letter No.	LRPL/1031	Dated	12.01.2018

With reference to the above, approval is hereby granted for energizing the electrical installation as given above. This approval is strictly subject to your full compliance with the relevant provisions of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 (as amended to date) in every respect. The statement of energisation particulars may please be forwarded to this office immediately after energisation of the installation.

The next inspection of these equipments under regulation 30 shall be due after two years from the date of this approval.

Mary Francis

(MARY FRANCIS)
Deputy Director
For CEI to Govt. of India

Copy to:-

The Chief Engineer (CEI), CEA, New Delhi – 110 016

उप निदेशक / Deputy Director
क्षेत्रीय निरीक्षण संगठन
Regional Inspectorial Organisation
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
चेन्नै / Chennai-600 006.

M/s. Lotus Roofings Pvt. Ltd.
R.S.40/2, 3 & 41/5, Sedarapet, Puducherry – 605 111.

List of Equipments for Approval

MV Installation:

1. Erection of 22KV/433V – 1600KVA Transformer with OLTC in lieu of Existing 22KV/433V – 1000KVA Transformer. OLTC Make: ON Load Gears SI.No.: 40328

Make : Wilson Power And Distribution Technologies Pvt. Ltd., (WPDT)
 Capacity : 1600KVA Serial No. : 3698
 Voltage : 22KV / 433V Full load Amps (HV/LV) : 41.99A / 2133.40A
 1600KVA Transformer LV side connected to 3200A, 4P, ACB by Bust Duct.

2. Extension of Main MV Panel:

Incoming: 3200A, 4P, ACB I/C Bus Duct size: 3R-150mmx12mm Al./Ph., 2R-150mmx12mm Al./Nu.
 Outgoing: 1.1No.1250A, 4P, ACB to MV Panel-1 2.1No.3200A, 4P, ACB to MV Panel-2 by Bus Bar.
 I/C: 3200A, 4P, ACB, Details:

Make : L & T Si. No. :LQ684116 Capacity : 3200A
 O/G-1: 1250A, 4P, ACB, Details:
 Make : L & T Si. No. :LQ683340 Capacity : 1250A
 O/G-2: 3200A, 4P, ACB, Details:
 Make : L & T Si. No. :LQ684117 Capacity : 3200A

3. Extension of MV Panel-1 (Double Bus Bar System):

Incoming: 1250A, 4P, ACB I/C Bus Bar Size: 2R-75mmx10mm Al./Ph., 2R-150mmx12mm Al./Nu.
 Outgoing: 1. 2 pair of 400A, 4P, FSU 2. 1 pair of 315A, 4P, FSU

4. Extension of MV Panel-2 (Single Bus Bar System):

Incoming: 3200A, 4P, ACB I/C Bus Bar Size: 3R-150mmx12mm Al./Ph., 2R-150mmx12mm Al./Nu.
 Incoming: 3200A, 4P, ACB as spare for DG Set (Future).

Outgoing: 1. 1No. 1000A, 4P, ACB 2. 1No. 1000A, 4P, ACB 3. 4Nos. 400A, 4P, FSU
 I/C: 3200A, 4P, ACB for DG Details:

Make : L & T Si. No. :LQ684115 Capacity : 3200A
 O/G-1: 1000A, ACB, Details:
 Make : L & T Si. No. :LQ683842 Capacity : 1000A
 O/G-2: 1000A, ACB, Details:
 Make : L & T Si. No. :LQ683341 Capacity : 1000A

5. 100KVAr APFC Panel-1:

Incoming: 200A, 3P, FSU Outgoing to 100KVAr APFC Capacitor.

6. 100KVAr APFC Panel-2:

Incoming: 200A, 3P, MCCB Outgoing to 100KVAr APFC Capacitor.

7. LDB Panel-2:

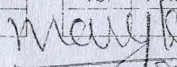
Incoming: 200A, TPN, FSU Outgoing: 1. 3Nos. 63A, TPN, FSU 2. 3Nos. 32A, TPN, FSU

List of Additional Loads

Sl. No.	Description	Additional Load (KW)	Qty	Total Load (KW)
1.	EX -KTS-250 M/C-2	53.71	1	53.71
2.	KTS-250 M/C-2 (Heater)	31.6	1	31.6
3.	Neoplast Mixer	42.9	1	42.9
4.	90 KG Mixer	44.76	1	44.76
5.	Pulveriser-2	32.824	1	32.824
6.	Lathe	3.73	1	3.73
7.	Cooling Tower Fan	2.238	1	2.238
8.	Lumps Grinder	7.46	1	7.46
9.	Bell Mouth M/C-1, 2 & 3	9.8	3	29.4
10.	Ridge M/C-2	3.73	1	3.73
11.	Air Drier-1	0.932	1	0.932
12.	Air Drier-2	0.52	1	0.52
13.	1.5 Ton A/C	2	6	12
14.	1.0 Ton A/C	1.5	2	3
15.	Lighting Loads	10	1	10
Total Additional Loads=				278.8 KW

List of Removed Loads – (A)

Sl. No.	Description	Removed Load (KW)
1.	Chiller system pump	2.238
2.	Mixer Motor	22.38
3.	Extruder-5	21.261
4.	Circulation Pump-1	3.73
5.	System Pump-1	3.73
6.	System Pump-2	3.73
7.	Kolsite 75Kg Mixer	35.435
8.	Extruder-2 Heating Load	15
9.	Extruder-2 Blowers	1.492
10.	Hall – off	9.698
11.	Pelletizer	25.364
12.	Pelletizer Heating Load	5
13.	Extruder (Taiwan)	55.59
14.	Extruder Heating Load	10
15.	Printing M/C	5.319
Removed Load =		219.967 KW


 Deputy Director
 Regional Organisation
 Central Electricity Authority
 Puducherry - 605 005

M/s. Lotus Roofings Pvt. Ltd.
R.S.40/2, 3 & 41/5, Sedarapet, Puducherry – 605 111.

List of Alteration/Reduction/Enhancement in Existing Loads

Sl. No.	Description	Existing Load as per sanction (KW)	Enhancement in Existing Load (KW)	Reduction /Removed Load (KW)	Resultant Existing Load (KW)
1	90 Kg Mixer (Kolsite Mixer)	48.49	3.73	---	52.22
2	EX-90/16V Main Motor with Heater (Extruder-1 + Heater)	78.92	8.7	---	87.61
3	EX-90/16V Hall-off (Extruder-1 Hall off)	16.94	8.14	---	25.08
4	EX-90/22V Main Motor, with Heater (Extruder-3 + Heater)	70.94	44.3	---	114.97
5	Spray/Water Pump	3.73	3.73	---	7.46
6	System/Water Pump	3.73	1.865	---	5.595
7	Chiller/Water Pump	2.238	3.357	---	5.595
8	Chiller	18.65	33.57	---	52.22
9	Raw Water Pump	2.238	1.492	---	3.73
10	Air Compressor-1	2.238	16.41	---	18.65
11	Air Compressor-2	3.73	7.46	---	11.19
12	Air Compressor-3	3.73	3.73	---	7.46
13	50 Kg Mixer (Kolsite Mixer)	29.84	5.222	---	35
14	Scrap Grinder-1	14.92	8.952	---	23.872
15	Scrap Grinder-2	11.19	7.46	---	18.65
16	Pulveriser-1	23.126	2.238	---	25.364
17	Ridge M/C-1	1.492	2.238	---	3.73
18	EX-65/18V Main Motor, with Heater (Flex o Flux)	52	---	3.5	48.5
19	90 KG Mixer (Kolsite Mixer)	52.5	---	---	52.5
20	EX-KTS-250 (300) M/C-1 + (H)	87.38	---	2.068	85.312
21	Lighting Loads	10	---	---	10
22	Removed Loads as per Annexure (A)	219.967	---	219.967	---
	Total Load =	757.989 K·W	162.594 KW	225.535kw	694.7 KW

Abstract of Load Details:

- Existing Loads as per sanctioned = 757.989KW
- Enhancement in Existing Loads = 162.594KW
- Removed Loads = 225.535 KW (1) (2) (3) (4)
- Resultant Existing loads = 694.7 KW → (757.989KW + 162.594KW - 225.535KW) = 694.7KW
- Additional Loads = 278.8 KW
- Total Connected Loads = Resultant Existing Loads + Additional Loads → (694.7KW + 278.8KW)

Total Connected Loads = 973.5 KW/1304.96 HP

maseyk

उप निदेशक / Deputy Director
क्षेत्रीय निरीक्षण संस्थान
Regional Inspectional Organisation
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पे.नं. / Cr. no. 101-600 006.

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ELECTRICITY DEPARTMENT