



RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

(Accredited with 'A' Grade by NAAC)

(Sponsored by Sri Balaji Educational and Charitable Public Trust)

Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

Dr. Vijayakrishna Rapaka

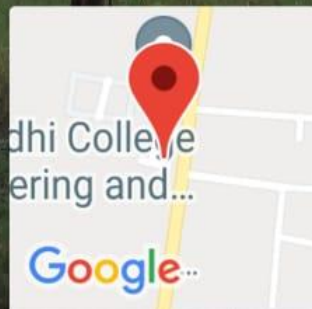
B.Tech.(Mech.), M.Tech. (Energy), Ph.D. (Ocean Engineering, IIT Madras),
M.I.S.T.E., F.I.I.P.E., M.C.S.I., M.I.S.E.S., M.A.S.E.E.

PRINCIPAL

Electrical Grid Power Supply Connection



GPS Map Camera



Kirumampakkam, Puducherry, India

RQGJ+RVQ, Kirumampakkam, Puducherry

607402, India

Lat 11.826887°

Long 79.782674°

13/04/22 12:27 PM

Telefax: 28257051
Phone : 28276579

Grams: Plancell

GOVERNMENT OF INDIA
CENTRAL ELECTRICITY AUTHORITY
Regional Inspectorial Organisation
Block-IV, 3rd floor, Shastri Bhavan
Chennai-600 006.

No.78/P-201/2004-RIO

1650

Date.10.06.2004.

To
Rajiv Gandhi College of Engineering & Technology,
Pondicherry Cuddalore Road,
Kirumambakkam,
Pondicherry-607 402.

Sub: Indian Electricity Rules, 1956-Rule63-Approval for
energisation.

Ref: Your Lr.No.RGCET/CEA/5-04 dated 01.05.2004.

With reference to the above, approval is hereby granted to energise the HV electrical installations as per details given below. This approval is strictly subject to your full compliance with the relevant provisions of the Indian Electricity Rules, 1956 (as amended to date) in every respect.

2. The statement of test energisation particulars may please be forwarded to this office immediately after energisation of the equipments/ lines.

3. Inspection of the aforesaid works was carried by Shri.A.M.Pathi, Superintending Engineer on 04.05.2004.

4. The inspection fee of Rs.14950/- (Rupees Fourteen Thousand Nine Hundred & Fifty only) paid, is hereby adjusted against this inspection.

A.M.Pathi 10/06/04
(A.M.PATHI)

Superintending Engineer
For ELECTRICAL INSPECTOR

Copy to:-

1. The Chief Engineer(CEI), Central Electricity Authority, New Delhi-66.
This approval is in continuation of our notice for compliance issued vide RIO Letter No. 78/P-201/2004-RIO/402 dt.17.05.2004 and compliance Report submitted by the consumer Rajiv Gandhi college of Engineering & Technology, Pondicherry. vide their letter No.RGCET/CEA/Compliance/604 dt.05.06.2004.

2. The Superintending Engineer-I, Electricity Department, Pondicherry.

Details of Installations
As per list enclosed.

List of Equipments to be Energised
at the Premises of M/s. Rajiv Gandhi College of Engineering & Technology,
Pondy – Cuddalore Road, Kirumambakkam, Pondicherry State.

1. **22 KV DP Structure :** - 1 No.
Consisting of 200 x 100 RSJ Supports,
22KV 400Amps AB Switch, Lightning
arrestors – 3 Nos., and HG. Fuse arrangement.

2. **500KVA Transformer :** -1 No.
Make : Current Electricals Limited,
Capacity : **500 KVA**
Sl. No. : 116064
Voltage : HV – 22,000, LV – 666,69.
Amps : HV- 25.24, LV – 666.69
Outgoing Cables: 3.5C, 300 Sq. mm. Ar. Alu. PVC Cable (3R)

3. **ACB Panel : (Near Transformer)** - 1 No.
Indoor Floor Mounting Suitable for 433V, 3 Phase
Operation with metering for Incomer with Earth
Fault Protection.
E.B Incomer & Outgoing : 800A, ACB Four Pole Draw out type
Cable : 3.5c, 300 Sq. mm. Ar. Alu. PVC Cable (3R).

4. **Main Panel :** - 1 No.
Indoor Floor Mounting suitable for 433V, 3 Phase
Operation with Metering for Incomer & Alu. Bus
Bar with mechanical interlocking arrangement of
2 locks & one key for each out going feeder and
3 locks & two keys for two DG sand Bus Coupler
with double Bus arrangement.
EB Incoming : 800A ACB 4 Pole - 1 No.
DG Incomer 1: 400A MCCB 4 Pole - 1 No.
DG Incomer 2: 400A MCCB 4 Pole - 1 No.
Bus Coupler : 400A MCCB 4 Pole - 1 No.
Out going: 250A MCCB 4 Pole - 24 Nos.
200A MCCB 4 Pole - 4 Nos.
125A MCCB 4 Pole - 20 Nos.

5. **Power Panel :** - 5 Nos.
Indoor floor mounting suitable for 433V,
3 Phase operation with Metering for incomer.
Incoming : 250A TPN MCCB - 1 No.
Outgoing : 63A TPN MCCB - 12 Nos.
Incoming Cable : 3.5c, 240 Sq. mm. Ar. Alu. PVC Cable.

A. White 10/06/04
Superintending Engineer
Regional Inspectorial Organisation
Central Electricity Authority
Chennai.

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Details of Connected Loads to be Energised
M/S. RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY
Pondy - Cuddalore Road, Kirumambakkam, Pondicherry - 607 402

Sl.No.	Description	Qty	Capacity HP	Total HP
A	EEE Block			
A.1	Electrical Machinery Lab			
1	D.C.Shunt Motor	1	7.5	7.5
2	D.C.Shunt Motor	6	3	18
3	D.C.Shunt Motor	2	5	10
4	D.C.Compound Motor	1	3	3
5	3 Phase Induction Motor	2	5	10
6	3 Phase Induction Motor	1	3	3
7	Synchronous Motor	1	3	3
8	Single Phase Induction motor	1	1	1
A.2	Power Electronics Lab			
1	D.C.Motor	5	2	10
2	3 Phase Induction Motor	3	5	15
3	Single Phase Induction Motor	1	1	1
4	Single Phase Induction Motor	1	0.5	0.5
B	Fluid Mechanics Lab			
1	Single Phase Induction Motor	6	0.5	3
2	3 Phase Induction Motor	1	2	2
3	3 Phase Induction Motor	1	3	3
4	3 Phase Induction Motor	2	15	30
C	Workshop			
1	3 Phase Induction Motor	1	2	2
2	3 Phase Induction Motor	1	1.5	1.5
3	3 Phase Induction Motor	1	0.5	0.5
4	Welding Machine	2	24.5	49
D	Air Conditioning Loads			
1	EEE Block 1 Phase A.C.Units	8	1.8	14.4
2	Comp/. Centre - I 3 Phase A.C.Units	5	11.5	57.5
3	Comp. Centre - II 3 Phase A.C.Units	5	11.5	57.5
4	Seminar Hall 3 Phase A.C. Units	5	11.5	57.5
5	Chairman, Principal, Officer, Conference Room - 1 Phase A.C.Units	5	4	20
6	Administrative Manager 1 Phase AC Unit	1	2	2
E	Computer			
1	UPS	1	24	24
	UPS	2	16	32
	Total Power Load	437.9		
	Total Lighting Load	60 KW		
	Total Connected Loads		437.9 + 53.6 = 491.5HP	

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6. **Light Panel:** - 4 Nos.
Indoor floor mounting suitable for 433V,
3 Phase operation with Metering for incomer
Incoming : 125A TPN MCCB - 1 No.
Outgoing : 40A TPN MCCB - 6 Nos.
Incoming Cable : 3.5c, 240 Sq. mm. Ar. Alu. PVC Cable.
7. **Street Light Panel:** - 1 No.
Indoor floor mounting suitable for 433V,
3 Phase operation with Metering for incomer
Incoming : 125A TPN MCCB - 1 No.
Outgoing : 63A TPN MCCB - 6 Nos.
Incoming Cable : 3.5c, 240 Sq. mm. Ar. Alu. PVC Cable.
8. **Capacitor Panel:** - 1 No.
Indoor floor mounting suitable for 433V,
3 Phase operation with Metering for incomer
Incoming : 125A TPN MCCB - 1 No.
Outgoing : 40A TPN MCCB - 6 Nos.
Incoming Cable : 3.5c, 240 Sq. mm. Ar. Alu. PVC Cable.
9. **PDB :** - 1 No.
10. **LDB :** - 10 Nos.
11. **L T Capacitor -One Bank** - 135KVAR
(25 - 3Nos.) (15 x 2= 30 - 2 Nos.)

Ampathi 10/06/04
Superintending Engineer
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