

SAVE ENERGY

SAVE NATION

GOVERNMENT OF TAMIL NADU
ELECTRICAL INSPECTORATE

From
The Chief Electrical Inspector to
Government,
Thiru-Vi-Ka Industrial Estate,
Guindy, Chennai-600 032

To
M/s.Chennai Water Desalination Ltd.,
100 MLD Sea Water Desalination Plant
Survey Nos.1/3B4B2, 1/4A1 (P), 330/1 & 2 (P)
Kattupalli Village, Ponneri Taluk,
Thiruvallur District

Letter No. KPM.1217 /CEIG/D3/2010-1, Dated 13.1.2010

Sirs,

Sub: The Electricity Act 2003 and Indian Electricity Rules 1956 New HV/MV & LV Electrical Installation M/s.Chennai Water Desalination Ltd., 100 MLD Sea Water Desalination Plant Survey Nos.1/3B4B2, 1/4A1 (P), 330/1 & 2 (P) Kattupalli Village, Ponneri Taluk, Thiruvallur District - Inspection under Rule 63 of Indian Electricity Rules, 1956 on 3.1.2010 - Approval - accorded.

Ref: 1) This office Letter No.KPM.1217/CEIG/D3/2009 Dated 14.12.2009
2) Your letter No.Nil dated 18.12.2009 and 4.1.2010
3) This office letter No.KPM.1217/CEIG/D3/R63/2010 dated 6.1.2010
4) Your letter No.CWDL/CEIG/003/2010 dated 11.1.2010

Under Rule 63 of Indian Electricity Rules, 1956, Approval is hereby accorded to commission the Electrical Installations inspected on 3.1.2010 at the above premises as detailed in Annexure subject to complying with the terms and conditions of the supplier.

The date of energisation of the installation may be intimated to this office.

Under Rule 30(4) and 46 (3) of Indian Electricity Rules 1956, the consumer is at all times solely responsible for the maintenance of the above installation in such a condition as to be free from danger.

(Sd/xx)

CHIEF ELECTRICAL INSPECTOR TO GOVERNMENT

Encl: Annexure containing List of Electrical Equipment.

//True Copy/Forwarded//

U. J. 13/1/2010

ASSISTANT ELECTRICAL INSPECTOR /TECHNICAL

Copy to: Thiru.IVRCL Infrastructures & Products Ltd., 30A, South Phase,
6th Cross Road, T.V.K.Industrial Estate, Gundy, Chennai-600 032

(With Annexure)

Copy to: The Superintending Engineer/Tamil Nadu Electricity Board

Chennai Electricity Distribution Circle/North/Chennai

(With Annexure)

Copy to: The Electrical Inspector/Kancheepuram (North)

(With Annexure)

rs.13.1.

**LIST OF EQUIPMENTS INSTALLED AT
CHENNAI WATER DESALINATION LIMITED, KATTUPALLI VILLAGE, PONNERI TALUK,
THIRUVALLUR DISTRICT.**

A. HV EQUIPMENTS - ADDITIONS

1. 11KV HT PANEL - INDOOR

1 No - 25KA, 11KV, 630A, MDO TYPE VCB WITH O/L, S/C & E/F RELAY 120/5A CT's.

MAKE : ESWARI ELECTRICAL.
SL. NO : C090901

3. TRANSFORMER (INDOOR) - 1 NO

RATING : 1600KVA
VOLTAGE : 11KV/433V
VECTOR GROUP : DYN-11
MAKE : INDOTECH
SL.NO : IT 43047

4. CABLE SIZE - 3C x 240Sqmm 11KV XLPE CABLE.

FROM : 11KV HT 17 PANELS (AT R.O. BUILDING)
TO : 11KV INDOOR HT VCB

FROM : 11KV INDOOR HT VCB
TO : 1600 KVA 11KV / 433V TRANSFORMER.

B. MV EQUIPMENTS

1. MV BUS DUCT - TRANSFORMER

TPN BUS AL DUCT

PH: 2R x ¹⁵⁰~~100~~ x 12.5 mm Al. Flat.
NE: 1R x ¹⁵⁰~~100~~ x 12.5 mm Al. Flat.

i) From : 1600KVA TRANSFORMER
ii) To : MAIN MV PANEL

2. MAIN MV PANEL.

EB INCOMER

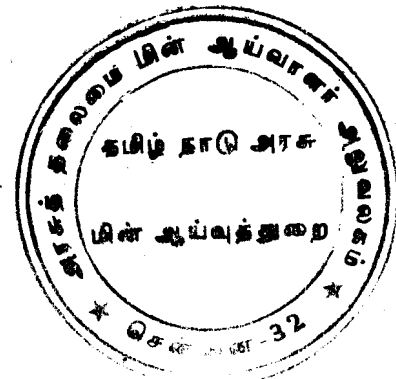
1 No. - 50KA, ^{2000A}~~2500A~~ TPN EDO Type ACB with S/C, O/C & E/F Relays, 2500/5A CT's & 500/5A NCT.

BUS BAR SIZE

PHASE - 2RX100X12.5MM AL. FLAT
NEUTRAL - 1RX100X12.5MM AL. FLAT

OUTGOINGS

6Nos - 630A TPN MCCB
2Nos - 100A TPN MCCB



3. APFCR PANEL – 1 No - Fed From MAIN MV PANEL – I/c Cable 1Rx3.5Cx240 Sqmm Al. Ar.

INCOMER

1No – 400A TPN MCCB

OUTGOING

3Nos - 160A TPN MCCB WITH 160A CONTACTOR & 40 KVAR CAPACITOR EACH

4. LDB – Fed From – MAIN MV PANEL – I/C Cable Size – 4C x 10 Sqmm.

1No – 32A 4P MCB AS INCOMER

3Nos – 16A DP MCB AS EACH PHASE CONTROLLER

12Nos – 6A SP MCB AS OUTGOING

5. LIST OF MV LOADS

SL. NO.	DESCRIPTION	RATING IN KW	FED-FROM	VOLTS
1.	PUMP MOTOR – 5 NOS	135.0 KW Each	MAIN MV PANEL	415V

6. LIGHTING LOAD : 5.0KW



U. J. M. 13/11/2010

ASSISTANT ELECTRICAL INSPECTOR / TECHNICAL