



Government of India/
Central Electricity Authority/
Electrical Inspectorate Division/
18-A, Shaheedjeet Singh Marge,
NRPC Building, 3rd Floor, Katwaria Sarai
New Delhi-110016



Telefax: 011-26565183

CEI/4/EI/INSP/2018/

Dated 23-09-18

विद्युतीकरणके लिएअनुमोदन

[केन्द्रीय विद्युत प्राधिकरण(सुरक्षातथाविद्युतआपूर्तिसंबंधीरूपाय) विनियम, 2010केविनियमन 43 केअन्तर्गत]

Mr.Karthikeyan
M/s. Green Infra Renewable Energy Limited
Ottapidaram Tirunelveli Road,
Ottapidaram,Thoothukudi-628401

Subject: - Approval for energization of 59 nos. of WTG along with the associate 33 kV HT yard of M/s. Green Infra Renewable Energy Limited Ottapidaram Tirunelveli Road, Ottapidaram, Thoothukudi-628401 under Regulation 43 of CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 (As amended).

Reference: - Your letter No. -A/2017/03875

Dated 07/08/2017- Application.

Whereas the inspection for energization of the above Electrical installation under regulation 43 of CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 (As amended) was carried out by the undersigned on 27/08/2018 and since the installation was found to be complying with the provision of CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 (As amended),

the approval for energization of 59 nos. of WTG along with the associate 33 kV HT yard of M/s. Green Infra Renewable Energy Limited Ottapidaram Tirunelveli Road, Ottapidaram, Thoothukudi-628401 is hereby conveyed under regulation 43 of CEA (Measures relating to Safety and Electric Supply) Regulations, 2010.

The consistent compliance of relevant provisions of CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 (as amended) shall be ensured by M/s. Green Infra Renewable Energy Limited for safety in operation and maintenance of the above electrical apparatus. Periodical inspection of the above electrical apparatus under Regulation-43 shall be due after **02** years from the date of this inspection. This periodicity is subject to change by government notification.

23/09/18

(Goutam Roy)

Chief Engineer & Chief Electrical Inspector
to the Government of India

CC: Deputy Director, RIO (South), CEA, Chennai

M/S.GREEN INFRA RENEWABLE ENERGY LIMITED,
Ottapidaram Tirunelveli Road,
Thoothukudi- 628 401.

LIST OF EQUIPMENTS FOR WTG

WTG – KUM102, OTA055, OTE102, OTE076, OTE158, MNS103, OTE120, OTE121, OTE142, OTE118, OTE075, KUM159, OTE047, OTE157, OTE141, OTE113, OTE164, OTA069, OTE103, OTE115, OTE135, OTE136, OTE137, OTE037, OTE059, OTE011, OTE112, OTE041, OTE153, OTE077, MNS09, OTA095, OTA067, OTE064, OTE081, OTE082, OTE061, OTE138, OTE140, OTE166, OTE172, OTE173, OTE174, MNS060, MNS062, OTE019, OTE021, MNS041, MNS042, KUM215, MNS073, KUM104, KME029, KUM249, OTE165, OTE155, MNS061, OTE163, OTE151:- (59Nos)

1. GENERATOR:- (59Nos)

OUTPUT WITH SHORT	
CIRCUITED ROTOR	- 1850KW
OUTPUT WITH CONVERTER	- 2170KW
TYPE NO	- MRL063Z06
COOLING	- IC616

2. POWER PANEL:- (59Nos)

INCOMER	- 2500A 4P ACB
FED FROM	- TRANSFORMER
INCOMING CABLE	- WTG TO CONVERTER PANEL-ROTOR CABLE: 9x1Cx70 Sq.mm COPPER CABLE (3 RUNS EACH PHASE)
	- WTG TO JUNCTION BOX-STATOR CABLE: 15x1Cx185 Sq.mm. COPPER RUBBER CABLE (5 RUNS EACH PHASE)
	JUNCTION BOX TO POWER PANEL-STATOR CABLE: 12x1Cx400 Sq.mm. ALUMINUM RUBBER CABLE (4 RUNS EACH PHASE)

3. TRANSFORMER:- (59Nos)

RATING	- 2300KVA
VOLTAGE	- 33KV/ 690V
FREQUENCY	- 50Hz
AMPS	- 1924.50A
VECTOR GROUP	- DYN 11
TYPE OF COOLING	- ONAN
FED FROM	- CSS HT YARD
I/C CABLE SIZE	- 12x1Cx400 Sq.mm. ALUMINUM RUBBER CABLE (4 RUNS EACH PHASE) + 2x1Cx400 Sq.mm. ALUMINUM RUBBER CABLE FOR T/F NEUTRAL (PEN CONNECTION)



4. CSS HT YARD:- (59Nos)

33 kV, INSULATION BOOT/INSULATION TAPE FOR BUSHING	- 3Nos.
33kV HV BUSHING	- 6Nos.
33kV BUSBAR WITH HT SLEEVE	- 1SET.
INDOOR TYPE PT 33KV Min 400 VA, SINGLE PHASE PT	- 1No.
33kV 800A INDOOR VCB 25kA FOR 3 SECOND	- 1No.
INDOOR TYPE CT's:- 200/5A, 15VA, 5P10	- 3Nos.
DISC INSULATOR: - 33kV, 70kN, COMPOSITE TYPE	- 3Nos.
CONDUCTOR: - AL - 59 DOG	- 1Lot.
0 SWG INSULATED CONDUCTOR	- 1Lot.
POLYMERIC SURGE ARRESTOR: - 30 kV, 10kA, CLASS II	- 3Nos.
ISOLATOR: - 33kV, 400 AMP DOUBLE BREAK HORIZONTAL WITHOUT EARTH BLADE	- 1Set.
ISOLATOR OPERATING HANDLE WITH LOCK	- 1No.
HDGI POLE: - 200 x 100 mm (4.5m LONG)	- 2Nos.
PIN INSULATOR: - 33 kV, 10kN WITH GI PIN	- 3Nos.



23-09-18