



ZODIAC Energy Limited

COMMISSIONING CUM HANDING OVER REPORT

This is to certify that the **200 kWp Grid Interactive Solar PV Power Plant** has been successfully designed, supplied, Installed, Commissioned by **M/s. Zodiac Energy Ltd.** A-1204, Sidhhivinayak Towers, Nr.Kataria Auto, S.G. highway, Makarba, Ahmedabad at **Principal Charotar Institute Of Technology, Anand.**

It has been handed over to the **Principal Charotar Institute Of Technology** in safe and reliable operating condition.

The major components of the system are as under.

Sr No	Description	Specification	Unit	Total
1	Solar Module	325 Wp	Nos	616
2	Module Mounting Structure with Accessories	As per Drawing	Lot	Lot
3	50 kW Inverter	Three Phase	Nos	4
4	Cables & Accessories	Cu/ Al/ cable	Lot	Lot
5	Earthing system & Accessories	As per site	Nos	8
6	Miscellaneous	As per site	Lot	Lot

Along with the above working Drawing and Test reports are also been handed over to the Client.

**For, Principal Charotar Institute
Of Technology**

For, Zodiac Energy Ltd

Authorised Signatory

Authorised Signatory

Reg. Office : A-1204, Sidhhivinayak towers, Behind Adani CNG Station, Near Kataria Auto, Makarba, S.G.Highway, Ahmedabad-380051.
Phone : +91-79-66170307, +91-79-29704116, +91 9879106443
Works : Plot No 67,Road No.06, Kathwada G.I.D.C, Kathwada,Ahmedabad-382430
E-Mail : info@zodiacenergy.com,Web:www.zodiacenergy.com
CIN No : U51909GJ1992PLC017694

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CLIENT	Principal Charotar Institute Of Technology
PO NO.	CHARUSAT/IDMS/2017/02/215, DATED-21.02.2017
PROJECT NO	SPV_264
PROJECT NAME	200 kw Solar PV Plant at Principal Charotar Institute Of Technology, Anand

SECTION	Description
1	Liasoning work
	GEDA Registration Certificate
	Drawing approval Letter CEIG
	Charging approval Letter CEIG
2	Drawing
	Solar Power Plant Drawing
	Single Line Diagram
	Structure Drawing
2	Solar Inverter
	Inverter Datasheet
	Test Report
	IEC Certificate
3	Solar Module
	Module Datasheet
	Flasher Report
	IEC Certificate
4	AC Cable / DC Cable
	Type Test Report / Routine Inspection
6	EARTHING
	Test Certificate
7	Connectors MC4
	TUV Certification (as per standard EN 50521)

LIASONING

Ref: GEDA/SOL-9179/2017/06/OW/ 11636

Date: June 06, 2017

By REGISTERED A.D.

To,
Chief Engineer (Project),
Madhya Gujarat Vij Company Limited (MGVCL),
Sardar Patel Vidyut Bhavan, Race Course,
Vadodara - 390 007

Chief Electrical Inspector,
Block no. 18, 6th floor, Udyog Bhavan, Sector-11,
Gandhinagar- 382 017

Sub: Registration of application for setting up of Solar Rooftop Project under Gujarat Solar Power Policy -2015.

Ref: Application registration no. RTSPVOTH06062017-9179 dated 06-Jun-17.

Sir,

With reference to above, the details of application received at GEDA are as under:

1. GEDA registration number is RTSPVOTH06062017-9179 dated 06-Jun-17.
2. Contract Demand 700 kVA Consumer no. 15241.
3. The application for Solar Rooftop Project capacity is 200 kW (DC); as per the copy of electricity bill provided by the applicant which is up to 50% of the Contract Demand.
4. Documents regarding ownership/ legal possession of the premises are provided by the applicant.
5. You may consider providing grid connectivity as per the provision of the policy and also enter into wheeling of power agreement with the applicant. The Energy Settlement option is Billing Cycle as per the provision of the policy.
6. The specification of Bi-directional meter/ upgradation of present meter to Bi-directional meter for Net Metering as per the provision of policy be provided to the applicant.
7. Commissioning shall be taken up by GEDA on the submission of CEIG permission along with connectivity and wheeling agreement with DISCOM.
8. The action taken in the matter for the above applicant may be intimated to GEDA for further considerations. Future correspondence may be referred with GEDA Application registration number.

Thanking you

Yours faithfully


(R. V. Arya) 13/06/2017
Sr. Project Executive I/c.

Cc to: (1) Principal Charotar Institute of
Technology,
Changa,
Petlad,
District- Anand-388421

O/c
D. K. Patel

You may install the Solar PV Rooftop
System on execution of Connectivity
agreement with DISCOM

OFFICE OF THE CHIEF ELECTRICAL INSPECTOR

Office of the Chief Electrical Inspector Udyog Bhavan, 6th Floor, Block No.18, Sector-11, Gandhinagar.

No/CEI/Gan/Plan/1778/2018

E-mail :
cei-epd@gujarat.gov.in

ph no : (079) 23256642 to 44

Date : 7/2/2018

fax no : (079) 232 566 51

To

PRINCIPAL CHAROTAR INSTITUTE OF TECHNOLOGY

Changa, Ta- Petlad, Dist- Anand-388421

Vi.Changa

Ta.Petlad

Dist.Anand, 388421

Subject Approval to the drawing for the electrical installation of 1 x 200.0 KW Grid Connected Solar Power Plant along with associated equipments at PRINCIPAL CHAROTAR INSTITUTE OF TECHNOLOGY, Changa, Ta- Petlad, Dist- Anand-388421 , VI.Changa, Ta.Petlad, Dist.Anand, Gujarat, 388421 (Consumer No. 15241).

Sir,

Referring to your online Application Electrical Installation-D-AND-20-01-2018-17-17-34 on date 20/01/2018 , the undersigned is pleased to approve the layout/alteration as shown in the enclosed drawing subject to the conditions that:

1. The work shall be carried out by Licensed Electrical Contractor of the Gujarat State.
2. The work shall be carried out in accordance with the relevant standards of the Bureau of Indian Standards.
3. If the installation is found defective in actual practice or any modification is necessary, you shall have to carry out addition and / or alteration as may be required by this Inspectorate.
4. Adequate fire protection shall be provided as required under the Central Electricity Authority (Measures relating to safety and Electric Supply) Regulations, 2010.
5. The value of earth resistance /I.R value shall be furnished along with the test report on completion of the work.
6. Adequate earthing shall be provided wherever required under the Central Electricity Authority (Measures relating to safety and Electric Supply) Regulations, 2010.
7. Safety Provision for Electrical Installations & Apparatus shall be provided as per Regulation 19,44,45,46,47, 48, 49 of the Central Electricity Authority (Measures relating to safety and Electric Supply) Regulations, 2010.
8. This approval doesn't contain approval for any kind of future installations mentioned in approved drawing and this approval is given only for those equipments which incorporated in above mentioned subject.

9. If there is/are any kind of DG set in your premise you will have to provide an arrangement of changeover switch or Electrical/Mechanical interlock between two breakers at output end of Solar power plant.

10. This approval is subject to condition that you have to provide "No Volt Relay" with contactor with auto reset facility

Your's Faithfully

HAIDERALI HUSAINALI KHOJA
CHIEF ELECTRICAL INSPECTOR
Gandhinagar

Encl: As above

Copy along with the drawings forwarded for information to:

Electrical Inspector, Nadiad.

Assistant Electrical Inspector, Nadiad.

Signature valid

Digitally signed by HAIDERALI
H KHOJA
Date: 2019.02.07 16:20:49 IST
Reason: Secure Document
Location: India

OFFICE OF THE CHIEF ELECTRICAL INSPECTOR

Office of the Chief Electrical Inspector Udyog Bhavan, 6th Floor, Block No.18, Sector-11, Gandhinagar.

No/CEI/Gan/Certi/3186/2018

E-mail :
cei-epd@gujarat.gov.in

ph no : (079) 23256642 to 44

Date : 22/3/2018

fax no : (079) 232 566 51

To

PRINCIPAL CHAROTAR INSTITUTE OF TECHNOLOGY

Changa, Ta- Petlad, Dist- Anand-388421

Vi.Changa

Ta.Petlad

Dist.Anand, 388421

Subject Initial inspection for the electrical installation of 200.2 KW Grid Connected Solar Power Plant along with associated equipments at PRINCIPAL CHAROTAR INSTITUTE OF TECHNOLOGY, Changa, Ta- Petlad, Dist- Anand-388421 , Vi.Changa, Ta.Petlad, Dist.Anand, Gujarat, 388421 (Consumer No. 15241).

Sir,

Initial Inspection of the Electrical Installation of 200.2 KW Grid Connected Solar Power Plant at Changa, Ta- Petlad, Dist- Anand-388421 , Vi.Changa, Petlad, Anand, Gujarat, 388421 for PRINCIPAL CHAROTAR INSTITUTE OF TECHNOLOGY has been carried out by DYCEI, Gandhinagar on 14/03/2018 and the same is found in order in accordance with the drawing approved vide this office letter No: No/CEI/Gan/Plan/1778/2018, Date: 07/02/2018. The details of the same are as following.

Details of Installation

No.	Particular	Solar PV Cells (Modules)
1	Make	ADANI
2	Capacity (Wp)	325
3	Total No. of Modules	616
4	Total Capacity (KWp)	200.2
Total (KWp)		200.2
No.	Particular	Inverters
1	Make	ABB,ABB,ABB,ABB
2	Capacity in KW/KVA	50KW,50KW,50KW,50KW
3	No. Of Inverters	1,1,1,1
4	Output Voltage in AC(V)	415,415,415,415
5	Sr.No.	1747132446,1747132423,1750120633,174912424 4

As provided under the Regulation 32 of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulation, 2010 permission is hereby granted to energize the above installation along with the associated equipments.

Your's Faithfully

HAIDERALI HUSAINALI KHOJA

CHIEF ELECTRICAL INSPECTOR
Gandhinagar

Copy forwarded to:

Applicant
Executive Engineer (MGVCL)
Dy. CEI, Gandhinagar
EI, Nadiyad
AEI, Nadiyad

Signature valid

Digitally signed by MAIDERALI
H KHOUJA
Date: 2019.03.27 17:37:13 IST
Reason: Signed Document
Location: India



अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

No. Central-1-398066333/2011/57 (2) 87

Dated: 05-09-2011

To
The Principal Secretary,
Higher & Technical Education,
Block No. 5, 9th Floor,
Sachivalaya, Gandhinagar - 382 010.

Sub: AICTE's approval for change of name of **Charotar Institute of Technology, Changa, Anand - 388 421** to **Chandubai S. Patel Institute of Technology, Changa, Anand - 388 421** reg.

- Ref: 1. No objection Certificate from Technical Education Govt of Gujarat vide letter No. NOC/102011-170-S dated 19-02-2011 for change of name as mentioned above.
2. NOC from the Affiliating University /Board Charotar University of Science & Technology, vide letter no. Nil dated 18/02/2011
3. Resolution by Governing Board Members approving Change of the Name of Institute.

I am directed to convey the approval of the Council for change of name of the Institute from **Charotar Institute of Technology, Changa, Anand - 388 421** to **Chandubai S. Patel Institute of Technology, Changa, Anand - 388 421** based on the request made by the institution and the No Objection Certificates from the Concerned State Govt and Affiliating University/Board as referred above.

This has approval of the Competent Authority on note sheet page no. 7/N of file no. 13-Misc./AICTE/Change of Name of Instts./2011.

Yours faithfully,

(Dr. Y.P.S. Berwal)
Director (PC)

Copy to:

1. The Advisor (Approval), AICTE, New Delhi - 110 001.
2. The Advisor (e-gov.), AICTE, New Delhi - 110 001.
3. The Regional Officer, Central Regional Office, AICTE, Tagore Hostel 2, Shamlia Hills Bhopal-462 002
4. The Director of Technical Education, Govt. of Gujarat, 2nd Floor, Block No.2, Jivaraj Mehta Bhawan, Gandhinagar - 382 010
5. The Registrar, Charotar University of Science & Technology, Charusat Campus, Changa, Dist : Anand - 388 421. Gujarat.
6. The Principal/Director, Charotar Institute of Technology, Changa, Anand - 388 421
7. Guard File.