

SOLAR ELECTRICAL DESIGN AND INSTALLATION – OFF GRID ONLINE CERTIFICATE COURSE

**AWARDED BY DR. GOPAL ENERGY FOUNDATION
(WWW.DGEF.IN)**

**REGISTRATIONS ARE OPEN
SEE SLIDE 5 FOR BATCH TIMING DETAILS**

ABOUT THE COURSE / ARE MY EMPLOYEES ELIGIBLE FOR THE COURSE ?

- THE NAME OF THE ONLINE COURSE IS **“SOLAR ELECTRICAL DESIGN AND INSTALLATION – OFF GRID ONLINE CERTIFICATE COURSE”**
- THE DURATION OF THE COURSE IS 0F 3 MONTHS
- THE COURSE COMPRISES OF 6 MODULES
- THE COURSE IS OPEN FOR **ENGINEERS/MANAGERS FROM ACROSS THE WORLD WORKING IN ENERGY PSUS AND RENEWABLE ENERGY COMPANIES OR PROFESSIONALS LIKE LAWYERS/CA/CS/ANYONE ELSE WHO WANTS TO EXCEL IN SOLAR ELECTRICAL DESIGN AND INSTALLATION – OFF GRID.**

HOW CAN I NOMINATE EMPLOYEES FOR THE COURSE ? WHAT IS THE REGISTRATION PROCESS ?

- ❑ **OPTION 1:** HUMAN RESOURCE DEPARTMENT HAS TO FILL IN **NOMINATION FORM (FORM 2)** AND SEND IT TO REGISTRAR, DR. GOPAL ENERGY FOUNDATION (MAXIMUM 12 EMPLOYEES]
- ❑ **OPTION 2:** FOR SELF REGISTRATION, FILL IN **REGISTRATION FORM (FORM 1)** AND SEND IT ALONG WITH THE PAYMENT DETAILS/DEMAND DRAFT REGISTRAR, DR. GOPAL ENERGY FOUNDATION
- ❑ **OPTION 3:** FOR ONLINE REGISTRATION VISIT <https://dgef.in/register> AND REGISTER YOURSELF ONLINE.

PLEASE KEEP THESE THINGS BEFORE STARTING ONLINE REGISTRATION-

- PASSPORT SIZE PHOTO.
- E-SIGNATURE.
- ID OF THE ORGANIZATION/INSTITUTION.

WHAT IS THE COURSE COVERAGE ?

THE DGEF'S ONLINE CERTIFICATE COURSE ON SOLAR ELECTRICAL DESIGN AND INSTALLATION – OFF GRID CONSISTS A TOTAL OF 6 MODULES -

- ❖ **MODULE 1** – Basic of Solar Energy
- ❖ **MODULE 2** – Solar Power Plant components
- ❖ **MODULE 3** – BOS and datasheet
- ❖ **MODULE 4** – Electrical designing and SLD
- ❖ **MODULE 5** – Installation of SPP
- ❖ **MODULE 6** – Best Practice of Solar system

WHAT IS THE DURATION OF THE COURSE/COURSE CALENDAR?

Online Certificate Course on Solar Electrical Design And Installation – Off Grid is a three month Course & would be conducted four times in a year as per following schedules:

| BATCH | DURATION | LAST DATE OF REGISTRATION | EXAM SCHEDULE |
|-------|-------------------|----------------------------|--|
| A | JANUARY – MARCH | 15 th December | 1 ST April- 7 th April |
| B | APRIL – JUNE | 15 th March | 1 st July – 7 th July |
| C | JULY–SEPTEMBER | 15 th June | 1 st Oct – 7 th Oct |
| D | OCTOBER– DECEMBER | 15 th September | 1 st Jan – 7 th Jan |

WHAT IS THE COURSE METHODOLOGY ?

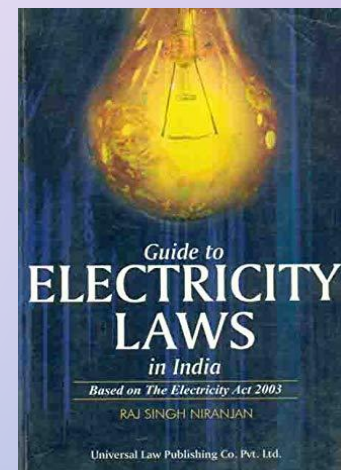
| S.No. | Method of Study | Innovative and flexible study approach |
|-------|--|--|
| 1. | READ - Study of Course Modules | Exclusive access to DGEF web portal – 2 available every month. Total 6 comprehensive modules in three months |
| 2. | WRITE - Article/Report Submission | Write article on any one topic of the module every month and upload at your convenience. |
| 3. | WATCH – Live Interactive Session –Energy Dialogue with Raj Singh Niranjana & Energy Law Experts | Exclusive opportunity to watch expert sessions (applicable to flagship courses) and invitation to attend weekly orientation sessions |

| | | |
|----|---|---|
| 4. | GROUP DISCUSSIONS – Community Learning | <p>Become part of community of Energy Professionals on Whatsapp group and discuss and network for lifelong learning</p> <p>Additionally, Knowledge Capsules will be shared in the group.</p> |
| 5. | ACCESS – VALUE ADDITION Commentaries, PPTs & Landmark Judgments | <ol style="list-style-type: none"> 1. Compilation of Landmark Judgments from Appellate Tribunal of Electricity and Supreme Court 2. Overview of modules in the form of powerpoint presentations 3. Detailed commentaries on Energy Treaties, Electricity Act, Electricity Rules, Electricity Regulations, Electricity Policies |

EXCLUSIVE OPPORTUNITY TO WATCH/JOIN
“ENERGY DIALOGUE WITH
RAJ SINGH NIRANJAN”
(JOINT INTRODUCTORY SESSION ON SOLAR LAWS & POLICY
WITH EXPERT FACULTY)
(APPLICABLE FOR FLAGSHIP COURSES)



Author of First Book on
Electricity Act 2003



Expert Faculty of Electricity Laws @



पावर मैनेजमेंट इंस्टिट्यूट
POWER MANAGEMENT INSTITUTE

DUAL CERTIFICATION PROGRAMME

- DGEF ONLINE COURSES ARE DUAL CERTIFICATION PROGRAMME.
- **CERTIFICATE 1- PARTICIPATION CERTIFICATE-** ALL DELEGATES ARE ELIGIBLE FOR PARTICIPATION CERTIFICATE. THE REGISTRAR AWARDS THE CERTIFICATE AFTER A MONTH OF JOINING THE COURSE.
- **CERTIFICATE 2- MERIT CERTIFICATE-** THIS IS AWARDED TO DELEGATES ON SUBMITTING MONTHLY ASSIGNMENTS AND ON SUCCESSFULLY COMPLETING THE ASSESSMENT THROUGH MULTIPLE CHOICE QUESTIONS. (THE DETAILS ARE PROVIDED IN THE NEXT SLIDES)

WHEN CAN I TAKE MCQ FINAL ASSESSMENT FOR AWARD OF CERTIFICATE ?

- FINAL ASSESSMENT CAN BE TAKEN WITHIN 7 DAYS OF THE COMPLETION OF THE COURSE.
- THE ASSESSMENT WILL HAVE 70 MULTIPLE CHOICE QUESTIONS, WHICH HAVE TO BE ANSWERED ONLINE.
- TIME DURATION OF THE EXAM WILL BE 35 MINUTES.

WHAT IS THE GRADING CRITERIA?

| S.No | Marks | Grade |
|------|--------|-------|
| 1. | 91-100 | A++ |
| 2. | 71-90 | A+ |
| 3. | 61-70 | A |
| 4. | 51-60 | B+ |
| 5. | 40-50 | B |

WHAT IS THE CERTIFICATE ELIGIBILITY CRITERIA ?

- TO GET THE FINAL CERTIFICATE, CANDIDATE WILL HAVE TO SECURE A TOTAL OF 40%, WHICH WILL BE OUT OF THE MONTHLY REPORT SUBMISSIONS (30%) AND A FINAL ASSESSMENT (70%).
 - THREE MONTHLY ASSIGNMENTS (10 MARKS X 3 = 30 MARKS)
 - MULTIPLE CHOICE QUESTION (70 MCQ = 70 MARKS)
- (COMPUTER GENERATES 70 MCQ FROM A QUESTION BANK OF 500 QUESTIONS)

WHAT IS THE COURSE FEE?

| S.No. | CATEGORY OF CANDIDATE | Contribution |
|-------|--|--------------------------|
| 1. | Engineers & Managers working in Energy PSUs, Regulatory Commissions and Renewable Energy Companies | INR 9,000/- USD 132/- |
| 2. | Professionals - Lawyers/Chartered Accountants / Company Secretaries | INR 9,000/- USD 132/- |

Note:

1. Contribution/ Donation to Dr. Gopal Energy Foundation are exempted U/S 80G (5) (VI) of income Tax 1961 vide Order No. DEL-DE27894-14072017/8757. Hence no GST is applicable.
2. Government of India Niti Ayog, Unique ID, DL/2019/0223520.
3. Government of India, Trademark Registry No. 3446707/3446706

EARLY BIRD/STUDENT CONCESSION POLICY

(IN TERMS OF DGEF ONLINE COURSES REGULATION, 2022)

- THE COMPANY/ORGANIZATION IS ELIGIBLE FOR 5% DISCOUNT IF THEY NOMINATE 5 PLUS EMPLOYEE/EXECUTIVES AND 10% DISCOUNT IF THEY NOMINATE 10 PLUS EMPLOYEE/EXECUTIVES.
- EARLY BIRD DISCOUNT IS INR 1,000/- (USD 14) FOR CANDIDATES WHO REGISTER 15 DAYS BEFORE THE LAST DATE OF REGISTRATION.
- ENGINEERING/MANAGEMENT/LAW STUDENTS CAN AVAIL STUDENT DISCOUNT OF INR 5,000/- (USD 67) ON SUBMISSION OF STUDENT IDENTITY CARD OF THEIR RESPECTIVE UNIVERSITY/COLLEGE OR A LETTER BY THE VICE-CHANCELLOR/HEAD OF THE INSTITUTION ADDRESSED TO REGISTRAR, DGEF INFORMING THAT THEY ARE BONAFIDE STUDENT OF THE INSTITUTION.
- IN TERMS OF REGULATION, ONLY 1 DISCOUNT FACILITY CAN BE AVAILED AT A TIME.

THANK YOU FOR SUPPORTING RIGHT TO ENERGY

CONTRIBUTIONS RECEIVED FROM NOMINATION OF CANDIDATE OR SELF REGISTRATION IS DONATED TO DR. GOPAL ENERGY FOUNDATION FOR PROMOTING RIGHT TO ENERGY MOVEMENT.

LETS TOGETHER WORK TO MAKE RIGHT TO ENERGY A FUNDAMENTAL RIGHT IN ALL THE CONSTITUTIONS OF THE WORLD AND INCLUDE IT IN THE UNIVERSAL DECLARATION OF HUMAN RIGHT AS A BASIC HUMAN RIGHT.

CONTRIBUTIONS / DONATION TO DR. GOPAL ENERGY FOUNDATION ARE EXEMPT U/S 80G (5) (VI) OF INCOME TAX 1961 VIDE ORDER NO. DEL-DE27894-14072017/8757.

DO YOU HAVE A RE-EXAMINATION POLICY ?

- **IN CASE OF FOLLOWING SITUATIONS, THE CANDIDATE CAN TAKE THE EXAM ON PAYMENT OF INR 900 EXAMINATION FEES WHICH IS SUBJECT TO THREE CHANCES ONLY.**
- THE CANDIDATE IS UNABLE TO TAKE EXAM AS PER SCHEDULED FOR WHATSOEVER REASONS (INCLUDING MEDICAL REASONS/ IMPORTANT MEETINGS/ OFFICIAL TOUR ETC).
- THE CANDIDATE IS UNABLE TO SECURE 40% AND ABOVE MARKS IN FIRST ATTEMPT.
- THE CANDIDATE WANTS TO IMPROVE MARKS FURTHER TO GET A BETTER GRADE.

LIST OF FEW POWER PSUs / ORGANIZATIONS / COMPANIES WHO HAVE JOINED & NOMINATED CANDIDATES



वाष्कोस लिमिटेड
WAPCOS LIMITED
(भारत सरकार का उपक्रम)
जल शक्ति मंत्रालय
(A Government of India Undertaking)
Ministry of Jal Shakti

इरेडा
IREDA
IS/ISO 9001:2015, ISO/IEC 27001:2013 Certified
(A Mini Ratna Category –I PSU)



नर्मदा नियंत्रण प्राधिकरण
NARMADA CONTROL AUTHORITY

Government of India
Ministry of New and Renewable Energy
Renewable Energy is Green, Clean and Sustainable



Delhi Electricity
Regulatory Commission

Haryana Power Generation Corporation Limited (HPGCL)



Haryana Power Generation Corporation Limited
(A Govt. of Haryana Undertaking)

National Thermal Power Corporation (NTPC Ltd)- Govt. of India Enterprise



NATIONAL THERMAL POWER CORPN. LTD.

SJVN Limited, Joint Venture of Govt. of India and Himachal Pradesh



SJVN LIMITED

(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh
A 'Mini Ratna' & Schedule 'A' PSU | ISO 9001:2015 Certified Company
CIN: L40101HP1988GOI008409

UJVN Limited, Govt. of Uttarakhand Enterprise



UJVN Limited

(A Govt. of Uttarakhand Enterprise)

CIN NO : U40101UR2001SGC025866

Patratu Vidyut Utpadan Nigam Limited



Patratu Vidyut Utpadan Nigam Limited

A Subsidiary of NTPC Ltd. in JV with JBVNL

POWER TRANSMISSION COMPANIES WHO HAVE JOINED & NOMINATED CANDIDATES



POWER DISTRIBUTION COMPANIES WHO HAVE JOINED & NOMINATED CANDIDATES



CESC LIMITED

DELEGATES/ ENERGY EXPERTS/ SPEAKERS ACROSS THE WORLD WHO HAVE JOINED DGEF EVENTS/ ONLINE COURSES



UAE



CHINA



NIGERIA



POLAND



INDIA



SINGAPORE



FIJI



FRANCE



GERMANY



HONGKONG



SPAIN



CYPRUS



SRI LANKA



BANGLADESH



CAMEROON



KENYA



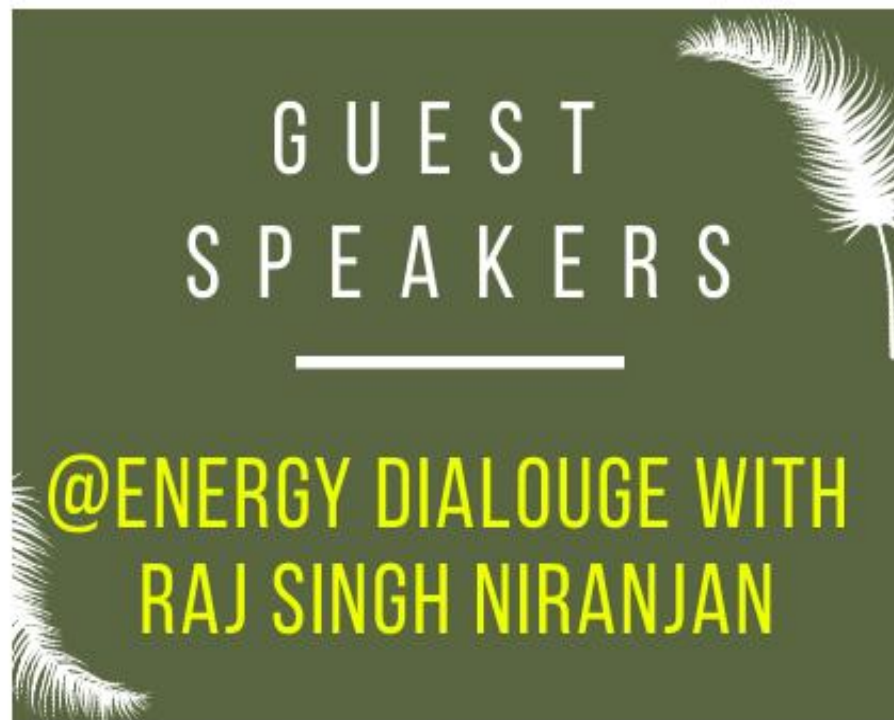
PORTUGAL



SOUTH KOREA



South Korea



Germany



India



Nigeria



Singapore



India

GOVT. RECOGNITION'S/ APPROVAL'S

Copyright Office
Government of India

Extracts from the Register of Copyrights

Dated : 26/12/2017

1. Registration Number : **L-71677/2017**

2. Name, address and nationality of the applicant : **DR. GOPAL ENERGY FOUNDATION, JA 120, DLF TOWER A, JASOLA DISTRICT CENTRE, NEW DELHI-110023 INDIAN**

3. Nature of the applicant's interest in the copyright of the work : **OWNER**

4. Class and description of the work : **LITERARY/DRAMATIC WORK**

5. Title of the work : **ONLINE CERTIFICATE COURSE ON ELECTRICITY LAWS AND TRAINING /WORKSHOP/SEMINAR FOR CAPACITY BUILDING IN ELECTRICITY LAWS**

6. Language of the work : **ENGLISH**

7. Name, address and nationality of the author and if the author is deceased, date of his decease : **RAJ SINGH NIRANJAN, TILA SUITE JA-120, DLF TOWER A, JASOLA DISTRICT CENTRE NEW DELHI-110023 INDIAN**

8. Whether the work is published or unpublished : **UNPUBLISHED**

9. Year and country of first publication and name, address and nationality of the publisher : **N.A.**

10. Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers : **N.A.**

11. Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any : **RAJ SINGH NIRANJAN, TILA SUITE JA-120, DLF TOWER A, JASOLA DISTRICT CENTRE NEW DELHI-110023 INDIAN**

12. Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright : **N.A.**

13. If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown). : **N.A.**

14. If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details. : **N.A.**

15. If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000, whether it has been applied to an article through an industrial process and, if yes, the number of times it is reproduced. : **N.A.**

16. Remarks, if any : **N.A.**

Diary Number : 1660/2017-CO/L
Date of Application : 30/12/2017
Date of Receipt : 30/01/2017

GOVT. OF INDIA

भारत सरकार
Government of India
व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry
व्यापार चिन्ह अधिनियम, 1999
Trade Marks Act, 1999
व्यापार चिन्ह के रजिस्ट्रीकरण का प्रमाणपत्र, धारा 23 (2), नियम 56 (1)
Certificate of Registration of Trade Mark, Section 23 (2), Rule 56 (1)

फॉर्म आरजी - 2
Form RG - 2

क्रमांक
No. 1818247

व्यापार चिन्ह संख्या / Trade Mark No. 3446707
दिनांक Date 02/01/2017
अ. संख्या (J. No.) 1823

यह प्रमाणित किया जाता है कि निम्न व्यापार चिन्ह की समस्त विशेषताएँ संलग्न हैं, वह _____ नाम से रजिस्ट्रीकृत हो चुका है।
Certified that Trade Mark / a representation is annexed hereto, has been registered in the name(s) of :-
DR. RAJINI PATEL NIRANJAN, 283 POCKET-L, SARITA VIHAR, NEW DELHI-110076, SERVICE PROVIDER, (Single Firm)

In Class **41** Under No. **3446707** as of the date **02 January 2017** in respect of
Goods and service as annexed

| Class | Goods Description |
|-------|--|
| 41 | TECHNICAL CONSULTATION FOR POWER SECTORS & PUBLICATIONS OF JOURNAL "ENERGY FOR ALL", CSR FOR ENERGY COMPANIES, INTERNATIONAL ENERGY ARBITRATION CENTRE (IEAC), INTERNATIONAL ENERGY CONFERENCE, ONLINE CERTIFICATE COURSE ON ENERGY LAWS, TRANS INDIA MOOT COURT COMPETITION, TRAINING WORKSHOP FOR CAPACITY BUILDING IN ENERGY SECTOR, OTHER CONNECTED MATTERS FOR PROMOTING ENERGY SECURITY OF THE NATION & ENERGY FOR ALL." |

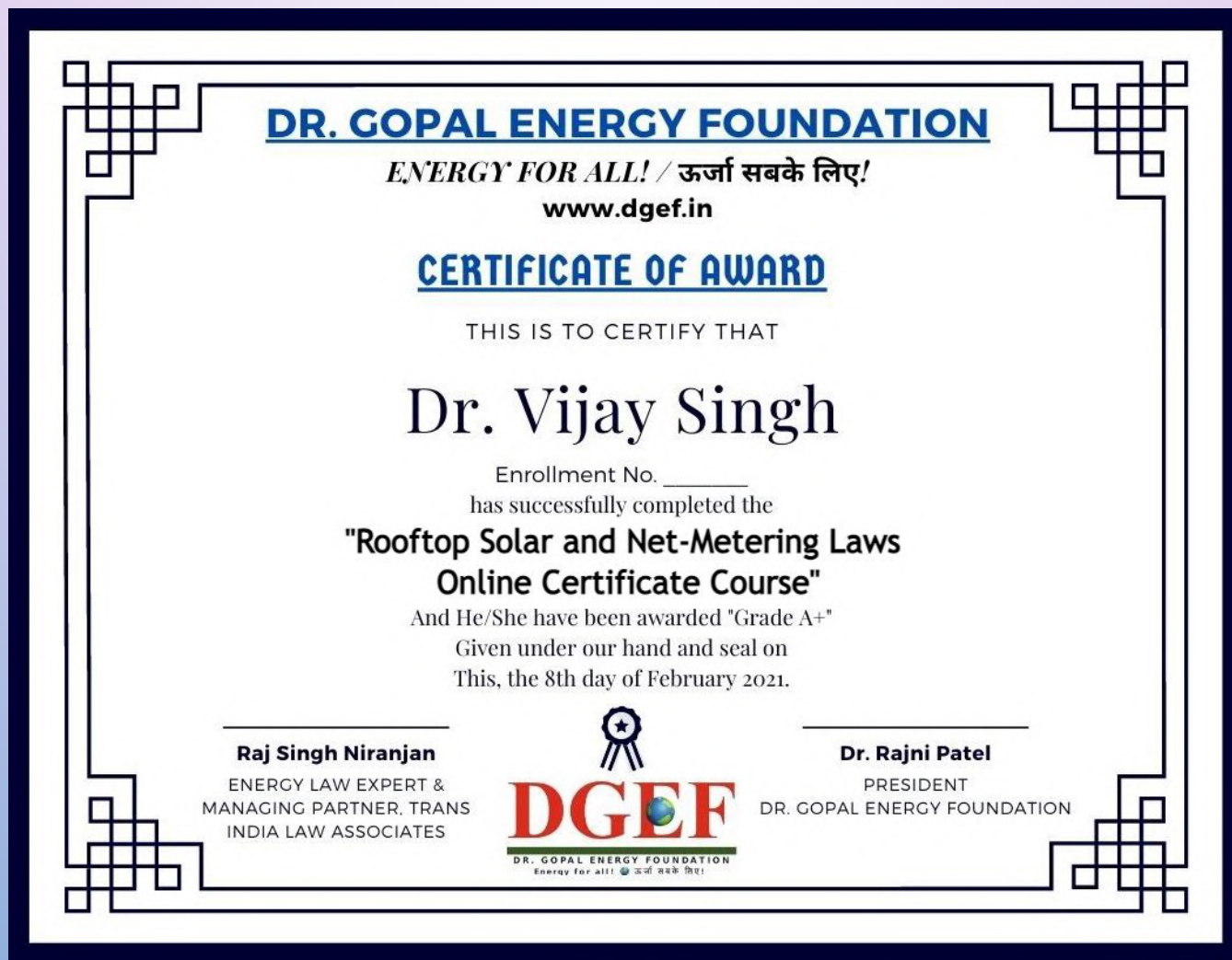
व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry MUMBAI

व्यापार चिन्ह अधिकारी
Registrar of Trademarks

नोट: इस प्रमाणपत्र के अंतर्गत में कोई परिवर्तन होने पर, या संशोधन के तुरंत प्रसार के तुरंत में या अंतर में अंतर के तुरंत में परिवर्तन होने पर परिवर्तन के लिए अपेक्षा तुरंत किया जाना चाहिए।
Note: Upon any change of ownership of this Trademark, or change in address, of the principal place of business or address for service in India a request should AT ONCE be made to register the change.

1. Contribution/ Donation to Dr. Gopal Energy Foundation are exempt U/S 80G (5) (VI) of income Tax 1961 vide Order No. DEL-DE27894-14072017/8757. Hence no GST is applicable .
2. Government of India Niti Ayog, Unique ID, DL/2019/0223520.
3. Government of India, Trademark Registry No. 3446707/3446706

SAMPLE/AWARD OF CERTIFICATE



HOW CAN I PAY THE COURSE FEES?

| S.No. | MODES OF PAYMENT | DETAILS |
|-------|--|---|
| 1. | BY RTGS/NEFT/ BY INTERNATIONAL TRANSFER | Dr. Gopal Energy Foundation, A/c No. 50100223204588, HDFC Bank, IFSC Code- HDFC0000923 |
| 2. | BY ECS/CASH DEPOSIT | Deposit cash at any Branch of HDFC across the India in favour of:- Dr. Gopal Energy Foundation, A/c No. 50100223204588 |
| 3. | BY DEMAND DRAFT/CHEQUE | The payment (Cheque / DD) should be drawn in favour of Dr. Gopal Energy Foundation, payable at New Delhi. |
| 4. | BY CREDIT CARD/ DEBIT CARD | Swiping Machine Available at New Delhi Office- Dr. Gopal Energy Foundation, JA-121, 1 st Floor, DLF Tower-A, Jasola District Centre, New Delhi-110025 |
| 6. | BY PAYMENTS GATEWAY | Pay online through link- https://www.dgef.in/payment |
| | GST NO./PAN NO. | 07AACTD3633N1ZK/AACTD3633N |

MAY I KNOW THE CO-AUTHOR OF THE COURSE?

| | |
|--|--|
|  | Managing Partner Trans India Law Associates (www.tila.in) |
|  | Legal Adviser International Solar Alliance |
|  | Founder, Dr. Gopal Energy Foundation (www.dgef.in) |
|  | Legal Adviser, India Africa Youth Energy Forum (Kigali, Rwanda) |
|  | Legal Adviser & Co – Chair Solar Business Club (Germany/France) |
|  | President, Global Energy Arbitration Centre, India |
|  | Author of Guide to Electricity Laws in India (First book on Electricity Act 2003) Author of Electricity laws Online Certificate Course |



**SH.
RAJ SINGH
NIRANJANA**

MAY I KNOW THE CO-AUTHOR OF THE COURSE? (WILL TAKE 11 EXCLUSIVE LIVE INTERACTIVE SESSIONS)

- ☐ Ph.D in Solar Photovoltaics
- ☐ 12+ Years Experience in Research & Development
- ☐ Given consultancy services to more than 1GW solar power project
- ☐ Certified Master Trainer with Skill Council for Green Jobs, GoI
- ☐ Certified Trainer with RENAC(Germany), NAREC (United Kingdom), EU and World Bank
- ☐ Lead Program Director & Master Trainer of Solar System Design Program “PVSYST” and “PVSOL”
- ☐ GEM-CP Certified Professional
- ☐ Trainer to International Participants of Ministry of External Affairs, GoI
- ☐ Expert in Technical Team in International Solar Alliance (ISA)

**NOMINATE CANDIDATE TODAY @ REGISTRAR@DGEF.IN
OR SELF REGISTER ONLINE NOW @ WWW.DGEF.IN**

FOR MORE INFORMATION, PLEASE CONTACT:

WHATSAPP +91 9810070075/ MOB:+91-8860635075

EMAIL – REGISTRAR@DGEF.IN

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NEW DELHI-110025**

**TEL.:91-11-26943664 | FAX: 91-11-26970075 | WECHAT /WHATSAPP +91
9810070075**

EMAIL: REGISTRAR@DGEF.IN / INFO@DGEF.IN | WEBSITE: WWW.DGEF.IN

HAPPY LEARNING