



SUPPORT PROGRAMMES

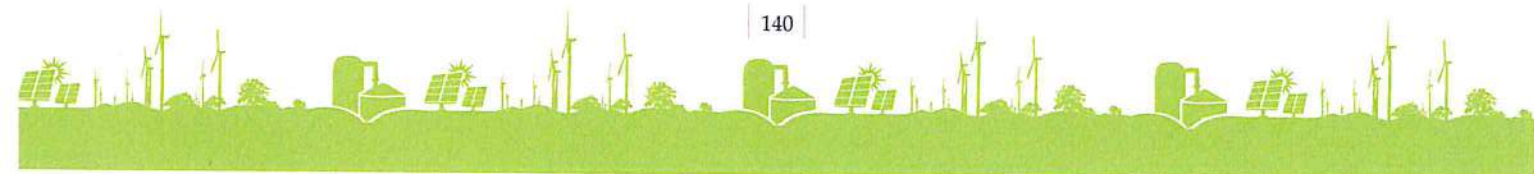
SUPPORT PROGRAMMES

11.1 INFORMATION AND PUBLIC AWARENESS PROGRAMME

- 11.1.1 In terms of renewable energy capacity, India stands among the top five countries in the world. The Ministry has implemented various policies and programmes for achieving the goals in renewable energy sector. Waiver of Inter-state transmission charges for sale of solar and wind power; Renewable Purchase Obligation trajectory, competitive bidding guidelines for procurement of solar and wind power; flexibility in generation and scheduling of thermal power stations; solar cookers programme; solar-wind hybrid policy; solar PV manufacturing linked with assured take-off; Atal Jyoti Yojana and standards for deployment of Solar PV systems are some of the major initiatives. In order to percolate all these initiatives, benefits and usage of renewable to the masses, information dissemination and publicity is essential. In this background, I&PA programmes for renewable energy are conceptualized and developed for implementation.
- 11.1.2 The Programme is implemented using Government channels viz. (i) Directorate of Advertising & Visual Publicity (DAVP); (ii) National Films Development Corporation (NFDC); (iii) Doordarshan; (iv) All India Radio (AIR); (vi) State Nodal Department/ Agencies for renewable energy; and (vii) NGOs/ Academic institution, etc., and participation in exhibitions of national importance by the Ministry and also through other relevant Institutions/Organization. It is also providing information and awareness through its three autonomous Institutions i.e. NISE, NIWE and SSS-NIBE and two PSUs i.e. IREDA and SECI extensively.
- 11.1.3 During the year, following I&PA activities were developed and implemented under the overall framework of the media strategy for renewables:-
- i. Ministry of New and Renewable Energy in association with Indian Institute of Technology (IIT), Bombay organized the Global Student Solar Ambassador Workshop on 2nd October 2019 at Indira Gandhi Stadium



The Minister of State for Power, New & Renewable Energy (Independent Charge) and Skill Development & Entrepreneurship, Shri Raj Kumar Singh addressing the Global Student Solar Assembly where students made Guinness Book World Record by assembling their own solar lamps and lighting them together to commemorate 150th Birth Anniversary of Mahatma Gandhi, at Indira Gandhi Indoor Stadium, New Delhi on October 02, 2019.





Complex Main Arena, New Delhi, wherein 10,000 students were given hands-on training on how to assemble their own solar study lamps, and created a Guinness World Record. Students also took a pledge of non-violence to Environment and adopt Renewable Energy. Wide range publicity was given for the same through print, electronic and outdoor media.

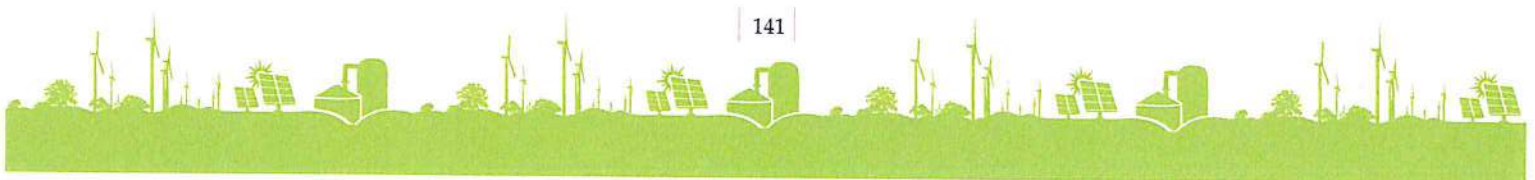
- ii. Publicity using electronic and print media was made for the Second Assembly of the International Solar Alliance (ISA) on 30th and 31st October 2019 at New Delhi.
- iii. A short video film competition has been organized by the Ministry to create awareness about renewable energy across the country.
- iv. Publishing the Ministry's bi-monthly newsletter 'Akshay Urja' continued in English and Hindi.
- v. Logo Supports were extended to different organizations for different events/exhibitions on Renewable Energy.
- vi. Programmes, schemes, achievements are regularly posted on Social Media through Ministry's three Institutes and two PSUs.

11.2 PLANNING AND COORDINATION

- (i) The Planning and Coordination Division is responsible for overall planning and coordination for all matters related to various schemes/programmes being implemented, various policy & fiscal reforms being undertaken, etc. by the Ministry. Its work involves maintaining a close liaison with different Programme Divisions of the Ministry and with other concerned Ministries/Departments i.e. PMO/NITI Aayog/MEA/Cabinet Secretariat, PIB etc. and State Government Agencies i.e. State Nodal Agencies, etc. on a regular basis.
- (ii) The activities handled by the division during the year 2019-20 majorly includes compilation and regular updation of data base for achievements made in grid and off grid renewable power, preparation of reports for Standing Committee on Energy related to Demand for Grants and other specific subjects selected for examination, monthly reports of major achievements/ initiatives, action taken notes and monthly DO letter for PMO/Cabinet Secretariat/PIB etc, multi-sectoral inputs/briefs for various meetings, inputs for speeches of Hon'ble President/Hon'ble Prime Minister/ Hon'ble Finance Minister/ Hon'ble Minister/ Secretary, replies to VIP ,other references/ questionnaires/ Parliament Questions involving multiple schemes/ programmes, updation of various portals such as PMG, E-samiksha, Pragati, etc., time-bound compilation of comments on various draft Cabinet notes, EFC/SFC, etc. received from other ministries/ departments, preparation of Output-Outcome framework for budget, etc.

11.3 HUMAN RESOURCES DEVELOPMENT

- (i) Human Resource Development (HRD) scheme of MNRE supports trainings for manpower at all levels including promoting higher studies/research courses in R&D/academic institutions in renewable energy by providing fellowships to students/scholars. Support is also provided to R&D/academic institutes for up-gradation of their libraries and labs for conducting higher degree courses such as M.Sc, M.Tech, and Ph.D in new and renewable energy. Under short term training programmes of HRD programme, a Skill Development Programme named *Suryamitra* was introduced in 2015 to train 50,000 skilled manpower and to create trained workforce for installation, commissioning, operation and maintenance of solar projects.
- (ii) The following are the various components of the HRD scheme:

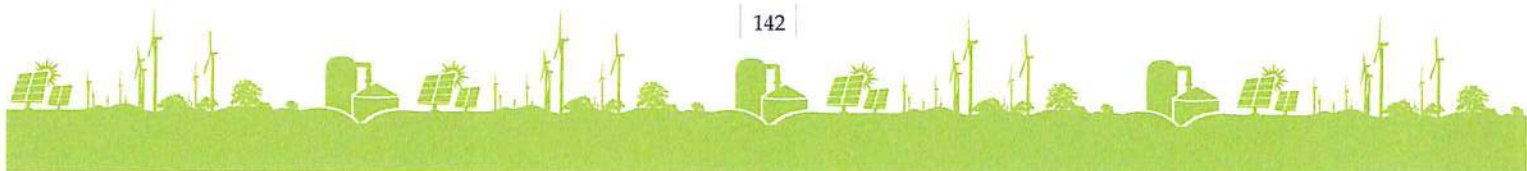


- a. Support to educational and other organizations for conducting short-term trainings on various aspects of renewable energy with focus on skill development at all levels;
- b. Suryamitra Skill Development Programme;
- c. Fellowships:
 - National Renewable Energy Fellowship (NREF) Scheme for pursuing M.Sc./M.Tech/ PhD/ PDF degree courses.
 - National Renewable Energy Science Fellowship Scheme for eminent scientists working in research institutes with an innovative idea in solar energy;
- d. Support to higher educational institutions for laboratory and library upgradation;
- e. Development of course/ study materials through experts/expert institutions; and
- f. Internships.

11.3.1 NATIONAL RENEWABLE ENERGY FELLOWSHIP SCHEME

- (i) Ministry continued its support to students/scholars for pursuing higher studies such as M.Sc, M.Tech, Ph.D, courses in renewable energy in 12 selected educational institutions by way of providing fellowships/stipend under NREF Scheme. In the beginning of 2019-20, 34 Ph.D, 29 M.Tech/M.E and 20 M.Sc fellowships were being provided under NREF programme out of which 5 fellows completed Ph.D, 7 students got M.Tech/M.E degree and 10 students got M.Sc (Renewable Energy) degree in 2019-20. During 2019-20, 28 M.Tech, 41 for JRF/SRF and 20 for M.Sc fellows are continuing under NREF programme out of which 6 M.Tech, 12 Ph.D and 10 M.Sc fellowships are awarded in the year 2019-20. The NREF fellows/students have published 10 research papers in the national and international journals of repute, besides presenting 5 papers in seminars totalling to the scientific output of NREF fellows to 568 research papers and 171 papers in seminars and 3 filed patents. The list of supported institutes is given in **Table 11.1**.

Table 11.1: Institutions allotted Fellowships by MNRE under NREF scheme, 2019-20	
S.No.	Institutions allotted Fellowships for M. Sc, M.Tech, JRF/SRF (Ph.D)
1.	Indian Institute of Technology, Kharagpur
2.	Indian Institute of Technology, Roorkee
3.	Anna University, Tamilnadu
4.	Pune University, Pune, Maharashtra.
5.	Pondicherry University, Pondicherry.
6.	Shri Mata Vaishno Devi University, Katra, J&K.
7.	Jadavpur University, Kolkata
8.	Cochin University of Science and Technology, Cochin
9.	Indian Institute of Engineering Science & Technology, Shibpur, West Bengal.
10.	University of Lucknow, Lucknow.
11.	National Physical Laboratory (NPL), CSIR, New Delhi
12.	Central University of Jharkhand , Ranchi





11.3.2 ENHANCEMENT OF LIBRARY AND LABORATORIES

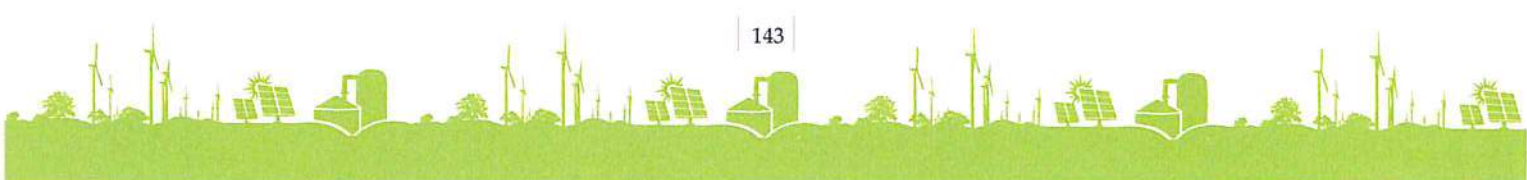
Gandhigram Rural Institute, Tamilnadu was supported for upgradation of laboratory facilities in the year 2019-20. Up-gradation activities of the laboratory and library facilities supported by the Ministry in the previous year in Pandit Deendayal Petroleum University, Gandhi Nagar and Tezpur University, Assam are undergoing.

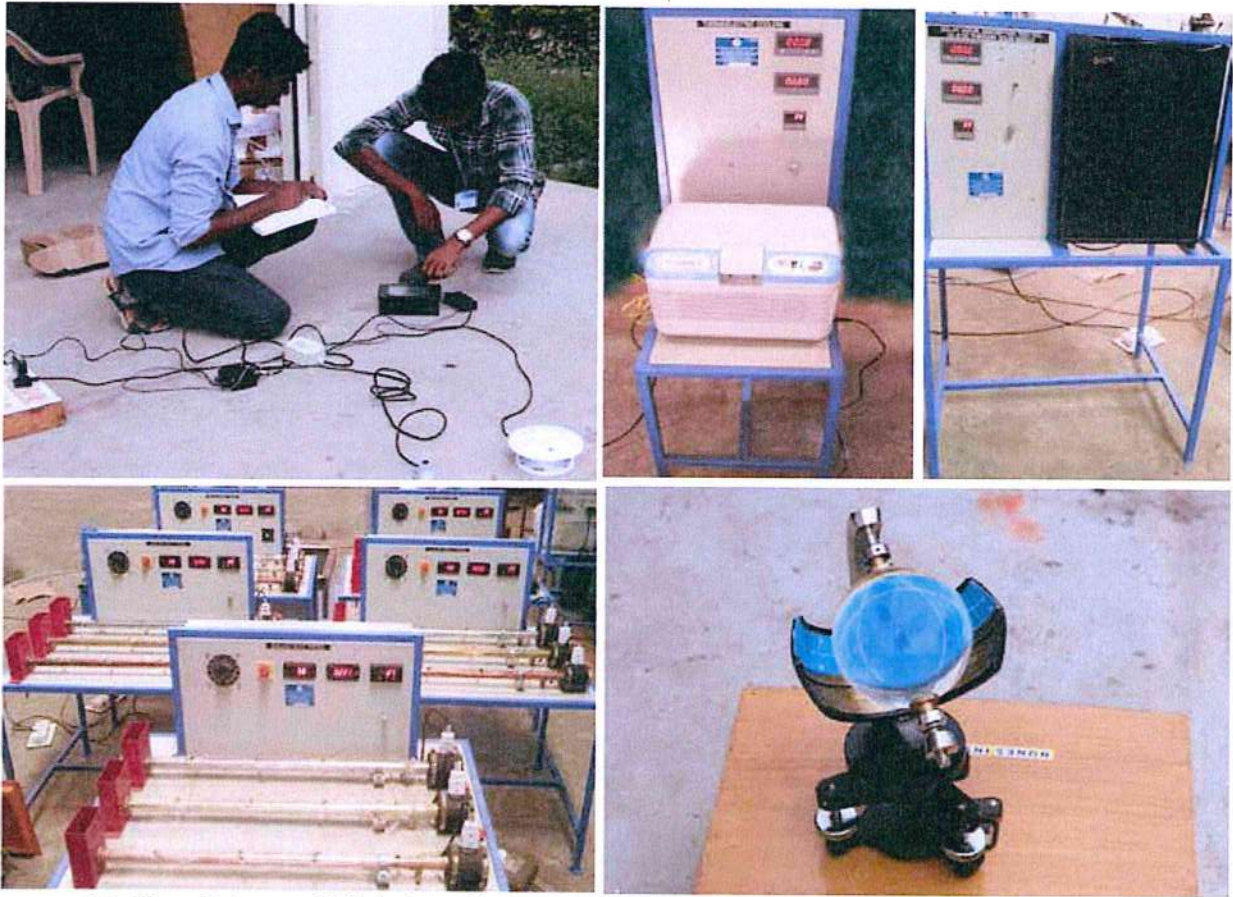


Bio Energy Laboratory - M. Tech., Renewable Energy Students The Gandhigram Rural Institute - Deemed to be University



Solar PV Laboratory - B. Voc., Renewable Energy Students The Gandhigram Rural Institute - Deemed to be University

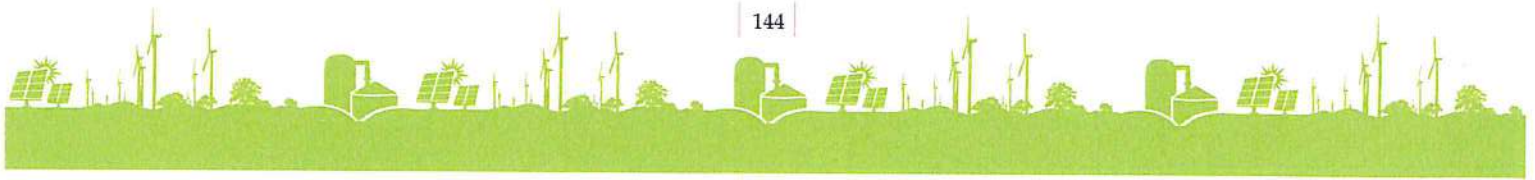




Solar Thermal Laboratory - M. Tech., Renewable Energy Students, The Gandhigram Rural Institute - Deemed to be University



Wind Energy Laboratory - Renewable Energy Simulation Laboratory, The Gandhigram Rural Institute - Deemed to be University



11.3.3 TRAININGS

11.3.4 SURYAMITRA TRAINING

Ministry launched Suryamitra Skill Development Programme in the year 2015 to train 50,000 Suryamitras by the year 2020 and set a target to provide 20900 Suryamitras training in the year 2019-20. For the current year, Suryamitra Trainings are being organized through 223 training centres/ organisations in different states across the country empanelled through Expression of Interest (EOI) floated by National Institute of Solar Energy in the month of March, 2018. During the current year 2019-20, 20700 no. Suryamitra training is allocated in 690 batches in 223 training centres throughout the country against the target of 20900 for the year 2019-20. Total 40,441 no. of Suryamitras have been trained up to 31st December, 2019. The state wise progress of the Suryamitra programme is shown in **Table 11.2**.

11.3.5 NATIONAL RENEWABLE ENERGY INTERNSHIP SCHEME (NREI)

Ministry of New and Renewable Energy has launched a new scheme The National Renewable Energy Internship (NERI) Scheme for students and young researchers working in Renewable Energy sector in October 2019. Under the scheme MNRE will provide internship opportunity to facilitate students pursuing under graduate/graduate/post graduate degrees or research scholars enrolled in recognized institutes/ universities with in India or abroad, as Interns. Those pursuing graduate or post graduate degree course



Glimpse of Suryamitra Programmes at various locations across the country

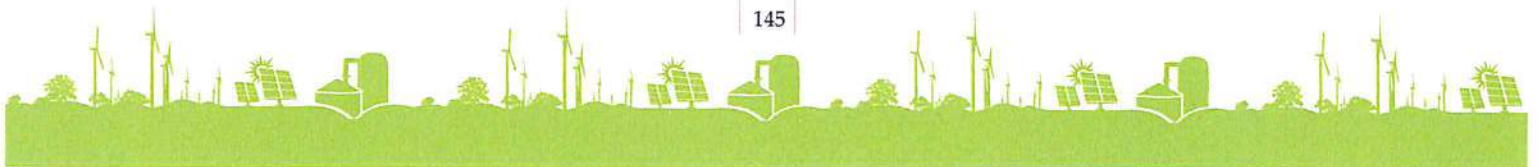
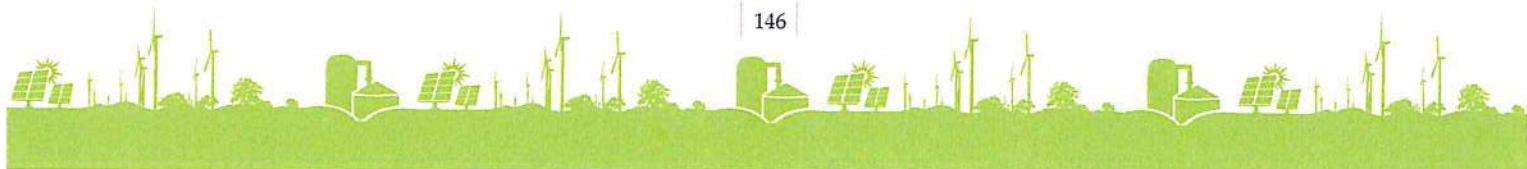


Table 11.2: Progress of Suryamitra Training in different States 2015-19 & 2019-20 (till 31st December, 2019)						
S. No.	State/UTs	Targets of Suryamitras to be trained by march 2020	No. of Suryamitras Trained in 2015-2019	No. of Suryamitras training in - 2019-2020		Total No. of Suryamitras
				Trained	On-going	
1	Andaman & Nicobar	100	0	0	0	0
2	Andhra Pradesh	2000	1308	268	146	1722
3	Arunachal Pradesh	200	30	0	0	30
4	Assam	2500	833	357	30	1220
5	Bihar	2500	1139	298	155	1592
6	Chandigarh	100	148	60	0	208
7	Chhattisgarh	2000	1227	409	117	1753
8	D. & N. Haveli	10	0	0	0	0
9	Daman & Diu	10	0	0	0	0
10	Delhi	500	432	180	0	612
11	Goa	400	174	60	30	264
12	Gujarat	2000	2136	530	150	2816
13	Haryana	1000	937	330	90	1357
14	Himachal Pradesh	500	324	90	0	414
15	Jammu & Kashmir	700	244	60	30	334
16	Jharkhand	2000	517	179	0	696
17	Karnataka	2500	1371	256	0	1627
18	Kerala	2000	495	120	60	675
19	Lakshadweep	100	30	0	0	30
20	Madhya Pradesh	4000	2522	882	208	3612
21	Maharashtra	4000	2933	686	313	3932
22	Manipur	500	150	0	0	150
23	Meghalaya	250	0	0	0	0
24	Mizoram	200	0	0	0	0
25	Nagaland	200	60	0	0	60
26	Orissa	2500	1766	240	30	2036
27	Puducherry	50	62	0	0	62
28	Punjab	2000	323	30	0	353
29	Rajasthan	2500	2006	706	120	2832
30	Sikkim	200	0	0	0	0
31	Tamil Nadu	2500	2142	687	242	3071
32	Telangana	2000	1914	698	258	2870
33	Tripura	250	148	30	0	178
34	Uttar Pradesh	5000	2608	862	222	3692
35	Uttarakhand	500	680	176	30	886
36	West Bengal	2500	2433	1155	66	3654
Total		50270	31092	9349	2297	42738
Total trained by 31st December 2019		-	40441	-	-	





in Engineering Management/ Law/ Science stream (Physics/ Chemistry/ Renewable energy/ Energy/ Biotechnology/ Biological Science/ Environmental Science, etc.) in recognized University/institution within India or abroad and the persons working in RE area in National, International, Non-Governmental Institutes/organisations will be eligible to apply under the scheme. The internship will be on unpaid basis. No stipend will be provided to interns. It will be available throughout the year as per the MNRE requirement and applications are invited through online. Every year, the internship will be provided to a maximum of 40 interns, with not more than 20 interns being in position at any point of time, the ministry added. Detailed guidelines and application link can be obtained from the website www.mnre.gov.in. The registration for internship under the scheme was formally thrown open on 29 Nov. 2019 with MNRE inviting online applications under the scheme from eligible candidates. The scheme has evoked an enthusiastic response as so far 286 applications have been received online till 31st December 2019 in which 156 applied for MNRE, 53 for NIWE, 38 for NISE, 13 for SECI, 9 for NIBE and 17 for IREDA. The applications for the internship will be finalised soon.

11.4 ADMINISTRATION – E-GOVERNANCE, VIGILANCE, LIBRARY, RIGHT TO INFORMATION

11.4.1 E-GOVERNANCE (NIC)

National Informatic Centre (NIC) is the IT backbone of GOI. NIC spearheaded Informatics-Led-Development by implementing ICT applications in social and public administration and facilitates electronic delivery of services to the government (G2G), business (G2B), citizen (G2C) and government employee (G2E). NIC, through its ICT Network, NICNET, has institutional linkages with all the Ministries /Departments of the Central Government and state governments.

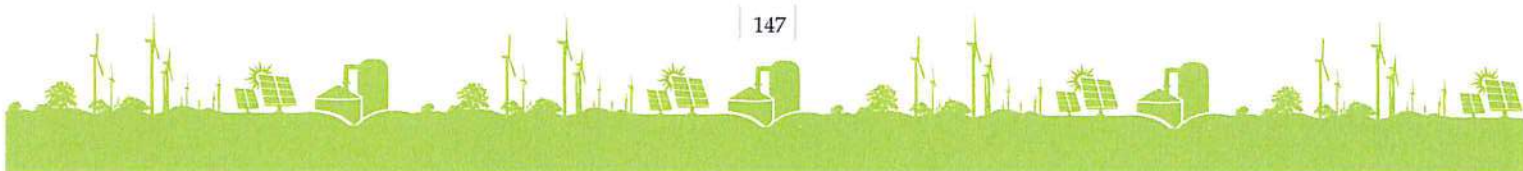
11.4.2 SOLAR ROOFTOP INSTALLATION (<https://solarrooftop.gov.in> SPIN)

Solar rooftop is one of the schemes monitored by the PMO. NIC has developed an online portal namely SPIN (<https://solarrooftop.gov.in>). The basic purpose of SPIN is to monitor the installation of Solar Rooftop all over the country. The stake holders of this application are State Nodal Agencies/ SECI, Developers, General Public and MNRE Officials. Through this application proposals are submitted; sanctions and submission of project completion reports and release of subsidy is completely online.

11.4.3 SOME OF HIGHLIGHTS OF SPIN

SPIN new version is on the way to launch with the new technologies' integration.

1. 10 New States portal has been integrated with SPIN and 12 other states are on the way. Which will help states entities to avoid double entry of the data in state as well as SPIN portal as now when they will enter in the state portal it will automatically reflect in the Centre SPIN portal.
2. Integration with DARPAN and DBT portal.
3. Paperless monitoring of Rooftop installation through SPIN.
4. Managing proposals, sanctions, targets of SNA, PSU's.
5. Communication with stakeholders through NIC Email & SMS.
6. This year we generated many more MIS report.





11.4.4 MINISTRY WEBSITE (<http://mnre.gov.in>)

Ministry of New and Renewable Energy (MNRE) website was designed in-house using latest ICT tools. The site is being updated regularly in both English and Hindi. This is one of the high hit Website of GOI.

11.4.5 E-OFFICE

It is a web-based system implemented and maintained for effective online monitoring of movement of files and receipt in the ministry. The e-Office product aims to support governance by ushering in more effective and transparent inter and intra-government processes. The vision of e-Office is to achieve a simplified, responsive, effective and transparent working of all government offices. NIC's e-Office product is based on an Open Architecture Framework that contains the required flexibility for scaling and meeting the dynamic needs of the Government. E-Office is being implemented in all Government Offices / PSU's. E-Office in the ministry was started during June 2016 and till the end of December 2019 around 14050 files and 128015 receipts have been generated. E-Office implementation has been 100% in MNRE.

11.4.6 EHRMS

Manav Sampada application is a common application tool for personnel management activities like monitoring, planning, recruitment, posting, promotion, transfer, maintenance of service history etc. It is developed, maintained and hosted by NIC and available at <http://ehrms.gov.in>. It is a G to E application. This year leave module is implemented and the service book part is still in the process.

11.4.7 CUSTOMS DUTY EXEMPTION FOR SOLAR THERMAL AND PHOTOVOLTAICS

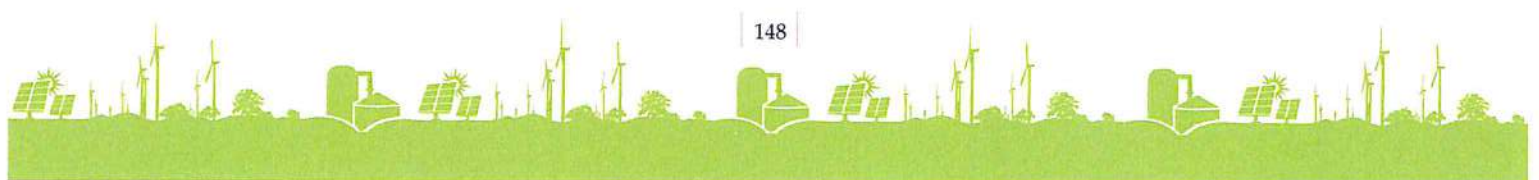
- (i) Ministry is issuing customs duty exemptions and excise duty exemptions for various developers based on various conditions. An online system namely CCMS has been designed, developed and implemented to assist the ministry to issue concessional custom duty and Excise duty certificate for Solar Thermal and Photovoltaic projects located throughout the country.
- (ii) This year a new domain namely scms.gov.in has been registered and hosted on the cloud. As of now around 31790 certificates were approved since the inception in 2017.

11.4.8 RENEWABLE ENERGY (RE) PORTAL (<http://akshayurja.gov.in>)

Akshay Urja portal has been developed for demonstration of overall potential available, total capacity addition and monthly generation for each energy including grid connected and off grid. These data are demonstrated state wise. This portal gives an overall picture of the physical achievement of the Ministry. This portal is updated every month by collecting the capacity addition data from P&C division and generation data from CEA.

11.4.9 ACTIVITY MONITORING DASHBOARD (<http://pams-mnre.gov.in>)

Activity Monitoring Dashboard has been developed to closely monitor the on-going activities of the Ministry and subordinate autonomous bodies and PSUs. In this portal, key activities and their sub activities along with responsible officer and likely date of commissioning are entered and then as per the progress of the activities, comments are entered by concerned officer by using their login ids.



11.4.10 INDIAN RENEWABLE ENERGY IDEA EXCHANGE (<http://irix.gov.in>)

IRIX is a multi-stakeholder collaborative platform to exchange and catalyze ideas on Renewable Energy. This platform aims to bring together industry experts, renewable energy community, relevant entrepreneurs and policy makers to drive exponential adoption of innovation in the renewable energy space. It will provide a medium to promote the exchange of ideas among energy conscious Indians and global diaspora that further leads to actionable insights and facilitate the development and deployment of renewable energy in India.

11.4.11 INTERNSHIP PROGRAMME

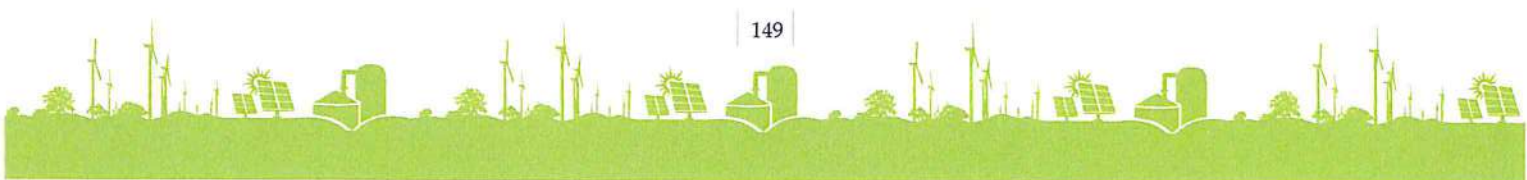
MNRE is in the process of developing a new portal for Human resource division. This year ministry has started a new scheme called Internship mainly for students. As a part of HRD portal the submission of the internship form has been started. The full portal will be launched soon.

11.4.12 CONCESSIONAL CUSTOM DUTY EXEMPTION CERTIFICATE (CCDC)

In order to promote the local manufacturing of the wind energy turbine and its components Ministry issues CCDC certificates to the recognized manufacturers as per the Ministry of Finance guidelines. For ensuring quality and safety of the wind turbines and components only Type Certified wind energy turbines which are empanelled in the RLMM list of the Ministry are considered for issuance of CCDC. Besides, the imported parts/components must be adhered to the design/suppliers as per valid type certificate only. An application namely <http://ccdcwind.gov.in> has been developed and hosted and is being widely used by all the stake holders.

11.4.13 VIGILANCE

- (i) The Vigilance Division of the Ministry of New and Renewable Energy (MNRE) is entrusted with taking anti-corruption measures in accordance with various rules, guidelines and instructions issued by the Government of India and the Central Vigilance Commission. The Vigilance Wing of the Ministry looks after vigilance work within the Ministry and its three autonomous bodies, namely National Institute of Solar Energy (NISE), National Institute of Wind Energy (NIWE) and National Institute of Bio-Energy (NIBE). The Division is also entrusted with the upkeep of Annual Performance Appraisal Reports (APARs) and Immovable Property Returns (IPRs) of officials of the Ministry.
- (ii) The complaints received in the Vigilance Division during the year 2019 were examined as per Rules & guidelines and necessary action was taken wherever there was violation of Rules.
- (iii) The Vigilance Awareness Week was observed in the Ministry from 28th October, 2019 to 2nd November, 2019. Following activities were undertaken as part of Vigilance Awareness Week:
 - a. The Integrity Pledge was administered to all the staff and officers by the Special Secretary in MNRE.
 - b. An Expert lecture was conducted on Preventive Vigilance for the Ministry officials.
 - c. Essay competition for the officials of the Ministry was organized.
 - d. Slogans on curbing corruption and preventive vigilance with banners were placed in the premises of the Ministry.
 - e. A Poster Making Competition was organised on Vigilance Issues.



- (iv) As part of preventive vigilance, a list of sensitive and non-sensitive posts of the Ministry has been prepared and Administration Division of the Ministry has been sensitized to follow the rotation policy in postings.
- (v) Probity related matters on e-portal was uploaded in respect of this Ministry and its Autonomous Organizations and vigilance related information in respect of Board Level Officers is being updated monthly on e-portal SOLVE. Officers of this Ministry are also constantly reviewed under 56(j), as per Rules.

11.4.14 LIBRARY

- (i) The Library of the Ministry of New and Renewable acts as a reference centre and knowledge house in the field of renewable energy. At present about 15378 books (including gifted books) are available in the library covering very diverse areas including the subjects such as Renewable Energy, Climate Change, Natural Sciences, Sustainable Development, History, Sociology, Indian Literature, Computer Science, etc. The collection in the library also includes books of general interest like food, cooking, sculpture, painting, mountaineering etc.
- (ii) The Library Committee constituted in the Ministry scrutinizes and recommends the books for procurement by the library. Presently, this committee has given its approval for purchase of about 60 Hindi books, 90 administrative books, 20 general and technical books in the library, which will be purchased before 31 March 2020.
- (iii) The library is currently subscribing to 40 periodicals in Hindi and English languages. Besides, as per requirement, a total number of 24 newspapers in Hindi and English languages are also being subscribed by the library. The library is providing current awareness service through news clippings among its users. This library has started working smoothly in the cloud based library software e-granthalaya version 4.0, working towards automation to provide better services to its users.

11.4.15 RIGHT TO INFORMATION

- (i) The Ministry is implementing the Right to Information (RTI) Act, 2005 as per the laid down guidelines of Department of Personnel and Training (DoPT), Central Information Commission and Ministry of Home Affairs. The Procedure / other details regarding seeking information under RTI Act 2005 are available at the MNRE website www.mnre.gov.in.
- (ii) The Ministry has designated Central Public Authority (CPIO) and First Appellate Authorities (FAA) to respond the RTI applications and first Appeals in accordance with subjects assigned to them. A list of CPIOs and First Appellate Authorities is given in Table 11.3. The RTI Unit of this Ministry headed by Ms. Alka Joshi, Dy. Secretary coordinates all the physical and online applications and persuades to CPIOs and First Appellate Authorities to reply them within the stipulated time lines to the extent possible.
- (iii) The progress report in terms of RTI applications/First Appeals received, disposed-off as well as pendency during the period (01.01.2019 – 31.12.2019) is given in **Table 11.3**.

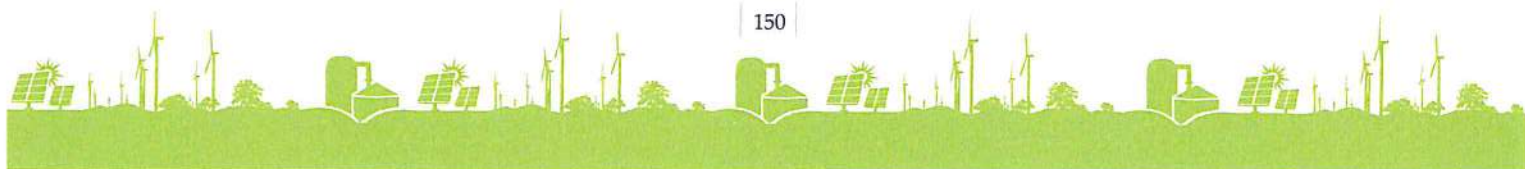




Table 11.3: List of Designated Central Public Information Officers (CPIOs) and Appellate Authorities based on re-allocation of Work (As on 11/10/2019) at Ministry of New and Renewable Energy

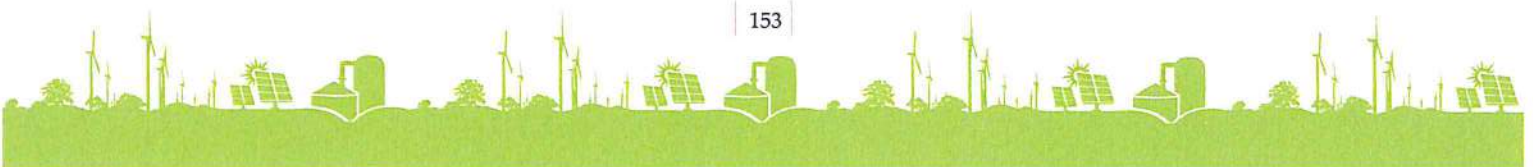
S. No	Subject	CPIO	Appellate Authority
1	Climate Change related initiatives including Clean Development Mechanism (CDM), Renewable Purchase Obligations (RPO) related issues, REC Policy, INSPA, NCEF, Hydrogen, Fuel Cell and IREP, Electrical Vehicle and National Board of Electric Mobility, New Technology, Specific references of Information & Public Awareness and Renewable Energy Policy and Regulations.	Shri Dipesh Pherwani, Scientist 'B'	Dr. P.C. Maithani, Scientist 'G'
2	Planning and Coordination	Shri Anubhav Uppal Scientist 'B'	Dr. Pankaj Saxena, Scientist 'F'
3	Green Energy Corridor , Geothermal, Ocean / Tidal	Shri Rohit Thakwani, Scientist 'B'	Shri Girish Kumar, Scientist 'E'
4	Information Technology, Development of Re-Portal	Shri Vikram Dhaka, Scientist 'B'	Shri Bhanu Pratap Yadav JS
5	Solar Thermal Group-Solar Conc. and Solar Cookers	Shri Aravindh MA, Scientist 'B'	Shri J. K. Jethani, Scientist 'E'
6	NTPC-Bundling Scheme, NTPC-EPC Scheme, Solar City Programme, Green Buildings	Shri Aravindh MA, Scientist 'B'	Shri A. Narvane, Scientist E
7	Biomass Power Schemes and Policies, Bio Energy Mission, Biomass Gassifier, Cookstove,	Ms. Priya, Scientist 'B'	Shri K.Salil Kumar, DS
8	Waste to Energy	Shri Vijay Kumar Bharti Scientist 'B'	Shri K. Salil Kumar, DS
9	Biogas Power, National Biogas Programme, Biogas Training Centres and Biogas R&D	Shri S.R. Meena, Scientist 'C'	Shri G. L. Meena, Scientist 'G'
10	Lab Policy, Standards and Quality Control	Ms. Rohini Subramanyam SO	Shri B. S. Negi, Scientist 'G'
11	IREDA, All Administrative matters of SECI	Shri Arvind Sahadev Gholap, SO	Dr. Pankaj Saxena, Scientist F
12	Off-Grid Solar, Agri Pump Scheme, Street Light, Home Light, SADP, Akshay Urja Shop, KUSUM	Shri Shobhit Srivastava Scientist 'C'	Shri Jeevan Kumar Jethani, Scientist 'E'
13	VGF Scheme, GBI, Demonstration Scheme	Shri Neeraj Kumar, Scientist 'C'	Shri Dilip Nigam, Scientist 'G'



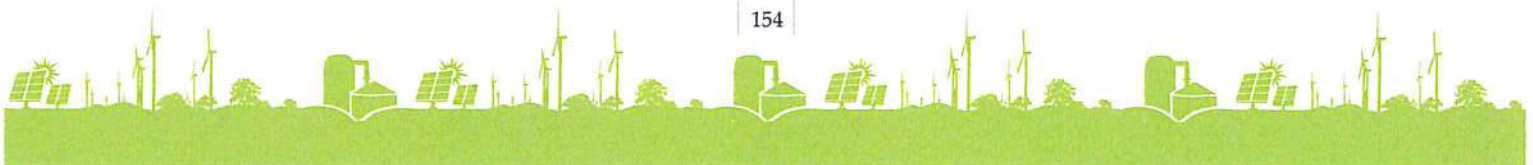
14	Energy Storage, E-Mobility and International Solar Alliance and Specific references of Renewable Energy Policy and Regulations	Shri Tarun Singh Scientist 'C'	Dr. P.C. Maithani, Scientist 'G'
15	Solar Rooftop Top, External aid under Rooftop Scheme, TA under RT Scheme	Shri Hiren Borah, Scientist 'C'	Shri Aujender Singh, DS
16	Small Wind, Wind Energy (Off – Shore), Wind R&D	Shri P.K Dash Scientist 'C'	Shri B.K Panda Scientist 'E'
17	Wind Energy (On-shore)	Shri Rahul Rawat, Scientist 'B'	Shri G Upadhyay Scientist 'F'
18	Solar (R&D) (ST&SPV), Solar Water Heater, Solar Thermal Group – Flat Plate/ Evacuated	Shri Anil Kumar, Scientist 'D'	Shri Rajesh Kumar, Scientist 'F'
19	Grid Connected PV&ST-I (HVVA related & all others), Greening of Islands	Shri Sanjay Karndhar, Scientist 'C'	Shri Ruchin Gupta, Director
20	EFM Division	Shri Sanjay Prakash, Scientist 'C'	Shri P. C. Maithani, Scientist 'G'
21	Organization of RE – Invest	Dr. P.C. Pant, Scientist 'F'	Shri Bhanu Pratap Yadav, JS
22	DBT Cell	Shri Arun Kumar, Scientist 'C'	Shri Bhanu Pratap Yadav, JS
23	GST related to Biogas	Shri S.R Meena, Scientist 'C'	Shri Ruchin Gupta, Director
24	GST related to Wind CDC/EDE	Shri S K Khurana, US	Shri Ruchin Gupta, Director
25	GST related to Solar CDC/EDE	Shri Arun Kumar, Scientist 'C'	Shri Ruchin Gupta, Director
26	GST related to Grid Solar	Shri Sanjay Karandhar, Scientist 'C'	Shri Ruchin Gupta, Director
27	GST related to Off Grid Solar	Shri Shobhit Srivastava Scientist 'C'	Shri Ruchin Gupta, Director
28	GST related to Biomass	Ms. Priya, Scientist 'B'	Shri Ruchin Gupta, Director
29	Financial Sanctins, Manufacturing of Wind Turbine, (CCDC) (Concessional Custom Duty Certificate)	Shri S.K Khurana	Shri B.K Panda, Scientist 'E'
30	I& PA and Seminar & Symposia,	Shri D.K Pandey, US	Shri N. B Raju, Scientist 'E'



31	Vigilance	Ms. Sunita Dhewal, US	Dr. Pankaj Saxena, Scientist 'F'
32	National Solar Mission, Solar Park, Defence Schemes,	Shri Devendra Singh, US	Shri Dilip Nigam, Scientist 'G'
33	International Relations (IR)	Shri Chalapathi Rao, Scientist 'C'	Ms. Veena Sinha, Director
34	O/o Minister of State (IC), NRE	Shri D.K Pandey, US	Shri Amitesh Kumar Sinha, JS
35	Parliament Work,	Shri A.K. Singh, US	Dr. Pankaj Saxena, Scientist 'F'
36	Public Grievances	Shri A.K. Singh, US	Ms. Alka Joshi, DS
37	Administration	Shri Arvind Pokhriyal, US	Shri G Upadhyay, Scientist 'F'
38	All matters of SSS-NIBE	Shri Yoginder Singh, US	Shri K. Salil Kumar, DS
39	IFD	Shri K G Suresh Kumar, US	Shri Sandeep Mukherjee DS
40	HRD, Hydro Projects	Shri Birbal Singh Negi, US	Dr. P.C Pant, Scientist 'F'
41	CCDC Solar Power	Shri N. P Shukla, US	Shri Rajesh Kumar Scientist 'F'
42	RTI Matters, Hindi, Library, Budgeting, Expenditure monitoring, Audit & Statistical analysis	Ms. Sunita Sajwan, US	Ms. Alka Joshi, DS
43	PAO, Budget	Shri Pratap Singh Sr. AO	Shri Avtar Singh Sandhu Controller of Accounts
44	All administrative and financial matters of NISE	Shri Devendra Singh, US	Shri K. Salil Kumar, DS
45	All administrative and financial matters of NIWE	Shri Rahul Rawat, Scientist 'B'	Shri K. Salil Kumar, DS



Item	Received	Disposed off	Pending as on 31.12.2019
RTI Applications	1130	1058	72
First Appeals	42	38	04

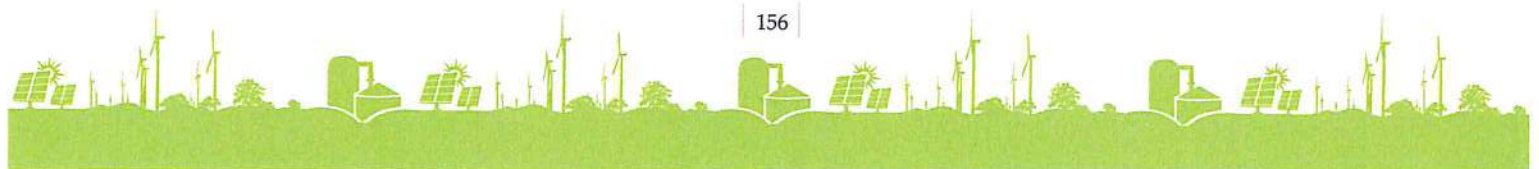




**INTERNATIONAL COOPERATION IN
RENEWABLE ENERGY**

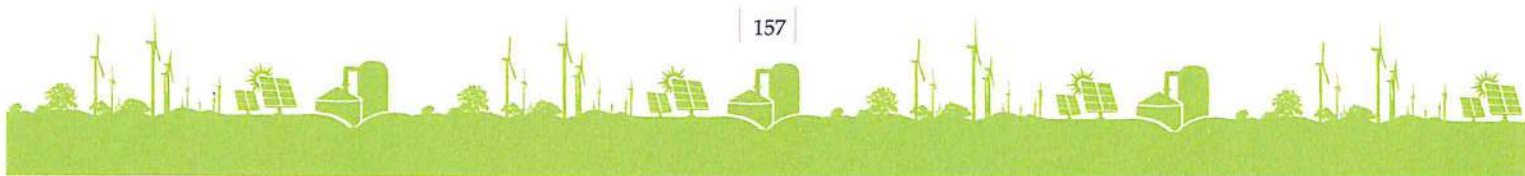
INTERNATIONAL COOPERATION IN RENEWABLE ENERGY

- 12.1 The International Relations (IR) Division of the Ministry has been continuously engaging with DEA, MEA, Embassies of various countries, multilateral international organizations and missions of India abroad for cooperation in the field of New & Renewable Energy.
- 12.2 During the current year also Ministry took several initiatives to promote New & Renewable Energy cooperation by signing Memorandum of Understanding (MoUs) / Implementation Agreements (IAs) / Supplementary Agreements (SAs) / Letter of Intent (LoI) etc. Ministry also convened Bilateral / Multilateral / Joint Working Group (JWG) Meetings through physical and Direct Video Conference (DVC) modes. The Delegations were led at the level of Hon'ble Minister and senior officers of the Ministry for the purpose of these meetings, signing of MoUs/Agreements etc.
- 12.3 MNRE has signed Memorandum of Understanding (MoUs) / Agreements / Letter of Intent (LoI) with different countries in the field of New and Renewable Energy. Under these, Joint Working Groups (JWGs) were set up for identification, selection and formulation of joint activities for implementation. Interactions with various countries were also undertaken through Joint Commission Meetings (JCMs), Joint Working Group (JWG) meetings, Joint Trade Committee (JTC) Meeting being setup by the other Ministries such as Ministry of External Affairs (MEA), Ministry of Environment, Forests and Climate Change (MoEFCC), Ministry of Commerce & Industry (MoCI), Ministry of Power (MoP), NITI Aayog etc. Mutually agreed projects and activities for cooperation are also established with many countries at bilateral level, even though no specific MoU has been signed with them.
- 12.4 In addition, MNRE has been collaborating under various multilateral cooperation frameworks like South Asian Association for Regional Cooperation (SAARC), Association of South-East Asian Nations (ASEAN), Brazil-Russia-India-China-South Africa (BRICS), India-Brazil-South Africa (IBSA), G20 etc.
- 12.5 The Ministry also engages with various international / multinational agencies, like World Bank, KfW, European Union (EU), USAID, United Nations Development Programme (UNDP), Asian Development Bank (ADB), United Nations Industrial Development Organization (UNIDO), GIZ, etc., who are providing project based assistance for renewable energy projects in India.
- 12.6 The Ministry also facilitates specialized training programmes in African and other developing countries in the fields of Solar Energy, Wind Energy, Small Hydro Power & Biomass at Indian through apex institutes, viz., National Institute of Solar Energy (NISE), Gurgaon, National Institute of Wind Energy (NIWE), Chennai, Alternative Hydro Electric Centre (AHEC), IIT, Roorkee under ITEC programme of Government of India.
- 12.7 During 2019, the following Memoranda of Understandings (MoUs)/Cooperation Agreement/LoI have been signed:
- A Cooperation Agreement was signed between Ministry of New and Renewable Energy of the Republic of India and Ministry of Energy, Utilities and Climate of the Kingdom of Denmark. A Letter of Intent (LoI) to establish an Indo-Danish Centre of Excellence for Integrated Renewable Power in India was signed on 6th March, 2019 in New Delhi.
 - A Memorandum of Understanding was signed between Ministry of New and Renewable Energy of



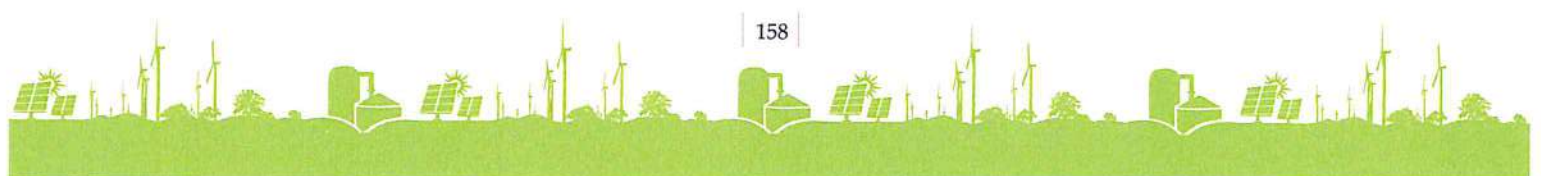
the Republic of India and The Ministry of Energy of the Government of the Republic of Guinea on 02nd August, 2019 in Conakry.

- A memorandum of understanding was signed between Ministry of New and Renewable Energy of the Republic of India and the Ministry of Energy of the Kingdom of Saudi Arabia on 29th October, 2019 in Riyadh.
- 12.8 During 2019, various meetings were held at MNRE, New Delhi as part of Bilateral / Multilateral cooperation, in the field of New and Renewable Energy with Hon'ble Minister, Secretary and senior officials of the Ministry.
- 12.9 During 2019, the following foreign visits have been undertaken by senior officials of the Ministry: -
- i. Shri Raj Kumar Singh, Hon'ble Minister of State (IC) for Power and New and Renewable Energy, Shri Anand Kumar, Secretary, Ministry of New and Renewable Energy and Shri Manoj Kumar Singh, Private Secretary to Hon'ble Minister visited Abu Dhabi, UAE on 13-14, January, 2019 to participate in the 9th Session of the IRENA Assembly meeting, Abu Dhabi Sustainable Week (ADSW) and other related events/meetings.
 - ii. Shri Anand Kumar, Secretary and Shri Anjani Nandan Sharan, Joint Secretary, Ministry of New and Renewable Energy visited to Washington DC, USA from 25-28th February, 2019 to participate in the meeting proposed by the US side and the first meeting of Joint Working Group Meeting on Clean and Renewable Energy under India-US Strategic Energy partnership.
 - iii. Shri J. K. Jethani, Scientist 'E' Ministry of New and Renewable Energy visited Thimphu, Bhutan from 25-26th February, 2019 to participate in the Workshop on Sustainable Access to Clean Energy for Hindu Kush Himalaya organized by the ADB.
 - iv. Shri PNBV Chalapathi Rao, Scientist 'C' and Shri Manish Singh Bisht, Scientist 'B' Ministry of New and Renewable Energy visited to Berlin, Germany from 25th February to 01st March, 2019 to participate in 'Training on grid integration of Renewables at Renewable Academy (RENAC) organized by the GIZ.
 - v. Shri Tarun Singh, Scientist 'C' Ministry of New and Renewable Energy visited Cape Town, South Africa from 25-26th February, 2019 to participate in the conference on 'Renewables Energy and Storage Systems organized by the World Bank.
 - vi. Shri B.K. Panda, Scientist, 'E', Ministry of New and Renewable Energy, visited Denmark from 25-29, March, 2019 to participate in a Study tour on off-shore Wind.
 - vii. Shri Tarun Singh, Scientist, 'C' and Shri Anubhav Uppal, Scientist, 'B' Ministry of New and Renewable Energy visited Paris, France, on 11-15 March, 2019 to participate in the 17th International Energy Agency (IEA) Energy Statistics Course.
 - viii. Shri A.N. Sharan, Joint Secretary, Ministry of New and Renewable Energy, visited Paris, France from 2-4, April, 2019 to participate in the 75th meeting of the IEA Working Party on Renewable Energy Technologies (REWP) and Renewable Industry Advisory Board (RIAB) meeting.
 - ix. Shri Praveen Kumar, Additional Secretary and Mrs. Veena Sinha, Director, Ministry of New and Renewable Energy visited Toyama, Japan, on 18-19 April, 2019 to participate in the 2nd meetings of the Energy Transitions Working Group (ETWG) and Environment Senior Official meeting (ESOM) for G-20.



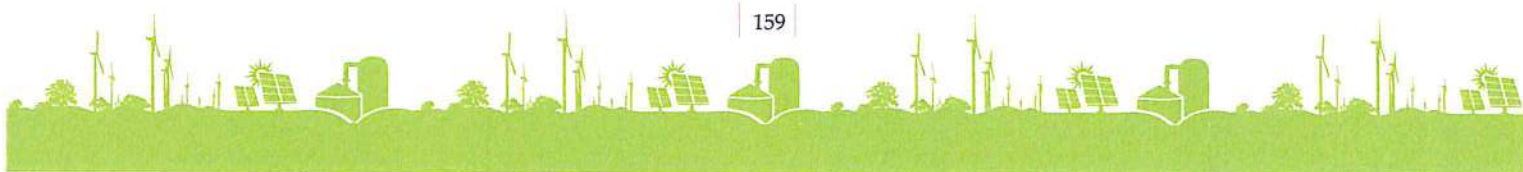


- x. Shri A.N. Sharan, Joint Secretary, Ministry of New and Renewable Energy, visited Paris, France on 27-29, May, 2019 to participate in the 10th Clean Energy Ministerial (CEM-10) and 4th Mission Innovation (MI-4) Meetings.
- xi. Shri J.N. Swain, Managing Director, Solar Energy Corporation of India Ltd. (SECI), Shri J.K. Jethani, Scientist, 'E' and Shri Anil Kumar, Scientist, 'C', Ministry of New and Renewable Energy visited Munich, Germany, on 15-18th May, 2019 to participate in the official Subgroup-2 meeting under the Indo-German Energy Forum and Inter-solar EUROPE-2019.
- xii. Shri Dilip Nigam, Scientist, 'G' and Shri A. S. Parira, Scientist 'C', Ministry of New and Renewable Energy, visited Belgium, Italy and UK from 8-16th June, 2019 to participate in a EU organized Study Tour programme under Clean Energy Cooperation with India (CECI) visiting solar parks.
- xiii. Shri Anand Kumar, Secretary, Ministry of New and Renewable Energy, visited Japan from 13-16th June, 2019 to participate in the G-20 Ministerial meeting on Energy Transitions and Global Environment for Sustainable Growth.
- xiv. Shri Sanjay G. Karndhar, Scientist, 'C' Ministry of New and Renewable Energy, visited Japan from 16th June to 27th July, 2019 to participate in the knowledge Co-creation programme on Renewable Energy in Grid-mainly Photovoltaic under the technical cooperation program of the Government of Japan.
- xv. Shri Rahul Rawat, Scientist, 'B' Ministry of New and Renewable Energy, visited Philippines from 17-21st June, 2019 to participate in the Asia Clean Energy Forum 2019 (ACEF) meeting.
- xvi. Dr. P. C. Maithani, Scientist, 'G' Ministry of New and Renewable Energy, visited Bonn, Germany from 17-27th June, 2019 to participate in the Bonn Climate Change Conference of UNFCCC.
- xvii. Dr. Rajesh Kumar, Scientist, 'F' Ministry of New and Renewable Energy, visited Taiwan from 20-21st June, 2019 to attend the 12th India-Taiwan Secretary-vice Ministerial Level Consultations.
- xviii. Shri Bhanu Pratap Yadav, Joint Secretary, Ministry of New and Renewable Energy, and Shri J.N. Swain, Managing Director, Solar Energy Corporation of India, visited London, UK from 24-28th June, 2019 to attend the first offshore Wind Round-table event.
- xix. Shri Anand Kumar, Secretary and Shri A. N. Sharan, Joint Secretary, Ministry of New and Renewable Energy visited Abu Dhabi, UAE from 24-26th June, 2019 to participate in the 17th International Renewable Energy Agency (IRENA) Council meeting and other related events.
- xx. Shri K. Salil Kumar, Deputy Secretary and Shri K.G. Suresh, Under Secretary, Ministry of New and Renewable Energy, visited Austria, Germany and Sweden from 14-21st July, 2019 to participate in the International Group Training and Study Tour under UNIDO project.
- xxi. Shri Parveen Kumar, Addl. Secretary, MNRE and Chairman and MD, IREDA, visited Singapore, from 2-3rd September, 2019 to meet institutional investors' group in Singapore in connection with the upcoming IPO launch of IREDA.
- xxii. Shri Amitesh Kumar Sinha, Joint Secretary, Ministry of New and Renewable Energy, visited Helsinki, Finland from 10-11th September, 2019 to attend the 76th meeting organized by IEA on Renewable Energy working party (REWP).





- xxiii. Shri J. K. Jethani, Scientist, 'E' Ministry of New and Renewable Energy, visited Kathmandu, Nepal, from 10-11th September, 2019 to participate in the Regional Dialogue on strengthening Institutional capacities for sustainable management of Solar Powered irrigation systems organized by ICIMOD.
- xxiv. Shri Tarun Singh, Scientist, 'C' and Shri Sanjay G. Karndhar, Scientist, 'C' Ministry of New and Renewable Energy, visited Germany and France from 24-29th September, 2019 to participate in the 'Study Tour on Energy Storage systems and Floating Solar' organized by GIZ.
- xxv. Shri Anil Kumar, Scientist, 'D' Ministry of New and Renewable Energy, visited Singapore from 30th September to 4th October, 2019 to participate in the course on 'Clean Energy and Emission Reduction' under the Singapore Cooperation Programme Training Award (SCPTA).
- xxvi. Shri Amitesh Kumar Sinha, Joint Secretary, Ministry of New and Renewable Energy, visited Berlin, Germany from 6-12th October, 2019 to participate in the Renewable Energy and Efficiency Week (REEW)-2019.
- xxvii. Shri PNBV Chalapathi Rao, Scientist, 'C' and Shri Rohit Thakwani, Scientist, 'B', Ministry of New and Renewable Energy, visited Paris, France from 14-18th October, 2019 to participate in the 18th Energy Statistics Course organized by IEA.
- xxviii. Shri Dipesh Pherwani, Scientist, 'B' Ministry of New and Renewable Energy, visited Seoul, South Korea from 22-25th October, 2019 to participate in the 32nd Steering Committee Meeting of the International Partnership for Hydrogen and Fuel Cell in the Economy (IPHE).
- xxix. Shri Vijay Kumar Bharti, Scientist, 'B' Ministry of New and Renewable Energy, visited Wisconsin, USA from 28-31st October, 2019 to participate in the Global Methane Initiative Biogas Subcommittee meeting and Bio Cycle REFOR-2019.
- xxx. Shri Amitesh Kumar Sinha, Joint Secretary, Ministry of New and Renewable Energy, visited Brasilia, Brazil on 11th November, 2019 to participate in the 4th meeting of the BRICS Ministers of Energy.
- xxxi. Shri Prabir Kumar Dash, Scientist, 'C', Ministry of New and Renewable Energy, visited Japan from 18th November to 2nd December, 2019 to participate in Knowledge Co-creation programme for Young Leaders (Renewable Energy Course) by JICA.
- xxxii. Smt. Sutapa Majumdar, Economic Advisor, Shri Rahul Rawat Scientist, 'B' Shri Vikram Dhaka, Scientist 'B', Ministry of New and Renewable Energy, visited Netherlands and Denmark from 22-29th November, 2019 to participate in the EU-India Clean Energy and Climate partnership Study Tour on offshore Wind Energy.
- xxxiii. Dr. P.C. Maithani, Scientist, 'G', Advisor, Ministry of New and Renewable Energy, visited Madrid, Spain from 2-13th December, 2019 to participate in the 25th Session of the Conference of Parties (COP25) of the UNFCCC.
- xxxiv. Shri Anand Kumar, Secretary, Ministry of New and Renewable Energy, visited Madrid, Spain from 9-10 December, 2019 to participate in the 25th Session of the Conference of Parties (COP25) of the UNFCCC.



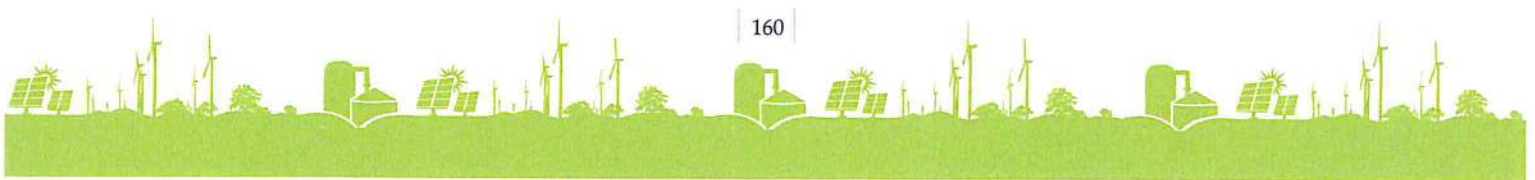


Awardees of the second round of PACEsetter fund programme with Shri Anand Kumar, Secretary, MNRE and Mr. Kenneth Ian Juster, the U.S. Ambassador to India

12.10 A facilitation ceremony was organized on 20th September, 2019 by the Ministry of New and Renewable Energy and USA Embassy to the awardees of the second round of PACEsetter fund programme. The event was co-chaired by Shri Anand Kumar, Secretary, MNRE and Mr. Kenneth Ian Juster, the U.S. Ambassador to India. In the second round, four projects were selected for award of grants. The awardees include Society for Economic and Social Studies, New Delhi, Customized Energy Solutions India Pvt. Ltd., Pune, The Energy & Resources Institute (TERI), New Delhi and Raghavendra Suntech Systems Pvt Ltd (RSSPL), Bengaluru.

12.11 **ENGAGEMENT WITH INTERNATIONAL RENEWABLE ENERGY AGENCY (IRENA)**

(i) India is one of the Founder Members of the International Renewable Energy Agency (IRENA) which is an intergovernmental organization that supports countries in their transition to a sustainable energy future, and serves as the principal platform for international cooperation, a centre of excellence, and a repository of policy, technology, resource and financial knowledge on renewable energy. IRENA promotes the widespread adoption and sustainable use of all forms of renewable energy, including bio-energy, geothermal, hydro power, ocean, solar and wind energy in the pursuit of sustainable development, energy access, energy security and low-carbon economic growth and prosperity.





- (ii) IRENA encourages governments to adopt enabling policies for renewable energy investments, provides practical tools and policy advice to accelerate renewable energy deployment, and facilitates knowledge sharing and technology transfer to provide clean, sustainable energy for the world's growing population.
- (iii) India regularly participates in the meetings of council and General Assembly of IRENA and provides constructive suggestions.

12.12 INTERNATIONAL TRAINING PROGRAMMES

- (i) The autonomous institutions of the Ministry, National Institute of Solar Energy (NISE) and National Institute of Wind Energy (NIWE) conducts various International training programmes for delegates from different countries under Indian Technical and Economic Cooperation (ITEC) of MEA.
- (ii) The primary objective of these training programmes is to acquaint the participants with the latest developments in Solar and Wind Technologies, Policy Aspects, Quality Control and Utilization Aspects of Renewable Energy. The knowledge acquired during the training can be utilized by the participants while deploying Renewable Energy Technologies in their respective countries.
- (iii) NIWE organized the International Training Courses as given in **Table 12.1**:
- (iv) NISE organized International Training programmes as given in **Table 12.2**

12.13 INTERNATIONAL SOLAR ALLIANCE (ISA)

- (i) ISA is a reflection of India's commitment for accelerating the development and deployment of solar energy for achieving universal energy access at affordable rate. India considers ISA as an alternative paradigm for international co-operation - one that is based on collaboration and leveraging strengths of individual countries to collectively effect change to address the biggest challenges confronting humanity - sustainable energy, energy poverty and climate change.
- (ii) Recognizing that ISA has a major role in achieving Sustainable Development Goals, and objectives of the Paris Agreement on Climate Change, and that the ISA initiative would benefit the world at large, during the first Assembly of the ISA an Indian resolution to extend the Membership of the organisation to all countries that are Members of the United Nations was adopted. ISA is now perceived as key to achieving the 2030 Sustainable Development Goals and objectives of the Paris Agreement on Climate Change. As on date 84 countries have signed the Framework Agreement of the ISA. Of these, 62 countries have ratified the same.
- (iii) India has been providing all out support for realizing ISA's vision and objectives. The Government of India has allotted 5 acres of land to the ISA in National Institute of Solar Energy (NISE) campus, Gurugram and has released a sum of Rs. 160 crore for creating a corpus fund, building infrastructure and meeting day to day recurring expenditure of the ISA upto the year 2021-22. As per commitment, India will release additional Rs. 15 crore in the year 2020-21. In addition, various Public Sector Enterprises of Government of India have contributed US\$ 8 million for augmenting ISA corpus fund. Apart from these, India has set aside US\$ 2 Billion for solar projects in Africa out of Government of India's US\$10 billion concessional Line of Credit (LOC) for Africa. Exim Bank of India is implementing this line of credit in close coordination with ISA countries in Africa. On the 24 September 2019, on the side-lines of the 74th UN General Assembly, India announced allocation of US\$ 12 million grant, and a concessional LOC of US\$ 150 million for Pacific Islands Developing States for undertaking solar, renewable energy and climate related projects.

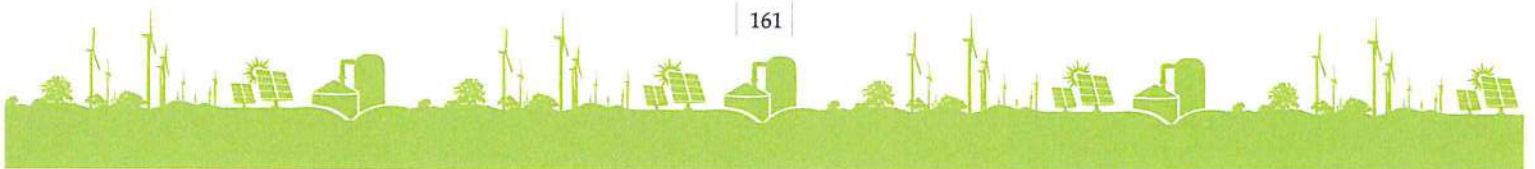


Table 12.1: International Training Courses and Workshops organized by NIWE				
S. No.	Name of the programme/ Course Conducted	Duration	No. of participants	No of countries
1.	04th Special International Training Course on WIND RESOURCE ASSESSMENT AND WIND FARM PLANNING for ITEC Partner Countries under ITEC programme	28.08.2019 To 20.09.2019	16	9
2.	03rd Special International Training Course on DESIGN INSTALLATION & MAINTANENCE OF SMALL WIND TURBINE for ITEC Partner Countries under ITEC programme	28.08.2019 To 24.09.2019	26	9
3	24th International Training Course on WIND TURBINE TECHNOLOGY AND APPLICATIONS for ITEC Partner Countries under ITEC programme	23.10.2019 To 19.11.2019	28	18
4	7th Special International Training Course on WIND TURBINE TECHNOLOGY AND APPLICATIONS for African Countries under IAFS-III programme	24.10.2019 To 21.11.2019	26	16
5	Special International Training Course on SOLAR RESOURCE ASSESSMENT AND DEVELOPMENT OF SOLAR POWER PLANT specially for ISA Member Countries under ITEC programme	27.11.2019 To 20.12.2019	34	21
6	Prof. Annamani International Conference on WIND AND SOLAR RESOURCE ASSESSMENT	29.11.2019 To 30.11.2019	211	22
Scheduled				
7	25th International Training Course on WIND TURBINE TECHNOLOGY AND APPLICATIONS for ITEC Partner Countries under ITEC programme	29.01.2020 To 25.02.2020		
8	SCALING UP OF RENEWABLES (WIND AND SOLAR) GENERATION WITH FOCUS ON POLICY INITIATIVES Specially for BIMSTEC Countries under ITEC programme	26.02.2020 To 03.03.2020		

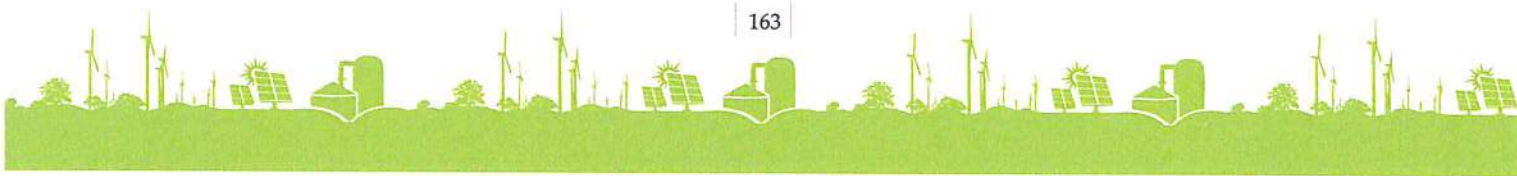


S. No.	Name of the programme/ Course	Duration	No. of participants	No of countries
1	Renewable Energy Capacity Building Programme for African Countries under India -Africa Forum Summit-III	12.08.2019 To 30.08.2019	40	12
2	International Training Programme on Solar Energy Technologies and Applications	16.09.2019 To 04.10.2019	33	19
3	ITEC Programme on Solar Energy for Master Trainers from ISA Member Countries	04.11.2019 To 22.11.2019	21	12
4	International Training Programme on Solar Energy Technologies and Applications	25.11.2019 To 13.11.2019	29	21

- (iv) The Ministry of New and Renewable Energy hosted the second Assembly of ISA on 30 and 31 October 2019 New Delhi. While on 30 October 2019, coordination and consultation meetings on different aspects of ISA programmes and initiatives were held, the Assembly met on 31 October 2019. Delegations from 78 countries participated in the Assembly, this includes 29 Ministerial delegations of which 25 are from ISA member countries, 2 from signatory countries, and further 2 from prospective member countries.
- (v) Shri R.K. Singh, Minister of New & Renewable Energy, Power and Skill Development Entrepreneurship, Government of India & ex-Officio President of ISA Assembly opened the Assembly. The Assembly deliberated upon ISA's activities and new proposals for accelerating development and deployment of



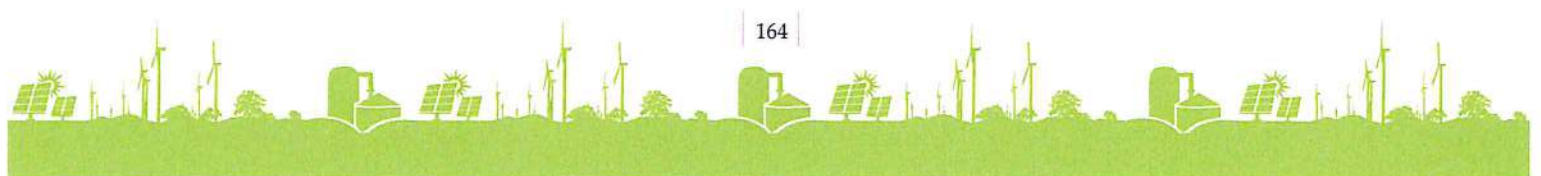
The Minister of State for Power, New & Renewable Energy (Independent Charge) and Skill Development & Entrepreneurship, Shri Raj Kumar Singh and other dignitaries at the 2nd International Solar Alliance Assembly, in New Delhi on October 31, 2019.





solar energy in ISA member countries, and approved Rules and Procedure of the Assembly, Manual of Regulations of ISA, and Work Programme and Budget for the year 2020.

- (vi) ISA has initiated many activities and programmes. Demand for over 1000 MW solar power and 300000 solar water pumps has been aggregated from ISA member countries. Some of the major activities for building domestic capacity of the ISA member countries include ITEC Master Trainers Programme at NISE Gurugram; M.Tech programme for mid-career professionals at IIT, Delhi; STAR-C programme, and development of the INFOPEdia. In order to understand the challenges and issues 'on the ground' and to strengthen support for ISA programmes, the ISA sent country missions to eight countries over the course of 2019 – to Benin, the Democratic Republic of the Congo, Guinea, Malawi, Mali, Niger, Togo, and Uganda. ISA has significantly extended outreach and have partnered with over 40 organizations. These broadly include UN, Multilateral Development Banks (MDBs), Development Finance Institutions (DFIs), international and regional organizations and foundations, and private sector players.





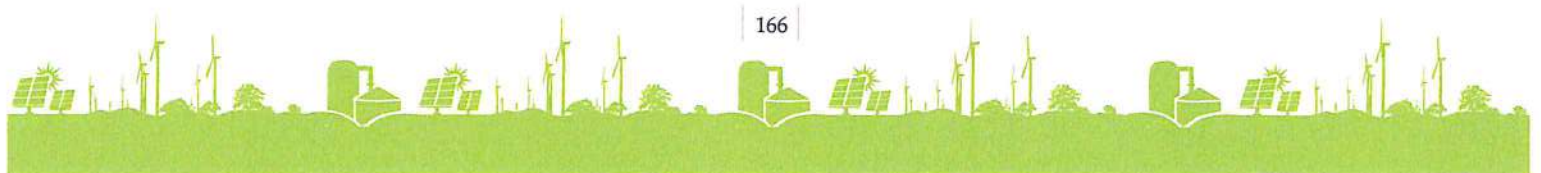
**PROMOTION OF
OFFICIAL LANGUAGE – HINDI**

PROMOTION OF OFFICIAL LANGUAGE – HINDI

- 13.1 With a view to implement the Official Language Policy of the Government of India, a Hindi Section has been set up in the Ministry. Its functions are as under:-
- (I) Translation work; and
 - (II) Implementation of the Official Language policy of the Govt. of India.
- 13.2 During the year 2019-20 concerted efforts were made to ensure proper compliance of the provisions of Official Language Act 1963 and Rules framed thereunder.
- 13.3 For promotion of Official Language Policy and to create more conducive environment for the officials to do more work in Hindi, various programmes/schemes are being undertaken which include the following :
- (i). Website of the Ministry has been made bilingual and it is being updated from time to time.
 - (ii). A digital board has been installed at the entrance of the Ministry with new Hindi Word being displayed on daily basis. Inspirational quotes are also displayed.
 - (iii). Standard Drafts and Standard Forms have been prepared in Hindi and placed on the Website of the Ministry for convenience of officers/staff.
 - (iv). Hindi books are purchased in the Ministry and efforts are made to achieve the targets laid down by the Department of Official Language.
 - (v). Addresses of Nodal Agencies have been prepared in Hindi.
 - (vi). All documents coming under section 3(3) of the O.L. Act 1963, eg. Press Release, Tender Notices, Rules, General Orders, Notifications, Cabinet Notes, Parliament Questions and other Documents to be laid in the Parliament are presented bilingually.
 - (vii). Letters received in Hindi are invariably replied in Hindi and Rule (5) of the Official Language Rules 1976 is fully complied with.
 - (viii). First working day of every month is celebrated as Hindi Divas in the Ministry. On this day the work is done mostly in Hindi.
- 13.4 During the year 2019-20, various measures were taken for effective implementation of Official Language Policy in the Ministry. As per the Quarterly Progress Report for the quarter ended on 31st December, 2019, the percentage of Hindi correspondence with offices in Regions 'A' 'B' and 'C' was 78.58%, 67.60% and 64.51% respectively.
- 13.5 In Order to review the progress made in the implementation of Official Language policy, quarterly meetings of Official Language Implementation Committee were held regularly. Discussions were held on quarterly progress reports received from various Sections/Divisions of the Ministry, and IREDA, SECI, NIWE, NISE and NIBE. The Sections/Divisions and other Organizations were advised to achieve the targets specified by the Department of Official Language.

13.6 HINDI FORTNIGHT

With a view to create awareness and to increase the use of Hindi in official work, a 'Hindi Fortnight' was observed in the Ministry during 13th to 27th September, 2019. During the fortnight, messages from





Hon'ble Minister of Home Affairs and Hon'ble Minister (NRE) regarding progressive use of Hindi were read out. A number of competitions were held and there was good participation by officers and staff of the Ministry. 39 officers and staff members belonging to Hindi and non-Hindi speaking categories were given cash awards and certificates based on their performances. Hindi Fortnight was also observed in various offices/undertakings of the Ministry.

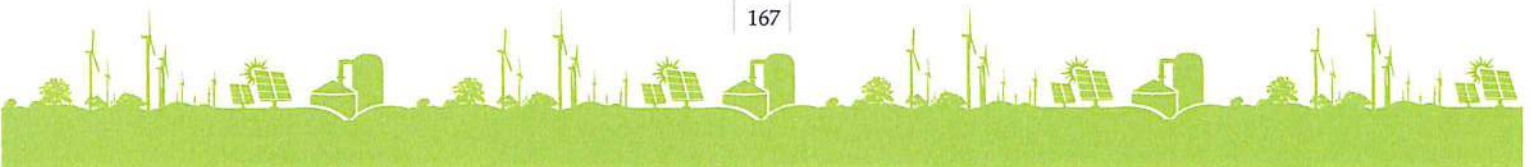
- 13.7 Hindi Noting & Drafting Incentive Scheme of the Department of Official Language was continued during the year and ten officers/staff were awarded under this Scheme.
- 13.8 Re-constitution of Hindi Salahkar Samiti is under process.

13.9 PRAKARTIK URJA PURASKAR YOJNA

To promote original book writing in Hindi or translated in Hindi related to the subjects of Non-Conventional Energy, Prakartik Urja Puskar Yojna is being implemented in the Ministry, since 1988. Under this scheme, there is a provision to award a first prize of Rs.1,00,000/-, second prize of Rs. 60,000/- and third prize of Rs. 40,000/- for the books originally written in Hindi. For the books translated into Hindi the amount of first, second and third prize is Rs. 50,000/-, Rs.30,000/- and Rs.20,000/- respectively. An appreciation letter signed by the Secretary, MNRE is also given to the awardees.



Hindi Pakhwara-2019 - Prize Distribution Ceremony



13.10 ORGANIZATION OF HINDI WORKSHOPS

With a view to encourage the officers/staff to do their official work in Hindi, Hindi workshop is organized in every quarter for the officers and staff of different categories. During the year, four Hindi workshops were organized. A number of officers/staff from the Ministry participated in these workshops.

13.11 INSPECTION OF SUBORDINATE OFFICES AND SECTIONS

With a view to assess the status regarding progressive use of Official Language, inspection of various offices and Autonomous Institutions/ PSU etc. was carried out from time to time by the officials of Hindi Section. Inspections of IREDA, SECI and NISE were carried out during the year under report.



Hindi Pakhwara-2019 - Prize Distribution Ceremony

The background of the page is a solid blue color with a pattern of concentric circles in various shades of blue, creating a ripple effect. The circles are centered and overlap, with some being more prominent than others. The overall effect is a textured, circular pattern.

ANNEXURES

ANNEXURE I

Present Sanctioned Strength and in Position Strength of MNRE As on 01.01.2020:-

Group	A	B	C	Total
SANCTIONED	141	85	88	314
IN POSITION	84	55	63	202
SC	13	12	20	45
ST	3	2	4	9
OBC	7	12	9	28
PH	0	1	1	2

IREDA

Employees Staff strength of IREDA as on 31.03.2020 are as under:-

Classifications	Board Level	Group A	Group B	Group c	Group D	Total
In position	03*	134**	05	22	---	164
SC	---	17	---	06	---	23
ST	---	08	---	01	---	09
OBC	---	24	---	03	---	27
Physically Handicapped	---	03	---	01	---	

Total Sanctioned Strength (below Board level) is 213.

* Shri Praveen Kumar handled the additional charge of CMD, IREDA till 31.12.2019

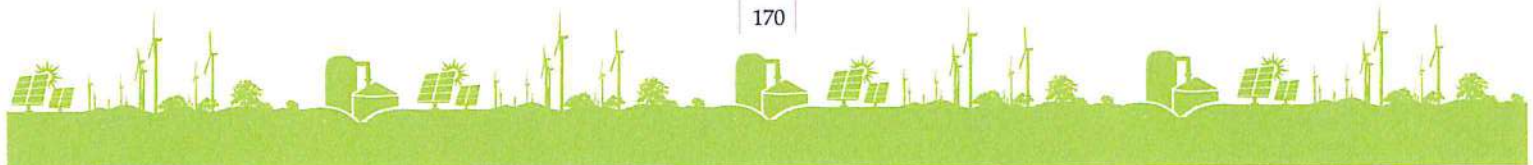
** Shri Vinayak Garg is handling the additional charge of CVO, IREDA w.e.f. 12.12.2019

NIWE

Group-wise details of posts in National Institute of Wind Energy as on 31.03.2020 are as under:-

No. of Posts	Group**			Total
	A	B	C	
Sanctioned	18	13	17	48
In Position	18	11	17	46
SC	2	2	2	6
ST	1			1
OBC	3	2	2	7
PH	-	-	-	-

** Classification of posts as per the G.I., Dept of Per.& Trg., O.M. No. F.No.11012/10/2016 – Estt. A-III dated 8.12.2017





SSS-NIBE

Information pertaining to the staff of Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE):-

Group	Board Level	A	B	C	D	Total
Sanctioned	1	20*	1	4	-	26
In Position	-	3	1	4	-	8
SC	-	-	-	-	-	-
ST	-	-	-	-	-	-
Physically Handicapped	-	-	-	-	-	-

* The recruitment of group A is under process.

NISE

Information pertaining to the staff of National Institute of Solar Energy (NISE), an autonomous Institute functioning under the administrative control of Ministry of New and Renewable Energy as 31-03-2020 are as under:-

Group	A	B	C	D	Total
Sanctioned	25	16	0	0	41
In Position	6	0	0	0	6
SC	0	0	0	0	0
ST	0	0	0	0	0
OBC	0	0	0	0	0
PH	0	0	0	0	0

Note: Recruitment is under process for the vacant post and shall be completed by 31-03-2020.

SECI

SECI Staff strength as on 31.12.2019 :-

GROUP	A	B	C	D	Total
SANCTIONED	101	10	NIL	NIL	111
IN POSITION	76	08	NIL	NIL	84
SC	03	02	NIL	NIL	05
ST	02	NIL	NIL	NIL	02
OBC	12	02	NIL	NIL	14
PH	01	01	NIL	NIL	02



PAY AND ACCOUNTS OFFICE, MINISTRY OF NEW AND RENEWABLE ENERGY

Sanctioned strength and in-position in respect of Pay & Accounts Office, Ministry of New & Renewable Energy as on 31.03.2019 :-

GROUP	A	B	C	D	TOTAL
SANCTIONED	1	6	9	-	16
IN POSITION	1	4	7	-	12
SC	-	1	-	-	1
ST	-	-	1	-	1
OBC	-	-	2	-	2
PH	-	-	-	-	-

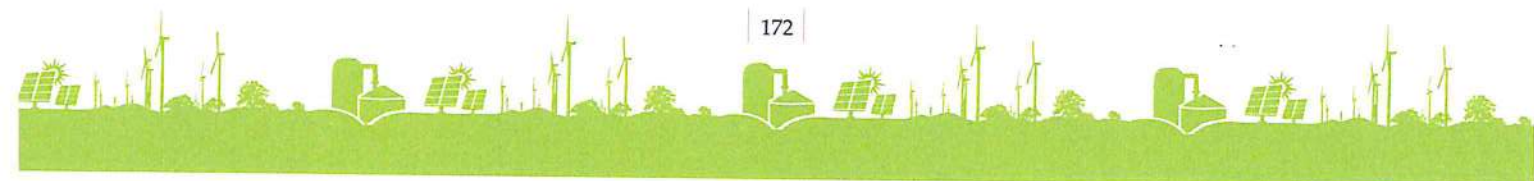
ANNEXURE II

AUDIT PARA

Year	Report No.	Chapter No.	Para No.	Action	Subject	Stage
2018	2 OF 2018	II	II		Review of Outcome Budget of Ministry of New and Renewable Energy#	Revised ATN Uploaded
2018	2 OF 2018	IX	9.1	Add Revised ATN	Non-utilisation of Solar Thermal Power Plant*	Draft ATN Returned for Further Clarification

no action pending from the side of this Ministry

* This is PAC para now





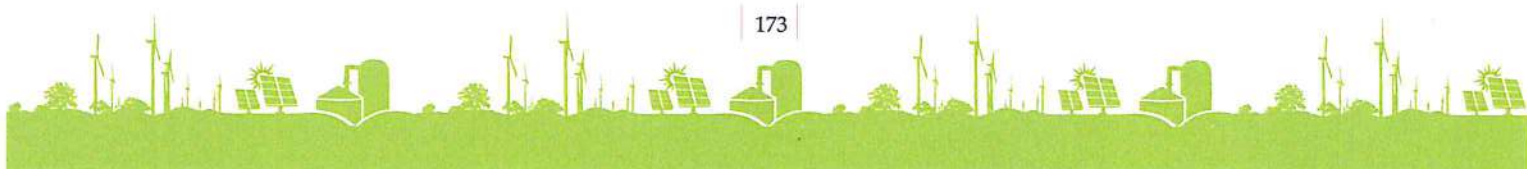
ANNEXURE III

GRANTS IN AID TO STATES AND VOLUNTARY ORGANISATIONS

Fund Released to Implementing Agencies Under HRD Programme in FY 2019-20				
Sr. No.	Sanction Number	Agency Name	Sanction Date	Amount (Rs.)
1	342-11/36/2017-HRD	Indian Institute of Technology Roorkee, Uttarakhand	04.06.2019	27,08,258/-
2	10/1(26)/2015-P&C	National Institute of Solar Energy (An Autonomous Institute of New And Renewable Energy) ,Gurgaon	30.08.2019	14,93,65,769/-
3	10/1(26)/2015-P&C		27.09.2019	3,00,00,000/-
4	10/1(26)/2015-P&C		27.09.2019	2,00,00,000/-
5	10/1(26)/2015-P&C		30.09.2019	33,44,91,894/-
6	342-14/1/2019-HRD	Gandhigram Rural Institute(Deemed University) Tamil Nadu	14.05.2019	25,50,000/-
7	342-14/1/2019-HRD		27.12.2019	16,60,292/-

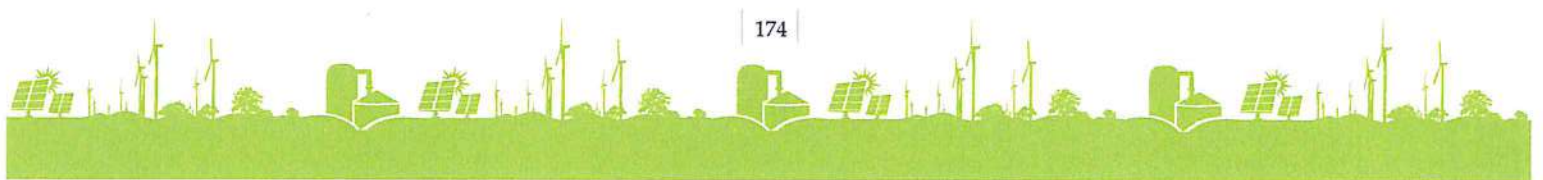
Grant given to State PIAs of more than 50 lakh in Green Energy Corridor from 01.01.2019 to 31.12.2019					
S. No.	Sanction No.	Project/Organization Name	State	Fund released	
				Date	"Amount (Rs. in lakh)"
1	1/7/2015-EFM	Gujarat Energy Transmission Corporation	Gujarat	27.02.2019	6839.00
2	367-11/1/2019-GEC	Maharashtra Electricity Transmission Corporation Limited	Maharashtra	28.02.2019	3556.59
3	367-11/1/2019-GEC	Maharashtra Electricity Transmission Corporation Limited	Maharashtra	08.05.2019	611.20
4	367-11/26/2017-GEC	Himachal Pradesh Power Transmission Corporation Limited	Himachal Pradesh	26.09.2019	2060.00
5	1/7/2015-EFM	Transmission Corporation of Andhra Pradesh Limited	Andhra Pradesh	26.09.2019	2433.96
Total (A)					15500.75

Grant given to State PIAs of more than 50 lakh in Green Energy Corridor from 01.01.2019 to 31.12.2019					
S. No.	Sanction No.	Project/Organization Name	State	Fund released	
				Date	"Amount (Rs. in lakh)"
1	367-11/26/2017-GEC	Himachal Pradesh State Electricity Board Limited	Himachal Pradesh		155.84
Total (B)					155.84
Total (A) + (B)					15656.59





CFA released under the Solar Park Scheme by SECI to various Solar Power Park Developers (SPPDs), State Transmission Utilities (STUs) and Central Transmission Utility (CTU) as on 31.10.2019			
(in Rs. Lakh)			
Sl. No.	State	Solar Park	Total CFA disbursed
1	Andhra Pradesh	Ananthapuramu-I Solar Park	13525.00
2		Kurnool Solar Park	12625.00
3		Kadapa Solar Park	5425.00
4		Ananthapuramu-II Solar Park	5124.80
5		Solar-Wind Hybrid Park	25.00
6		Ext Trans. PGCIL- Ananthapuramu-I solar park	10955.54
7		Ext Trans. APTRANCO- Ananthapuramu-II solar park	2000.00
8		Ext Trans. APTRANCO-Kurnool solar park	7400.00
9	Arunachal Pradesh	Lohit Solar Park	19.65
10	Chhattishgarh	Rajnandgaoun Solar Park	15.00
11	Gujarat	Radhnesada Solar Park	3311.35
12		Ext Trans PGCIL-Radhnesada solar park	2800.00
13	Karnataka	Pavagada Solar Park	18525.44
14		Ext Trans PGCIL-Pavagada solar park	12000.00
15	Kerala	Kasargod Solar Park	200.00
16	Madhya Pradesh	Rewa Solar Park	7633.51
17		Neemuch-Mandsaur Solar Park	2548.50
18		Ext Trans PGCIL-Rewa solar park	6000.00
19	Maharashtra	Sai Guru Solar Park (Pragat)	435.00
20		Patoda Solar Park (Paramount)	25.00
21		Dondaicha Solar Park	625.00
22		Latur Solar Park	10.00
23		Washim solar park	15.00
24		Yavatmal Solar Park	10.00
25		Kacharala solar park	15.00
26	Manipur	Bukpi Solar Park	10.00
27	Meghalaya	Solar park in Meghalaya	3.07
28	Mizoram	Vankal Solar Park	10.00



29	Nagaland	Solar Park in Nagaland	10.00
30	Rajasthan	Bhadla-II Solar Park	6120.00
31		Bhadla-III Solar Park	9614.16
32		Bhadla-IV Solar Park	5125.00
33		Phalodi-Pokaran Solar Park	1825.00
34		Fatehgarh Phase-1B Solar Park	25.00
35		Nokh Solar Park	25.00
36		RVPN- Bhadla Phase-II, III and IV solar parks	10747.10
37		PGCIL- Bhadla Phase-III IV, Phalodi-Pokaran and Fatehgarh Ph-1B solar parks	6000.00
38	Tamil Nadu	Kadaladi solar park	25.00
39	Telangana	Gattu Solar Park	25.00
40	Uttar Pradesh	Solar Park in UP	2081.80
41		Ext Trans. UPPTCL- UP solar park	1719.15
42	Uttarakhand	Solar park in Uttarakhand	8.25
43	West Bengal	Solar park in West Bengal	25.00
Total			154667.32

Funds released under 750 MW, 2000 MW, 5000 MW VGF Scheme, Solar Demo GBI Scheme and RPPSGP Scheme to SECI from 01.01.2019 to 31.12.2019.

750 MW VGF Scheme				
Sl. No.	Sanction Number	Agency Name	Sanction Date	Amount (Rs.)
1	F. No. 32/7/2017-Solar Energy Group	SECI	28/09/2019	111,56,03,315/-

2000 MW VGF Scheme				
Sl.No.	Sanction Number	Agency Name	Sanction Date	Amount (Rs.)
1	F. No. 283/70/2017-Grid Solar	SECI	29/06/2019	131,67,20,059/-
2	F. No. 283/70/2017-Grid Solar	SECI	31/12/2019	110,70,87,644/-



5000 MW VGF Scheme				
Sl.No.	Sanction Number	Agency Name	Sanction Date	Amount (Rs.)
1	F. No. 283/69/2017- Grid Solar Part -1	SECI	29/06/2019	95,13,11,288/-

RPSSGP Scheme				
Sl.No.	Sanction Number	Agency Name	Sanction Date	Amount (Rs.)
1	F. No. 32/6/2017-Solar Energy Group	IREDA	30/03/2019	13,42,31,062/-
2	F. No. 32/6/2017-Solar Energy Group	IREDA	29/06/2019	75,89,76,504/-
3	F. No. 32/6/2017-Solar Energy Group	IREDA	27/09/2019	15,66,16,656/-

Solar Demo GBI VGF Scheme				
Sl.No.	Sanction Number	Agency Name	Sanction Date	Amount (Rs.)
1	283/61/2018-GRID SOLAR	IREDA	28/09/2019	10,58,57,200/-

A. 'Pilot-cum-demonstration project for development of grid connected solar PV power plants on canal banks and canal tops'

Funds released in FY 2019-20 (till 31st Dec 2019) under 'Pilot-cum-demonstration project for development of grid connected solar PV power plants on canal banks and canal tops':

- (till 31st Dec 2019): NIL
- Expected releases from 01.01.2020 to 31.03.2020: 27.5 Crs. to Solar Energy Corporation of India Limited (SECI) (subject to availability of funds)

B. 'CPSU Scheme Phase-I'

Funds released in FY 2019-20 (till 31st Dec 2019) under 'CPSU Scheme Phase-I':

- (till 31st Dec 2019):

Sl. No.	Sanction Number	Agency name	Sanction Date	Amount released (Rs.)
1.	302/3/2017-GRID SOLAR	Solar Energy Corporation of India Limited (SECI)	30.09.2019	3,03,00,000/-

- Releases / expected releases from 01.01.2020 to 31.03.2020: NIL

C. 'CPSU Scheme Phase-II'

Funds released in FY 2019-20 (till 31st Dec 2019) under 'CPSU Scheme Phase-II':

- (till 31st Dec 2019):



Sl. No.	Sanction Number	Agency name	Sanction Date	Amount released (Rs.)
1.	302/4/2017-GRID SOLAR	Solar Energy Corporation of India Limited (SECI)	30.09.2019	319,18,03,402/-

- Releases / expected releases from 01.01.2020 to 31.03.2020: NIL

D. Scheme for setting up of Distributed Grid-connected Solar PV Power Projects in Andaman & Nicobar & Lakshadweep Islands with Capital Subsidy from MNRE

Funds released in FY 2019-20 under 'Scheme for setting up of Distributed Grid-connected Solar PV Power Projects in Andaman & Nicobar & Lakshadweep Islands with Capital Subsidy from MNRE':

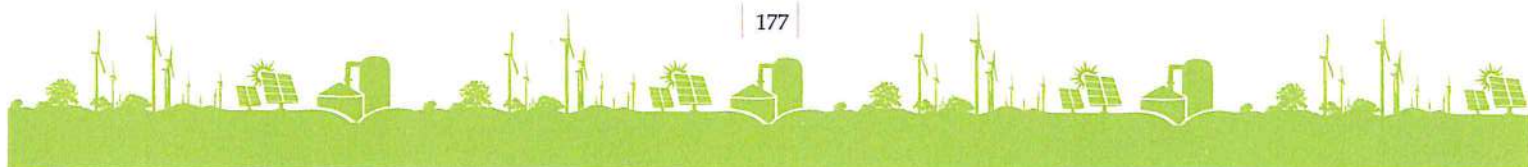
- (till 31st Dec 2019):

Sl. No.	Sanction Number	Agency name	Sanction Date	Amount released (Rs.)
1.	No. 283/109/2018-Grid Solar	NLC India Limited (NLCIL)	10.10.2019	6,77,24,832/-

- Releases / expected releases from 01.01.2020 to 31.03.2020: NIL

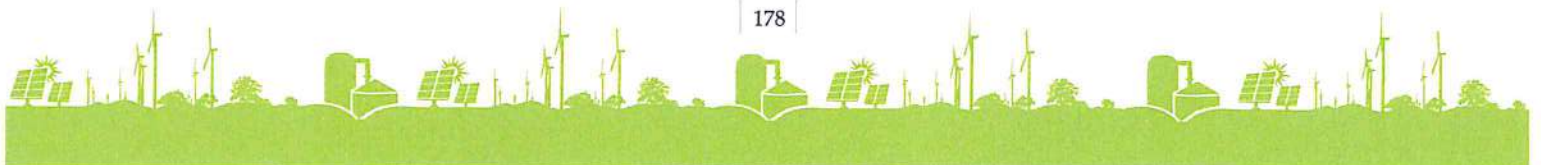
Solar Photovoltaic (Off-grid Solar Division) Fund released above 50 lakh upto 31.12.2019

S. No.	Sanction No.	Project/ Organisation	State	Funds Releases	
				Date	(Rs. in Lakh)
1	32/90/2017-SPV Division	Manipur Renewable Energy Development Agency	Manipur	07-05-2019	70,22,600
2	32/271/2017-SPV Division	Orissa Renewable Energy Development Agency	Orissa	10-05-2019	78,73,875
3	32/81/2017-SPV Division	Orissa Renewable Energy Development Agency	Orissa	10-05-2019	79,24,000
4	32/659/2017-SPV Division	Rajasthan Renewable Energy Corporation Ltd	Rajasthan	10-05-2019	83,71,853
5	32/25/2018-SPV Division	Uttar Pradesh New And Renewable Energy Development Agency	Uttar Pradesh	10-05-2019	5,47,04,975
6	32/25/2018-SPV Division	Uttar Pradesh New And Renewable Energy Development Agency	Uttar Pradesh	10-05-2019	12,11,25,750
7	32/25/2018-SPV Division	Uttar Pradesh New And Renewable Energy Development Agency	Uttar Pradesh	10-05-2019	27,58,44,275
8	32/4/2019-SPV Division	Karnataka Renewable Energy Development Limited	Karnataka	16-05-2019	1,35,90,012
9	32/4/2019-SPV Division	Karnataka Renewable Energy Development Limited	Karnataka	16-05-2019	2,04,12,000
10	32/5/2019-SPV Division	Maharashtra Energy Development Agency	Maharashtra	16-05-2019	3,76,42,500



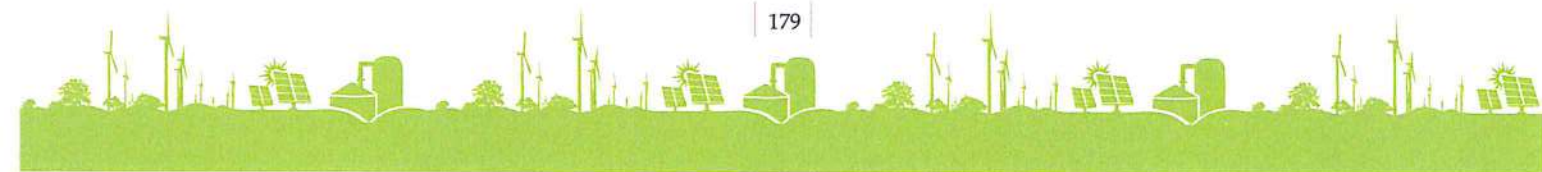


11	32/5/2019-SPV Division	Maharashtra Energy Development Agency	Maharashtra	16-05-2019	3,76,42,500
12	32/4/2019-SPV Division	Karnataka Renewable Energy Development Limited	Karnataka	16-05-2019	4,56,84,000
13	32/5/2019-SPV Division	Maharashtra Energy Development Agency	Maharashtra	16-05-2019	6,00,00,000
14	32/83/2017-SPV Division	Orissa Renewable Energy Development Agency	Orissa	16-05-2019	6,28,48,380
15	32/7/2018-SPV Division	New And Renewable Energy Development Corporation of Andhra Pradesh Limited	Andhra Pradesh	27-05-2019	51,97,261
16	32/12/2018-SPV Division	Arunachal Pradesh Energy Development Agency	Arunachal Pradesh	26-06-2019	2,83,06,080
17	32/39/2018-SPV Division	Nagaland Renewable Energy Development Agency	Nagaland	26-06-2019	4,90,01,349
18	32/31/218-SPV Division	Jharkhand Renewable Energy Development Agency	Jharkhand	27-06-2019	53,80,000
19	32/8/2019-SPV Division	Assam Energy Development Agency	Assam	27-06-2019	84,36,030
20	32/31/2018-SPV Division	Jharkhand Renewable Energy Development Agency	Jharkhand	27-06-2019	1,88,30,000
21	32/652/2017-SPV Division	Punjab Energy Development Agency	Punjab	27-06-2019	7,12,68,900
22	32/644/2017-SPV Division	Nagaland Renewable Energy Development Agency	Nagaland	29-06-2019	2,21,50,500
23	32/27/2016-17/PVSE (Part-II)	Tripura Renewable Energy Development Agency	Tripura	29-06-2019	2,24,85,120
24	32/132/2017-SPV Division	Jharkhand Renewable Energy Development Agency	Jharkhand	02-09-2019	2,56,83,904
25	32/542/2017-SPV Division	Zoram Energy Development Agency	Mizoram	27-09-2019	89,73,616
26	32/20/2016-17-SPV Division (Pasrt-5)	Zoram Energy Development Agency	Mizoram	27-09-2019	1,70,02,763
27	32/62/2017/SPV Division	Uttarakhand Renewable Energy Development Agency	Uttrarakhand	28-09-2019	79,97,908
28	32/62/2018-SPV Division	Orissa Renewable Energy Development Agency	Orissa	28-09-2019	2,30,31,625
29	32/64/2018-SPV Division	Karnataka Renewable Energy Development Limited	Karnataka	30-09-2019	1,62,50,000





30	32/60/2018-SPV Division	Arunachal Pradesh Energy Development Agency	Arunachal Pradesh	30-09-2019	1,98,00,000
31	32/60/2018-SPV Division	Assam Energy Development Agency	Assam	30-09-2019	2,30,02,000
32	32/60/2018-SPV Division	Tripura Renewable Energy Development Agency	Tripura	30-09-2019	2,97,00,000
33	32/60/2018-SPV Division	Nagaland Renewable Energy Development Agency	Nagaland	30-09-2019	5,71,58,000
34	32/60/2018-SPV Division	Tripura Renewable Energy Development Agency	Tripura	30-09-2019	6,78,78,000
35	32/60/2018-SPV Division	Himachal Pradesh Energy Development Agency	Himachal Pradesh	30-09-2019	8,08,77,000
36	32/60/2018-SPV Division	Uttarakhand Renewable Energy Development Agency	Uttarakhand	30-09-2019	9,33,60,000
37	32/60/2018-SPV Division	Manipur Renewable Energy Development Agency	Manipur	30-09-2019	11,05,00,000
38	32/60/2018-SPV Division	Zoram Energy Development Agency	Mizoram	30-09-2019	11,37,60,000
39	32/60/2018-SPV Division	Arunachal Pradesh Energy Development Agency	Arunachal Pradesh	30-09-2019	11,86,20,000
40	32/60/2018-SPV Division	Assam Energy Development Agency	Assam	30-09-2019	12,05,25,000
41	32/5/2019-SPV Division	Maharashtra Energy Development Agency	Maharashtra	30-09-2019	21,23,79,800
42	42/19/2018-SPV Division	India Tourism Development Corporation	New Delhi	26-11-2019	85,37,054
43	32/61/2018-SPV Division	UM Green Lighting Pvt. Ltd.	Bangalore	06-12-2019	75,85,713
44	32/16/2017-18/PVSE (Part-I)	M.P. Urja Vikas Ltd., Bhopal	Madhya Pradesh	26-12-2019	18,74,99,498
45	32/27/2019/SPV Division	Zoram Energy Development Agency	Mizoram	30-12-2019	1,26,00,000
46	32/29/2019-SPV Division	New And Renewable Energy Development Corporation of Andhra Pradesh Limited	Andhra Pradesh	30-12-2019	2,18,00,000
47	32/652/2017-SPV Division	Punjab Energy Development Agency	Punjab	31-12-2019	5,09,90,130
48	32/659/2017-SPV Division	Rajasthan Renewable Energy Corporation Ltd.	Rajasthan	31-12-2019	17,89,83,115



The Private, voluntary organization and State PIAs received grant of more than Rs. 50.00 lakh during the year 2019-20 (up to 31.12.2019)

(A) State Project Implementing Agencies -

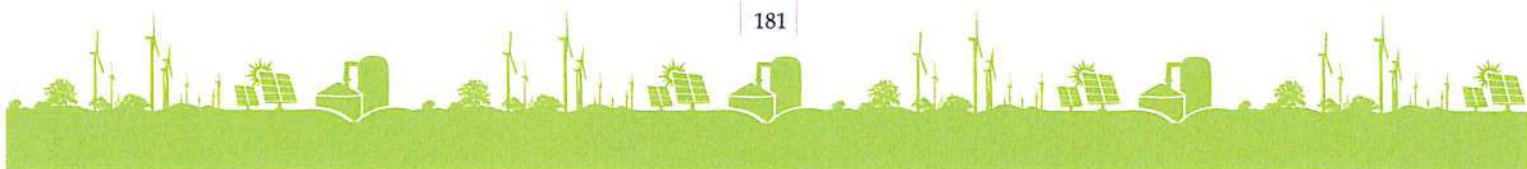
S. No.	Sanction No.	Project/ Organisation	State	Organization / Agency	Funds Releases		Remarks
					Date	(Rs. in Lakh)	
1	286/55/2017-SHP	Setting up of 3 new SHP projects on Saurashtra Branch canal: i. SHP -1 (15 MW) ii. SHP - 2 (15 MW) iii. SHP -3 (15 MW)	Gujarat	Sardar Sarovar Narmada Nigam Limited (SSNNL) Gujarat	28.06.2019	600.00	Release of balance of 3rd instalment.
2	286/23/2017-SHP	Setting up of 3 SHP projects on Kachhh Branch Canal: i. SHP - I (9.99MW) ii. SHP - II (6.66MW) iii. SHP-III (6.66MW)	Gujarat	SSNNL, Gujarat	30.08.2019	2100.00	Release of 3rd instalment.
3	6/4/2015- SHP	Setting up of 6 nos. of SHPs totalling to 12 MW capacity on Migyam Branch Canal in Gujarat	Gujarat	SSNNL, Gujarat	27.12.2019	1942.50	Release of part of 2nd and 3rd instalment combined.
4	286/1/2017-SHP	Upper Kallar (2MW) SHP	Kerala	KSEBL	27.09.2019	210.00	Release of 2nd instalment
5	290/53/2017-SHP	Development & Upgradation of 233 Watermills in Karnataka.	Karnataka	Karnataka Renewable Energy Development Limited (KREDL), Karnataka	24.10.2019	159.45	Release of 2nd and final instalment.
6	3(70)(2)2008(Vol II)-SHP	Setting up of : i. Kidding SHP (0.5 MW) ii. Payu SHP (1 MW)	Arunachal Pradesh	Department of Hydro Power Development	12.12.2019	345.49	Release of final instalment.
7	286/7/2017-SHP	Dunao SHP (1.50 MW)	Uttrakhand	UJVNL Uttrakhand	28.09.2017	52.50	Release of 4th & final instalment.
Total						5409.94	
(B) Private Sector -							
1	287/95/2017-SHP	Leond SHP	Himachal Pradesh	M/s Leond Hydro Power Pvt. Ltd.	12.04.2019	150.00	Release of 2nd and final instalment of subsidy.



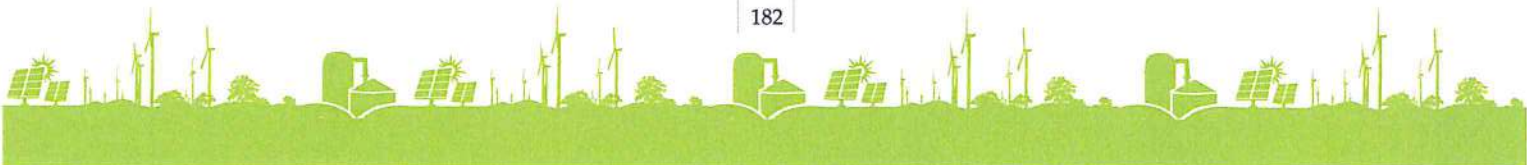
2	287/7/2017-SHP	Serai SHP (2MW)	Himachal Pradesh	M/s Pinnacle Hydro Pvt. Ltd.	17.10.2019	105.00	Release of 2nd and final instalment of subsidy.
3	287/4/2018-SHP	Sarju- III SHP (9.0MW)	Uttarkhand	M/s Uttar Bharat Hydro Power pvt. Ltd.	29.08.2019	197.50	Release of 2nd and final instalment of subsidy.
4	287/170/2017-SHP	Vanala SHP (15MW)	Uttarkhand	M/s HIMURJA Pvt. Ltd.	13.09.2019	620.00	Release of final subsidy
5	287/44/2017-SHP	Sarju- II SHP (10.5MW)	Uttarkhand	M/s Uttar Bharat Hydro Power pvt. Ltd.	06.12.2019	185.00	Part release of 2nd instalment of eligible subsidy.
6	287/4/2018-SHP	Yettinahole SHP (3.0MW)	Karnataka	M/s Mysore Mercantile Co. Ltd.	12.09.2019	80.00	Release of 2nd and final instalment of subsidy.
Total						1337.50	

Fund released to Implementing Agencies under “Off-Grid and Decentralized Concentrated Solar Thermal (CST) Technologies for Community Cooking, Process Heat and Space Heating & Cooling Applications in Industrial, Institutional and Commercial Establishments” Programme in 2019

Sl. No.	Sanction Number	Agency Name	Release Date	Amount (Rs.)
1.	271/97/2017-CST	Vidya Dairy	20.01.2019	13,68,000
2.	271/138/2017-CST	LREDA	29.03.2019	3,62,02,500
3.	271/138/2017-CST	KREDA, Kargil	25.04.2019	75,17,759
4.	271/8/2019-CST	M/s Ultra Conserve P. Ltd.	28.08.2019	13,30,560
5.	271/1/2019-CST	M/s Megawatt solutions	13.11.2019	22,80,000
6.	271/2/2018-CST	Savitri Bai Phule University	20.11.2019	16,52,000
7.	271/3/2019-CST	M/s Megawatt solutions	26.11.2019	11,40,000
8.	271/138/2017-CST	KREDA, Kargil	06.12.2019	3,38,32,781

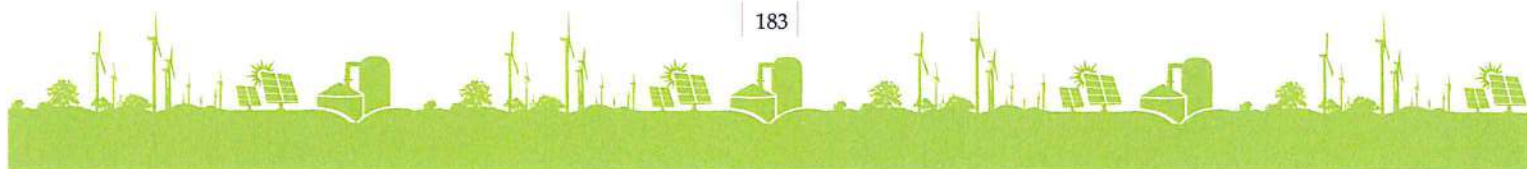


Agency Wise release of funds under Grid Connected Rooftop Solar Photovoltaic Programme in 2019			
No.	Sanction Number	Amount (in Rs)	Agency name
1	318/69/2019-Grid Connected Rooftop	3,33,62,640.00	Madhya gujarat vij co. Limited - mgvcl-[mgvcl]
2	318/20/2018-Grid Connected Rooftop-Part(2)	12,10,38,042.00	Gujarat energy development agency-[geda]
3	318/65/2019-GCRT	1,32,50,000.00	Nhpc ltd.-[nhpc]
4	318/23/2019-GCRT	1,45,44,000.00	Ntpc vidyut vyapar nigam ltd.-[nvvn]
5	318/234/2017-GCRT	78,84,45,653.00	Solar energy corporation of india limited-[seci]
6	318/82/2017-GCRT	1,48,65,000.00	Pec limited-[peclimited]
7	318/19/2019-GCRT	2,52,00,000.00	Manipur renewable energy development agency (manireda)-[manireda]
8	318/15/2019-GCRT	4,72,66,687.00	India sme technology services limited-[dlne00000933]
9	318/30/2017-GCRT	7,66,78,350.00	Uttarakhand renewable energy development agency (ureda)-[ureda@2521387]
10	318/62/2019-Grid Connected Rooftop	20,23,33,034.00	Telangana new & renewable energy development corporation limited-[tnredcl]
11	318/57/2019-Grid Connected Rooftop	5,49,63,369.00	Punjab energy development agency-[peda]
12	318/71/2019-Grid Connected Rooftop	52,87,08,581.00	Gujarat energy development agency-[geda]
13	318/69/2019-Grid Connected Rooftop	3,33,62,640.00	Dakshin gujarat vij company ltd - dgvccl-[dgvccl]
14	318/67/2017-Grid Connected Rooftop	36,89,501.00	Manipur renewable energy development agency (manireda)-[manireda]
15	318/28/2019-GCRT	3,46,50,000.00	Meghlaya non conventional & rural energy development agecny-[mnreda]
16	318/46/2019-GCRT	2,29,50,000.00	Jharkhand renewable energy development agency-[jreda]
17	318/4/2017-GCRT	5,40,43,020.00	West bengal renewable energy development agency-[wbreda]
18	318/19/2019-GCRT	1,26,00,000.00	Manipur renewable energy development agency-[manireda]
19	318/33/2018-GCRT	13,05,98,413.00	Haryana renewable energy development agency-[hareda]
20	318/90/2018-GCRT	6,52,99,013.00	Jammu & kashmir energy development agency-[jakeda]
21	318/343/2017-GCRT	2,82,51,405.00	West bengal renewable energy development agency-[wbreda]
22	318/7/2019-GCRT	2,47,03,319.00	Solar energy corporation of india limited-[seci]
23	318/35/2018-GCRT	3,97,62,565.00	Indian oil corporation ltd.-[iocrandd]
24	318/23/2019-GCRT	2,53,61,417.00	Ntpc vidyut vyapar nigam ltd.-[nvvn]
25	318/14/2018-GCRT	2,66,89,727.00	Chhatisgarh state renewable energy development agency-[creda]
26	318/1/2019-GCRT	4,98,10,800.00	Central electronics ltd.-[celt]
27	318/27/2019-GCRT	9,24,00,000.00	Assam energy development agency-[aeda]
28	318/38/2019-GCRT	5,14,80,218.00	West Bengal renewable





Fund release to implementing agencies (State Nodal Agency, State Nodal Department, KVIC, NDDB Anand Gujarat etc.) under New National Biogas Organic Manure Programme (NNBOMP) & Biogas Power (off-grid) Generation and Thermal programme (BPGTP) for the FY 2019-20 as on 15.01.2020.					
S. No	Name of Project	Executing Agency	Sanction	Sanction Date	Amount released By MNRE UP TO 15.01.2020
1.	NNBOMP	NEDCAP, Andhra Pradesh	253/29/2019-BG	28.08.2019	1,50,00,000
2.	NNBOMP	NEDCAP, Andhra Pradesh	253/44/2019-BG	28.06.2019	24,41,000
3.	NNBOMP	MPSAIDC, Madhya Pradesh	253/25/2019-BG	26.08.2019	2,40,00,000
4.	NNBOMP	MPSAIDC, Madhya Pradesh	253/27/2019-BG	05.09.2019	48,00,000
5.	NNBOMP	MPSAIDC, Madhya Pradesh	253/28/2019-BG	04.09.2019	60,00,000
6.	NNBOMP	MPSAIDC, Madhya Pradesh	253/24/2019-BG	31.07.2019	51,07,500
7.	NNBOMP	Dir. Of Agriculture Kerala	253/37/2019-BG	27.09.2019	60,00,000
8.	NNBOMP	OREDA, Bhubneshwar	253/44/2019-BG	27.09.2019	48,00,000
9.	NNBOMP	RD&PRD Karnataka	253/29/2019-BG	05.09.2019	3,60,00,000
10.	NNBOMP	RD&PRD Karnataka	253/35/2019-BG	30.09.2019	6,84,000
11.	NNBOMP	RDD Maharashtra	253/34/2019-BG	27.09.2019	3,90,00,000
12.	NNBOMP	RDD Maharashtra	253/36/2018-BG	28.06.2019	90,00,000
13.	NNBOMP	RDD Maharashtra	253/34/2018-BG	28.06.2019	60,00,000
14.	NNBOMP	TREDA, Tripura	253/33/2019-BG	05.09.2019	10,00,000
15.	NNBOMP	TREDA, Tripura	253/45/2019-BG	25.11.2019	20,00,000
16.	NNBOMP	TREDA, Tripura	253/47/2019-BG	19.11.2019	3,65,000
17.	NNBOMP	PEDA, Punjab	253/36/2019-BG	30.09.2019	2,40,00,000
18.	NNBOMP	UREDA, Uttarakhand	253/5/2019-BG	29.06.2019	24,00,000
19.	NNBOMP	UREDA, Uttarakhand	253/65/2019-BG	08.06.2019	67,20,000
20.	NNBOMP	UREDA, Uttarakhand	253/4/2019-BG	29.06.2019	6,00,000
21.	NNBOMP	UREDA, Uttarakhand	253/66/2017-BG	29.06.2019	7,40,000
22.	NNBOMP	UREDA, Dehradun Uttarakhand	253/57/2019-BG	26.12.2019	6,00,000
23.	NNBOMP	RDD, Pauri, Uttarakhand	253/53/2019-BG	10.12.2019	36,00,000
24.	NNBOMP	RDD, Pauri, Uttarakhand	253/54/2019-BG	12.12.2019	6,00,000
25.	NNBOMP	RDD, Pauri, Uttarakhand	253/55/2019-BG	10.12.2019	6,00,000



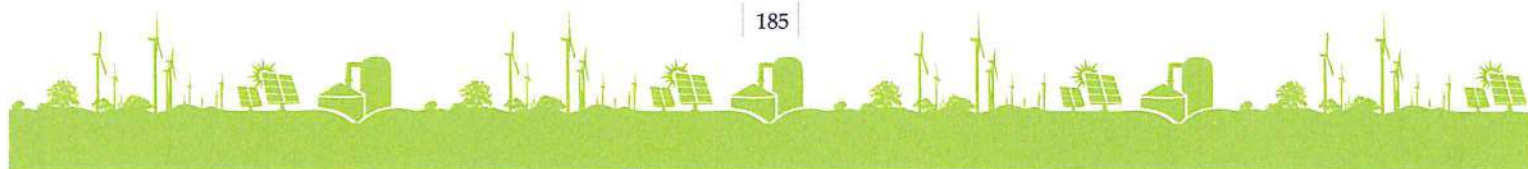
26.	NNBOMP	BDTC, PAU, Ludhiana	253/17/2019-BG	28.06.2019	20,74,687
27.	NNBOMP	BDTC, UAS, Bangalore	256/4/2019-BG	08.05.2019	2,83,155
28.	NNBOMP	BDTC, CESR, Indore	256/2/2019-BG	29.05.2019	10,00,000
29.	NNBOMP	KVIC, Mumbai	253/8/2017-BG	27.09.2019	13,17,650
30.	NNBOMP	NDDDB, Anand , Gujarat	253/46/2019-BG	16.10.2019	1,80,00,000
31.	NNBOMP	NDDDB, Anand , Gujarat	253/48/2019-BG	26.11.2019	30,00,000
32.	NNBOMP	NDDDB, Anand , Gujarat	253/49/2019-BG	27.11.2019	30,00,000
33.	NNBOMP	BDTC, TNAU, UAS Bangalore, PAU, Ludhiana, CESR Indore	256/8/2019-BG	29.07.2019	96,87,808
34.	NNBOMP	BDTC, IIT Guwahati, MPUAT Udaipur	256/8/2019-BG	11.09.2019	41,06,036
35.	NNBOMP	BDTC,, KIIT	256/8/2019-BG	11.09.2019	26,25,224
36.	BPP	MEDA, Maharashtra	343/14/2017-BG	29.05.2019	27,25,000
37.	BPP	UPNEDA, Uttar Pradesh	343/10/2019-BG	29.08.2019	11,44,000
38.	BPP	UPNEDA, Uttar Pradesh	343/9/2017-BG	03.09.2019	18,48,000
TOTAL					25,28,69,060

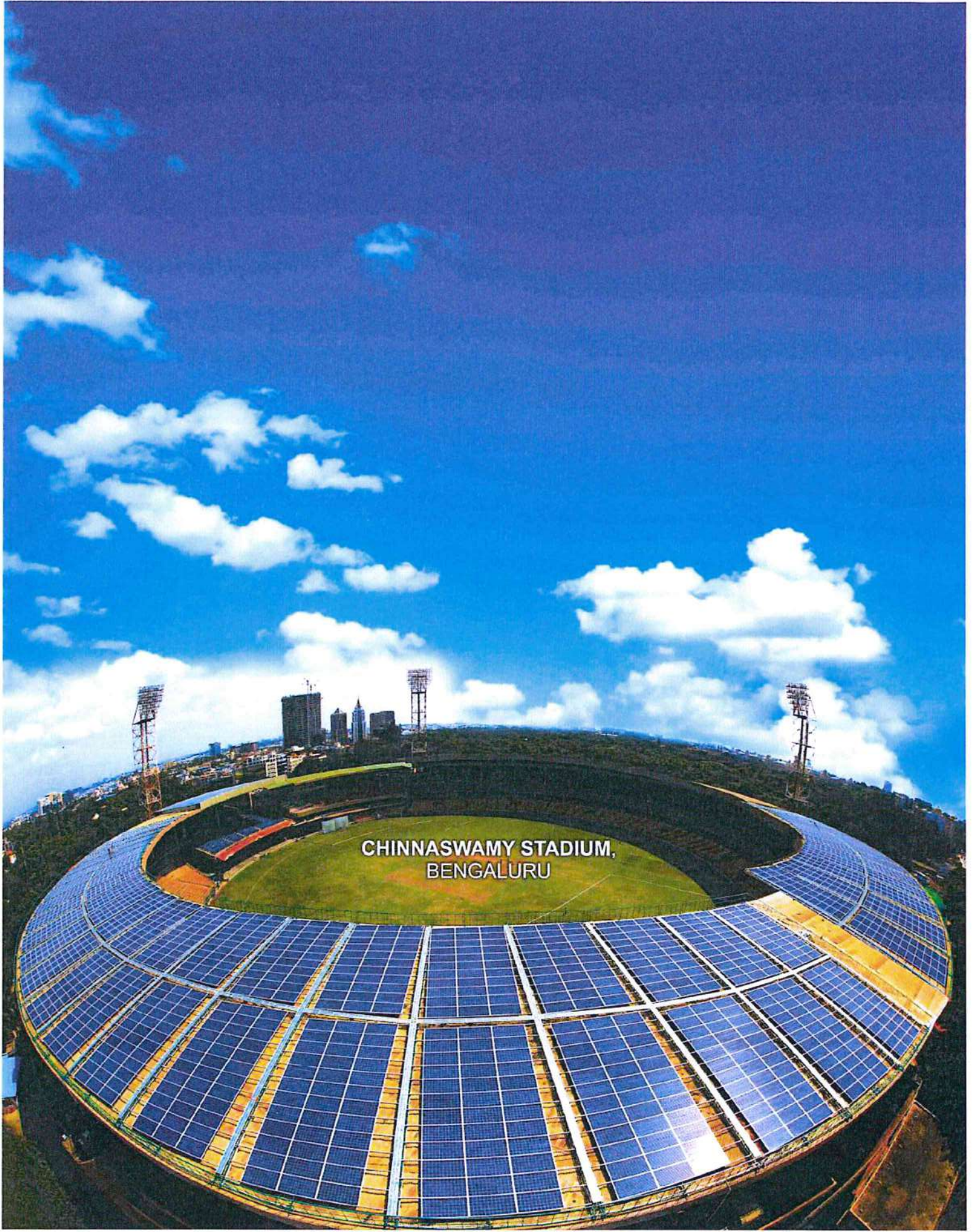
The following private and voluntary organization received grant of more than Rs. 10 lakh but less than Rs. 50 lakh under Research and Development Programme during the year 2019-20 (31.12.2019)

S. No.	Sanction No.	Project/ Organization Name	State	Fund Released	
				Date	Amount (In Lakhs)
1.	07/04/2008-09/ST	RTC, Indore	Madhya pradesh	27.06.2019	26,31,923/-
2.	15/27/2016-17/ST	C.S.M.C.R.I	Gujarat	17.07.2019	9,20,000/-
3.	10/1/2013-SHP	IIT Roorkee	Uttar pradesh	19.08.2019	4,21,000/-
4.	7/1/2009-10/ST	RTC Madurai	Tamilnadu	30.08.2019	15,45,000/-
5.	7/3/2012-13/ST	RTC Murthal	Haryana	30.08.2019	14,99,512/-
6.	7/5/2008-09/ST	RTC Spreri	Gujarat	20.09.2019	10,26,000/-
7.	15/22/2012-13/ST	NISE Gurugram	Haryana	05.11.2019	40,00,000/-
8.	07/04/2009-10	RTC, Pune	Maharashtra	08.11.2019	3,68,000/-

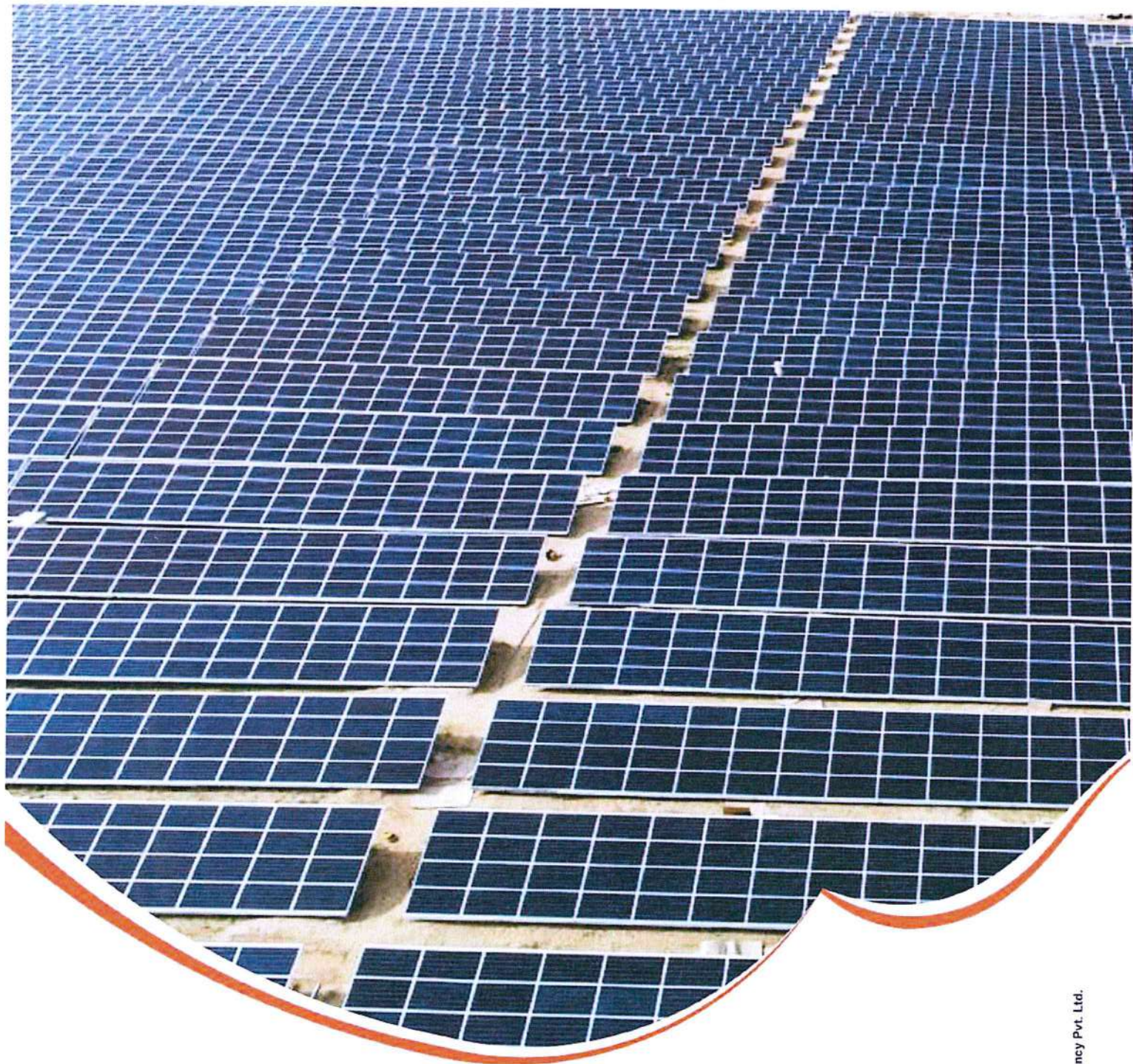


The following private and voluntary organization received grant of more than Rs. 10 lakh but less than Rs. 50 lakh under Hydrogen and Fuel Cell Programme during the year 2019-20 (31.12.2019)		
S.no	Name	Fund Released (INR)
1.	Indian Institute of Science Bangalore	8000000
2.	Vivekananda Global University	1100000
3.	Indian Institute of Technology Kharagpur	900000
4.	SRM University	500000
5.	International Advanced Research Centre For Powder Metallurgy and New Metariles	61500000
6.	International Advanced Research Centre For Powder Metallurgy And New Metariles	17400000
7.	International Advanced Research Centre For Powder Metallurgy And New Metariles	78900000





CHINNASWAMY STADIUM,
BENGALURU



सत्यमेव जयते

Ministry of New and Renewable Energy

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