

## CHAPTER

# 11

## SUPPORT PROGRAMMES





## SUPPORT PROGRAMMES

### 11.1 INFORMATION AND PUBLIC AWARENESS PROGRAMME

**11.1.1** India is a part of global renewable energy transition and stands among the top five countries in the world in terms of renewable energy capacity. The Ministry has worked systematically for putting in place facilitative policies and programmes for achieving the goal. 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, PM-KUSUM 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) Bureau of Outreach and Communication (BOC), (ii) National Film Development Corporation (NFDC); (iii) Doordarshan; (iv) All India Radio (AIR); (vi) State Nodal Departments/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/Organizations. 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. The Ministry organized 3rd edition of RE-INVEST from 26-28 November, 2020 on virtual platform. Publicity using electronic and social media was made for 3rd RE-INVEST.
- ii. Logo Supports were extended to different organizations for different events/exhibitions on Renewable Energy.
- iii. Programmes, schemes, achievements are regularly posted on Social Media through Ministry's three Institutes and two PSUs.
- iv. Produced short films on PM KUSUM, Rooftop Solar, RE INVEST for IEC activities and booklet on investment opportunities in RE sector of India.

### 11.2 PLANNING AND COORDINATION

**11.2.1** The Planning and Coordination Division is responsible for overall planning and coordination for all matters related to various schemes and programmes being implemented, various policy and fiscal reforms being undertaken by the Ministry. The work involves maintaining a close liaison with different Programme Divisions of the Ministry and with other concerned Ministries and Departments such as the Prime Minister's Office (PMO), the National Institution for Transformation of India (NITI) Aayog, Ministry of External Affairs (MEA), the Cabinet Secretariat, Public Investment Board (PIB) and State Government Agencies including State Nodal Agencies (SNA) and Energy or Renewable Energy Departments on a regular basis.





**11.2.2** The activities handled by the division during the year 2020-21 significantly included compilation and regular up-dation 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 on major achievements and initiatives; and Action Taken Reports. The work also includes high priority Monthly Official Communications and Letters for the PMO, the Cabinet Secretariat, the PIB, multi-sectoral inputs and briefs for various meetings, inputs for speeches of Hon'ble President and Hon'ble Prime Minister, Hon'ble Finance Minister, Hon'ble Minister and Secretary of MNRE, replies to Members of Parliament and other Dignitaries.

Responses are also prepared for Questionnaires, Parliament Questions involving multiple schemes and programmes, up-dation of various portals of the Ministry, such as E-SAMIKSHA, PRAGATI among others. Providing time-bound compilation of comments on various draft Cabinet Notes, Expenditure Finance Committee (EFC) and Standing Finance Committee (SFC) and Queries received from other Ministries and Departments, preparation of Output-Outcome Framework for the Budget among others.

### 11.3 HUMAN RESOURCES DEVELOPMENT

**11.3.1** Human Resource Development (HRD) scheme of MNRE supports trainings for manpower at all levels including promoting higher studies and research courses in R&D, and academic institutions in Renewable Energy by providing Fellowships to students and research scholars. Support is also provided to R&D and academic institutes for up-gradation of their libraries and laboratories for conducting higher degree courses at the Post-Graduate and Doctoral levels 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 to create trained workforce for installation, commissioning, operation and maintenance of Solar Energy projects and **Vayumitra** programme for skill development in Wind Energy.

The following are the various components of the HRD scheme:

- » 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.
- » Suryamitra and other Skill Development programmes in Solar Water Pumping and Wind Energy
- » The following Fellowship programmes are supported by the Ministry:
  - \* 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.
- » Support to higher educational institutions for laboratory and library upgradation.
- » Development of course materials through individual Experts or Specialised Institution
- » National Renewable Energy Internship scheme





### 11.3.2 National Renewable Energy Fellowship Scheme

MNRE continued its support to students and scholars for pursuing higher studies such as M.Sc, M.Tech, Ph.D, courses in Renewable Energy in 11 selected Educational Institutions by providing fellowships or stipend under NREF Scheme. In the year 2020-21, **37** Ph.D, **26** M.Tech or M.E and **20** M.Sc Fellowships were being provided through Direct Benefit Transfer (DBT) mode under out of which 17 students awarded M.Tech or M.E degree and 10 students were awarded M.Sc (Renewable Energy) degree. The list of supported institutes are given in **Table 11.1**.

**Table 11.1: Institutions supported by MNRE Fellowships under NREF Scheme in 2020-21**

S.No.	Institutions to which Fellowships provided (M. Sc, M.Tech, JRF/SRF (Ph.D))
1.	Indian Institute of Technology, Kharagpur
2.	Indian Institute of Technology, Roorkee
3.	Pune University, Pune, Maharashtra.
4.	Pondicherry University, Puducherry.
5.	Shri Mata Vaishno Devi University, Katra, J&K.
6.	Jadavpur University, Kolkata
7.	Cochin University of Science and Technology, Kochi
8.	Indian Institute of Engineering Science & Technology, Shibpur, West Bengal.
9.	University of Lucknow, Lucknow.
10.	National Physical Laboratory (NPL), CSIR, New Delhi
11.	Central University of Jharkhand , Ranchi

### 11.3.3 Skill Development Programmes and 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 trained 47,166 Suryamitras by March 2020. For the current year, a target of training 4,500 Suryamitras have been allocated to National Institute of Solar Energy (NISE), Gurugram. These are being organized through Training Centres and partner organisations in different states across the country empanelled through Expression of Interest (EOI) floated by NISE in March, 2020. A total number of 47,166 Suryamitra have been trained by March 2020. The state-wise progress of the Suryamitra programme 2015-2020 is shown in **Table 11.2**.

**Table 11.2 - Progress of Number of Suryamitras Trained in different States 2015-16 to 2019-2020**

Sl. No	States & Union Territories	Target up to March 2020	Trained in 2015-16	Trained in 2016-17	Trained in 2017-18	Trained in 2018-19	Trained in 2019-20*	Total Trained
1.	Andaman & Nicobar	100	0	0	0	0	0	0
2.	Andhra Pradesh	2000	235	398	211	464	488	1796
3.	Arunachal Pradesh	200	30	0	0	0	0	30
4.	Assam	2500	30	151	252	400	561	1394
5.	Bihar	2500	30	402	287	420	568	1707
6.	Chandigarh	100	0	0	58	90	90	238
7.	Chhattisgarh	2000	90	369	408	360	778	2005
8.	D. & N. Haveli	10	0	0	0	0	0	0





9. Daman & Diu	10	0	0	0	0	0	0
10. Delhi	500	50	0	181	201	240	672
11. Goa	400	30	30	54	60	117	291
12. Gujarat	2000	297	954	335	550	856	2992
13. Haryana	1000	52	121	374	390	480	1417
14. Himachal Pradesh	500	0	36	138	150	120	444
15. Jammu & Kashmir	700	26	0	60	158	306	550
16. Jharkhand	2000	0	152	185	180	269	786
17. Karnataka	2500	90	420	513	348	363	1734
18. Kerala	2000	57	176	120	142	240	735
19. Lakshadweep	100	0	0	30	0	0	30
20. Madhya Pradesh	4000	269	492	597	1164	1616	4138
21. Maharashtra	4000	660	829	561	883	1275	4208
22. Manipur	500	30	30	30	60	0	150
23. Meghalaya	250	0	0	0	0	0	0
24. Mizoram	200	0	0	0	0	0	0
25. Nagaland	200	30	0	30	0	0	60
26. Orissa	2500	0	931	268	567	511	2277
27. Puducherry	50	0	62	0	0	0	62
28. Punjab	2000	30	32	141	120	84	407
29. Rajasthan	2500	53	581	597	775	1116	3122
30. Sikkim	200	0	0	0	0	0	0
31. Tamil Nadu	2500	122	436	672	912	1132	3274
32. Telangana	2000	90	274	600	950	1401	3315
33. Tripura	250	60	0	28	60	30	178
34. Uttar Pradesh	5000	185	664	795	964	1604	4212
35. Uttarakhand	500	60	311	78	231	263	943
36. West Bengal	2500	0	556	564	1313	1566	3999
<b>Total</b>	<b>50270</b>	<b>2606</b>	<b>8407</b>	<b>8167</b>	<b>11912</b>	<b>16074</b>	<b>47166</b>

\*Note: Completion reports of batches imparted in Q3 & Q4 of FY 2019-20 still awaited by NISE

**11.3.5 Solar Water pumping:** Ministry sanctioned 30 training programs to train 900 Varunmitras on Solar Water Pumping Systems on pan India basis for the FY 2020-21 to National Institute of Solar Energy (NISE), Gurugram. These training programmes are being organised by NISE with various partner institutions such as Government Institutions, Engineering Colleges, Polytechnics and Other affiliated institutions, which have been empanelled through Expression of Interest (EOI) with Diploma holders as targeted participants.

### 11.3.6 Skill Development Programmes in Wind Energy

**Vayumitra Foundation Course:** Ministry sanctioned 10 short-term (5 days) training courses namely "Vayumitra Foundation Course" to train 350 personnel relating to installation, operation and maintenance of Wind Power Projects to National Institute of Wind Energy, (NIWE) Chennai for the year 2020-21. Out of these 10 programs, 5 nos. of training programmes are to be conducted at Gandhigram Rural Institute (GRI), Dindigul, Tamil Nadu and 5 programmes at NIWE. All the training programmes have been completed successfully.





### 11.3.7 National Renewable Energy Internship Scheme (NREI)

Under the new scheme The National Renewable Energy Internship (NREI), the Ministry provides internship opportunity to facilitate students pursuing under-graduate, graduate, post graduate degrees or research scholars enrolled in recognized institutions or universities within India or abroad, as Interns. Some 13 internships were provided and another 10 internships are offered to M.Tech, B.Tech, M.Sc and M.BA students under this programme in the year 2020-21.

### 11.3.8 Other Important HRD Activities and Initiatives:

- (a) **RE courses in ITI:** To initiate RE courses in Wind energy and Small Hydro Power areas in ITIs, two Committees were constituted for designing the course content in Wind energy and SHP in coordination with Directorate General of Training (DGT), under the Ministry of Skill Development and Entrepreneurship.
- (b) **Online HRD portal:** An online portal ([hrd.mnre.gov.in](http://hrd.mnre.gov.in)) was operationalized on 6th October, 2020 for implementation of Human Resource Development Programme with services like online submission of application, processing and checking of online status of other short-term training programmes, National Renewable Energy Fellowship Scheme and National Renewable Energy Internship scheme.
- (c) **Participation in 3<sup>rd</sup> RE-INVEST 2020:** A technical session on subject Skilling for Renewables from ITIs to IITs was held on 27.11.2020 as a part of the 3<sup>rd</sup> Global RE-Invest 2020. Dr. Vasantha V. Thakur, Scientist D from MNRE was the coordinator for the session and Mr K Krishan, Chairman, Commonwealth Infrastructure Partners and Managing Director, Skill Council for Green Jobs was the Moderator. The panel included dignitaries such as Secretary, Ministry of Skill Development & Entrepreneurship, skilling experts from Commonwealth Infrastructure Partners, International Labour Organization (ILO), Geneva, All India Council of Technical Education (AICTE), Barefoot College International, Indian Institute of Technology (IIT) Roorkee, and Oil and Natural Gas Commission (ONGC). The session highlighted the need for technician level, supervisory level as well as managerial level courses at other universities and the need of re-skilling and up-skilling short term courses in Renewable Energy.

The session on Women in Renewable Energy held on 27<sup>th</sup> November 2020 was coordinated by Dr. Vasanta V Thakur, MNRE and represented by the women achievers in different areas of Renewable Energy, Science & Technology, Climate Change, Project Development among others. The major takeaways of the session was that the MNRE–Industry–Civil Society– Academic Institutions partnership should be strengthened to accelerate Women's journey to the centre of action in RE, and ensure RE companies have sponsors and mentors to counsel, groom and nurture women so they can progress to leadership roles. The panel emphasised that with the right ecosystem women would equip themselves by picking up required skills and develop confidence to make the most of the emerging opportunities in the Renewable Energy sector.



## 11.4 ADMINISTRATION - E-GOVERNANCE, VIGILANCE, LIBRARY AND RIGHT TO INFORMATION

### 11.4.1 E-Governance and Information Technology (IT) Initiatives

To support the Digital India Initiative of the Government of India, the MNRE has made different Web portals and Mobile apps for transparency in operations and better service delivery to stakeholders.

#### **MNRE's Web Portals and Mobile Apps – A Step Towards e-Governance:**

- (a) **Ministry's Official Website (<https://mnre.gov.in>):** Ministry's official website was updated and re-designed for better dissemination of information to stakeholders. Information at the website is available both in Hindi and English languages.

- (b) **SPIN Portal (<https://solarrooftop.gov.in/>):**

This portal was developed for submission of online applications and project completion reports by implementing agencies for availing the financial assistance for installation of solar roof top projects. The portal is also synchronised with UMANG portal.

- (c) **HRD Portal (<https://hrd.mnre.gov.in>):**

This Portal is developed for online submission of application under following HRD programmes of the Ministry:

- » National Renewable Energy Internship Scheme;
- » National Renewable Energy Fellowship Programme;
- » National Renewable Energy Science Fellowship Programme;
- » Short Term Training Programme in Renewable Energy;

- (d) **CCDC Solar (<https://scms.gov.in/>):** This portal is for facilitating issuance of concessional custom duty certificate for import of components required for setting up of new solar power projects.

#### **Customs Duty Concession for imports of material for initial setting up of Solar Energy Projects**

As per the provision under the Ministry of Finance notifications No. 1/2011- Customs dated 6<sup>th</sup> January, 2011; notification (amendment) No. 21/2011 - Customs dated 17<sup>th</sup> March 2012, notification (amendment) No. 14/2014 - Customs dated 11<sup>th</sup> July 2014, notification no. 44/2017 - Customs dated 30<sup>th</sup> June, 2017, this Ministry was issuing Concessional Customs Duty Certificates (CCDCs) for availing duty concession for importing items / material / components required for initial setting up of Solar Power Projects. During the Financial Year 2020-21, this Ministry had approved applications of 6156.49 MW capacities of solar power projects for issuance of CCDCs. In view of the budget announcement for the FY 2021-22, followed by Ministry of Finance notification No. 7/2021- Customs dated 1<sup>st</sup> February 2021, rescinding the earlier notification dated 6<sup>th</sup> January 2011 and subsequent amendments, the work of issuing CCDCs has been discontinued.





- (e) **CCDC Wind (<https://ccdcwind.gov.in/>):** Similarly, this portal is for issue of concessional custom duty certificate for import of components required for manufacturing of wind turbines.
- (f) **Biourja Portal (<https://biourja.mnre.gov.in/>):** This is for online submission of application for the following schemes:
- » Energy from Urban, Industrial, Agricultural Wastes/Residues and Municipal Solid Waste
  - » Promotion of Biomass-based Co-generation in Sugar Mills and Other Industries.
- (g) **Biogas Web Portal (<https://biogas.mnre.gov.in/>):** This Portal is for implementation of New National Biogas and Organic Manure Programme (NNBOMP) Scheme, and is also available on Mobile App platform (<https://play.google.com/store/apps/details?id=com.app.biogas>).
- (h) **R&D Portal (<https://serviceonline.gov.in/dbt/>):** This is for online submission of RE related R&D proposals.
- (i) **Solar Off-grid Portal (<https://solaroffgrid.mnre.gov.in/>):** This web portal was developed for online submission of proposals by implementing agencies for installation of Off-grid and Decentralized Solar PV applications.
- (j) **PM KUSUM Portal (<https://pmkusum.mnre.gov.in/landing.html>):**
- This Portal was developed for monitoring of implementation of PM KUSUM scheme, which is meant for farmers.
- (k) **Solar Street Light Portal (<https://ssl.mnre.gov.in/>):** This was developed for monitoring of installation of solar street lights which is also available through mobile app (<https://play.google.com/store/apps/details?id=com.mnre.streetlightingapp>).
- (l) **Investment Portal (<https://investment.mnre.gov.in/>):** This portal is to provide one-stop assistance and facilitation to the Industry and Investors for addressing the grievances of RE developers.
- (m) **Akshay Urja Portal (<https://akshayurja.gov.in/>):** This portal provides information about overall potential of renewable which is available, total capacity addition and monthly generation for each energy including grid connected and off grid. These data are available state wise.
- (n) **Indian Renewable Energy Idea Exchange (IREX) portal (<https://irix.gov.in/>):** IRIX is a multi-stakeholder collaborative platform to exchange and catalyse ideas on Renewable Energy.
- (o) **eHRMS:** e-HRMS is a common application tool for personnel management activities like leave, posting, promotion, transfer, maintenance of service book among others.
- (p) **eOffice:** The Ministry has fully implemented eOffice which is meant for effective processing and online movement of files and receipts/ letters. The effectiveness and usefulness of eOffice was particularly visible during the time of lockdown as even during 'work from home' periods the Ministry's work continued without disruption.





### 11.4.2 Vigilance

Vigilance Division of the Ministry of New and Renewable Energy (MNRE) is entrusted with taking anti-corruption measures in accordance with different rules, guidelines and instructions issued by the Government of India and the Central Vigilance Commission. The Division 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). It is also entrusted with the upkeep of Annual Performance Appraisal Reports (APARs) and Immovable Property Returns (IPRs) of officials of the Ministry.

The complaints received in the Vigilance Division during the year 2020 were examined as per rules and guidelines and necessary action was taken wherever there was violation of rules.

Vigilance Awareness Week was observed in the Ministry from 27<sup>th</sup> October, 2020 to 2nd November, 2020 and following activities were undertaken:

- » Integrity Pledge was taken by all the staff and officers.
- » Lecture on preventive vigilance was organized.
- » Essay competition for the officials of the Ministry was organized.
- » Slogans on curbing corruption and preventive vigilance with banners were placed in the premises of the Ministry.
- » Poster making competition on vigilance issues was organised.

Probity related matters on e-portal were 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 reviewed under Rule 56(j) of FR & SR.

### 11.4.3 Library

The Library of the Ministry of New and Renewable Energy acts as a reference center and knowledge house in the field of renewable energy. At present 15,527 books (including gifted books) are available in the library covering diverse 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.

- » The Library Committee constituted in the Ministry scrutinizes and recommends the books for procurement by the library.
- » The Library is currently subscribing to 40 periodicals in Hindi and English languages. Besides, 23 newspapers in Hindi and English languages are also being subscribed. The library is using cloud-based library software e-granthalaya version 4.0.

### 11.4.4 Right To Information

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](http://www.mnre.gov.in).

The Progress Report in terms of RTI Applications or First Appeals received, disposed-off as well as pendency during the period (01.01.2020 to 31.12.2020) is given in **Table 11.3**.

**Table 11.3: Number of RTI Applications or First Appeals received, disposed-off and pending during the Period 01.01.2020 to 31.12.2020**

Item	Received	Disposed off	Pending as on 31.12.2020
RTI Applications	554	511	43
First Appeals	80	71	09

The Ministry has designated Central Public Information Officer (CPIO) and First Appellate Authorities (FAA) to respond the RTI applications and first Appeals in accordance with subjects assigned to them. The list of CPIOs and FAAs is given in **Table 11.4**. The RTI Unit of MNRE, headed by Ms. Alka Joshi, Dy. Secretary coordinates all the physical and online applications and forwards them to CPIOs and FAAs to reply them within the stipulated time lines.

**Table 11.4: MNRE List of Designated Central Public Information Officers (CPIOs) and Appellate Authorities based on re-allocation of Work (As on 31.12.2020)**

Sl. No	Subject	CPIO	Appellate Authority
1.	Climate Change related initiatives including CDM, Directorate for Regulatory Compliance, REC Policy, Re-Invest related documents, ISA, NCEF, New Technologies, Hydrogen Fuel Cell, Green Climate Fund Projects & Coordination with MoEF&CC and NABARD, National Board for Electric Mobility (NBEM)	Shri Dipesh Pherwani, Scientist 'C'	Dr. P.C. Maithani, Scientist 'G'
2.	Monthly RE progress data compilation and up-dation. Preparation of monthly Cabinet DO letter. Preparation of Brief for perusal of Hon'ble Minister meetings, All Matters related to National Infrastructure Pipelines (NIP)	Shri Anubhav Uppal Scientist 'C'	Dr. Pankaj Saxena, Scientist 'G'
3.	Comments on EFC, Cabinet, Power Notes, Concept Paper received from other Ministries and Departments. Preparation of background notes, PPT for meetings of Standing Committee, Power Ministers Conference, RPM meeting, other Review meetings etc. Inputs for speech of Hon'ble Prime Minister Independence Day Address, Hon'ble Finance Minister Budget Speech etc. Preparation of Year-end Reviews, Brief write ups for PIB Inputs for Annual Report including chapter on NE Region ATR on Recommendations of Vision Document All matters related to NITI Aayog monitoring including annual PM Infrastructure Sector Review and Output Monitoring Frame (OOME). Regular up-dation of e-samiksha and other portals including up-dation of Budget announcements.  Any other miscellaneous task.	Sh. Veepin Kumar, Deputy Director	Sh. J. Rajesh Kumar, Economic Adviser
4.	Green Energy Corridor, Geothermal, Ocean / Tidal	Shri Rohit Thakwani, Scientist 'C'	Shri Girish Kumar, Scientist 'E'





5.	Information Technology, Development of Re-Portal Lab Policy, Standards and Quality Control.	Shri Vikram Dhaka, Scientist 'C'	Shri Arun Kumar Director
6.	Solar projects in Ladakh under PMDP, Solar Parks in NE States, Jharkhand & Odisha, UMREPP by other CPSUs	Shri Aravindh MA, Scientist 'C'	Shri Sunil Kumar Gupta, Sci 'D'
7.	VGF Scheme, Rooftop PV and Small Solar Power Generation Programme (RPSSGP), GBI Scheme, Solar Cities & Green Building, NTPC-Bundling, NTPC-EPC Projects, Konark Scheme, Matters related to Department of Commerce	Shri Aravindh MA, Scientist 'C'	Shri Girish Kumar, Scientist 'E'
8.	All work related to Biomass Power Schemes & Policies, Bio-energy mission, Biomass cook-stove, Biomass Gasifier & Bio energy related externally aided projects.	Ms. Priya, Scientist 'C'	Sh. Aseem Kumar Director
9.	Waste to Energy	Shri Vijay Kumar Bharti Scientist 'C'	Sh. Aseem Kumar Director
10.	Biogas Power (Off Grid Programme), Biogas Training Centres and Biomass R&D	Shri S.R. Meena, Scientist 'C'	Shri Dinesh Dayanand Jagdale, JS
11.	IREDA, All Administrative matters of SECI	Shri Arvind Sahadev Gholap, SO	Shri Sanjay Karndhar Scientist 'D'
12.	Off-Grid Solar, Agri Pump Scheme, Street Lights, Home Lights, SADP, Akshay Urja Shop, KUSUM Programme	Shri Shobhit Srivastava Scientist 'D'	Shri Jeevan Kumar Jethani, Scientist 'E'
13.	HRD & ITEC	Dr. Vasanta V Thakur, Scientist 'D'	Shri G Upadhyay, Scientist 'G'
14.	Energy Storage, Electric Vehicle for Surface Transport, Akshay Urja Magazine, Media Policy, Storage, Battery Testing (R&D), EFM	Shri Tarun Singh Scientist 'D'	Dr. P.C. Maithani, Scientist 'G'
15.	Rooftop Solar, One Solar City in every State with 100% rooftop on households	Sh. Manish Singh Bisht, Scientist 'C'	Shri Hiren Borah, Scientist 'D'
16.	Wind Energy (On-shore) Wind Energy (Off-Shore), Small Wind, R&D (Wind)	Shri Rahul Rawat, Scientist 'C'	Shri P K Dash Scientist 'D'
17.	R&D Coordination & Monitoring	Shri Kishore Kumar, Dy. Director	Shri Anil Kumar, Scientist 'D'
18.	Guidelines & Standard Bidding Documents (SBDs), CPSU Government Producer Scheme, Canal Top Solar Scheme, GST Cell, Solar Manufacturing scheme, FDI Cell, Renewable Energy Industry Promotion & Facilitation Board	Shri Sanjay Karndhar, Scientist 'D'	Shri Ruchin Gupta, Director
19.	Greening of Islands	Shri Sanjay Karndhar, Scientist 'D'	Shri Bhanu Pratap Yadav, JS
20.	Organization of RE-INVEST, Small Hydro Projects	Shri S K Shahi Scientist 'D'	Shri Bhanu Pratap Yadav, JS
21.	DBT Cell,	Shri Arun Kumar, Scientist 'D'	Shri Bhanu Pratap Yadav, JS
22.	CCDC for Solar Energy Power Projects	Shri Arun Kumar, Scientist 'D'	Shri B. K. Panda, Scientist 'E'



23.	GST related to Biogas	Shri S.R Meena, Scientist 'D'	Shri Ruchin Gupta, Director
24.	GST related to Wind CDC/EDE	Shri S K Khurana, US	Shri Ruchin Gupta, Director
25.	GST related Solar CDC/EDE	Shri Arun Kumar Scientist 'D'	Shri Ruchin Gupta, Director
26.	GST related to Off Grid Solar	Shri Shobhit Srivastava Scientist 'D'	Shri Ruchin Gupta, Director
27.	GST related to Biomass	Ms. Priya, Scientist 'C'	Shri Ruchin Gupta, Director
28.	CCDC for Wind Energy	Shri S.K Khurana, US	Shri B.K Panda, Scientist 'E'
29.	I& PA and Seminar & Symposia,	Sh. Shri A.K Manish, US	Sh. N. B Raju, Scientist 'E'
30.	Vigilance	Ms. Sunita Dhewal, US	Shri K Salil Kumar, DS
31.	National Solar Mission, Solar Park, Defence Schemes,	Shri Devendra Singh, US	Shri Dilip Nigam, Scientist 'G'
32.	International Relations (IR)	Sh. Chalapathi Rao, Scientist 'C'	Sh. Aseem Kumar, Director
33.	Office of Minister of State (IC), NRE	Sh. D.K Pandey, US	Shri Bhanu Pratap Yadav, JS
34.	Legal Cell	Shri A.K. Singh, US	Shri K. Salil Kumar, DS
35.	Parliament Work	Shri A.K. Singh, US	Sh. Pankaj Saxena, Sci. 'G'
36.	Public Grievances	Shri A.K. Singh, US	Ms. Alka Joshi, DS
37.	Administration	Shri Arvind Pokhriyal, US	Shri K Salil Kumar, DS
38.	All matters of SSS-NIBE	Shri Yoginder Singh, US	Sh. Aseem Kumar Director
39.	IFD	Shri K G Suresh Kumar US	Shri Sandeep Mukherjee, DS
40.	RTI Matters, Library, Budgeting, Expenditure monitoring, Audit & Statistical analysis	Ms. Sunita Sajwan, US	Ms. Alka Joshi, DS
41.	Cash Section	Ms. Sunita Sajwan, US	Sh. K. Salil Kumar, DS
42.	Hindi	Shri N.S Dugtal, Dy. Dir.	Ms. Alka Joshi, DS
43.	PAO, Budget	Shri Pratap Singh, Sr. AO	Shri Arvind Kumar, CCA
44.	All administrative and financial matters of NISE	Sh. Devendra Singh, US	Sh. K. Salil Kumar, DS
45.	All administrative and financial matters of NIWE	Sh. Rahul Rawat, Scientist 'C'	Sh. K. Salil Kumar, DS





## CHAPTER

# 12

### 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 Department of Economics Affairs (DEA), Ministry of External Affairs (MEA), Indian Missions located in various countries, Embassies of various countries located in India, multilateral international organizations among others, for Cooperation, Development & Deployment and signing of Memorandum of Understandings (MoUs) and Agreements in the field of New & Renewable Energy.
- 12.2** During the current year also Ministry has taken several initiatives for promotion of New & Renewable Energy cooperation by signing Memorandum of Understanding (MoUs), Implementation Agreements (IAs), convening Bilateral, Multilateral and Joint Working Group (JWG) Meetings mostly through virtual modes. The Delegations were led at the level of Hon'ble Minister and senior officers of the Ministry for the purpose of these events in the field of Renewable Energy.
- 12.3** MNRE has signed Memorandum of Understanding (MoUs) and Agreements with different countries and organizations in the field of New and Renewable Energy. Under signed MoUs, 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 (MoC&I), Ministry of Power (MoP), NITI Aayog, among others. Mutually agreed projects and activities for cooperation were 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 Association of South-East Asian Nations (ASEAN), Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC), Brazil-Russia-India-China-South Africa (BRICS), Colombo Plan, G20, India-Brazil-South Africa (IBSA), Indian Ocean Rim Association (IORA), South Asian Association for Regional Cooperation (SAARC), South Asia Sub-regional Economic Cooperation (SASEC), Shanghai Cooperation Organisation (SCO), among others.
- 12.5** The Ministry also engages with various international Institutions & agencies, like Asian Development Bank (ADB), Agence Française de Développement (AFD), Danish Energy Agency (DEA), Technical University of Denmark (DTU), European Union (EU), Foreign Commonwealth and Development Office (FCDO), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), International Renewable Energy Agency (IRENA), International Energy Agency (IEA), International Solar Alliance (ISA), Kreditanstalt für Wiederaufbau (KfW), Physikalisch-Technische Bundesanstalt (PTB), United States Agency For International Development (USAID), United Nations Development Programme (UNDP), United Nations Industrial Development Organization (UNIDO), World Bank (WB), among others, for assistance and providing technical inputs of renewable energy projects.
- 12.6** The Ministry also facilitates specialized training programmes in developing and under developing countries in the fields of Solar Energy, Wind Energy, Small Hydro Power & Biomass at India 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 the current year, the following Memorandum of Understandings (MoUs) and Cooperation Agreement have been signed:

- » A Memorandum of Understanding (MoU) between International Solar Alliance (ISA), Ministry of New and Renewable Energy and International Bank for Reconstruction and Development and International Development Association, was signed on 08.09.2020 regarding "Implementation of 'One Sun One World One Grid' (OSOWOG) Initiative".
- » A Memorandum of Understanding (MoU) between the National Institute of Solar Energy (NISE), Ministry of New and Renewable Energy (MNRE), Government of India and the International Solar Energy Institute (ISEI) Government of Uzbekistan was signed on 10.12.2020 for cooperation in the field of Solar Energy.
- » A Memorandum of Understanding (MoU) between the Ministry for the Ecological Transition of the French Republic and the Ministry of New and Renewable Energy of the Republic of India, on renewable energy cooperation, was signed on 28.01.2021 at New Delhi.

**12.8** During the current year, the following Joint Working Group (JWG) meetings were organised in the field of Renewable Energy (**Table 12.1**).

**Table 12.1: Joint Working Groups meetings organised by MNRE**

S. No.	Between the Countries	Date of meeting	Remarks
1.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Industry of the Republic of Iceland	28 <sup>th</sup> August, 2020	Held Virtually
2.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Infrastructure and Transport of the Republic of Fiji	10 <sup>th</sup> September, 2020	Held Virtually
3.	The Government of the Republic of India and the Government of the United Kingdom of Great Britain and Northern Ireland	18 <sup>th</sup> September, 2020	Held Virtually
4.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Foreign Affairs, DECC of the Government of United Arab Emirates	11 <sup>th</sup> November, 2020	Held Virtually
5.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the European Union	13 <sup>th</sup> November, 2020	Held Virtually
6.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Energy and Mining of the Republic of Peru	11 <sup>th</sup> December, 2020	Held Virtually
7.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Education of the Government of the Republic of Myanmar	18 <sup>th</sup> December, 2020	Held Virtually
8.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Electricity and Water Authority of the Government of the Kingdom of Bahrain	4 <sup>th</sup> February, 2021	Held Virtually



Apart from above, various meetings with bilateral/multilateral agencies under the technical assistance programs with MNRE, international events etc. were also held virtually during COVID 19 pandemic.

- 12.9** The 3<sup>rd</sup> Global RE-INVEST Meet and Expo was held from 26- 28 November, 2020 on a virtual platform. Nine country sessions were organized viz Australia, Denmark, France, Germany, Italy, Maldives, United Kingdom and Agencies of European Union & United States during 27-28 November, 2020. The sessions were very fruitful covering the aspects of country specific areas of interest and technologies.
- 12.10** The South Asian Group for Energy (SAGE), is a consortium for collaboration between institutions under the Ministry namely, National Institute of Wind Energy (NIWE), National Institute of Solar Energy (NISE) and the National Institute of Biomass Energy (NIBE) and three national laboratories of the U.S., namely the Lawrence Berkeley National Laboratory (LBNL), the National Renewable Energy Laboratory (NREL) and the Pacific Northwest National Laboratory (PNNL). The SAGE was launched on 7th July 2020 combinedly by MNRE and USAID. Several key areas, that will help maximize the impact of this collaboration, have been identified by the participating institutions.
- 12.11** The Ministry of New and Renewable Energy has agreed to participate in the Technology Collaboration Programmes (TCPS) of International Energy Agency (IEA), in the fields of Wind, Hydrogen and Solar Photovoltaics.
- 12.12** India has been declared as a Global Champion for the thematic theme on "Energy transition" of the United Nations High level Dialogue on Energy. MNRE will lead the theme for the event scheduled to be held in September, 2021.



**Fig. 12.1:** MoU signed between the Ministry for the Ecological Transition of the French Republic and the Ministry of New and Renewable Energy of the Republic of India on renewable energy cooperation on 28.01.2021 at New Delhi

### **12.13 ENGAGEMENT WITH INTERNATIONAL RENEWABLE ENERGY AGENCY (IRENA)**

- 12.13.1** IRENA 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 and India is one of the Founding Members of the International Renewable Energy Agency (IRENA). 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.

**12.13.2** 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. India regularly participates in the meetings of Council and General Assembly of IRENA and provides constructive suggestions. India will also chair the Vice Presidency of IRENA Assembly during 2021.

**12.13.3** The 11<sup>th</sup> session of the IRENA General Assembly was held virtually from 18<sup>th</sup> to 21<sup>st</sup> January, 2021 at Abu Dhabi on a digital platform. The eleventh IRENA Assembly gathered over 2100 registered participants from 144 countries, including 134 Members and representatives from 330 organisations. The Indian delegation was led by Hon'ble Minister of State (IC) for Power & NRE and Secretary and Joint Secretary (IR) from MNRE were also participated in the event. India was designated as one of the Vice Presidents for the 11<sup>th</sup> session of the Assembly of IRENA 2021.

Hon'ble Minister of State (IC) for Power & NRE participated in a High Level Panel on "Energy Transition for Sustainable Post-Covid Recovery" held on 20<sup>th</sup> January, 2021. The Hon'ble Minister also Chaired the session "Renewables and Pathway to Carbon Neutrality - Innovation, Green Hydrogen and Socioeconomic Policies" held on 20<sup>th</sup> January, 2021.

Secretary, MNRE Chaired the Member interventions session held on 19<sup>th</sup> January, 2021, and also participated as a speaker in the Ministerial Plenary session "National Energy Planning and Implementation for Fostering Energy Transition" held on 19<sup>th</sup> January, 2021. Joint Secretary (IR), MNRE participated in the Ministerial Plenary session "Scaling up Finance for Renewables" held on 19<sup>th</sup> January, 2021.

## 12.14 INTERNATIONAL SOLAR ALLIANCE

**12.14.1** The International Solar Alliance (ISA), launched in November 2015, is the result of an Indian initiative for collectively addressing key common challenges to scaling up of solar energy. With the signing and ratification of the ISA Framework Agreement by 15 countries, on 6<sup>th</sup> December, 2017, ISA became the first international intergovernmental organization to be headquartered in India. The First Assembly of the ISA, held on 3<sup>rd</sup> October, 2018, adopted a resolution for an amendment to the Framework Agreement to expand the scope of membership of the ISA to all countries that are members of United Nations (UN). As on date, 88 countries have signed the Framework Agreement of the ISA. Of these, 70 countries have also ratified the same.

**12.14.2** On 8<sup>th</sup> September, 2020 ISA organized the World Solar Technology Summit which was inaugurated by Hon'ble Prime Minister of India. More than 26,000 participants from **149 nations** joined the summit virtually. During the year the Standing Committee of the ISA, chaired by President, ISA and Minister for New and Renewable Energy and Power met twice, and the last meeting was held on 10<sup>th</sup> September, 2020. Further, the third Assembly of the ISA was held on 14<sup>th</sup> October, 2020.





**12.14.3** ISA has so far launched seven programmes: Scaling Solar Applications for Agriculture Use; Affordable Finance at Scale; Development of large-scale Grid connected Solar projects; Scaling Solar Mini-Grids; Scaling Solar Rooftop and Scaling Solar e-mobility and Storage; and Solarizing Heating and Cooling systems. These programmes help in achieving the overall goal of increased solar energy deployment in the ISA member countries for achieving universal energy access and speeding up economic development.

**12.14.4** A large number of organizations such as the World Bank, the UNDP, European Investment Bank, Green Climate Fund among others have signed Joint Declarations for forging partnerships with ISA for development and deployment of Solar Energy globally.





## CHAPTER

# 13

### PROMOTION OF OFFICIAL LANGUAGE –HINDI

हिंदी  
शिक्षण

जन जन की भाषा  
है हिंदी



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## PROMOTION OF OFFICIAL LANGUAGE – HINDI

**13.1 INTRODUCTION:** 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:

- » Translation work.
- » Implementation of the Official Language Policy of the Government of India.

**13.2** During the year 2020-21, concerted efforts were made to ensure proper compliance of the provisions of Official Languages 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 and schemes are being undertaken which include the following:

- » Website of the Ministry has been made bilingual and it is being updated from time to time.
- » 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.
- » Standard Drafts and Standard Forms have been prepared in Hindi and placed on the Website of the Ministry for convenience of officers/staff.
- » Hindi books are purchased in the Ministry and efforts are made to achieve the targets laid down by the Department of Official Language, Ministry of Home Affairs.
- » Addresses of Nodal Agencies have been prepared in Hindi.
- » All documents coming under section 3(3) of the Official Languages Act 1963, including Press Release, Tender Notices, Rules, General Orders, Notifications, Cabinet Notes, Parliament Questions and other Documents to be laid in the Parliament are presented bilingually.
- » Letters received in Hindi are invariably replied in Hindi and Rule 5 of the Official Language Rules, 1976 is fully complied with.

**13.4** During the year 2020-21, 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 31<sup>st</sup> December, 2020, the percentage of Hindi correspondence with offices in Regions designated as A, B and C was 75%, 70% and 67% (approx.) 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 and Divisions of the Ministry and IREDA, SECI, NIWE, NISE and NIBE. The Sections and Divisions and other Organizations were advised to achieve the targets specified by the Department of Official Language, Ministry of Home Affairs.

### **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 14<sup>th</sup> to 28<sup>th</sup> September, 2020. In view of the COVID 19 pandemic, online competitions were held, keeping in view the directions and Standard Operating Procedures (SOP) issued by the Central Government from time to time. There was a good participation by officers





and staff of the Ministry. Messages from Hon'ble Minister of Home Affairs and Hon'ble Minister (NRE) regarding progressive use of Hindi were read out. As many as 40 officers and staff members belonging to Hindi and non-Hindi speaking categories were given cash awards. Hindi Fortnight was also observed in various offices and undertakings of the Ministry and online competitions were held. Necessary instructions were issued to the offices and undertakings of the Ministry for effective and extensive promotion and propagation of Hindi.

**13.7** Hindi Noting and Drafting Incentive Scheme of the Department of Official Language was continued during the year and ten officers and staff were awarded under this Scheme.

**13.8** Re-constitution of Hindi Salahkar Samiti is under process.

**13.9 AKSHAY URJA PURASKAR YOJNA**

To promote original book writing in Hindi or translated in Hindi related to the subjects of Renewable Energy, Akshay Urja Puraskar Yojna (previously Prakritk Urja Puraskar Yojna) is being implemented in the Ministry. Under this scheme, there is a provision to award a First prize of ₹ 1,00,000 Second prize of ₹ 60,000 and Third prize of ₹ 40,000 for the books originally written in Hindi. For the books translated into Hindi, the amount of first, second and third prize is ₹ 50,000, ₹ 30,000 and ₹ 20,000 respectively. An appreciation letter signed by the Secretary, MNRE is also given to the awardees.

**13.10 ORGANIZATION OF HINDI WORKSHOPS**

With a view to encourage the officers and staff to do their official work in Hindi, Hindi workshop is organized quarterly for the officers and staff of different categories.

**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 and PSUs were carried out from time to time by the Dy Director (OL) and Assistant Director (OL) of the Ministry. Inspections of offices of IREDA, SECI and NISE were carried out during the year under report.





## **ANNEXURES**





**ANNEXURE - I****STAFF STRENGTH****MINISTRY OF NEW AND RENEWABLE ENERGY (ADMINISTRATION)****Table 1:** Group-wise Sanctioned and In-position Posts in **MNRE** as on 31.12.2020 are as follows:

Group	A	B	C	Total
Sanctioned	141	84	85	310
In Position	79	48	61	188
SC	11	10	19	40
ST	02	02	04	08
OBC	07	10	08	25
Physically Handicapped	-	01	01	02

**NATIONAL INSTITUTE OF WIND ENERGY (NIWE)****Table 2:** Group-wise Sanctioned and In-Position Posts in **NIWE** as on 31.12.2020 are as follows:

No. of Posts	Group **			Total
	A	B	C	
Sanctioned	18	13	17	48
In Position	17	12	17	46
SC	02	01	03	06
ST	01	-	-	01
OBC	03	02	02	07
PH	-	01*	-	-

\*\* 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

\* Deputation on Foreign Service terms.

**INDIAN RENEWABLE ENERGY DEVELOPMENT AGENCY (IREDA)****Table 3:** Group-wise Sanctioned and In-position Posts in **IREDA** as on 31.12.2020 are as follows:

Classification	Board Level	Group A	Group B	Group C	Group D	Total
In Position	02	136	01	21	-	160
SC	-	17	-	06	-	23
ST	-	08	-	01	-	09
OBC	-	23	-	03	-	26
PH	-	03	-	01	-	04
Total Sanctioned Strength (below Board level)						213





### SARDAR SWARAN SINGH - NATIONAL INSTITUTE OF BIO-ENERGY (SSS-NIBE)

**Table 4:** Group-wise Sanctioned and In-positioned Posts in **SSS-NIBE** as on 31.12.2020 are as follows:

Group	A	B	C	D	Total
Sanctioned	21*	01	04	0	26
In Position	03	01	04	-	08
SC	-	-	-	-	-
ST	-	-	-	-	-
OBC	-	-	-	-	-
PH	-	-	-	-	-

\* The recruitment of DG and 11 Scientists are under process.

### NATIONAL INSTITUTE OF SOLAR ENERGY (NISE)

**Table 5:** Group-wise Sanctioned and In-positioned Posts in **NISE**, as on 31.12.2020 are as follows:

Group	A	B	C	D	Total
Sanctioned	25	16	0	0	41
In Position	19	08	0	0	27
SC	01	01	0	0	02
ST	0	0	0	0	0
OBC	02	02	0	0	04
PH	01	0	0	0	01

Note: Recruitment is under process for the vacant post.

### SOLAR ENERGY CORPORATION OF INDIA (SECI)

**Table 6:** Group-wise Sanctioned and In-position Posts in **SECI** Staff on 31.12.2020 are as follows:

Group	A	B	C	D	Total
Sanctioned	122	37	0	0	159
In Position	90	07	0	0	97
SC	07	02	0	0	09
ST	03	0	0	0	03
OBC	15	02	0	0	17
PH	01	01	0	0	02

### PAY AND ACCOUNTS OFFICE, MINISTRY OF NEW AND RENEWABLE ENERGY

**Table 7:** Group-wise Sanctioned and In-position Posts in **Pay & Accounts Office, MNRE** on 31.12.2020 is as follows:

Group	A	B	C	D	Total
Sanctioned	3	4	9	0	16
In Position	3	3	7	-	13
SC	1	0	-	-	01
ST	-	-	1	-	01
OBC	-	-	2	-	02
Physically Handicapped	-	-	-	-	-





## ANNEXURE - II

## AUDIT PARA

Year	Report No.	Chapter No.	Para No.	Action	Subject	Stage
2018	2 of 2018	IX	9.1	Added Revised ATN	Non-Utilisation of Solar Thermal Power Plant	Revised ATN Uploaded

Year	Report No.	Chapter/ Para No.	Subject	Stage
2020	6 of 2020	XIII/13.1	<b>Karnataka Solar Power Development Corporation Limited</b> CENVAT credit on inputs/capital goods were not availed in time as per extant rules, Company had to bear an extra expenditure to the extent of ₹ 1.01 Crore and also lost an opportunity to avail CENVAT credit on bought out materials.	Action is being initiated
2020	6 of 2020	XIII/13.2	<b>Karnataka Solar Power Development Corporation Limited</b> TDS was not carried out from the payment of land lease charges to the land owners. It was borne by the Company on behalf of the land owners, which resulted in an irregular expenditure of ₹ 5.25 crore.	

## ANNEXURE - III

## GRANTS IN AID TO STATES AND VOLUNTARY ORGANISATIONS

Table 1 : Funds released to Implementing Agencies under HRD Programme in FY 2020-21 (as on 31.12.2020)

Sl. No.	Sanction Number	Agency Name	Sanction Date	Amount (₹)
1	342-11/2/2018-HRD	National Institute of Solar Energy, Gurugram	17.11.2020	20,03,653
2	342-11/5/2020-HRD		22.12.2020	59,81,004
3	10/1(26)/2015-P&C		29.12.2020	8,00,00,000

Table 2 : Grant given to State PIAs of more than ₹ 50 lakh in Green Energy Corridor from 01.01.2020 to 31.12.2020

Sl. No.	Sanction No.	Project/ Organization Name	State	Fund Released	
				Sanction Date	Amount (₹ in lakh)
1	367-1 1/26/2017-GEC	Himachal Pradesh State Electricity Board	Himachal Pradesh	20.02.2020	155.84
2	367-1 1/26/2017-GEC	Himachal Pradesh State Electricity Board	Himachal Pradesh	29.04.2020	2690.36
3	367-1 1/26/2017-GEC	Himachal Pradesh Power Transmission Corp. Ltd	Himachal Pradesh	29.04.2020	2164.00
4	1/7/2015-EFM	Transmission Corporation of Andhra Pradesh Ltd	Andhra Pradesh	29.04.2020	2352.70
<b>Total</b>					<b>7362.90</b>





**Table 3 : Cumulative CFA Released to SPPD/STU/CTU by SECI (₹ in lakh) as on 31.12.2020**

Sl.No.	State	Solar Park	Total CFA disbursed
1	Andaman & Nicobar	NTPC	0.00
2	Andhra Pradesh	Ananthapuramu-I Solar Park	13525.00
3		Kurnool Solar Park	12625.00
4		Kadapa Solar Park	5425.00
5		Ananthapuramu-II Solar Park	5124.80
6		Hybrid Solar Wind Park	25.00
7		Ext Trans PGCIL-AP	10955.54
8		Ext Trans APTRANCO-AP II	4000.00
9		Ext Trans APTRANCO-Kurnool	7400.00
10	Arunachal Pradesh	Lohit Solar Park	19.65
11	Assam	Solar Park in Assam	0.00
12	Chhattishgarh	Rajnandgaoun Solar Park	15.00
13	Gujarat	Radhnesada Solar Park	3311.35
14		Harsad Solar Park	0.00
15		Dholera Solar Park	0.00
16		Ext Trans PGCIL-Radhnesada	2800.00
17	Haryana	Solar Park in Haryana	0.00
18	Himachal Pradesh	Solar Park in Himachal Pradesh	0.00
19	Jammu & Kashmir	Solar Park in J&K	0.00
20	Karnataka	Pavagada Solar Park	18525.44
21		Ext Trans PGCIL-Pavagada	12000.00
22	Kerala	Kasargod Solar Park	873.94
23	Madhya Pradesh	Rewa Solar Park	7633.51
24		Neemuch-Mandsaur Solar Park	2548.50
25		Agar Solar Park	0.00
26		Shajapur Solar Park	0.00
27		Morena (Chambal) Solar Park	0.00
28		Ext Trans PGCIL-Rewa	6000.00
29	Maharashtra	Sai Guru Solar Park (Pragat)	435.00
30		Patoda Solar Park (Paramount)	25.00
31		Dondaicha Solar Park	625.00
32		Latur Solar Park	10.00
33		Washim solar park	15.00
34		Yavatmal Solar Park	10.00
35		Kacharala solar park	15.00
36	Manipur	Bukpi Solar Park	10.00
37	Meghalaya	Solar park in Meghalaya	3.07
38	Mizoram	Vankal Solar Park	10.00
39	Nagaland	Solar Park in Nagaland	10.00
40	Odisha	Solar Park in Odisha	0.00
41		Solar Park by NHPC	0.00





42	Rajasthan	Bhadla-II Solar Park	6120.00
43		Bhadla-III Solar Park	10921.15
44		Bhadla-IV Solar Park	6018.46
45		Phalodi-Pokaran Solar Park	1825.00
46		Fatehgarh Phase-1B Solar Park	25.00
47		Nokh Solar Park	3968.96
48		RVPN- Bh-II, Bh-III, Bh-IV	10747.10
49		PGCIL- Bh-II, Bh-III, Bh-IV, PP	6000.00
50	Tamil Nadu	Solar Park in Tamil Nadu	0.00
51	Tamil Nadu	Kadaladi Solar Park	25.00
52	Telangana	Gattu Solar Park	25.00
53	Uttar Pradesh	Solar Park in UP	2081.80
54		UP Kanpur Dehat Solar Park	0.00
55		UP Jalaun Solar Park	0.00
56		UP Kanpur Nagar Solar Park	0.00
57		Ext Trans UPPTCL	1719.15
58	Uttarakhand	Solar park in Uttarakhand	8.25
59	West Bengal	Solar park in West Bengal	25.00
<b>Total</b>			<b>163485.67</b>

Financial information provided is provisional and unaudited.

<b>Table 4 : Funds released under 2000 MW VGF Scheme to SECI from 01.01.2020 to 31.12.2020</b>				
<b>2000 MW Variable Gap Funding (VGF) Scheme</b>				
<b>Sl. No.</b>	<b>Sanction Number</b>	<b>Agency Name</b>	<b>Sanction Date</b>	<b>Amount (Rs.)</b>
1	F. No. 283/70/2017-Grid Solar	SECI	30.06.2020	51,00,00,000
2	F. No. 283/70/2017-Grid Solar	SECI	28.08.2020	30,69,93,027
3	F. No. 283/70/2017-Grid Solar	SECI	28.08.2020	18,45,53,638
4	F. No. 283/70/2017-Grid Solar	SECI	28.08.2020	7,48,60,774
5	F. No. 283/70/2017-Grid Solar	SECI	22.12.2020	19,76,49,288
6	F. No. 283/70/2017-Grid Solar	SECI	22.12.2020	2,10,03,653
7	F. No. 283/70/2017-Grid Solar	SECI	22.12.2020	3,64,73,010

**Table 5 : Funds released under Pilot-cum-Demonstration Project for Development of Grid-Connected Solar PV Power Plants on Canal Banks and Canal Tops In FY 2020-21 till 31.12.2020**

<b>Sl. No.</b>	<b>Sanction Number</b>	<b>Agency Name</b>	<b>Sanction Date</b>	<b>Amount Released (₹)</b>
1	283/7/2017-GRID SOLAR	Solar Energy Corp. of India Ltd (SECI)	31.08.2020	19,29,27,287

**Table 6 : Funds released under Scheme for Solarisation of Sun Temple, Modhera Town, Mehsana District, Gujarat in FY 2020-21 till 31.12.2020**

<b>Sl. No.</b>	<b>Sanction Number</b>	<b>Agency Name</b>	<b>Sanction Date</b>	<b>Amount Released (₹)</b>
1	32/4/2018-SPV Division	Gujarat Power Corp Ltd (GPCL)	29.09.2020	16,25,00,000





**Table 7 : Funds released under 'CPSU Scheme Phase-II' in FY 2020-21 till 31.12.2020**

Sl. No.	Sanction Number	Agency Name	Sanction Date	Amount Released (₹)
1	302/4/2017-GRID SOLAR	Solar Energy Corp. of India Ltd (SECI)	29.09.2020	115,00,00,000
2	302/4/2017-GRID SOLAR	Solar Energy Corp. of India Ltd (SECI)	20.10.2020	191,48,45,000
3	302/4/2017-GRID SOLAR	Solar Energy Corp. of India Ltd (SECI)	27.10.2020	019,79,60,000

**Table 8 : Funds released to Indian Renewable Energy Development Agency Ltd (IREDA) for Payment of Interest on Government of India Fully Serviced Bonds in FY 2020-21 till 31.12.2020**

Sl. No.	Sanction Number	Agency Name	Sanction Date	Amount Released (₹)
1.	No. 340-12/2/2018-IREDA	Indian Renewable Energy Development Agency Ltd (IREDA)	27.07.2020	62,61,32,617

**Table 9 : Solar Photovoltaic (Off-grid Solar Division) funds released above ₹ 50 Lakh up to 31.12.2020**

Sl No.	Sanction No.	Project/ Organisation	State	Funds Releases	
				Date	Amount (in ₹)
1	32/1/2020-SPV Division	Telangana New & Renewable Energy Development Corp.Ltd	Telangana	06-07-2020	1,70,00,000
2	32/15/2020-SPV Division	Manipur Renewable Energy Development Agency	Manipur	01-09-2020	66,00,000
3	32/16/2017-18/PVSE (Part-1)	MP Urja Vikas Ltd, Bhopal	Madhya Pradesh	06-07-2020	12,93,71,389
4	32/21/2019-SPV Division	Director General, ITBP Police Force	Various States	30-06-2020	3,14,55,430
5	32/25/2018-SPV Division	Uttar Pradesh New & Renewable Energy Development Agency	Uttar Pradesh	03-12-2020	17,00,00,000
6	32/59/2017-SPV Division	Uttarakhand Renewable Energy Development Agency	Uttarakhand	01-10-2020	1,01,52,261
7	32/60/2017-SPV Division	Uttarakhand Renewable Energy Development Agency	Uttarakhand	01-10-2020	55,16,072
8	32/60/2018-SPV Division	Andaman & Nicobar Administration (Electricity Department)	Andaman & Nicobar	29-05-2020	60,00,000
9	32/63/2017-SPV Division	Uttarakhand Renewable Energy Development Agency	Uttarakhand	01-10-2020	63,06,564
10	32/64/2018-SPV Division	Karnataka Renewable Energy Development Ltd	Karnataka	31-07-2020	4,79,32,695
11	32/11/2020-SPV Division	Haryana Renewable Energy Development Agency	Haryana	29-05-2020	1,05,47,508
12	32/12/2020-SPV Division	Department of Agriculture, Government of Uttar Pradesh	Uttar Pradesh	30-04-2020	76,70,797



13	32/11/2020-SPV Division	Haryana Renewable Energy Development Agency	Haryana	29-05-2020	25,31,40,192
14	32/12/2020-SPV Division	Department of Agriculture, Government of Uttar Pradesh	Uttar Pradesh	30-04-2020	14,57,45,144
15	32/13/2020-SPV Division	Jharkhand Renewable Energy Development Agency	Jharkhand	19-05-2020	12,03,55,920
16	32/14/2020-SPV Division	Department of Agriculture, Govt. of Himachal Pradesh	Himachal Pradesh	30-04-2020	2,79,87,960
17	32/17/2020-SPV Division	Orissa Renewable Energy Development Agency	Odisha	01-10-2020	76,56,503
18	32/19/2020-SPV Division	Gujarat Urja Vikas Nigam Ltd	Gujarat	31-07-2020	3,95,00,000
19	32/20/2020-SPV Division	Tripura Renewable Energy Development Agency	Tripura	31-08-2020	3,96,00,000
20	32/21/2020-SPV Division	Karnataka Renewable Energy Development Ltd	Karnataka	31-08-2020	1,26,00,000
21	32/22/2020-SPV Division	Punjab Energy Development Agency	Punjab	31-08-2020	8,28,00,000

**Table 10 : Private & Voluntary Organizations and State PIAs Receiving Grant of more than ₹ 50 Lakh During the year 2020-21 (up to 31.12.2020)**

<b>(A) State Project Implementing Agencies</b>							
Sl. No.	Sanction No.	Project/ Organisation	State / UT	Organization / Agency	Funds Released		Remarks
					Date	(Rs. in Lakh)	
1	5/10/2015-SHP	Preparation of 44 of DPRs by Kargil Renewable Energy Development Agency (KREDA)	UT of Ladakh	Kargil Renewable Energy Development Agency (KREDA)	20.04.2020	<b>55.95</b>	Release of balance amount of 2nd & final instalment of CFA
2	289/2/2017-SHP	Renovation and Modernization of Teirei SHP (3.00MW), Mamit district	Mizoram	Power and Electricity Department, Govt. of Mizoram	28.05.2020	<b>60.04559</b>	Release of 3rd instalment.
3	285/2/2017-SHP	Preparation of 56 DPRs by Department of Hydro Power Development (DHPD)	Arunachal Pradesh	Department of Hydro Power Development (DHPD)	02.07.2020	<b>165.89</b>	Release of 2nd & final instalment of CFA





4	285/17/2017-SHP	Preparation of 07 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	27.08.2020	<b>8.94937</b>	Release of 2nd & final instalment of CFA
5	285/9/2017-SHP	Preparation of 06 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	31.08.2020	<b>7.25858</b>	Release of 2nd & final instalment of CFA
6	285/10/2017-SHP	Preparation of 14 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	14.09.2020	<b>33.70096</b>	Release of 2nd & final instalment of CFA
7	285/8/2017-SHP	Preparation of 11 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	14.09.2020	<b>28.53821</b>	Release of 2nd & final instalment of CFA
8	290/23/2017-SHP	Preparation of 09 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	12.10.2020	<b>42.45</b>	Release of 2nd & final instalment of CFA
9	285/11/2017-SHP	Preparation of 17 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	12.10.2020	<b>67.60160</b>	Release of 2nd & final instalment of CFA





10	285/12/2017-SHP	Preparation of 14 DPRs by Uttarakhand Renewable Energy Development Agency(UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	19.10.2020	6.39632	Release of part of 2nd & final instalment of CFA
11	289/51/2017-SHP	Renovation and Modernization of Jummagad SHP (1.2MW), Chamoli district	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	07.12.2020	70.00	Release of 2nd & 3rd instalment of CFA
Total						547.78063	

**(B) Private Sector**

1	287/42/2017-SHP	Somasila SHP (8MW)	Andhra Pradesh	M/s Balaji Energy Pvt. Ltd.	29.05.2020	500.00	Release of full & final instalment of subsidy
2	287/20/2018-SHP	Gullu SHP (24.0 MW)	Chhattisgarh	M/s Chhattisgarh Hydro Power LLP	13.08.2020	250.00	Release of 2nd & final instalment of subsidy
3	287/239/2017-SHP	Goshikhurd SHP (24MW)	Maharashtra	M/s Mahati Hydro Power Vidarbha Pvt. Ltd.	13.08.2020	500.00	Release of full & final instalment of subsidy
4	287/62/2017-SHP	Kotagad SHP (3.5MW)	Himachal Pradesh	M/s Shiva Energy Resources Pvt. Ltd.	25.08.2020	200.00	Release of 2nd & final instalment of subsidy
5	287/4/2018-SHP	Somasila SHP (3.0MW)	Andhra Pradesh	M/s Balaji Energy Pvt. Ltd.	30.09.2020	300.00	Release of full & final instalment of subsidy
Total						1950.00	

**Table 11 : Funds 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 2020 - 21 (as on 31.12.2020)**

Sl. No.	Sanction Number	Agency Name	Release Date	Amount (₹)
1.	271/2/2019-CST	M/s Megawatt Solutions Pvt. Ltd.	24.07.2020	22,80,000
2.	271/5/2019-CST	M/s Megawatt Solutions Pvt. Ltd.	24.07.2020	36,00,000





**Table 12 : Agency-wise and Sanction-wise details of Expenditure made under Phase-II of the RTS Programme (as on 31.12.2020)**

Sl. No.	Agency details as per pfms	Sanction Number	Sanction Date	Amount in ₹
1	Dakshin Haryana Bijli Vitran Nigam	318/24/2020-Grid Connected Rooftop	31-08-2020	2,74,68,000
2	Executive Engineer, Electricity Operation Division No.2, U.T., Chandigarh	318/15/2020-Grid Connected Rooftop	23-06-2020	84,60,000
3	Kanpur Electricity Supply Company Ltd.	318/25/2020-Grid Connected Rooftop	11-11-2020	91,20,000
4	Madhya Pradesh Paschim Kshetra Vidyut Vitaran Co Ltd.	318/40/2020-Grid Connected Rooftop	14-12-2020	3,10,13,400
5	Madhya Pradesh Poorv Kshetra Vidyut Vitra Co Ltd	318/40/2020-Grid Connected Rooftop - Part(1)	29-12-2020	1,34,75,400
6	Madhyanchal Vidyut Vitran Nigam Ltd	318/25/2020-Grid Connected Rooftop	13-11-2020	4,33,20,000
7	Northern Power Distribution Co of Telengana Ltd	318/19/2020-Grid Connected Rooftop-Part(1)	31-12-2020	1,26,00,000
8	Northern Power Distribution Co of Telengana Ltd	318/19/2020-Grid Connected Rooftop-Part(1)	26-08-2020	46,80,000
9	Paschim Gujarat Vij Co Ltd	318/69/2019-Grid Connected Rooftop	21-04-2020	78,52,475
10	Punjab State Power Corp Ltd	318/19/2020-Grid Connected Rooftop	24-07-2020	3,33,00,000
11	Purvanchal Vidyut Vitaran Nigam Ltd	318/25/2020-Grid Connected Rooftop	23-11-2020	2,28,00,000
12	South Bihar Power Distribution Co Ltd	318/32/2020-Grid Connected Rooftop	15-10-2020	89,47,800
13	Southern Power Distribution Co of Telengana Ltd	318/19/2020-Grid Connected Rooftop-Part(1)	31-12-2020	5,04,00,000
14	Southern Power Distribution Co of Telengana Ltd	318/19/2020-Grid Connected Rooftop-Part(1)	26-08-2020	3,36,33,600
15	Uttar Haryana Bijli Vitran Nigam	318/24/2020-Grid Connected Rooftop	31-08-2020	1,37,34,000
16	Uttarakhand Power Corp. Ltd	318/26/2020-Grid Connected Rooftop	31-08-2020	3,52,08,000



**Table 13 : Agency-wise and Sanction-wise details of Expenditure made under Phase I of the Rooftop Solar Programme (as on 31.12.2020)**

Sl. No.	Agency details as per PFMS	Sanction Number	Sanction Date	Amount ( ₹ )
1	Central Electronics Ltd	318/15/2017-Grid Connected Rooftop-Part(I)	30-06-2020	2,87,33,121
2	Central Electronics Ltd	318/53/2018-Grid Connected Rooftop-Part(5)	12-10-2020	3,56,69,415
3	Central Electronics Ltd	318/15/2017-Grid Connected Rooftop-Part(I)	08-04-2020	1,73,76,482
4	Delhi Metro Rail Corp.	318/51/2018-Grid Connected Rooftop	30-04-2020	6,20,82,153
5	Gujarat Industries Power Co. Ltd	318/50/2019-Grid Connected Rooftop	31-07-2020	3,08,517
6	Indian SME Technology Services Ltd	318/20/2018-Grid Connected Rooftop-Part(3)	27-10-2020	2,63,29,108
7	I Indian SME Technology Services Ltd	318/15/2017-Grid Connected Rooftop-Part(4)	31-12-2020	15,22,37,470
8	Indraprastha Power Generation Co. Ltd	318/20/2018-Grid Connected Rooftop-Part(7)	02-11-2020	6,32,10,007
9	Indraprastha Power Generation Co. Ltd	318/68/2019-GCRT	10-04-2020	14,74,27,824
10	Jammu & Kashmir Energy Development Agency	318/53/2018-Grid Connected Rooftop-Part(2)	09-04-2020	4,89,12,192
11	Maharashtra Energy Development Agency	318/35/2017-Grid Connected Rooftop	24-12-2020	18,08,17,330
12	Maharashtra Energy Development Agency	318/20/2018-Grid Connected Rooftop	29-12-2020	36,97,95,573
13	Manipur Renewable Energy Development Agency	318/19/2019-Grid Connected Rooftop	23-07-2020	4,03,18,600
14	New & Renewable Energy Development Corp. of Andhra Pradesh Ltd.	318/61/2019-Grid Connected Rooftop	30-04-2020	19,88,80,251
15	New & Renewable Energy Development Corp. of Andhra Pradesh Ltd.	318/20/2018-Grid Connected Rooftop-Part(5)	20-04-2020	7,92,17,861
16	Noida Metro Rail Corp. Ltd	318/14/2020-Grid Connected Rooftop	28-05-2020	8,74,49,999
17	Northern Railways	318/61/2018-Grid Connected Rooftop	21-04-2020	3,68,37,000
18	Punjab Energy Development Agency	318/22/2018-GCRT	22-06-2020	3,54,07,320
19	Rajasthan Electronics & Instruments Ltd	318/75/2019-Grid Connected Rooftop	02-06-2020	2,89,30,845
20	Rajasthan Electronics & Instruments Ltd	318/22/2019-Grid Connected Rooftop	11-08-2020	7,01,55,169



21	Rajasthan Electronics & Instruments Ltd	318/75/2019-Grid Connected Rooftop	28-08-2020	2,91,29,303
22	Rajasthan Renewable Energy Corporation Ltd	318/338/2017-Grid Connected Rooftop	09-04-2020	11,59,66,395
23	Solar Energy Corp. of India Ltd	318/234/2017-Grid Connected Rooftop	31-08-2020	8,88,90,564
24	Solar Energy Corp. of India Ltd	318/234/2017-GCRT	29-10-2020	22,54,34,089
25	Solar Energy Corp. of India Ltd	318/234/2017-GCRT	16-04-2020	21,54,87,730
26	Tamil Nadu Energy Development Agency	318/212/2017-Grid Connected Rooftop	29-12-2020	4,41,39,692
27	Telangana New & Renewable Energy Development Corp. Ltd	318/77/2018-Grid Connected Rooftop	26-08-2020	5,88,15,614
28	Telangana New & Renewable Energy Development Corp. Ltd	318/53/2018-Grid Connected Rooftop-Part(4)	31-07-2020	4,64,83,125
29	Uttar Pradesh New and Renewable Energy Development Agency	318/89/2018-Grid Connected Rooftop	23-12-2020	7,15,36,340
30	Uttarakhand Renewable Energy Development Agency	318/30/2017-Grid Connected Rooftop	31-12-2020	1,03,09,659

**Table 14 : Funds release to Implementing Agencies under New National Biogas Organic Manure Programme (NNBOMP) & Biogas Power (Off-grid) Generation and Thermal Programme (BPGTP) for the FY 2020-21 as on 07.01.2021**

Sl. No.	Executing Agency	Amount (₹) released by MNRE upto 7.1.2021
1.	State Nodal Officer FDA-cum-Addl. Principal Chief Conservator of Forests, Social Forestry, Assam, Guwahati	2,90,00,000
2.	Directorate of Agriculture, State Govt. of Goa	5,70,350
3.	Madhya Pradesh State Agro Industries Development Corp. Ltd (MPSAIDC), Bhopal	4,80,76,015
4.	Meghalaya Non-conventional & Rural Energy Development Agency (MNREDA), Shillong	10,00,000
5.	Rural Development Department, Govt. of Maharashtra, Mumbai	2,10,00,000
6.	Directorate of Rural Development, Govt. of Andaman & Nicobar Island (Union Territory)	6,00,000
7.	National Dairy Development Board, Anand (Gujarat)	1,20,00,000
8.	New & Renewable Energy Development Corp. of Andhra Pradesh, Tadepalli, Guntur District, Andhra Pradesh	5,50,47,862
9.	Odisha Renewable Energy Development Agency, Bhubaneswar, Odisha	9,72,000



10.	Punjab Energy Development Agency (PEDA), Chandigarh	2,86,36,737
11.	Rural Development Department, Pauri, Govt. of Uttarakhand	30,00,000
12.	Rural Development and Panchayat Raj Department, Govt. of Karnataka, Bangalore, Karnataka	4,20,00,000
13.	Directorate of Agricultural, Development and Farmers Welfare, Thiruvananthapuram, Kerala	48,00,000
14.	Khadi a Village Industries Commission (KVIC), Mumbai	30,00,000
15.	Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA), Lucknow	35,37,200
16.	BDTC, UAS, Bengaluru	44,94,636
17.	BDTC, TNAU, Coimbatore	36,22,386
18.	GEDA, Gandhinagar, Gujarat	17,00,000
19.	BDTC, IIT Guwahati	21,27,724
20.	BDTC, KIIT, Bhubaneswar	26,12,724
21.	BDTC, CESR, Indore	23,50,224
22.	BDTC, MPUAT, Udupur	22,23,312
<b>Total</b>		<b>27,23,71,170</b>

**Table 15 : Private and Voluntary Organizations received Grant of more than Rs. 10 Lakhs under Research and Development Programme During 2020-21 (as on 31.12.2020)**

S. No.	Sanction Number	Project Organizations name	State	Fund Released	
				Date	Amount (in ₹)
1	31/8/2019-Solar R&D	Uttaranchal University, Dehradun	Uttarakhand	29.04.2020	30,00,000

**Table 16 : Academic Institutions received Grant of Rs.10 Lakh or more under Hydrogen and Fuel Cell Programme during the year 2020-21 (as on 20.01.2021)**

S.No.	Name	Fund Released (₹)
1	Yogi Vemana University (YVU), Kadapa & Central Electro-Chemical Research Institute (CECRI), Karaikudi	10,00,000
2	Dayalbagh Educational Institute	2,00,00,000
3	Indian Institute of Science, Bengaluru	80,00,000





## NOTES

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Sharad



**Ministry of New and Renewable Energy**  
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