

No. 342-16/10/2025-26-HRD

Government of India / भारत सरकार

Ministry of New & Renewable Energy / नवीन एवं नवीकरणीय ऊर्जा मंत्रालय

Human Resource Development (HRD) Division / मानव संसाधन विकास प्रभाग

Atal Akshaya Urja Bhawan
Lodhi road, New Delhi -110003

Dated: 11th August, 2026

To,

The Pay & Accounts Officer
Ministry of New & Renewable Energy
New Delhi- 110003

Subject: Administrative Approval for continuation of the Human Resource Development Programme in New and Renewable Energy for the period of FY 2026-27 to 2030-31.

Sir,

I am directed to convey sanction of the President for the continuation of the Human Resource Development Programme of the Ministry with total financial outlay of Rs.258.83 crore for the period of FY 2026-27 to 2030-31.

2. The total financial outlay of the scheme is Rs. 258.83 crore including Rs.58.83 crore committed liabilities of previous HRD Scheme.
3. The administrative approval including operational guidelines for implementation of Human Resource Development (HRD) programme for the period FY 2026-27 to FY 2030-31 is enclosed.
4. This issues in exercise of the powers conferred on this Ministry and with the concurrence of IFD Division vide Diary No. 221 dated 04.08.2026.
5. This has the approval of the Hon'ble Minister of New and Renewable Energy.

Enclosure: as above.


(Dr. Vasanta V. Thakur)
Scientist 'E'
Email: hrd.mnre@gov.in

Copy for information to:

- i. PS to Hon'ble Minister (NRE)
- ii. PS to Hon'ble MoS (NRE)
- iii. PPS to Secretary, MNRE
- iv. PA to Additional Secretary, MNRE
- v. PPS to JS&FA

- vi. PPS to JS/Advisers/Group Heads, MNRE
- vii. Director, IFD
- viii. Director, (PFC-1), Ministry of Finance, Department of Expenditure, Kartvya Bhawan, New Delhi
- ix. Director (NIC) for uploading on Ministry's Website
- x. Section Record.


(Dr. Vasanta V. Thakur)
Scientist 'E'
Email: hrd.mnre@gov.in

No. 342-16/10/2025-26-HRD
Government of India
Ministry of New and Renewable Energy
(Human Resources Development Division)

Atal Akshaya Urja Bhawan
Lodhi Road, New Delhi -110003

Dated: 11th August, 2026

To
The Pay and Accounts Officer,
Ministry of New and Renewable Energy
New Delhi-110003.

Subject: Administrative Approval for continuation of the Human Resource Development Programme in New and Renewable Energy for the period of FY 2026-27 to 2030-31.

Sir,

I am directed to convey sanction of the President for the continuation of the Human Resource Development Programme of the Ministry with total financial outlay of Rs. 200 crore for the period of FY 2026-27 to 2030-31. The details of the scheme are given as follows:

Objective:- The objective of the Ministry's Human Resource Development programme is to institutionalize the renewable energy education and training to meet the requirement of qualified and trained manpower in the country.

2.0 Components of the Scheme:

- 2.1 Short term trainings and skill development in renewable energy
- 2.2 Scholarships/Fellowships/Internships for higher studies and research in renewable energy
- 2.3 Enhancement of Renewable Energy education and training infrastructure
- 2.4 Renewable Energy Chair
- 2.5 Creation of a iGoT type learning environment – Virtual Learning Environment & Teaching Aids
- 2.6 An enabling digital platform for connecting trained and certified manpower with potential employers

2.1 Short term Trainings and skill development in renewable energy

2.1.1 Training of manpower for system design, installation, operation, maintenance and repair of renewable energy systems:

Skilled/trained manpower are required for proper installation, operation and maintenance of RE projects. Ministry intends to impart training to manpower on system design, installation, operation, maintenance and repair of renewable energy systems by providing support for approximately 7 lakh man-days of training/12500 no. trained manpower.

I. Skill Development Programmes in renewable Energy

The skill development programmes such as **Suryamitra, Vayumitra, Varunmitra, Jal Urja Mitra, Jaiv Urjamitra will be continued** to create a work force to meet the demand of various RE sectors. These programmes will be implemented on pan India basis with focus on specific RE potential areas / installed solar projects. The brief details of the programmes are as under:

i. Skilling, Up-skilling and Re-skilling:

a. Up-skilling and re-skilling along with Recognition of Prior Learning (RPL) (online & offline): The up-skilling category of the trainings will be with duration ranging from 30-132 hours/ as per MSDE norms/as per industry requirement. Candidates with prior learning experience or skills will be certified with due assessment. This shall enable youth to obtain industry relevant skill certification. Emphasis will be given on upskilling and interested candidates will have to undergo coursework for certification at a higher level based on assessment. All the up-skilling programs shall be conducted in classroom mode at empanelled Training Centers with adequate on-the-job training/apprenticeship. Special focus may be given to Industry operated Training institutes as well as institutes that have formal collaborations with the industry.

b. Short term Trainings (STT): The STT skill courses shall be National Skills Qualification Framework (NSQF) aligned modular courses of 200-600 hours duration. Training will be delivered through accredited and affiliated training centres. On-the-job training (OJT) will be as per the approved Qualification Packs (QPs) /course materials and may be delivered at the affiliated Training Centre or industry premises.

C. Others: Based on assessed requirement, both the duration and the content of the courses may be changed over a period of time.

- ii. **Implementation framework:** These training programmes will be conducted as per MSDE guidelines. In case of any deviation in MSDE guidelines in view of non-availability of qualification packs and programmes with additional/new elements like training of trainers, master trainers, assessors etc. which have not been covered in MSDE funding norms will be considered for support with the approval of Secretary, MNRE.
- iii. **Implementing Institutes:** The skill development programmes in Solar energy, Wind energy and Bio-energy will be implemented through MNRE institutions, National Institute of Solar Energy (NISE), Gurugram National Institute of Wind Energy (NIWE), Chennai and National Institute of Renewable energy (NIRE), Kapurthala, Punjab respectively. In the area of Small Hydro Power, skill development programmes will be implemented through Department of Hydro and Renewable Energy (HRED), (Formerly Alternate Hydro Energy Centre), Indian Institute of Technology (IIT) Roorkee/any other potential reputed institutes/Industry /industry association training centres. The list may be modified based on performance and requirement.
- iv. **Training centres/Institutes:** The training centres / institutes selected by the implementing agencies on the basis of infrastructure, faculty strength and past training experience in solar and other renewable energy technologies.
- v. **Duration of the programme:** The duration of programme is up to three months i.e 600 hours including classroom training, lab practical, SPV/RE plant exposure, on the job training, soft skills and entrepreneurship skills etc. Programs may be delivered via residential or non-residential tracks, utilizing physical, online, or blended instructional methodologies. The duration may change as per requirement /need of the industry.
- vi. **Target participants:** As per QPs/as per industry requirement.
- vii. **Funding Pattern:** Funding for trainings would be as per Ministry of Skill and Entrepreneur Development (MSDE) and the periodical changes will be in accordance with MSDE revision of the norms. The current funding norms of MSDE are given at *Annexure-I*.
- viii. **Assessment and certification:** By Skill Council of Green Jobs (SCGJ) / any other MSDE approved institutions.

II. Skill Development in other RE technologies/ manufacturing:

Skill development activities in new and renewable energy will be expanded to create skilled workforce in all RE areas including RE Manufacturing, Battery Energy Storage System (BESS), RE Transmission Systems, as per the requirement of manpower in the sector. The trainings will be implemented through NISE/NIWE/NIRE /IIT Roorkee/ industry associations/industries/ any other agency aligned with MSDE skilling ecosystem, through MSDE empanelled training centres / institutes selected by

these institutes on the basis of infrastructure, faculty strength and past training experience in the concerned areas. The target under this programme shall constitute a part of the overall target of 7 lakh man-days of training / 12,500 trained manpower envisaged under the Short-Term Training component as mentioned at **2.1.1**. The enrolment of trainees shall be undertaken based on the emerging requirements of the industry/sector.

III. Supervisory Training

Ministry will support the training programmes to train candidates at supervisory/managerial level implemented by educational institutions / training institutions / leading industries, reputed NGOs etc. having necessary infrastructure and expertise to undertake training activities in resource assessment, technology, performance, Detailed Project Report (DPR) preparation, project appraisal etc. in different areas of RE technologies for graduate professionals, management graduates, engineers, post graduates, working professionals etc. The participants would include officers of SNAs, project developers, implementers etc. engaged in RE sector. These training programmes would be supported partially or fully in the form of short-term trainings/ workshops. A strong institutional network will be supported through different organisations such as IITs, reputed engineering colleges, MNRE institutions (NISE, NIWE and NIRE), skill development centres, ITIs. Trainings with innovative approach and dealing with new areas related to renewable energy, women oriented programmes, specific to some subject areas leading to livelihood, training in specific regions like rural areas and NER and the area where National Skill Qualification Framework (NSQF) qualification packs are not available would be supported with the approval of Secretary, MNRE.

The target under this programme shall constitute a part of the overall target of 7 lakh man-days of training / 12,500 trained manpower envisaged under the Short-Term Training component as mentioned at **2.1.1**. The enrolment of trainees shall be undertaken based on the emerging requirements of the industry/sector.

The proposals for trainings will be invited through open advertisement/direct submission mode. The institutes/organisations to impart short term training courses will be selected based on their preparedness for conducting such courses, course material, lab facility for practical training, qualified faculty, selection process of trainees etc. This also be done by open advertisement on annual basis/submitted directly to ministry and the constituted committee will look after this aspect.

The funding norms for these programmes are given at para 5.0. Funds will be released to implementing organization in 3 instalments (i.) 50% as advance along with sanction letter (ii.) 40% funds on submission of UC / SoE (iii.) balance 10% on submission of completion report and final UC/SoE. The guidelines and the proforma for submission of training proposals are given in *Annexure–II*.

2.1.2 Hyper localized jobs- Skilling, Upskilling and reskilling in 100 identified RE districts

This component identifies specific regional RE clusters to ensure trainees have immediate employment opportunities. The trainings will be implemented for targeted skilling, upskilling, and reskilling to train support approximately 7 lakh man-days of training/12500 no. trained manpower in 100 identified districts/ RE districts with high RE installations/potential selected by Expert Committee through RPL (Recognition of prior learning /STT/specialised trainings as per local industry requirement to boost hyper localised jobs. The trainings will be implemented online/offline and blended approach in residential/non-residential mode to meet local project needs as per the implementation framework detailed in 2.1.1 and at *Annexure I*.

2.1.3 Training of MNRE/SNAs and other Officials

To meet out the enhancement of capacity building of the officials of activities of government working Ministry will support training and Higher studies in renewable energy for all officers from Scientist C level/ Under Secretaries to Scientist G/Joint Secretary level in MNRE and its Institutions, officers of SNAs and State Energy Department/DISCOM, officers from other concerned Ministries/Departments/ Institutions involved in policy making /guidelines for implementation of Renewable Energy projects including officers from regulatory institutions to provide exposure to the latest development in technology, implementation, monitoring, human resource and financial appraisal of RE projects etc. The training programmes will be supported both in domestic and international institutions. Short term training will be one / two weeks to one month duration while long term training could be in terms of sponsorship to higher studies in India or Overseas for M. Tech / MS/M.BA in RE. Provisions will be made for special grants in the scheme for strengthening in house capabilities.

2.1.4 Development of Course material including pedagogy through expert(s) expert institution(s)

Ministry will engage the services of experts /expert institutions/industries/industry associations in developing the qualification packs/ course modules/ syllabus/study materials/audio-visual course content from time-to time both for short term and regular certificate / degree and training courses related to renewable energy. The financial assistance for developing training course/modules would be provided as per GFR norms. Industry involvement will be encouraged and partnerships will be actively sought under the scheme.

2.2 Fellowships for higher studies & research in New and Renewable Energy

The details of National Renewable Energy Fellowships are as under;

2.2.1 National Renewable Energy Fellowship scheme:

Financial support through Fellowships will be provided by the Ministry for pursuing higher studies in renewable energy viz. M. Tech, Ph.D, RA in renewable Energy technologies. Research Associates/ Post-Doctoral Fellows in Academic/research institutions, MNRE institutions and other key institutions to pursue advanced research. Ministry would be guided by the norms of CSIR/DST/UGC for eligibility of the candidates for JRF/SRF/RA/PD and AICTE guidelines for M.Tech. Fellowship programs are directly aligned to the overall requirement of renewable energy, research thrust areas identified by MNRE, identification of technology readiness levels and focus on commercialization. The technology areas will not be of generic nature but should involve frontier edge research in technology development with focused approach. A NREF committee comprising of very senior academicians will be constituted to review the progress of the programs.

The NREF scheme is classified as Merit based scholarship /fellowship (as per Cabinet secretariat OM No. D-12011/01/2025-DBT dated 12.11.2025).

Ministry will provide 165 no. new fellowships/scholarships in the field of renewable energy every year in addition to existing fellowships awarded since 2021-22 to 2025-26 (which will continue till completion of tenure). Periodic review and monitoring of the fellowships will be done by MNRE. The total number of fellowships to be supported during the period is given in table below:

Table no. 1: Details of Fellowships

Course	Duration of Fellowship / scholarship	Intake every year	For Five years
M.Tech@	2 year	15	75
JRF \$	2 year+ 3year SRF	16	80
RA/PDF ^^	3 year	2	10
Total		33	165

* Liability for fellowships sanctioned during 2027-28 onwards will spill over beyond the scheme period as per their fellowship duration.

@ The fellowship provided/sanctioned for M.Tech (2 yr course) during a given year will comprise the number sanctioned during that year plus the continued from previous year. For eg., M. Tech (2 yrs course), if fellowship in the year 2027-28 is sanctioned x no and from previous year 2026-27 y no. has continued, so total fellowship during 2027-28 would be X+Y. The fellowship duration of course for a student should not exceed 2 yrs.

\$ JRF will lead to PhD degree (2 yrs JRF+ 3 yrs SRF) not exceeding 5 yrs. Therefore, fellowship would be provided to a student, who enters at JRF level and completes the course up to PhD i.e maximum 5 yrs (2 yrs for JRF +3 yrs for SRF)

^^ RA/PDF is post-doctoral 3 yr research.

**The principle of providing fellowships would be same in each category i.e as mentioned @.

***The number of fellowships in each of the category above are interchangeable which will depend on no. of applications received quality of research work proposed demand from the Industry etc.

I. Selection criteria of the Institutes under NREF

The institutes/universities for NREF programme will be selected as per the procedure given below:

- i. Under fellowship programme, JRF/SRF/RA/PDF will be open for Universities, Technical Institutions, National Laboratories having facilities for research in the identified thrust areas of RE, institutes having M.Tech./ M.S/ Integrated M.Tech courses in energy studies/ renewable energy with specialization in any branch of renewable energy. Ministry will publish advertisement on annual basis inviting applications from the interested universities/institutes for fellowships for higher education and research in renewable energy identified thrust areas.
- ii. Institutes / universities engaged in renewable energy education and research may apply for allocation of fellowship slots against advertisement to the Ministry. The institutes will be selected by a committee chaired by eminent scientist/professor, two experts of the rank of professors from reputed academic institutions, DG, NISE, NIWE and NIRE, Group Head, HRD as members. Scientist-in-charge, HRD will act as convener.
- iii. Only those institutes will be considered for allocation of fellowship slots which are in Top 100 institutes under National Institutional Ranking Framework (NIRF), faculty for required expertise in relevant areas of RE and infrastructure facilities available at such institutes for RE education and research in RE etc. Ministry will sanction the fellowship slots to Institutes selected by the committee as per the availability of the fellowship slots. NIRF Relaxation will be given to Institutes having new RE post graduate/Ph.D programmes to the tune of up to 20% of total number of new fellowships.

II. Selection criteria of candidates for Fellowships under NREF

The students/candidates for NREF programme will be selected as per the procedure given below:

- i. The selected institutes will forward the details of NREF fellows selected by their Research /administrative committees in accordance with the eligibility criteria and as per AICTE/CSIR/MHRD/DST norms. These Institutions will select the students for M.Tech /Ph.D Courses through GATE Score or CSIR Score or CSIR-JRF/AICTE/NET Score qualified for JRF Only. The students without these qualifications will not be eligible for these fellowships. These Fellowships will exclusively be awarded for Courses on Renewable Energy related subjects only.
- ii. The Institutes selected for the fellowship slots will forward the details of the students every year against the sanctioned no. of fellowships to that Institute.

Ministry will award the fellowships based on their eligibility by names of the students/candidates.

- iii. These fellowships will come into effect from the Date of Joining of the candidates. The Institute/University will keep the Ministry apprised about their selection process.
- iv. Fellowships will be disbursed on monthly basis through beneficiary Bank Accounts. Monthly disbursement of fellowship will be done by ministry through DBT mode on receipt of continuation/ attendance from the host institutions.

III. Industry Exposure under NREF

To enhance the operational readiness of NREF fellows by bridging the gap between academic research and commercial industrial workflows, ensuring researchers gain direct field exposure to utility-scale renewable energy installations and advanced corporate R&D divisions.

- i. Eligible National Renewable Energy Fellows (NREF) may be provided with an industry exposure placement for a duration between 4 to 12 months. This exposure shall be facilitated through established academia-industry consortia.
- ii. Depending on the policy of the partnering industry entity, the industry exposure period may be supported with or without an industry stipend. Where an industry stipend is provided, the NREF may avail either the fellowship or the industry stipend for the duration of the exposure period in the industry.

Funding pattern for fellowships under NREF

The funding pattern for fellowship for JRF/SRF/RA/PDF will be as per DST/MHRD/CSIR guidelines. For M.Tech, guidelines of AICTE would be followed. These fellowship rates would automatically get revised as and when the CSIR/AICTE/DST revises the rates. The present fellowship rates are as follows:

Table no. 2: Financial norms of Fellowships

Category	Fellowship (Rs/month)	HRA	Contingency (Rs/annum)	Duration
JRF	Rs. 37,000/-	As per central govt. fellowship norms -do-	Rs. 20000/-	2 years
PDF/RA	I - Rs. 58,000/- II - Rs. 61,000/- III - Rs. 67,000/-		-do-	3 years
M.Tech	Rs. 12,400/-	-	-	20-24 months (as per institutes norm)

2.2.2 National Renewable Energy Internship scheme (NREI) :

- i. In order to facilitate students of engineering, Science, Management, law and other RE relevant streams to undertake internship in the Ministry and in organizations under its aegis, PSUs/other organisations and institutes engaged in renewable energy sector /RE industry associations/industries, to understand the various activities of the Ministry and renewable energy sector, internship facilities will be provided.
- ii. The duration of internship will be preferably 2-6 months. A stipend amount of Rs.20,000/- per month will be provided for physical internships only.
- iii. The selected interns will be attached with the senior level officers of the Ministry, its Institutions/any other organisations engaged in RE and related applications/RE industries.
- iv. **Industry Exposure:** Industry exposure for some duration shall be provided for desirable candidates with or without stipend provided by the industry. However, the candidate shall not receive both the fellowship and the industry stipend simultaneously and will be eligible for only one source of financial support during this period over.
- v. Internship will be provided to 250 no. students/persons, @ 50 students per year.
- vi. The guidelines of Internship programme are given in *Annexure - III*.

2.3 Enhancement /Establishment of Renewable Energy Infrastructure Facilities -

2.3.1 Support to institutions for Laboratory upgradation for RE education

- i. In order to encourage the institutions to include education/training renewable energy courses, the support for laboratory up-gradation will be provided to enhance their capacity to provide regular hands-on practical experience for conducting M.S/M.Tech., Ph.D courses in NRE.
- ii. **Support:** A total of ten (10) R&D/academic institutions will be strengthened by providing financial support by way of grant of upto Rs. 1 cr. (One Crore) to each institute to upgrade the teaching facilities by lab upgradation.
- iii. **Eligibility:** Only those institutes will be considered for providing one time grant for laboratory upgradation which have a M.S/M.Tech course for renewable energy or having courses with at least 40% contents pertaining to Renewable Energy and related applications, availability of faculty with required expertise in

relevant areas of RE and infrastructure facilities for imparting education and research in RE.

- iv. The provision of support for upgradation of facilities is aimed to enable the institutions to give regular hands-on experience by practicals to the students.
- v. This provision is however not for undertaking any new construction, but can be utilized for modifying lab for installations of any new equipment/teaching aid for imparting RE education.
- vi. Ministry will invite proposals preferably through open advertisement method once in a year, wherein Universities/Institutions will submit their application in prescribed proforma elaborating their capability and willingness to undertake Renewable Energy courses at M.Tech levels, requirement of fellowships M.Tech/JRF/SRF /RA/PDF for pursuing education and research in Renewable Energy areas.
- vii. **Priority and Eligibility Cycle:** Priority shall be accorded to institutions applying for the first time under this component. Institutions that have previously received financial assistance under this scheme shall only be considered eligible after a mandatory cooling-off period of at least three (3) years, post the successful closure calculated from the official date of project completion/submission of final UC/SoE for the released funds.
- viii. **Selection:** The selection of the institutes will be made through a committee chaired by eminent scientist/professor, two experts of the rank of professors from reputed academic institutions, DG, NISE & NIWE, Group Head, HRD as members. Scientist-in-charge, HRD will act as convener. The criteria for selection of the institutes and other guidelines are given at *Annexure – IV*.

2.3.2 Development of 50 training institutes as RE institutes – Upgradation of Infrastructure

- i. The Ministry aims to strengthen the vocational ecosystem to provide regular hands-on practical experience by upgrading the infrastructure in the reputed training institutes i.e ITIs/Polytechnics/Eng. Colleges/ Industry training Institutes / other training institutes/ higher educational/R&D institutions, for RE trainings/skilling preferably focussing on RE concentrated districts/clusters with high RE installations/potential.
- ii. Selection will be based on prioritising institutes located in proximity to existing or prospective RE project/cluster locations, such as solar installations, wind stations, bio-energy projects and small hydro projects.

- iii. The grant is strictly for upgrading teaching and practical facilities and is not for undertaking new civil construction.
 - Equipment Procurement: Specialized procurement of tools, models, panels, and machinery for technologies including Solar PV, Solar Thermal, Wind, Biomass, Biofuel, and Hydrogen.
 - Lab Re-modeling: Modification or refurbishing of existing laboratory layouts to facilitate the installation and commissioning of advanced RE systems and teaching aids.
 - Digital Infrastructure: Establishment of Pilot Model Classrooms with digital aids, linking to Virtual Learning Environments (VLE) and the Skill India Digital Hub (SIDH).
 - Detailed guidelines are at *Annexure - V*.

2.3.3 Pilot Model class rooms with digital aids in RE institutes of 10 RE states

Objective : The primary objective is to establish digitally enabled classrooms to serve as a replicable national model across the Top 10 RE-performing states.

Eligibility Criteria: The scheme shall be open to the categories of educational and technical training institutions i.e. National and State-level Renewable Energy Training Institutes, Recognized Engineering Colleges, Specialised Industrial Training Institutes (ITIs) and Polytechnics offering dedicated RE training courses.

Participating institutions shall meet the following baselines:

- **Student Footprint:** Maintain a consistent intake of 60 to 90 students annually in last 4-5 years across active RE training modules.
- **Capacity Building:** Mandate faculty training in modern digital pedagogy and simulation-heavy software operations.

Financial Support : A one-time financial grant of **Rs. 20 lakh per classroom** shall be sanctioned to eligible host institutions. This may be done in trenches.

Infrastructure Specification: To ensure standardization , each model classroom would be outfitted with the core infrastructure components/computer systems/digital systems/which facilitates digital learning for indicatively upto 15 students at a time, Automated lecture capture systems/smart boards/Advanced simulation tools(e.g.PV system for solar design)/Custom software applications aligned with localized RE industry requirements/an educational/training license SCADA(Supervisory Control and Data Acquisition) system/High-lumen laser projector any other digital system enables digital learning for trainees.

Table no. 3: Fund Disbursement Mechanism

Tranche	Percentage	Release Milestone
Tranche I (Advance)	50%	Released as mobilization advance upon initial institutional approval.

Tranche II (Mid-term)	40%	Released upon submission of utilization certificates verifying 75% consumption of the initial advance.
Tranche III (Final)	10%	Released upon validation of key performance indicators (KPIs) and final project report submission.

Implementation Timeline

Duration: The entire project implementation framework spans a strict 24-month horizon. Host institutions must progress transparently from the initial procurement phase to the eventual operationalization of full pilot classroom workflows within this timeframe.

Detailed Guidelines are at *Annexure-VI*.

2.4 Renewable Energy Chair

- i. The renewable energy chairs has been conceived with a view to create technical Focal Points for renewable energy education/technology development in the institutions of national repute and eminence.
- ii. To facilitate long term sustenance of the chairs, a total grant of Rs. 2 crore will be provided i.e (i) One time support for establishment of chair – Rs. 1.50 crore as seed money (ii) Support based on performance/outcome of RE chair – Rs.50 lakh in 5 years (Rs.10 lakh after submitting the details of the RE chair candidate selected by the Institute to MNRE and Rs.10 lakh each year for next 4 years on receipt of annual RE promotional activity report including the Statement of Expenditure (SoE).
- iii. The one-time grant will facilitate these institutions to meet the requirement of annual remuneration and contingent requirement for NRE chairs.
- iv. The chair will in addition to acting as focal point for RE education, may look into aspects like technology development, preparation of course curriculum, policy framework aspects of renewable energy etc.
- v. One (1) distinct Chair will be dedicated to each of the five selected technology focus areas, to be determined based on contemporary industry demands and Ministry priorities.
- vi. The Chairs will drive high-impact research, curriculum development, and industry-academia collaboration in their respective domains as under:
 - **Research supervision:** The appointed Chair Professor shall actively serve as the primary research guide/supervisor for a cohort of three (3) to five (5) Ph.D. candidates at any given time.
 - **Domain Alignment:** The doctoral research overseen by the Chair must be strictly aligned with the designated Renewable Energy (RE) technology vertical assigned to that specific Chair.

- vii. The chair institution will submit annual report including the RE promotional activities every year to the Ministry in the following lines:

Responsibilities/Deliverables of the Chair Professor

- Lead frontier research in renewable energy.
 - Development of new undergraduate and postgraduate courses/course modules.
 - Supervise Ph.D., M.Tech., and postdoctoral researchers.
 - Establish national and international collaborations.
 - Secure external research funding.
 - Publications in high-impact journals.
 - Development of patents and technologies.
 - Organize workshops and training programmes.
 - Advise government and industry on renewable energy policy and technology through policy briefs/papers/reports.
 - Advise centres of excellence in emerging areas such as green hydrogen, battery storage, offshore wind, and smart grids.
 - Establishing linkages between academia, research and RE industry
 - To advise provisions to enhance skilling, employment / entrepreneurship opportunities in RE sector
- viii. An MOU between Ministry and Institution will be signed for this purpose.
- ix. The detailed guidelines are given in *Annexure – VII*.

2.5 Creation of a iGoT type learning environment – Virtual Learning Environment & Teaching Aids

To institutionalize a competency-driven capacity-building model, a digital learning infrastructure modeled after the **iGOT platform framework** shall be established. This will be a technology-enabled ecosystem that bridges the gap between theoretical renewable energy (RE) concepts and large-scale field applications. The trainings/courses will cover all the renewable energy and its related applications and alternate technologies, AI related to RE.

The key objectives of the platform would include:

- i. To extend the functionalities of the iGot Karmyogi portal that would be accessible to the young men and women working in the renewable energy space
- ii. To create suitable audio-visual content that could be available for capacity building in identified fields of renewable energy

Pilot training/upskilling/certification/refresher and outreach programmes for Master trainers & Trainers, Trainees, employers, Faculty and working professionals engaged in RE sector. Content shall be made accessible in regional languages.

2.6 An enabling digital platform for connecting trained and certified manpower with potential employers

The Trainee-Employer Connect digital Platform: A dedicated Trainee-Employer Connect online Platform will be established to bridge the gap between skilled youth and market vacancies. To ensure the platform's efficacy, industry involvement will be actively sought by the department to cultivate long-term employment partnerships, job fair collaborations, and structured apprenticeship opportunities.

To maximize placement outcomes, the Trainee-Employer Connect Platform will actively seek and onboard industry partners for direct recruitment, apprenticeships, and training collaborations.

To use the portal to connect certified and trained skilled manpower with the industry so that it could become a platform for providing jobs

3.0 Governance, Advisory, and Monitoring Framework

3.1 HRD Advisory and Monitoring Committee (HAMC)

A high-level HRD Advisory and Monitoring Committee, comprising designated experts from academia and the renewable energy industry, may be constituted to provide strategic oversight.

Composition: Eminent person having expertise of renewable energy/skilling and education will be act as Chairman of the Committee. Representatives from MSDE, Academia, research Institutes, MNRE institutions, Industry Associations/Industries and any other deemed fit persons will be the members of the committee.

Mandate: The Committee shall guide, review, and monitor all human resource development activities under this program. The committee will met at least once in a year and the recommendations of the committee will be submitted to Secretary, MNRE.

Core Functions:

- Advise on policy reforms across all components of the HRD program.
- Formulate new training interventions and design frameworks to maximize employment generation across skill development programs.
- Provide strategic inputs to ensure both physical and financial progress targets are achieved.
- Review and validate comprehensive sector reports, curriculum/course structures, and national skill gap assessments.

3.2 Technical Expert Committee (TEC) for Implementation

A dedicated implementation committee shall be constituted to streamline field execution and inter-agency coordination of various components.

- i. **Composition:** Representatives from the Ministry's autonomous institutions- including the National Institute of Solar Energy (NISE), National Institute of Wind Energy (NIWE), and National Institute of Renewable Energy (NIRE), alongside representatives from academic/research Institutes, Industry associations the Directorate General of Training (DGT) and other relevant regulatory bodies.
- ii. **Core Functions:**
 - Provide technical support to optimize the program's implementation framework.
 - Establish criteria for, and formally identify, eligible RE-focused districts and beneficiary training institutes.

3.3 Program Management Unit (PMU) & Review Mechanism

To ensure rigorous operational monitoring, the Ministry shall engage a dedicated Program Management Unit (PMU).

- i. **Operational Mandate:** The PMU will manage day-to-day administrative monitoring, compile progress metrics, and facilitate programmatic reviews.
- ii. **Institutional Convenings:** The PMU shall organize regular institutional meetings, stakeholder consultations, and workshops to foster knowledge exchange, including:
 - The Annual Convention of National Renewable Energy Fellows.
 - The Joint Convention of RE Chair Professors and National Renewable Energy Fellows.
 - Periodic review and consultation meetings with institutions receiving financial infrastructure support under this HRD framework.
- iii. The PMU shall be selected through an appropriate tendering process, such as through the GeM portal, including the quality and Cost Based Selection (QCBS) method.

4.0 Budget: The financial out lay of the scheme is Rs.200 crore for the period of FY 2026-31. The component wise break up is given at table-1 and Year wise component wise break up is given in table-2 at *Annexure-VIII*.

5.0 Summary of the financial assistance for HRD scheme

The financial assistance for organizing trainings would be upto 100%. The following norms would be followed:

Table no. 4: Financial assistance under various components

S.No	Name of the component	Funding pattern
1.	Short term training programmes	
1.1	Skill Development programmes such as solar PV technician (Suryamitra), Solar pump technicians (Varunmitra), Wind energy technicians (Vayumitra) in Small Hydro Power Technicians (Jal Urja mitra), Bio energy (Biomitra) and other RPL/STT skilling programmes in renewable energy technologies.	As per current MSDE norms (annexure-1) and will be revised as and when the MSDE revises the rates. Wherever the training programmes with new elements like training of trainers, master trainers, assessors etc. which have not been covered for funding in MSDE norms will be considered with the approval of Secretary, MNRE.
1.2	Other short term training programmes in RE to engineers, supervisors, policy makers, project developers, Entrepreneurs, technicians, semi educated personnel and others.*#	
1.2.1	State level training Programme	Maximum 15 lakh per programme (50 trainees for one week).
1.2.2	National level training programme	Maximum Rs.25 lakh/programme (50 trainees for one week).
1.2.3	Short-term programme for technicians	Rs. 1.5 lakh/programme (30 technicians for one week)
2.	Fellowships	
2.1	National Renewable Energy Fellowships - M.Tech., Ph.D, Research Associate (RA)/Post Doctoral Fellow (PDF)	As per AICTC/MHRD/UGC/ DST/ CSIR and would be revised as and when they revise the rates.
3.	Renewable Energy Chair	Total grant of Rs. 2 crore per Chair **
4.	Support for Laboratory upgradation in higher educational institutes/Labs	Maximum Rs.1 Crore per Institute
5.	Assistance for developing course materials	As per GFR norms
6.	Internship stipend	Rs.20,000/- per month
7.	Development of 50 training institutes as RE institutes – Upgradation of Infrastructure	with financial support of maximum Rs. 40 lakh to each Institute.
8.	Hyper localized jobs planning focusing on Skilling, Upskilling and reskilling in 100 identified RE districts- Short term trainings & skill development programmes including upskilling and reskilling programmes.	As per guidelines for Short Term Training mentioned in para-1.1 in 100 identified RE Districts by Expert Committee.
9	Creation of a iGoT type learning environment – Virtual Learning Environment & Teaching Aids- Master trainers & Trainers, Trainees, employers, Faculty and & outreach	portal for pvt. Citizen as per General Financial Rules and course content development as per General Financial Rules. As per GFR /CBC/KB/and MSDE norms

	(portal for pvt. citizen, digital course content development /Audio-visual models	
10	Green Talent Platform, Trainee-Employer Connect – An enabling digital platform for connecting trained and certified manpower with potential employers, Master trainers & Trainers, Trainees, employers, Faculty and & outreach	As per GFR /CBC/KB/and MSDE norms
11	Pilot Model class rooms with digital aids in RE institutes of top 10 RE states	20 lakhs per classroom to RE institutes of 10 RE states identified by Expert Committee
12	Others such as PMU, state support, workshops, conferences, awareness etc.	As per General Financial Rules and DoE guidelines

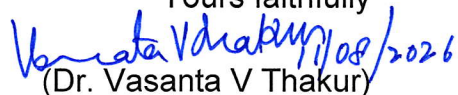
* Funds will be released to implementing organization in 3 instalments (i.) 50% as advance along with sanction letter (ii.) 40% funds on submission of UC / SoE (iii.) balance 10% on submission of completion report and final UC/SoE.

#The proposed financial support should be clearly spell out with the justification for each head. The provisions of various heads under which financial support can be proposed by the applicant organisation are course-fee, course kit, honorarium, study tour/visits, travel, venue cost, boarding & lodging, content development, Institute cost , miscellaneous etc.

** a total grant of Rs.2 crore will be provided i.e (i) One time support for establishment of chair – Rs.1.50 crore as seed money (ii) Support based on performance/outcome of RE chair – Rs.50 lakh in 5 years (Rs.10 lakh after submitting the details of the RE chair candidate selected by the Institute to MNRE and Rs.10 lakh each year for next 4 years on receipt of annual RE promotional activity report including the Statement of Expenditure (SoE).

6.0 Any changes in the guidelines may be carried out with appropriate justifications, within the approved outlay, EFC approval and with the approval of Hon'ble Minister for NRE.

7.0 This issues in exercise of delegated powers of this Ministry with the approval of Competent Authority and with the concurrence of IFD vide Dy. No. 221 dated 04.08.2026.

Yours faithfully

 (Dr. Vasanta V Thakur)
 Scientist E, HRD

Copy for information and necessary action to:

- i. OSD to Hon'ble Minister (NRE)
- ii. PS to Hon'ble MoS (NRE)
- iii. PPS to Secretary, MNRE
- iv. PA to Additional Secretary, MNRE

- v. PPS to JS&FA
- vi. All Group Heads, MNRE
- vii. Director, IFD
- viii. Director, (PFC-1), Ministry of Finance, Department of Expenditure,
Kartvya Bhawan, New Delhi
- ix. Section Record.

MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP NOTIFICATION

New Delhi, the 23rd February, 2026

F. No. H-22011/2/2014-SDE (Vol. IV)-Part(3).— In exercise of the powers conferred by Clause 4 of the Notification No. H-22011/2/2014-SDE-I dated 15.07.2015 concerning Common Norms for Skill Development Schemes of the Government of India, the Common Norms Committee constituted for the purpose makes the following changes further to amend the Schedules of Annexure-I of the Notification No. H-22011/2/2014-SDE-I dated 15.07.2015 as subsequently amended dated 20.05.2016, 28.02.2017, 31.12.2018, 11.11.2020 and 01.01.2021, namely:

1. These amendments may be called Common Norms for Skill Development Schemes Sixth Amendment, 2026.

Amendments:

- (i) For Sub-Clause 1.1 of Clause 1 of SCHEDULE-I of Annexure-1, the following shall be substituted.

1.1 The base costs for different sectors of Category I, Category II and Category III job roles are increased at 15%, 25% and 5% respectively of the amounts mentioned in clause 1.1 of SCHEDULE-I with effect from date of notification.

The base cost for different sectors will be as under with effect from date of notification:-

- i. ₹ 56.35 per hour of training for trades/sectors listed in Category I of SCHEDULE-II
- ii. ₹ 52.50 per hour of training for trades/sectors listed in Category II of SCHEDULE-II
- iii. ₹ 36.85 per hour of training for trades/sectors listed in Category III of SCHEDULE-II

The following Sub-clauses 1.2 and 1.2.1 shall be added below Sub-clause 1.1 of SCHEDULE-I of Annexure-I regarding base rates for training job roles, namely:-

1.2 The revised per-hour training cost rates under Category I, II and III job roles shall apply provisionally to all job roles across sectors, till separate methodology for determining base rates for training job roles above NSQF Level 3.5 is finalized.

1.2.1 Post re-categorization, the revised rates given above will apply only for job roles up to NSQF Level 3.5.

- (ii) For Sub-Clause 5.1 of Clause 5 of SCHEDULE-I of Annexure-1, the following shall be substituted as under with effect from date of notification.

5.1 Training in Special Areas: Over and above the Base Cost, an additional amount equal to 10% of the Base Cost should be permitted for Skill Development programmes conducted in the North Eastern States, Jammu & Kashmir, **Ladakh**, Himachal Pradesh, Uttarakhand, Andaman & Nikobar Island, Lakshadweep and districts affected by Left Wing Extremism (LWE) as identified by the M/O Home Affairs for the Integrated Action Plan (hereinafter referred to as “Special Areas”).

GYAN BHUSHAN,
Senior Economic Adviser

**Ministry of New and Renewable Energy
HRD Division**

Subject: Guidelines for providing financial support for organizing short-term training programmes in Renewable Energy.

The enhanced targets of 500 GW non fossil fuel energy by 2030 has given significant impetus to solar and wind grid power development. Various reports dealing with assessment of the job potential in renewable energy sector estimated that around 4.0 million jobs may be created in renewable energy sector by FY 2030. Majority of these jobs were estimated to be in system integration, installation, operation and maintenance and repair of renewable energy systems and devices. To meet the massive requirement of manpower in this segment, Ministry has been supporting universities, technical institutes, training institutes, State Nodal Agencies, reputed NGOs with Pan-India jurisdiction, active in renewable energy areas for significant time, with necessary infrastructure and core capacity to organize such training programmes.

2.0 In view to bring clarity to support proposals of Institutes, industry organizations, NGOs and private companies, startups following guidelines have been prepared.

- i. The organization should submit the proposal in prescribed proforma annexed herewith (Annexure II-A).
- ii. The organization should have in-house capacity/core competence to conduct such training programme and that should be supported by documentary evidence.
- iii. The organization should have carried out necessary survey/assessment of the area for their requirement of training need so that the trainees may be benefitted with the possible employment.
- iv. The organization should have developed the pedagogy, course contents including practicals for the course and should be shared with the Ministry along-with the proposal.

3.0 The proposals received will be preliminarily scrutinized by the HRD Division to assess if all the information sought have been provided. This would then be submitted to a committee constituted in the Ministry. The Committee may call the proposer to make a presentation on the proposal. Based on the recommendations of the Committee, the proposal will be processed by the HRD Division for necessary approvals.

Proforma for submission of proposal for short-term training programme

- a. Name of the organization:
- b. Name of the proposer along with contact details:
- c. Background/history of the organization, its activities in RE development, especially capacity building (to be supported by necessary documents)
- d. Technology area for the proposed training programmes
- e. Objective of the programme
- f. Target group to be addressed in proposed training programmes
- g. Geographical Area of operation
- h. Assessment of skilled manpower requirement in the area of operation based on projects implemented/systems installed as also the potential growth of penetration of renewable energy systems in the area of operation.
- i. Number of trainees proposed to be trained in one year (this should be based on assessment done in the area of operation)
- j. Selection criteria of trainees
- k. Core competence of the organization in conducting the training programme-
 - i. faculty
 - ii. Infrastructure (training tools particularly to cover practical training and other aspects)
 - iii. course material & methodology of imparting training (both theory and practical) including pedagogy
- l. In case guest faculty is to be engaged to cover specific aspects, in which the organization lacks core competence, then the detail of the guest faculty to be given along with the consent letter from the guest faculty
- m. Percentage of time devoted by core faculty and guest faculty in a particular training programme
- n. In case of off-campus programmes, tie-up with local organization for venue and other infrastructure to be clearly spelt out.
- o. If the organization has tied up with some industry, system integrators, installers, EPC etc. for engaging the trained manpower, the same may be spelt out.
- p. The proposed financial support should be clearly spell out with the justification for each head. The provisions of various heads under which financial support can be proposed by the applicant organisation are course-fee, course kit, honorarium, study tour/visits, travel, venue cost, boarding & lodging, content development, Institute cost, miscellaneous etc.
- q. If any fee is being charged from the trainees, that may also be indicated.
- r. Anticipated impact of the training programme on life of trainees as well as in quality improvement of RE programme
- s. Financial proposal with detailed break-up and the support expected from the Ministry.
- t. MSDE qualification pack is available for the proposed course
- u. In case of NGO, Darpan ID No.

**Ministry of New and Renewable Energy
HRD Division**

Subject: Guidelines for National Renewable Energy Internship (NREI) Scheme

Ministry 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". The students of various Engineering, Science, Management, law and other streams may undertake internship in the Ministry and in organizations under its aegis to understand various activities of the Ministry to become Researchers/Managers in renewable energy area. These interns will be attached with the senior level officers of the Ministry in various Programme Divisions. These interns can work for a period of two months to six months.

2. The scheme also provides opportunity to personnel engaged in projects related to policy research / promotion/demonstration and deployment of renewable energy in national and international research institutes and financial institutions to work as Interns in the Ministry / its organisations, PSUs/other organisations and institutes engaged in renewable energy sector /RE industry associations/industries, to understand the various activities of the Ministry and renewable energy sector.

3. A stipend amount of Rs. 20,000/- per month will be provided for physical internships only. Students availing government merit scholarships only can get internship

4. The scheme:

4.1 Name of the scheme: National Renewable Energy Internship (NREI) Scheme

4.2 Objective: To engage persons pursuing Graduate / Post graduate course of Engineering/Management/ Law/Science stream/Renewable energy in recognized University/institution within India or abroad, as "Interns" with the Ministry of New and Renewable Energy for mutual benefit.

4.3 Purpose: The "Interns" shall have an opportunity to know about the Ministry's functioning, programmes and policy, issues in Renewable Energy and contribute to generate inputs such as analysis, technical reports/ technology advancement/ project reports/policy papers, etc. for furtherance of the objectives of this Ministry.

4.4 Details of the Scheme

- (i) **Period:** Internship is available twice (during summer and winter vacation) in the year based on the MNRE requirement.

(ii) **Eligibility:**

(a) The applicant should be pursuing graduate (Third/fourth year engineering/ final year of other degrees or post graduate degree course in Engineering/ Management/ Law/ Science stream/Renewable Energy in recognized University/institution within India or abroad.

(b) The persons working in RE area in National, International, Non-Governmental Institutes/organisations.

(iii) **Number:** Maximum 50 no. of interns will be provided internship per year totalling to 250 students for the scheme period.

(iv) **Duration:** Will be from two to six months to be counted from the day of start of internship. No intern would be allowed to repeat or extend the internship above 6 months.

(v) **Declaration of Confidentiality/Secrecy:** Interns will be required to furnish to the Ministry of New and Renewable Energy a declaration of confidentiality/secrecy before reporting for the internship.

(vi) **Logistic Support:** Ministry of New and Renewable Energy shall provide them with internet facility and other necessities as deemed fit by the concerned Heads for physical internship. Interns will be required to have their own Laptops. They shall also make their own lodging and boarding arrangements.

(vii) **Placement:** There will be no commitment for placement of interns in the Ministry or allied/ subordinate organizations.

(viii) **Industry Exposure:** The program includes an optional industry placement of up to 4 months. This exposure may be stipendiary or non-stipendiary and any industry stipend received will be in addition to the Ministry's stipend.

(ix) **Submission of Paper:** The interns will be required to submit a Report / Paper on the allotted subject at the end of the internship to the Head of the Division. Seminar/presentation can be conducted by the HRD division in the presence of Heads of the division if, required.

(x) **Certificate of Internship:** Certificate will be issued to the interns on satisfactory completion of their internship and evaluation of their Report/Paper by the concerned mentor.

(xi) **How to apply:** The students/candidates can apply on half yearly basis (during summer and winter vacation) online only through the address link indicated at www.hrd.mnre.gov.in. Intern must clearly indicate the area of interest. (Ministry's thrust research areas & programme areas/vision can be obtained from the website).

Application shall be made at least one month before the expected date of joining and not more than 3 months in advance from the date of commencement.

(xi) **No objection Certificate:** At the time of joining after selection, applicant shall be required to produce a letter from their Supervisor/Head of Department/Principal, indicating their status in the Institution /employer and "No Objection" for allowing their student/Employ to undergo Internship program for the period for which he or she is selected/and the student will not be registered for any course where regular attendance is required. If any discrepancy is found, the candidature of the candidate will be cancelled by the Ministry.

(xii) **Selection:** All applications will be scrutinized and selected by the Selection Committee constituted by the Ministry based on 70-30 ratio of the marks obtained by the applicants in previous semesters of course (average marks) and interaction/interview, which shall meet as frequently as required. Offers will be sent to selected interns subject to availability of slots, consent of the concerned Division and approval of the Selection Committee. The selected candidates will produce original marksheets and NOC from the college/institution at the time of joining, failing which his/her candidature shall be cancelled. HRD division will upload the list of selected candidates on MNRE website.

(xiii) **Attendance:** The candidates should have minimum 85% attendance which they have to mark in and out on daily basis in case of physical internships.

(xiv) The conduct of the interns and their access to data shall be the sole responsibility of the heads of the divisions where they are working.

(xv) As the present internship being offered is not a job/placement, hence, labour laws are not applicable for the work done either in Ministry/Govt Organizations/any other organization providing industry exposure, under present guidelines. In case of any dispute between institute and intern, the decision of Secretary, MNRE shall be final and binding. The applicants those who are not willing to bind themselves with this provision, should not apply for internship under these guidelines.

4.5 Relaxation: Secretary, MNRE will have the power to relax any of the above conditions mentioned, in respect of any deserving candidate.

**Ministry of New and Renewable Energy
HRD Division**

Subject: Guidelines for providing grant-in-aid support for laboratory upgradation:

1. **Objective:** The objective is to provide a one-time grant-in-aid support to educational institutions for empowering the educational institution by upgrading their laboratory facilities to provide quality education in renewable energy area with adequate practical exposure to student.
2. **Level of Assistance:** A one-time grant-in-aid support to the tune of maximum Rs. **1.0 crore** will be provided to selected educational institutions for upgrading laboratory facilities. The grant-in-aid support will be provided mainly for:-
 - i. Procuring the lab equipments to cater the requirement of practicals at under graduate and post graduate level.
 - ii. Procurement of teaching aids such as cut models/working models
 - iii. Remodelling/refurnishing the existing laboratory to facilitate installation and commissioning of new equipment/software in the laboratory.
3. **Number of Institutions to be supported:** Total 10 no. of institutions.
4. **Selection criteria:**
 - 4.1 The applications will be invited through an advertisement uploaded in the Ministry's website/newspapers from time to time from universities/higher educational institutions in prescribed proforma (Annexure-IV-A), elaborating the course content, practicals being taught at B.Tech, M.Sc and M.Tech levels, elaborating their capability and willingness to improve/undertake renewable energy courses at B.Tech, M.Sc and M.Tech levels.
 - 4.2 **Eligibility Criteria:-** Government Institutions fulfilling the following criteria would be eligible for applying for grant:
 - i. Eligible institutions must offer either a dedicated M.S/M.Sc. renewable energy/M.Tech. course in Renewable Energy or a degree program containing at least 40% curriculum content dedicated to renewable energy and its related applications. Additionally, applying institutes must demonstrate adequate faculty expertise in relevant renewable energy fields, alongside established infrastructure supporting advanced education and research in the sector.

- ii. The University/Institute should have a regular under graduate/post-graduate programme on Renewable Energy.
- iii. The course content of the programme should inter-alia have components of the model course curriculum developed by the Ministry.
- iv. The minimum student's intake in the M.S/M.Sc/M.Tech courses on Renewable Energy should be 10 -15.
- v. There should be a minimum three core faculty members to undertake courses on Renewable Energy in the University/Institute.
- vi. The University/Institute should have active placement cell and should have active interaction with the Renewable Energy industry.
- vii. The University/Institute should have a clear plan of action/vision for upgradation their existing courses.
- viii. The University/Institute should be willing to put it's on funding/stake in the departments being supported by the Ministry for lab and library upgradation and should be provided all necessary support as may be needed for smooth functioning of the department.

4.3 The proposals fulfilling the above criteria will be submitted to a constituted Committee. The Committee will examine the proposals received vis-à-vis to the criteria listed above and the comments of HRD Division and will recommend/shortlist the institutions for providing one-time grant-in-aid support. The emphasis will be given to such institutions who have been undertaking courses on renewable energy at B.Tech, M.Tech and M.S/M.Sc level.

4.4 It will also be seen that the institution is ready to incorporate some of the components of the model syllabus developed by the Ministry.

4.5 The proposal will be submitted for approval of sanctioning the one-time grant-in-aid support to the institute and 60% of the sanctioned amount to be released along with the sanction.

4.6 The University and institute will have to upgrade the facility within maximum 24 months of receipt the sanction and balance 40% will be released after receipt of UC of the released amount and the Statement of Expenditure clearly showing the committed liability towards balance fund by way of placing the orders/identifying the equipment.

Proforma for seeking grant-in-aid support for laboratory upgradation to be submitted through the Registrar of University/Institution

Part A: Institutional Details

1. Name of the Course :
2. Name of the Institution:
3. Name of the Department :
4. Coordinator of the Proposed Programme:
5. Type of Institution :

☐	University (Central/State)
☐	National Institute
☐	GC Supported (12B)
☐	Others (Pl. Explain)
6. Please enclose a copy of the last annual report.
7. Year of Establishment:
8. Approximate Number of Students:

Part B: Details of the Course

9. Course being/to-be implemented:
10. Name and Qualification of the Faculty Members attached to the course:
(Pl. attach a separate sheet)
11. Any Collaborative Institute: (if yes, pl. provide details)
12. Existing laboratory facility: (Pl. attach separate sheet)
13. Experience in Energy related courses:
14. Since when the course being run
15. Number of seats in each of the course
16. Specialization offered
17. If any industry collaboration is there, if so details thereof;
18. If placement service is being provided
19. Details of placement of previous students
20. Any other details
21. Sponsored Projects in the area of Energy, Environment and Renewable Energy:

PART C: Financial

22. Asked Budgetary Support

(Amount in INR in Lacs)

S.No.	Item	Total Cost	First Year	Second Year
1	Equipment*			
2.	Cut models/system design and other related softwares*			

*Please attached a detailed list of equipment/cut models/softwares with cost estimates

23. Participating Industry (if any):

24. Participating Institution (if any):

Certified that information given above have been verified and correct

Name and Signature of Head of Department with Seal

Name and Signature of Dean with Seal

Name and Signature of Registrar with seal.

**Ministry of New and Renewable Energy
HRD Division**

Guidelines for Development of 50 training institutes as RE institutes

1. Objective

The primary goal is to institutionalize renewable energy (RE) education and training to meet the massive requirement for a qualified workforce. By upgrading existing infrastructure, the Ministry aims to strengthen the vocational ecosystem to provide regular hands-on practical experience aligned with the national target of 500 GW of RE by 2030.

2. Institutional Target and Selection Criteria

The programme targets the upgradation of 50 institutes which includes ITIs/Polytechnics/Eng. Colleges/Industry training Institutes/other training institutes/higher educational/R&D institutions, for RE trainings/skilling preferably focussing on RE concentrated districts/clusters with high RE installations/potential.

Geographical Priority: Selection prioritizes institutes located in proximity to existing or prospective RE project/cluster locations, such as solar installations, wind stations, bio-energy projects and small hydro projects.

3. Detailed Scope of Infrastructure Upgradation

The grant is strictly for upgrading teaching and practical facilities and is not for undertaking new civil construction.

- i. Equipment Procurement: Specialized procurement of tools, models, panels, and machinery for technologies including Solar PV, Solar Thermal, Wind, Biomass, Biofuel, and Hydrogen.
- ii. Lab Re-modeling: Modification or refurbishing of existing laboratory layouts to facilitate the installation and commissioning of advanced RE systems and teaching aids.
- iii. Digital Infrastructure: Establishment of Pilot Model Classrooms with digital aids, linking to Virtual Learning Environments (VLE) and the Skill India Digital Hub (SIDH).

4. Implementation Framework

- i. The scheme will be implemented in the selected ITIs/higher educational/R&D institutions in identified RE districts through an RE Advisor Committee in MNRE.
- ii. The implementing agency will be selected through an expert committee comprising representatives from MNRE institutions (NISE, NIWE, NIRE) and the Directorate General of Training.

- iii. MNRE will invite proposals through open advertisement or direct submission modes.
- iv. Proposals will be examined by the PMU.
- v. Upgradation Timeline: Selected institutes would complete the facility upgradation within 12-18 months of receiving the first installment.
- vi. Industry Collaboration: Upgraded institutes will be encouraged to partner with Industry to align training with industry needs and facilitate employment outcomes.

5. Financial Assistance and Disbursement Pattern

A. Funding Ceilings: Average outlay of Rs.40 lakh maximum

B. Performance-Linked Tranches:

- i. First Installment (50%): Released as an advance upon sanction of the proposal and signing of the MOU/Agreement.
- ii. Second Installment (40%): Released upon submission of the Utilization Certificate (UC), Statement of Expenditure (SoE) showing at least 75% utilization of the first tranche.
- iii. Final Installment (10%): Released upon submission of the final completion report, evidence of meeting 80% of KPIs and performance evaluation by MNRE.

6. Curriculum Design and Trainer Development

- i. Modularization: RE courses will follow a modular structure, including Core Modules (foundational) and Specific RE Modules co-developed with industry.
- ii. Course Material: Financial assistance may include provision for developing specialized course materials in consultation with the RE industry.
- iii. Training of Instructors (ToI): Financial assistance may also include a critical component involving upskilling existing instructors in green practices and the operation of upgraded lab equipment.

7. Monitoring, Evaluation, and KPIs

- i. The scheme will be monitored by a Project Monitoring Unit (PMU) at the Ministry level which will submit a periodical report to Expert Committee.
- ii. Reporting: Institutes will submit periodic progress reports, UCs, and expenditure statements as prescribed by the Government of India
- iii. Digital Monitoring: Progress will be tracked via an integrated digital dashboard for real-time data capture.
- iv. Key Performance Indicators (KPIs): Success will be measured against weighted targets, including:
 - a. Seat Utilization: Percentage of training capacity filled.

- b. Outcomes: A target pass percentage of 90% and a placement rate around 50% for certified trainees.
 - c. Independent Audit: An Independent Monitoring Agency (IMA) will verify milestone completion before project tranches are triggered.
- v. For any clarity during implementation/monitoring of the project, the matter will be brought before the Expert Committee for guidance.
- vi. In case of any dispute regarding interpretation, the decision of the Expert Committee shall be final.

Pilot Model Classrooms with Digital Aids

1. Introduction:

India's target of 500 GW non-fossil capacity by 2030 requires a highly skilled, industry-ready workforce. Current training models face significant gaps in digital pedagogy and standardized infrastructure, often relying on traditional lecture-based methods with limited exposure to real-world renewable energy (RE) systems. These model classrooms aim to bridge this gap by establishing a technology-enabled learning ecosystem that integrates practical simulation-based training. They will serve as a replicable national model for technology-enabled teaching in the Top 10 RE-performing states.

2. Objective : To create digitally enabled model classrooms as a replicable national model in leading RE institutes.

3. Scope and Coverage

- i. **Geographic Focus:** The scheme targets to develop 10 no. of institutes in the Top 10 RE-performing states to be identified by Expert Committee constituted by MNRE. 10% of the total no. of institutes may be allocated for NE/Hilly states, relaxing the eligibility norm of top RE performing state.
- ii. **Eligible Institutions:** Includes National/state level RE Training Institutes, engineering colleges, and specialized ITIs/Polytechnics.

4. Financial support and disbursements

Rs. 20 lakh per classroom will be provided as one time assistance for Hardware, Simulation Tools, LMS/Content, Training, Infrastructure/Networking, and Contingency and will be disbursed as detailed at 2.3.3.

5. Implementation Framework

- i. **Selection Criteria:** The Institute shall be situated in Top 10 RE-performing states. Such Institute must have intake of 60 to 90 students annually in last 4-5 years, existing RE programs, basic infrastructure readiness, and committed faculty.
 - a. **Technical Readiness:** Availability of dedicated floor space for simulation stations and a commitment to co-funding (30% for general states;).
 - b. **Faculty Strength:** Commitment to 100% faculty training in digital pedagogy.
- ii. MNRE will be supported by a Project Monitoring Unit (PMU) to standardize processes and seeking proposals from eligible institutes.
- iii. The proposal will be placed by MNRE/PMU before the Expert Committee constituted for granting approval.
- iv. Institutes are encouraged to engage Industry Partners.

6. Monitoring

- i. The scheme will be monitored by a MNRE/Project Monitoring Unit (PMU) at the Ministry level which will submit a periodical report to Expert Committee.
- ii. Reporting: Institutes will submit periodic progress reports, UCs, and expenditure statements as prescribed by MNRE.
- iii. **Timeline:** Implementation is phased over 24 months, moving from procurement (months 3–6) to installation (months 6–9) and full pilot operation (months 12–24).
- iv. **Maintenance:** Institutions will maintain Annual Maintenance Contracts (AMC) to mitigate technology obsolescence and hardware issues.
- v. For any clarity during implementation/monitoring of the project, the matter will be brought before the Expert Committee for guidance.
- vi. In case of any dispute regarding interpretation, the decision of the Expert Committee shall be final.

**Ministry of New and Renewable Energy
HRD division**

Sub: Guidelines for creation of RE Chairs

1. **Objective:** The overall objective of instituting a Renewable Energy Chair in selected higher education institutions/universities is to mainstreaming the renewable energy education in that institute/university so as the Chair can act as focal point for renewable energy education in the institution.
2. **Level of assistance:** A total grant of Rs. 2 crore (Rs.1.5 crore seed money and Rs. 50 lakh performance-linked support over five years) as detailed at 2.4.ii. The proceeds of which will be used to pay the remuneration of the Chair. The Chair may be among the existing strength of the Institute/over and above the strength of the institute.
3. **Total Number of Chairs:** Five (5) no. Chairs will be instituted in various areas of renewable energy in reputed institutions engaged in RE education.
4. **Guidelines/criteria of selection:**
 - 4.1 **Eligibility Criteria:** Only the institutes/universities meeting the following criteria will be considered for providing RE Chair (applicable for chairs dealing with RE technology):
 - a) The University/Institute should have run a regular under – graduate/post graduate programme on Renewable Energy for five years prior to applying for the RE Chair.
 - b) The course contents of the programme should be by and large on the line of the model course curriculum developed by the Ministry in their existing syllabus.
 - c) The minimum students' intake in the M.S/M.Sc/M.Tech course on Renewable Energy should be 15.
 - d) There should be a minimum five core faculty members to undertake courses on Renewable Energy in the University/Institute.
 - e) The University/Institute should have active placement cell and should have active interaction with the Renewable Energy industry.
 - f) The University/Institute should have a clear plan of action/vision for the RE Chair to be instituted.

g) The University/Institute should be willing to put its own funding/stake in the research proposals and other mechanism which will be evolved by the Chair Professor and the Chair Professor should be provided all necessary support as may be needed for smooth functioning of the Chair.

h) Since, the RE Chair is intended to act as focal point for Renewable Energy education in the University/Institute, the University/Institute should have a mechanism for regular interaction with the user groups/industries to enable modifying its syllabus from time to time to cater manpower requirement of industry/user groups.

4.2 Applications in prescribed Proforma will be invited from universities/higher educational institutions (having status of deemed universities such as IITs, NITs, NLIs, IIMs, BITS etc.) for institution of a Renewable Energy Chair through an advertisement/call for proposals uploaded in the Ministry's website from time to time, elaborating their capability and strength in running renewable energy courses at M.Sc. and M.Tech levels, besides pursuing research in renewable energy sector.

4.3 The proposals so received will be preliminary assessed by the Ministry on 100 point basis distributed as follows:

- i) Duration since the RE course started in the institute/university Marks
 - a. For last 15 years - 35
 - b. For last 10 years - 30
 - c. For last 5 years - 20
 - d. Less than 5 years - 10
- ii) Availability of Laboratory in the institute covering the following weightage:
 - a. Solar PV and Solar Thermal labs - 5
 - b. Wind, Biomass, Biofuel, hydrogen and other RET labs - 10
- iii) Availability of regular faculty in the institutions involved in RE courses with Ph.D and 5-7 years' experience as well as quality research as evident from publications in international journals of repute:
 - a. 3 Professors and 2 Associate Professors - 20
 - b. 2 Professors and 3 Associate Professors- 10
 - c. 1 Professor and 4 Associate Professors- 10
- iv) The institution/coordinating department should have executed R&D projects at national/international level:

- a. 5 projects - 15
 - b. 3 projects - 9
 - c. 2 projects - 6
 - v) The faculty must have undertake industrial consultancy projects:
 - d.5 consultancy projects -15
 - e.3 consultancy projects - 9
 - f.2 consultancy projects - 6
 - vi) Willingness of the university to put it's on funding/stake in the research proposals and other mechanism which will be evolved by the Chair Professor and the Chair Professor should be provided all necessary support as may be needed for smooth functioning of the Chair - 10
- Total Marks - 100
Minimum required - 60

4.4 The proposals fulfilling the above criteria will be submitted to a Committee constituted by the Ministry under the Chairmanship of eminent scientist / professor and four experts of the rank of Professors and from Institutions of repute will be the other members. Scientist-in-charge HRD will act as convener/member secretary.

4.5 The Committee will examine the proposals received vis-à-vis to marks obtained and the other criteria such as

- a. Course contents of the programme and willingness of the institute to incorporate the model course curriculum developed by the Ministry in the existing curriculum.
- b. The minimum students' intake in the M.Sc/M.Tech courses on Renewable Energy.
- c. Availability of active placement cell and its interaction with the Renewable Energy industry.
- d. A clear plan of action/vision for the RE Chair to be instituted.
- e. Since the RE Chair is intended to act as focal point for Renewable Energy education in the University/Institute, the University/Institute should have a mechanism for regular interaction with the user groups/industries to enable modifying its syllabus from time to time to cater manpower requirement of industry/user groups.

4.6 The Committee may also decide, if necessary, to call upon the institutions shortlisted for making a presentation before the Committee about their vision for the RE Chair before recommending the proposal.

4.7 The recommendations of the Committee will be put up to the Secretary for approval, followed by the concurrence of IFD.

4.8 After receiving the approval of Secretary and concurrence of IFD, the selected institutions will be informed to enter into an agreement/MOU with the Ministry. After receiving their consent to enter into an agreement/MOU with the Ministry, file will be submitted to the Secretary for his approval of providing a one-time grant-in-aid of Rs. 2.0 crore only to the institution for creation of the Renewable Energy Chair in the selected institutions.

4.9 After receipt of approval of the Secretary, the agreement will be signed by the Group Head, HRD and the Registrar of the University/Institution and the grant-in-aid will be released to the institution.

4.10 The institution will initiate the selection process for the Chair Professor through open advertisement. A provision of high level selection committee may be made by the university to ensure that only person of eminence are selected as a Chair Professor. The selection committee will inter alia have a member from the Ministry.

5. Monitoring Mechanism:

5.1 The university/Institute will continuously monitor the performance of the Renewable Energy Chair for which a high level committee may be constituted under the Chairmanship of Vice Chancellor/Director of the university/institute with a representative from the Ministry.

5.2 As the Renewable Energy Chair is aimed to act as focal point for renewable energy education in the institution, the incumbent is expected to look after various aspects of technology development, legal and policy framework of renewable energy. He is also expected to submit his opinion on various projects/policy related aspects from time to time, whenever requested for or suo-moto such reports will be periodically submitted by him to the HRD Division of the Ministry.

(Proforma for Institution of Renewable Energy Chair to be submitted by the Registrar of the University/Institution)

Part A: Institutional Details

1. Name of the Institution:
2. Name of the Department where the Chair is to be instituted:
3. Type of Institution :
☐ University (Central/State)
☐ National Institute(IIT/NIT/IIScER/IISc)
☐ GC Supported (12B)
☐ Others (Pl. Explain)
4. Please enclose a copy of the last annual report.
5. Year of Establishment:
6. Approximate Number of Students:

Part B: Details of the Academic Activities

7. Renewable Energy Course being/to-be implemented:
8. Name and qualification of
9. The Faculty Members attached to the course:
(Pl. attach a separate sheet)
10. Any Collaborative Institute:
(If yes, pl. provide details)
11. Existing laboratory facility:
(Pl. attach separate sheet)
12. Experience in Energy related courses:
 - i. Since when the course being run
 - ii. Number of seats in each of the course
 - iii. Specialization offered
 - iv. If any industry collaboration is there, if so details thereof:
 - v. If placement service is being provided
 - vi. Details of placement of previous students
 - vii. Any other details

13. Sponsored Projects in the area of Energy, Environment and Renewable Energy:
14. Whether courses are self-financed or govt. aided.
15. If self-financed what portion of the total expenses on the course are being met from the course fee

PART C : Financial

16. What are the financial arrangements for the Institution of RE Chairs:
 - A) MNRE Grant to be used for
 - B) Any contribution from the University for research grant from its own sources
 - C) Industry participation if so to what extend
 - D) Whether contingent expenses are to be met by university for the Chair Professor.
 - E) Other support which the University would provide to the Chair Professor.
17. Selection and Monitoring Procedure:
 - A) Whether selection process will involve Ministry representative
 - B) Whether University/Institute agrees for Ministry to undertake periodic review of the performance of Chair Professor
 - C) Whether the University/Institution will spare the Chair Professor for any specific assignment as may be given to the Chair Professor regarding preparing/developing any Report, Technology/Research Status Paper, course material and course details etc.

Certified that information given above have been verified and correct.

- i. Name and Signature of Head of Department with Seal
- ii. Name and Signature of Dean with Seal
- iii. Name and Signature of Registrar with seal

Annexure-VIII

Human Resource Development Programme FY 2026-27 to 2030-31

**Table-1 Human Resource Development Programme FY 2026-27 to 2030-31
with an outlay of 258.83 Cr.**

S.No	Particulars	Financial* (in crores)
1.0	Short Term Trainings & Skill Development	
1.1	Short term trainings & skill development programmes including upskilling and reskilling programmes. (As per MSDE standards, approx.. 7 lakhs man-days considering maximum 90 days training)	50.00
1.2	Hyper localized jobs planning focusing on Skilling, Upskilling and reskilling in 100 identified RE districts- Short term trainings & skill development programmes including upskilling and reskilling programmes.	40.00
2.0	Fellowship /Internships	
2.1	Fellowship support upto 165 Highly educated and research personnel – M.Tech, Ph.D, RA, PDF (As per DST norms)	15.00
2.2	Internship opportunities for students pursuing RE education & research through a consortium for Government, academia, research and industry (@20000 p.m) (250x6 = aprox 1500 internship months)	3.00
3.0	Establishment upto 5 no. RE chair @ 2.0 cr per chair	10.00
4.0	Strengthening of RE infrastructure (Physical & Virtual)	
4.1	Upgradation of Renewable Energy education and training infrastructure i.e IITs/Universities with RE infrastructure. (1 crore each) – up to 10 numbers.	10.00
4.2	Development of aprox 50 training institutes as RE institutes – Upgradation of Infrastructure with a support of maximum Rs. 40 lakh to each Institute.	20.00
4.3	Pilot Model class rooms with digital aids in RE institutes of top 10 RE states (20 lakhs per classroom)	2.00
4.4	Virtual Learning environment & Teaching Aids (portal for pvt. citizen, course content development & creation of IR/VR facility)	30.00
4.5	Green Talent Platform, Trainee-Employer Connect - Pilot training programmes - Master trainers & Trainers, Trainees, employers, Faculty and & outreach	12.00
5.0	Others such as PMU, state support, workshops, conferences, awareness etc.	8.00
6.0	Committed Liability	58.83
	Total	258.83

Table -2: Year wise Financial Outlay of HRD programme 2026-27 to 2030-31

Particulars		Amount, Rs. in Crores					
		2026-27	2027-28	2028-29	2029-30	2030-31	Total
A. Human Resource Development in New and Renewable Energy							
1	Short term trainings and skill (including upskilling & reskilling) development programmes to technicians, engineers and supervisors, policy makers, project developers etc. *	36.0	31.83	14.0	13.0	11.0	105.83*
2.0 Fellowships/Scholarships - Merit based scholarship /fellowship (as per Cabinet secretariat OM No. D-12011/01/2025-DBT dated 12.11.2025)							
2.0	Scholarships/Fellowships (M.Tech., Ph.D, RA, PDF). Merit based scholarship /fellowship	2.5	3.5	4.0	4.0	4.0	18.0**
3.0 Enhancement of Renewable Energy Based Infrastructure –							
3.0	laboratory upgradation in educational institutions academic universities/ institutes	2.0	4.0	4.0	0.0	0.0	10.0
4.0	National Renewable Energy Internship scheme (NREI)	0.4	0.6	0.8	0.6	0.6	3.0
5.0	RE chair	3.0	3.0	2.0	1.0	1.0	10.0
A	Sub Total #	43.9	42.93	24.8	18.6	16.6	146.83
B. CS Conference deliverables							
1.0	Development of 50 training institutes as RE institutes – Upgradation of Infrastructure	4.0	8.0	8.0	0	0	20.0
2.0	Hyper localized jobs - Skilling, Upskilling and reskilling in 100 identified RE districts	2.0	10.0	10	10	8.0	40.0
3.0	Virtual Learning environment & Teaching Aids (portal for pvt. citizen, course content development & creation of IR/VR facility) Master trainers & Trainers, Trainees, employers, Faculty and & outreach	5.0	10.0	5.0	5.0	5.0	30.0
4.0	Green Talent Platform, trainee employer connect - Pilot training programmes - Master trainers & Trainers, Trainees, employers, Faculty and & outreach	2.0	4.0	2.0	2.0	2.0	12.00
5.0	Pilot Model class rooms with digital aids in RE institutes of top 10 RE states	0.20	0.40	0.60	0.40	0.40	2.0
6.0	Others such as PMU & workshops, conferences, awareness etc.	1.0	1.5	1.5	2.5	1.5	8.0
	Total (B)	14.20	33.90	27.1	19.90	16.90	112.00
Total (A+B)		58.1	75.33	52.40	39.00	34.00	258.83

Note: The item wise / Year wise figures are indicative and subject to interchangeable. The items under Component A are interchangeable within its items at Sl. Nos. 1 to 5. Similarly, funds earmarked for items of Component B, specified under Sl. Nos. 1 to 6 are interchangeable, by Ministry as per requirement of Ministry/Sector with in the overall approved budget limit.

Note: Subtotal A = 146.83 Cr (88 Cr of Budget of HRD Scheme + 58.83 Cr of Committed liabilities)

*includes committed liability of Rs.58.83cr.;** includes committed liability of Rs. 3.0cr
