

**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 one-time grant of Rs. 1.50 crore only to be used by the university/institute as seed money, the proceeds of which will be used to pay the remuneration of the Chair. This Chair will be over and above the regular strength of the professors in the coordinating department of the Institute.

3. **Total Number of Chairs:** Five (5) no. Chairs will be instituted in the area of Solar energy, Wind Energy, Hydrogen, Biomass Power and Biogas area (one chair each) 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.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 Performa 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 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. 1.5 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

Name and Signature of Registrar with seal