

No.10/14/2010-P&C
Government of India
Ministry of New and Renewable Energy
(Human Resources Development Division)

Block No.14, CGO Complex,
Lodhi Road, New Delhi-110003
Dated 21.03. 2011

ORDER

Subject: Human Resources Development Programme in New and Renewable Energy for the remaining period of 11th Five-year Plan period – Guidelines for creation of RE Chairs

In continuation to the Administrative Approval of even no. dated 11th October, 2010 regarding the HRD Programme of the Ministry, I am directed to convey the 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: One chair each in 5 institutes/universities per annum with maximum 15 over a period of next three years, against which one or two Chairs may be instituted to cater the need of looking into the legal framework of renewable energy such as RPO, tariff guidelines, REC mechanism, developing independent RE law etc.
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 courses 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 (Annexure-I) 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 preliminarily 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 associated professors	10
c) 1 professors and 4 associated 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 undertaken industrial consultancy projects:	
a)	5 consultancy projects	15
b)	3 consultancy projects	9
c)	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 an Empowered Committee under the Chairmanship of Group Head dealing with the HRD activities. All the Group Heads of the Ministry and four experts of the rank of Professors and above 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-a-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 (Annexure-II). After receiving their consent to enter into an agreement/MOU with the Ministry, file will be submitted to the Minister 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 Minister, the agreement will be signed by the Joint Secretary, MNRE 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.

This issue with the approval of competent authority,

(A.N. Naraynan)
Under Secretary to Government of India