

Parliamentary Standing Committee on Energy (2010-11) Recommendation for

AHEC IIT Roorkee

The Parliamentary Standing Committee on Energy (2010-11) has given its recommendations in the form of Sixteenth Report of the Standing Committee on Energy (2010-11) on "Small and Mini Hydel Projects". This report with the recommendations was presented to Lok Sabha on 18th March, 2011. The committee has made a recommendation on technical institution and AHEC-IIT Roorkee as Recommendation Sl. No. 12, at Paragraph No. 2.12 and is reproduced below:

Technical institutions for development of Small Hydro Power

The Committee note that Alternate Hydro Energy Centre (AHEC) at IIT, Roorkee has been providing professional support in the field of small hydro power development covering planning, detailed project reports, detailed engineering designs and construction drawings, technical specialization of turn key execution / equipment supply, renovation and modernization of SHP stations, and techno-economic appraisal. Besides imparting training to the field engineers and technologists through short-term training course, the Committee have been informed that AHEC offers Master of Technology (M.Tech) programme in 'Alternate Hydro Energy Systems' and advanced training to operators and engineering staff of different types of small hydroelectric plants. The Committee have been informed that standards, manuals and guidelines for various aspects of small hydro power development are being prepared by AHEC through consultative process with the sponsorship of MNRE and a project to set up a small hydro hydraulic turbine R&D laboratory at AHEC with an objective of creating international level facilities for testing, design and R&D in the area of hydraulic turbines, hydro mechanical equipments, control and instrumentation of small hydro electric power plants have been sanctioned. While taking note of the role AHEC has played so far in their plans of technological advancement for the development of the sector, the Committee feel that much could have been done earlier for the development of small hydro technology in the country. Other centers like NITs at Hamirpur and Srinagar and technical institutions elsewhere in the country have also very little to show as their achievement. ***The Committee would therefore recommend that AHEC, IIT, Roorkee should work as a premier institution in the development of small hydro technology in the country paving the way for economic and efficient development of the technology and be a torch bearer for other technological institutes. The Committee also recommend that the Ministry should strengthen the AHEC and provide all support in encouraging it to boost the research and development activities in the small hydro sector.***