

## **EXPRESSION OF INTEREST FOR CONDUCTING FIELD EFFICIENCY TEST ON HYDRO TURBINES**

Bharat Heavy Electricals Limited, Bhopal, India, a premier company operating in the field of power generation and transmission equipment, has designed, manufactured and supplied 6 x 170 MW Vertical Pelton Turbine-Generator Sets for a Hydro Electric Project in BHUTAN. The turbines have been designed for rated net head of 819m. The T-G sets have been commissioned and are generating power at the site. As per the contractual agreement, field efficiency testing of turbine by Thermodynamic Method (as per IEC 60041:1991) is in BHEL scope.

It is proposed to get the field test done by suitable agency/firm, who have necessary instrumentation and expertise to conduct the test at site by thermodynamic method. The testing agencies/firms will be short listed after reviewing their technical capabilities, experience of similar type of work, qualification criteria, etc. The Agency / Firm should have conducted successfully Efficiency Test, by Thermodynamic method, on at least one Pelton Turbine within last ten years. We would appreciate if your “Expression of Interest” is accompanied with following details.

- 1] Test Agency's / Firm's profile.
- 2] Experience list of projects (with Pelton Turbines), where field efficiency test by Thermodynamic Method has been successfully conducted by you giving - Name of project, Country, Type of turbine, Unit Rating, Rated/ Design net head and year of test.
- 3] Confirmation of availability of necessary instrumentations and experienced test engineers.

Any clarification may please be addressed to following address:

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2. M.Mangla  
Sr.Deputy General Manager  
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\*\*Our earlier advertisement "Expression of Interest for conducting Field Efficiency Test on Hydro Turbines" uploaded on our website in Feb'08 has been cancelled and withdrawn\*\*

**EXPRESSION OF INTEREST SHOULD REACH TO  
ABOVE ADDRESS BEFORE 14<sup>TH</sup> APRIL'08**