

No. 11/48/2012-PG  
Government of India  
Ministry of Power  
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Shram Shakti Bhawan, Rafi Marg  
New Delhi, dated 16th July' 2014

**ORDER**

**Subject: Appointment of Consultant to conduct the study/analysis to ensure secure and reliable operation of the National Grid and constitution of a Grid Study Committee to facilitate Consultant in his task based on the follow up action on decisions taken on the recommendations contained in the report submitted by Task Force on Power System Analysis under contingencies-regarding**

In pursuance of the decisions taken in the meeting by Secretary (P) to consider recommendations contained in the report submitted by Task Force on Power System Analysis under contingencies, it has been decided by the Competent Authority that Power Grid Corporation of India Limited (PGCIL) would appoint a Consultant to conduct the study/analysis to ensure secure and reliable operation of the National Grid with the following Terms of Reference (TOR):-

**Tasks to be taken up in the timeframe of 3 months**

- (i) Analysis of Third Party Protection Audit carried out earlier of PGCIL and individual States system, identify gaps and suggest methodology to address them.
- (ii) Calculation of Transfer Capability (TTC/ATC) for entire country State-wise, including neighbouring countries where the power transfer is taking place- Existing, required up to 2016-17 and suggestions for addressing the gap. The methodology for optimum calculation of TTC/ ATC may be given.

**A preliminary report in this regard would be submitted to the Ministry of Power in 6 weeks.**

**Tasks to be taken up in the timeframe of 6 months**

- (i) Review the status of implementation of the recommendations of the Enquiry Committee.
- (ii) Carrying out actual Protection Audit to address the gaps, in consultation and collaboration with states and all stakeholders as per present and future requirements up to 2016-17.

- (iii) Guidelines for computer aided studies related to relay settings and recommendations thereof.
- (iv) Guidelines for developing and implementing Islanding schemes
- (v) Suitable suggestions in the Regulatory framework to ensure Secure and efficient grid operation.

2. Further, a Grid Study Committee comprising the following as members would also be constituted to facilitate the Consultant's study/analysis :-

- |       |                             |   |          |
|-------|-----------------------------|---|----------|
| (i)   | Member (GO&D), CEA          | - | Chairman |
| (ii)  | Chief Engineer (GM), CEA    | - | Member   |
| (iii) | COO, CTU                    | - | Member   |
| (iv)  | STUs (One from each region) | - | Member   |
| (v)   | Executive Director, POSOCO  | - | Member   |
| (vi)  | Other Members, as required  |   |          |

3. All administrative and logistic expenses on account of Grid Study Committee will be borne by the Central Transmission Utility, i.e. Power Grid Corporation of India Limited.

Yours faithfully



(Ajay Joshi)

Under Secretary to the Govt. of India

Telefax:011-23730264

To

1. CMD, PGCIL
2. Chairman & all Members of the Grid Study Committee
3. Chairperson, CEA
4. Member (GO&D), CEA
5. CEO, POSOCO
- ✓ 6. NIC for updating the website

Copy for information:

1. PPS to Secretary (P)/Sr.PPS to AS(DC)/ PPS to JS (Trans)/PPS to Director(PG), MoP, Shram Shakti Bhawan, New Delhi.