

केन्द्रीय विद्युत प्राधिकरण
प्रणाली योजना एवं परियोजना मूल्यांकन प्रभाग
सेवा भवन, रामकृष्ण पुरम्,
नई दिल्ली 110 066

सं० 66/5/99/प्र.यो.एवं प.मू./344

दिनांक 31.12.2002

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4. निदेशक(वा)
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5. मुख्य अभियन्ता(सी.पी एवं ई.डी),
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गंगटोक, सिक्किम.
7. कार्यकारी निदेशक(इंजिनियरिंग),
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कटवारिया सराय. नई दिल्ली.
8. कार्यकारी निदेशक(इंजिनियरिंग)
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परिसर, ए-8, क्षेत्र 24, नोएडा.
9. सदस्य(तकनीकी), जे.एस.ई.बी,
दोरन्दा, रांची-834002.
10. कार्यकारी निदेशक(डिजाइन बी.एंड.एम)
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विषय: भुवनेश्वर में दिनांक 16.12.2002 को की गई पूर्वी क्षेत्र की विद्युत प्रणाली आयोजना की स्थाई समिति की बैठक.

महोदय,

भुवनेश्वर में दिनांक 16.12.02 को हुई पूर्वी क्षेत्र की विद्युत प्रणाली आयोजना की स्थाई समिति की बैठक की कार्यवृत्ति की एक प्रति संलग्न है.
कृपया पत्र की पावती दें.

संलग्नक: यथोपरि

सी/हिन्दी पत्र

AGM (SEF)
DGM (SEF)
Pishoy faisam

27/1/03

रमेश कुमार
(रमेश कुमार) 31/12/02
उपनिदेशक

31/12/02

पंजाब
4/1/2003

Summary record of discussions of the meeting of the Standing Committee to discuss the issues relating to Power System Planning in Eastern Region held on 16.12.02 at Bhubaneswar

The list of participants is at annex.

Shri V. Ramakrishna, Chief Engineer (SP&PA), CEA welcomed the participants to the Standing Committee meeting of the Eastern Region. He stated that the last Standing Committee meeting was held in Sept 2000 and thereafter the Standing Committee could not meet as there was no substantive agenda. However, continuous interaction was taking place with the constituents with reference to the evacuation of power from Tala HEP. He informed that it was understood that a few issues already settled with reference to Tala transmission system were again raised recently. He pointed out that in view of the tight schedule of implementation of Tala project, it was essential to take up the early implementation of the initial evacuation system designed and finalised and accordingly POWERGRID had already gone ahead for obtaining requisite approvals. He pointed out that, unless very essential, any suggestion of modification in the basic scheme already finalized needed to be avoided. He mentioned that, however if any further doubts arose with regard to the efficacy of the scheme, the same would be clarified. Thereafter, the agenda items were taken up.

1. Evacuation system for Sagardighi TPP (WBPDCCL)

Chief Engineer, CEA informed that West Bengal Power Development Corporation Ltd (WBPDCCL) had proposed construction of coal based Sagardighi power project in West Bengal in three stages. Sagardighi TPP- Stage-I (2x250 MW) to be commissioned by the end of 10th Plan (2006-07), Sagardighi TPP- Stage II (2x250 MW) to materialize by the end of 10th Plan or early 11th Plan, and the schedule for Sagardighi TPP- Stage III (4x250 MW) was not certain as it depended upon availability of gas and power scenario in the region. = ? coal

He informed that with a view to utilizing the existing transmission system for evacuation of power from Sagardighi TPP Stage I, it was proposed to LILO the existing Farakka-Jeerat 400 kV S/C and the proposed Farakka-Subhasgram 400 kV S/C at Sagardighi. He added that as the 400 kV Farakka transmission lines were owned by Central Sector, it was essential to obtain the concurrence of the constituents of the Region for finalising the proposal. He further observed that apart from Sagardighi project other Projects were also coming up in West Bengal. Therefore, in view of the surplus scenario prevailing in the Region it was very essential that West Bengal assessed their peak and off-peak surpluses during various seasons which might arise on account of the proposed capacity addition projects during 10th plan period, so that timely action for planning and implementation of inter-regional transmission system from Eastern Region could be undertaken and power did not remain bottled up in the Eastern Region.

Shri R.N. Nayak, ED (Engg.), POWERGRID stated that West Bengal had three major projects coming up in the 10th Plan and it was of utmost necessity that transmission system for evacuation of power from the Eastern Region was planned and designed keeping long term perspective in mind. He stated that there were apprehensions that West Bengal would not be able to absorb the entire power proposed to be generated from their new plants and therefore, if power was to be exported from West Bengal the transmission system had to be planned and designed appropriately and in time.

- finalisation of methodology for cost sharing for such strengthening , the strengthening of lines , as stated above, would be undertaken.
- (iii) WBSEB would realistically assess the peak and off-peak surpluses likely to take place during the 10th Plan period for various scenarios of development in West Bengal so that transmission system for evacuation of such surplus power could be identified and further action could be initiated in that regard. WBSEB would forward the details to CEA by Jan 2003.
 - (iv) DVC would furnish to CEA the beneficiaries of surplus power of DVC through PTC, who had been assigned the task of exporting the DVC power out of their Region so that the requirement of evacuation of DVC power could also be identified while designing composite evacuation system from the Eastern Region.
 - (v) WBPDCCL would coordinate with POWERGRID for installation of matching PLCC and protection equipment at both ends of the proposed LILO.

2. Evacuation system for Teesta HEP stage V

C.E., CEA informed that NHPC had proposed implementation of Teesta HEP Stage V in Sikkim and the project was scheduled to be commissioned by Dec 2006 and States of Bihar, Jharkhand, Sikkim, Orissa and West Bengal had conveyed their consent for taking power from the project as per the decisions taken in 103rd EREB meeting. He intimated that transmission system for immediate evacuation of power from Teesta Stage-V would be 400 kV, 2xS/C lines from Teesta Stage-V to Siliguri 400/220 kV Substation of POWERGRID and from Siliguri onwards power would flow to the various beneficiaries over the already approved transmission system under Tala HEP and some system augmentation at 220 kV and lower voltages might be required in the existing system. Shri B.K. Mohanty, Sr.G.M., GRIDCO enquired about the formula for the allocation of power from this plant. C.E., C.E.A informed that the allocation had been assumed to be as per the existing allocation formula of power from Central Sector Stations for design of transmission system. He added that based on studies carried out in CEA, which were enclosed in the agenda, it came out that 400/220 kV transformation capacity at Jeypore and Kalabadia needed to be augmented by 1x315 MVA by POWERGRID.

GM, NHPC informed that various works of the projects were proceeding as per the schedule. DGM, POWERGRID intimated that there might be some space constraint at Jeypore substation. EE, EREB intimated that 3rd transformer at Jeypore might not be required. Shri B.K. Mohanty, Sr.G.M., GRIDCO also opined that the 3rd transformer at Jeypore was not required.

Issue of circuit configuration from Teesta to Siliguri came up for discussion and it was decided that whether two S/Cs or one D/C was required would depend upon right-of-way available. It was also decided that the proposal for 3rd transformer at Jeypore might be deleted. Regarding augmentation of 400/220 kV ICT at Kalabadia by 1x315 MVA and strengthening of network, Sr.G.M., Gridco stated that 2nd outlet to Balasore 220kV S/S might be required. E.E, EREB, stated that EREB had proposed that the work could be done by POWERGRID or Gridco. ED (Engg), POWERGRID stated that WBSEB had

Generation Project. He intimated that this was being brought to the notice of West Bengal for their information.

5.Implementation of Transmission System associated with Tala HEP.

C.E,CEA informed that Powergrid vide their letter No.C/ENG/E/SEF/00/PLG dated 12.12.2002 had intimated that in the TCC/EREB meeting held on 26/27th Nov 2002 it was resolved to refer the issue of LILO of remaining circuit of Bongaigaon -Malda 400 kV D/C line at Siliguri and Purnea to standing committee as the same might not be required .ED, POWERGRID intimated that the core transmission system associated with Tala HEP had earlier been agreed to and POWERGRID had accordingly had gone ahead with various activities in that regard and stated that LILO arrangements as envisaged would benefit the Region in the long run. C.E, CEA informed that the proposal of associated transmission system for Tala HEP covered the LILO of remaining circuit of 400kV Bongaigaon-Malda at Siliguri and Purnea. He added that this issue was discussed in the Standing Committee meeting held on 26.9.00 and no objections were raised by any constituent for the proposal. Accordingly the proposal was accorded techno-economic clearance of CEA and the approval of PIB for the Tala transmission system had already been accorded. Therefore, it was not appropriate to ask for the changes at this stage and he requested that this might be brought to notice of EREB for reconsideration of their decision.

He also requested that with respect to any matter regarding design of transmission system, it would be appropriate if the matter was referred to CEA for its opinion before any decision was taken in the EREB forum. In view of the above, the scope of Tala transmission system in connection with LILO of remaining circuit of Bongaigaon-Malda 400 kV line at Siliguri-Purnea was agreed to be retained.