

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)



केन्द्रीय कार्यालय : "सौदामिनी" प्लॉट सं. 2, सेक्टर-29, गुडगाँव-122 001, हरियाणा
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संदर्भ संख्या / Ref. No.

C/ENG/E/00/SEF/OA

Date: 10.11.2010

To,

As per list enclosed

Sub: Minutes of meeting of 1st Joint Coordination Meeting for High Capacity Transmission Corridors in Eastern Region for IPPs in Orissa, Jharkhand and Sikkim held on 20-10-2010 at POWERGRID Office, Gurgaon.

Dear Sir,

Please find the enclosed the minutes of 1st Joint Coordination Meeting held on 20-10-2010 at POWERGRID Office, Gurgaon regarding High Capacity Transmission Corridors in Eastern Region for IPPs in Orissa, Jharkhand and Sikkim.

Thanking you,

Yours faithfully,

(Y. K. Sehgal)

Executive Director(SEF, CE & IT)

Shri Ravinder
Chief Engineer(SP & PA)
Central Electricity Authority
Sewa Bhawan, R.K.Puram
New Delhi-110 066.

Orissa IPPs

<p>Mr. Umesh Mehta (VP Vedanta Aluminium Ltd. 1st Floor, City Mart Complex Baramunda Bhubaneswar-751003 Ph : 0674-6610300 Fax : 06742354221</p>	<p>Shri Punit Gupta Director Jindal India Thermal Power Ltd. B-1, Local Shopping Complex Vasant Kunj, New Delhi – 110 070 Ph : 9810155662 Fax: 011-26125739</p>
<p><u>For Navabharat Phase-I</u> Shri K.V.B Reddy Director Navabharat Power Private Ltd. 5-B/2.3rd Floor, Fortune Towers, Chandrasekharapur, Bhubaneshwar Orissa-751023</p>	<p>Shri K. V. V: Rao Director, GMR Energy Ltd. 10th Floor, C&D Block IBC Knowledge Park, Opposite Fire Station, Bannerughatta Road Bangalore – 560029 Ph : 080-40432049 Fax: 080-40432144</p>
<p>Shri Pradeep Lenka CEO & SBU Head-Thermal Lanco Babandh Power Pvt. Ltd. Lanco Infratech Limited Plot No. 229, Phase-I, Floor-1 Udyog Vihar, Gurgaon-122 016 Ph : 0124-4691101 Fax : 0124-4691112</p>	<p>Shri K. L. Khurana President – Power Monnet Ispat & Energy Limited Mohta Building, 3rd Floor 4, Bhikaji Cama Place New Delhi – 11 00 66 Ph : 011-26715179 Fax : 011-26102567</p>
<p>Shri J.Mohapatra Director-Technical Ind-Bharat Energy (Utkal) Limited Plot No. 30-A. Road No:1, Film Nagar Jubilee Hills, Hyderabad-500 033 Ph: 040-23333459 Fax:040-23607522</p>	

Jharkhand IPPs

<p>Shri M. K. Ray Advisor (Commercial) Adhunik Power & Natural Resources Ltd. Crescent Towers (3rd Floor) 229 A J C Bose Road Kolkata-700020 Ph : 033-30515300 Fax : 033-30915344</p>	<p>Shri Arun Gupta Chief Executive Officer Corporate Power Ltd. Corporate Office – 8th & 9th Floor Mahabir Tower, Main Road Ranchi, Jharkhand – 834001 Ph : 0651-2331113 Fax : 0651-2331109</p>
<p>Shri N. Venkataraman Vice President Essar Power (Jharkhand) Ltd. A-5, Sector-3, Noida-201301 (U.P.) Ph : 0120-6626660, 6626666 Fax : 0120-6626690</p>	<p>Shri M. S. Pal Addl. Chief Engineer & In-charge of PTR WBSEDCL, Bidyut Bhawan, 7th Floor, B-Block. DJ-Block, Sector-II, Salt Lake City Kolkata 700 091</p>

Sikkim IPPs

<p><u>For Teesta-III (1200 MW) Project</u> Shri S. S. Sharma Executive Vice President PTC India Limited, 2nd Floor; NBCC Tower, 15 Bhikaji Cama Place New Delhi – 11 00 66 Ph : 011-41659136, Fax : 011-41659126/145</p>	<p><u>For Teesta-VI (500 MW) Project</u> R.Sri Nagesh Lanco Energy Pvt. Ltd. Plot No:397,Udyog Vihar Phase-III,Gurgaon-122016 Ph : 0124-4741000/01/02/03 Extn.1305 Direct No: 01244741305 Mobile:9810571433 Fax:0124-4741379</p>
<p><u>For Rangit-IV (120 MW) Project</u> Shri M. K. Sharma Chief Executive Officer Jal Power Corporation Limited 405-406, Raja House 30-31, Nehru Place New Delhi – 11 00 19 Ph : 011-26442847-48, Fax : 011-26442849</p>	<p><u>For Rongnichu(96 MW) Project</u> Dr. B. M. Goswami Chief Executive Officer Madhya Bharat Power Corporation Ltd. E-585, Greater Kailash part-II New Delhi-110048</p>
<p><u>For Rongnichu(96 MW) Project</u> Dr. B. M. Goswami Chief Executive Officer Madhya Bharat Power Corporation Ltd. Daragaon, Tadong Near Sikkim Computers Gangtok – 737102 Ph : 03592-231771, 320519, 09891643501 Fax : 03592-231771</p>	<p><u>For Bhasmey Project</u> Shri A K Banka Head Infrastructure Gati Bhasmey Power Pvt. Ltd. 268, Udyog Vihar Phase IV Gurgaon 122 016</p>
<p><u>For Chuzachen (99 MW) Project</u> Shri A K Banka Head Infrastructure Gati Infrastructure Ltd. 268, Udyog Vihar Phase IV Gurgaon 122 016</p>	<p><u>For Jorethang (96 MW) Project</u> Shri Y. Nagendra Rao Director, Dans Energy Pvt. Ltd 5th Floor, DLF Building No. 8 Tower-C, DLF Cyber City, Phase-II Gurgaon – 122002 Ph : 0124-4696300, Fax : 0124-4696311</p>

Copy also to:

ED (ER-I), ED (ER-II), ED(Comml.),GM(Engg-S/s & T/L), GM(CMG),GM(ERLDC),
AGM(Comml.)-Shri Prashant Sharma, DGM(Engg-S/s)-Shri A.P.Gangadharan.

Minutes of the 1st Co-ordination Committee Meeting of IPPs granted LTOA in Eastern Region (High Capacity Power Transmission Corridors – I, II & III) held at POWERGRID office, Gurgaon on 20.10.2010

List of participants is enclosed at **Annexure-1**.

At the outset, ED(SEF,CE,IT), POWERGRID welcomed all the participants and explained that objective of the meeting is to periodically review the progress of the generation projects for which high capacity transmission corridors have been planned. He also informed that as mentioned in the BPTA signed in Feb 2010 as well as the approval granted by CERC to POWERGRID in May 2010 for implementation of the high capacity corridors, POWERGRID has to implement the transmission scheme in phased manner keeping in view the progress of generation projects. He also stated that the status will be reviewed in every quarter and shall be reported to CERC. Thereafter, he requested Chief Engineer (SP&PA), CEA to chair the meeting

A short presentation was made by POWERGRID to highlight the status as of today. Further, ED(SEF,CE,IT), POWERGRID informed that as per the IEGC regulations, all the generation developers required to sign a connection agreement with CTU. He therefore requested that all developers to submit details as per "Format-Con-4" of "Detailed Procedure of CTU on grant of Connectivity, Long Term Access & Medium Term Open Access" for signing of connection agreement with POWERGRID to facilitate interconnection with ISTS grid sub-stations. He also clarified that interim arrangement proposed is to enable immediate connectivity with the grid for start up and testing purpose and not for evacuation of power on long term basis.

Chief Engineer, CEA reviewed project-wise status for each transmission corridors starting from IPPs in Orissa. The deliberations of the same are as below:

High Capacity Transmission Corridor for evacuation of power from IPPs in Orissa (HCPTC-I)

1. Sterlite (IC : 2400 MW, LTOA : 400 MW)

The representative informed that 1st unit has already been synchronized in Aug 2010. The second unit is expected by Jan, 2010 and subsequent units at three

months interval. Construction of dedicated transmission system for interim arrangement through LILO of one circuit of Rourkela-Raigarh 400 kV D/c line is under progress and shall be completed by Nov, 2010. He also informed that application for signing of connection agreement has been submitted to POWERGRID. POWERGRID informed that the same is under process and intimation for signing shall be sent to Sterlite at ^{the} earliest.

Chief Engineer, CEA enquired about the status of captive demand of smelters to be supplied from this project. Sterlite informed that in absence of captive load, this generation project is now expected to be merchant type of project. Chief Engineer, CEA clarified that the transmission corridor has been developed based on the LTOA of 400 MW granted to Sterlite and does not have adequate capacity to evacuate any additional power. He requested sterlite to furnish details of implementation of Power Management System (PMS) and ensure that power injection into the regional grid is limited to 400MW only. He also desired to know the details of the arrangements being made by Sterlite for evacuation of balance quantum of power. He also advised POWERGRID that while signing the connection agreement, a condition should be put in to keep the PMS in service and if required that same may be taken out of service only after receiving such permission from ERLDC.

2. GMR (IC : 1050 MW, LTOA : 800 MW)

The representative informed that the land has been acquired, fuel linkage has been received for two units, boiler foundation has been completed, boiler erection is under progress and chimney foundation has been completed. Boiler drum lifting is scheduled in Feb-2011 and revised target of commissioning of first unit is Jan-2012. Survey works for dedicated transmission system has been completed and the line is ready for award.

Chief Engineer, CEA opined that these dates do not seem to be credible and as per the present progress the revised commissioning schedule may not be earlier than October, 2012.

POWERGRID clarified that GMR has applied for connectivity of its 4th unit of 350MW and they have been advised to implement the dedicated transmission system with high capacity conductor like triple bundle configuration.

3. Navabharat Phase-I (IC : 1050 MW, LTOA : 720 MW)

This project is now being developed by Essar Power Ltd. The representative informed that land acquisition is under advance stage and the land is expected to be under possession by Dec-2010. The orders for equipment have already been placed. Chief Engineer, CEA requested for realistic commissioning schedule. The representative informed that the revised schedule shall be intimated shortly.

POWERGRID clarified that the developer has also applied for phase-II of the project and they have been advised to construct the dedicated system of Navbharat Phase-I TPS with higher capacity (like quad-conductor) line.

4. Monnet (IC : 1050 MW, LTOA : 900 MW)

The project is under advance stage. MOEF clearance has been received in June 2010. All land has been acquired. Boiler foundation works have started. The revised commissioning schedule is July, 2012 for 1st unit and Oct, 2012 for 2nd unit. Survey for dedicated line has been completed and works would be awarded shortly.

The developer requested to identify a suitable interim arrangement for enabling immediate connectivity with the grid as done in case of other four generation projects. After discussion, it was decided that a separate meeting of generation developer, POWERGRID and OPTCL will be convened in CEA to evolve a suitable arrangement.

5. Jindal India Thermal (IC : 1200 MW, LTOA : 1044 MW)

All land has been acquired, boiler foundation completed, boiler drum to reach the site within October-2010, boundary wall has been completed, chimney works have started and TG foundation is under progress. The 1st unit shall be commissioned in March 2012. The dedicated transmission system has already been awarded to Gammon India.

Chief Engineer, CEA stated that these targets appear very ambitious and therefore not credible.

6. Lanco Babandh (IC : 2640 MW, LTOA : 1600 MW)

The land for main plant has been acquired, section-4 is going on for ash-dyke land , MOEF clearance has been received in Feb 2010. The stage-I forest clearance is received and stage-II clearance is awaited. The financial closure has been done in July, 2010 and works at project site have started. The commissioning schedule has been preponed from Dec-2013 to June-2013, however Chief Engineer, CEA opined that Dec-2013 should be considered as the realistic schedule looking at the progress of the activities. The generation developer also informed that they have made arrangements with OPTCL for LILO of Duburi-Meramundli 400 kV D/c line at their project and the same shall be utilized for start up and testing purpose.

7. Ind Barath (IC : 700 MW, LTOA : 616 MW)

The site leveling has been done, boiler foundation has been completed, TG building is under progress and coal handling works are going to start soon. The commissioning schedule has been revised from Dec-2011 to March-2012. The survey for LILO works has been completed. POWERGRID advised the developer to apply for section 68 for construction of dedicated transmission system.

ED(SEF,CE,IT),POWERGRID stated that the corridor is being developed as per the application received from developer. However, it may be noted that there is substantial gap between the installed capacity of these projects and the quantum of power for which LTOA has been granted. It was indicated earlier by GRIDCO that they shall be absorbing upto about 35% from the total installed capacity of the project. Towards this, CEA and POWERGRID had repeatedly requested GRIDCO to apply for Long term access as done by other states like Chattisgarh. Chief Engineer, CEA mentioned that as per a projection given by GRIDCO they are inclined to absorb power from these projects. Towards this, ED(SEF,CE,IT),POWERGRID requested Chief Engineer, CEA to call a meeting to discuss the matter with Orissa.

High Capacity Transmission Corridor for evacuation of power from IPPs in Jharkhand (HCPTC-II)

1. Essar (IC : 1200 MW, LTOA : 1100 MW)

The land is in possession, boundary wall construction has started, environmental clearance has been received for all three units. The developer indicated the commissioning schedule as March 2013, however, Chief Engineer, CEA stated that it may not be earlier than Dec 2013.

2. Adhunik (IC : 540 MW, LTOA : 450 MW)

No representative was present in the meeting. However the information furnished by the generation developer indicate that all land is in possession main plant ordered on BHEL, balance of plant package is under advanced stage of execution and project is expected to be commissioned in Jan 2012 (1st unit) and March 2012(2nd unit). The coal linkage approval is received for both units. Environment and forest clearance is received for 1st unit and is under progress for unit 2.

Chief Engineer, CEA mentioned that Adhunik is assisting POWERGRID to get the encroachment removed from the land of Jamshedpur substation. POWERGRID stated that availability of part of land may not be adequate enough and Adhunik should make all efforts to acquire total encroached land, otherwise, expansion by planning of additional system may not be feasible and therefore termination at other sub-station like Chaibasa may have to be looked into.

3. Corporate (IC : 540 MW, LTOA : 480 MW)

The land acquisition is under progress, environmental clearance has been obtained, there is no forest involvement and coal linkage has been applied. Chief Engineer, CEA stated that as there is no firm commitment of coal, assessing the commissioning schedule may not be feasible. The representative further stated that they have been allocated a captive coal mine, which may also be utilized for supplying fuel to this project. He was advised to furnish the exact details of fuel arrangement through a letter, at earliest. The developer however stated that the commissioning schedule is Sept 2013.

Here, it is to mention that 1000 MW from state sector generation of West Bengal is also to be evacuated utilizing this corridor. In this regard, AGM(Comml),POWERGRID informed that WBSEDCL has conveyed their Board's approval of BPTA and accordingly the same is likely to be signed shortly.

High Capacity Transmission Corridor for evacuation of power from IPPs in Sikkim (HCPTC-III)

1. Teesta-III (IC : 1200 MW, LTOA : 1200 MW)

The commissioning schedule has been revised from Aug 2011 to Dec 2011. The Teesta III – Kishanganj 400 kV D/c (quad) line is expected to be completed by Oct 2012 (March 12 on Best Effort Basis). Chief Engineer, CEA informed that interim arrangement through LLO of one circuit of Teesta-V – Siliguri 400kV D/c at Teesta-III HEP has been approved.

2. Teesta-VI (IC : 500 MW, LTOA : 500 MW)

No representative was present in the meeting. Chief Engineer, CEA stated that CWC has earlier advised Teesta VI to stop the work due to safety reasons. He advised POWERGRID to ask the developer to indicate the present status of works and the completion schedule.

3. Jorethang (IC : 96 MW, LTOA : 96 MW)

All necessary clearances have been received. The commissioning schedule is in June 2012.

4. Rangit-IV (IC : 120 MW, LTOA : 120 MW)

All necessary clearances have been received. The commissioning schedule is in June 2013.

Chief Engineer, CEA pointed out that the evacuation of power from Jorethang and Rangit-IV is through a 220 kV D/c line from one project which is being looped in and looped out another. He advised that in view of complexities involved in metering and billing, it is better that both the developer construct independent dedicated lines upto New Melli for pooling of power. Accordingly, he advised POWERGRID to keep bay space at New Melli sub-station for termination of separate 220kV D/c lines from Jorethang and Rangit-IV HEPs.

5. Rongnichu (IC : 96 MW, LTOA : 96 MW)

No representative was present.

6. Chuzachen (IC : 99 MW, LTOA : 99 MW)

The project commissioning is revised from Sept 2010 to March 2011. AGM(Comm), POWERGRID informed that the project developer has not submitted the requisite Bank Guarantee of Rs 49.5 crore for construction period. It was emphasized that furnishing of Bank Guarantee is urgently required in order to fulfill various conditions stipulated in the BPTA and to facilitate execution of associated transmission network.

The representative of Gati appreciated the concern of POWERGRID and assured that the Bank Guarantee shall be furnished immediately.

7. Bhasmey (IC : 51 MW, LTOA : 51 MW)

All land for project is acquired and project is scheduled for commissioning by June, 2012.

Chief Engineer, CEA clarified that the dedicated system for Chuzachen and Bhasmey HEPs shall be through separate 132 kV D/c lines to Rangpo.

The meeting ended with vote of thanks to the chair.

Annexure-1

List of Participants

NAME	DESIGNATION	ORGANIZATION
Shri Ravinder	Chief Engineer	CEA
Shri Y K Sehgal	ED(SEF,CE & IT)	POWERGRID
Shri Arun Kumar	ED(comm.)	POWERGRID
Shri Anil Jain	GM(CMG)	POWERGRID
Shri Avinash M Pavgi	AGM(Engg-SEF)	POWERGRID
Shri Prashant Sharma	AGM(Comm.)	POWERGRID
Shri P.R Pati	DGM(CMG)	POWERGRID
Shri A.P Gangadharan	DGM(Engg-S/s)	POWERGRID
Shri Ramchandra	CM(Engg-SEF)	POWERGRID
Smt. Punam	Manager(CMG)	POWERGRID
Shri Pankaj Khurana	DCDE(Engg-S/s)	POWERGRID
Smt. Archana Pandey	SDE(Engg-S/s)	POWERGRID
Shri Nageswara Rao	Engineer(Engg-SEF)	POWERGRID
N.C Goel	VP(E&M)	DANS Energy
S.J Bhujade	VP	ESSAR Power
Shyam Gupta	Sr. Manager	ESSAR Power
N.C Dash	Advisor(Power)	Ind-Bharat Energy
R.S.Chada	Sr. Vice President	JPCL
K. K Sethi	Manager	JPCL
Dr. J.K.Soni	AVP	Sterlite Energy
Kalyanram Udathu	Asst. Manager	GMR Energy
B.L Prasad	GM(E)	GMR Energy
A.Rajagopalan	Consultant Head (C&P)	Gati Infrastructure
S.S Sharma	Ex.VP	PTC
A.K Tripathi	A.VP	Monnet Power
Debasis Rath	GM(Projects)	Lanco Babandh
Devesh Gautam	Asst. Manager	Gati Infrastructure
Som Datt Bhardwaj	AGM(CA)	Corporate Power
Amit Roy	Asst. Manager(C&I)	Corporate Power
K.V Srinivas	A.VP	Jindal India Thermal
Keshaw Bhatt	Engineer	Jindal India Thermal