

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.

Ref: C/SEFW/LTOA/

केन्द्रीय कार्यालय / CORPORATE CENTRE  
Date: 06.10.2010

To

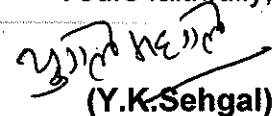
**The Secretary**  
Central Electricity Regulatory Commission  
3<sup>rd</sup> & 4<sup>th</sup> Floor, Chenderlok Building  
36, Janpath  
New Delhi-110 001

**Sub:- Report of the 1<sup>st</sup> Co-ordination Committee Meeting of IPPs granted LTOA  
in WR**

Dear Sir,

This has reference to the CERC order dated 31.05.10 granting regulatory approval and other relieves for execution of evacuation systems required in connection with grant of Long Term Open Access to a group of Developers. In this regard please find attached report on the 1<sup>st</sup> Co-ordination Committee Meeting of IPPs granted LTOA in WR indicating the progress of generation projects and transmission system pertaining to High Capacity Transmission corridor IV and V.

Yours faithfully,

  
(Y.K. Sehgal)

Executive Director (SEF, CE&IT)

Copy to :

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

ED(Commercial)/ED(WR-I&II)/GM(CMG)/GM(Proj)-WRTS-I/GM(Proj)-WRTS-II

## List of Addressees

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**SKS Power Generation (Chhattisgarh) Ltd**  
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**Korba West Power Co Ltd**  
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M.G.Road,  
Gurgaon-122002
6. Mr. Girish Agarwaal, Director  
**DB Power Limited**  
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New Udyog Mandir-2, Mahim (West)  
Mumbai-400016
7. Mr.V.Lakshmipathi  
**KSK Mahanadi Power Company Ltd.**  
8-2/293/82/A/431/A, Road No 22  
Jubilee Hills, Hyderabad-500 033
8. Mr.D.K.Patel, AGM  
**Bharat Aluminum Company Ltd**  
**COSMOS Office**  
Balco Nagar, Korba-495450 CG
9. Mr.Vinod Agrawal, Director  
**Vandana Vidhyut Ltd**  
Vandana Bhawan,  
M.G.Road, Raipur, Chhattisgarh
10. Mr.M.R.Krishna Rao, VP (Commercial)  
**Lanco Amarkantak Power Pvt Ltd.**  
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11. Mr. Alok Choudhari, Director  
**Chhattisgarh Steel & Power Ltd**  
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G.E Road, Raipur, Chhattisgarh

12. Sh.Satya Naryana Sunkari  
GM(Transmission)  
**GMR ENERGY LIMITED**  
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13. Sh.Gautam Kumtakar  
Sr.Mgr(Power)  
**VISA POWER LIMITED**  
HUL Building, 2nd Floor, 9, Shakespeare Sarani,  
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14. Sh. A.K.Garg  
Chief Engineer  
**Chhattisgarh State Power Trading Co. Ltd.**  
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**CHHATTISHGARH (BILASPUR) + MP**

1. The CEO-Power Business  
**Maruti Clean Coal & Power Ltd.**  
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2. The Director-in-charge  
**Jaiprakash Power Ventures Ltd.**  
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3. Sh.H.M.Jain, Vice President (Power)  
**Aryan MP Power Generation Pvt.Ltd.**  
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4. Sh.Biswajit Das, GM  
**Dheeru Powergen Pvt. Ltd.**  
2<sup>ND</sup> Floor, Capital Court  
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New Delhi - 110067
5. The Director  
**Bina Power Supply Company Ltd**  
Sector-128, Distt- Gautam Budh Nagar,  
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**Copy to:**

1. Sh. H.M Jain  
Vice President (Power)  
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7th floor, Ambience Corporate tower,  
Ambience Mall,NH-8, Gurgaon,Haryana-122001

**Report of the 1<sup>st</sup> Co-ordination Committee Meeting of IPPs  
granted LTOA in WR  
(High Capacity Power Transmission Corridors – IV & V)**

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1. The 1<sup>st</sup> meeting of the Co-ordination Committee of IPPs in Chhattisgarh complex as well as Chhattisgarh (Bilaspur) & MP complex in WR was held in POWERGRID office on 24<sup>th</sup> Sept, 2010. The meeting was attended by the CEA and representatives of IPPs granted LTOA in the above complexes. The list of participants of the meeting is enclosed at **Annexure-1**.
2. POWERGRID informed that all the developers shall have 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 the ISTS grid substation.
3. **Chhattisgarh Complex** – 15 nos of following IPPs has been granted LTOA in the Chhattisgarh complex. Out of these, only M/s TRN Energy is pending to sign BPTA (LTOA granted recently), whereas BG is to be furnished by Chhattisgarh Steel & Power & M/s TRN Energy both as per the CERC regulations. List of IPPs in Chhattisgarh Complex is enclosed at **Annexure-2**.

The review of the progress made by each of the LTA customer in Chhattisgarh Complex is as under:

**(i) RKM Powergen (4x360 MW)**

- Representative of M/s RKM submitted status report as per which they already have 734.5 acres land against requirement of 900 acres, fuel linkage, environmental clearance, EPC awarded etc
- Further, site activities related to the projects are progressing well, however revised commission schedule is U#1 - Dec'11 onwards (as against U#1 - Jun'11 as per BPTA).
- In the meeting, it emerged that as BOP related activities for project have not started yet therefore schedule of Dec'11 looks too optimistic and project may delay further.

**(ii) Athena Chhattisgarh (2x600 MW)**

- Representative of M/s Athena Chhattisgarh were asked about the land status and it was informed that only 15% land is in their possession.

However, they have achieved other milestones like fuel linkage (for 1 unit), Environmental Clearance, placement of EPC award etc.

- As per the BPTA, commissioning schedule for U#1 is Jun'13.
- In the meeting, it emerged that as major portion of the land is yet to be acquired by the developers, therefore commissioning schedule of the project may be delayed.

**(iii) Jindal Power Ltd (4x600 MW)**

- Representative of M/s JPL submitted status report as per which they have acquired 129 Ha land against requirement of 456 Ha and obtained fuel linkage for two units out of total 4 units. For the balance 2 units, the same is expected to be taken up in the next coal linkage committee meeting. However, Environmental clearance (EC) is yet to be obtained after which site work is to be commenced. Environmental clearance (EC) is being taken up by the expert appraisal committee of MOEF.
- Representative of JPL informed that balance land is identified for further acquisition.
- As per the BPTA, commissioning schedule for U#1 is Mar'12, however looking into the recent developments, it emerged that project may get delayed.

**(iv) Jindal Power Ltd (400 MW)**

- Representative of JPL informed that out of 400 MW LTOA, 225 MW injection is from Dongamahua CPP (JSPL)[4x135 MW] and balance 175 MW power is from 2x250 MW Tamnar(JPL) TPS.
- It was informed that Dongamahua CPP 1st unit is already commissioned and put to captive use of JSPL and 2<sup>nd</sup> unit will be taken for trial operation during October'10 and likely to be stabilized by December'2010. However, Environmental clearance is awaited for balance 2x135 MW units.
- For 175 MW power out of total 400 MW, 4x250 MW Tamnar TPS is existing.

**(v) SKS Power Generation (Ch) Ltd (2x600 MW)**

- Representative of SKS informed that out of total land requirement about 65% land has been acquired, however they have fuel linkage, Environmental clearance and EPC contract award is already placed.
- In the meeting, it emerged that M/s SKS has not progressed on land acquisition front and schedule of Dec'12 looks too optimistic for the project commissioning.

**(vi) Korba West Power Co. Ltd (1x600 MW)**

- Representative of M/s Korba West informed that their project is progressing well as per schedule. It was also informed that out of total land requirement about 89% land has been acquired and they have fuel linkage, Environmental clearance and already placed EPC contract award. Developer also informed that site related activities are on fast track and shall commission the generation project by Nov'12.
- M/s Korba West requested that in view of its project progress, interim transmission connection arrangement may be provided as pooling station may not come up matching with the generation project commissioning schedule.

**(vii) DB Power Ltd (2x600 MW)**

- Representative of M/s DB Power submitted progress report for their generation project. It was informed that major portion of land required for the project is under possession, environmental clearance is available, BTG package has been awarded, fuel linkage has been tied-up. In view of the project progress, DB power indicated that they shall be able to commission the generation project by Aug'13.
- M/s DB Power also informed that they are also planning expansion with 3<sup>rd</sup> unit (1x600 MW) in above complex. In view of the severe ROW problems in Raigarh complex, it was advised that they should plan their dedicated connectivity with higher capacity conductor like Quad Moose etc. as earlier connectivity has been planned considering 1200 MW capacity. However for this additional capacity, M/s DB power will have to apply for Long Term Access (LTA) separately.

**(viii) Visa Power Ltd (2x600 MW)**

- Representative of M/s Visa Power informed that about 60% of land is available however Environmental clearance is yet to be obtained.
- M/s Visa Power also requested to revise their commissioning schedule to Oct'13 from earlier indicated Jan'13 schedule.

**(ix) TRN Energy Pvt Ltd (2x300 MW)**

- Representative of M/s TRN Energy informed that about 30% of land is acquired and environmental clearance is yet to be obtained. However, Fuel linkage for both the units is available. M/s TRN also informed that their commissioning schedule may be considered as Dec'13 from earlier indicated Jul'12.
- In the meeting, it emerged that as other key milestones are yet to be achieved by the developer, commissioning schedule looks uncertain for the time being.
- POWERGRID also requested developer to sign the BPTA and submit BG at the earliest.

**(x) KSK Mahanadi Power Co. Ltd (6x600 MW)**

- Representative of M/s KSK informed that their project is progressing well as per schedule. It was also informed that out of total land requirement about 86% land has been acquired and they have obtained fuel linkage, Environmental clearance and placed EPC contract award. Developer also informed that site related activities are on fast track.
- M/s KSK also informed that they have recently signed PPA for 1010 MW with GUVNL.
- As per the BPTA, commissioning schedule for U#1 is Feb'12. In this regard M/s KSK informed that they shall be able to match the schedule.

**(xi) Bharat Aluminium Co. Ltd (4x300 MW)**

- Representative of M/s BALCO informed that their project is progressing well as per the schedule.

- It was also informed that they have obtained fuel linkage for 2 units i.e. 600 MW and other requisite clearances have already been obtained. BALCO informed that they are planning to commission generation progressively from Dec'10.

**(xii) Vandana Vidyut Ltd (2x135+1x270 MW)**

- Representative of M/s Vandana Vidyut could not attend the meeting however submitted progress report for their generation project by e-mail.
- As per the progress report, site related activities are on track. Main Plant/BOP has been awarded and its work is progressing well.
- As per the BPTA, commissioning schedule of the project is progressively from Jan'12.

**(xiii) Lanco Amarkantak Power Pvt Ltd (2x660 MW)**

- Representative of M/s Lanco informed that above project is an expansion of Pathadi U-1/2 (600 MW) project and land is in possession for the main plant. It was further informed that major milestones like environmental clearance is available, BTG package has been awarded, fuel linkage has been tied-up.
- In a reply to query, M/s Lanco confirmed that there shall be a bus coupler arrangement available between U1/2 and U3/4 generation switchyard.
- Site related activities for the main plant have been started, however BOP related activities are yet to start.
- M/s Lanco indicated that as per the BPTA, commissioning schedule for U#1 is Jan'12 and they shall be able to come up in that time frame.

**(xiv) Chhattisgarh Steel & Power Ltd (1x35+1x250 MW)**

- M/s CSPL did not submit the project progress report, however informed that they have about 40% land is in possession, awaiting Environmental clearance and yet to place EPC award etc.

- CSPL representative indicated Jun'13 as generation commissioning schedule for 250 MW unit, however 35 MW unit is existing and connected to Chhattisgarh STU network.
- In the meeting, it emerged that as key millstones are not yet achieved commissioning schedule looks uncertain for the time being.

**(xv) GMR Chhattisgarh Energy Pvt Ltd (2x685 MW)**

- Representative of M/s GMR informed that land for the project is in possession and main plant award is already placed. However, Environmental clearance is awaited & yet to obtain the fuel linkage.
- In the meeting, it emerged that as key millstones are not yet achieved, commissioning schedule of Aug'13 looks too optimistic.

Chief Engineer (SP&PA), CEA advised that looking into the progress of Generation projects in Raigarh (near Kotra), Champa complex, POWERGRID should expedite award of its Pooling stations as well development of evacuation transmission lines in above complexes. POWERGRID informed that land for Pooling stations has already been identified and acquisition work in under process. Transmission lines are also under tendering process. Developers also requested that in order to finalize route alignment, survey works etc., locations of the pooling station may be informed. On the basis of present information available, tentative location was informed in the meeting and same is also enclosed at **Annexure-2**.

POWERGRID also indicated that developer should proceed with the work on development of their dedicated transmission system matching with the generation commissioning schedule. Some of the developers informed they would need start up power at 400kV level from the interconnecting lines. POWERGRID informed that dedicated connectivity has been provided to effect evacuation/transfer of power from respective generation project, however for start up power, IPPs may tie up with the respective STU by making suitable arrangements.

POWERGRID also informed that as per the discussions held in the 30<sup>th</sup> meeting of Standing Committee on Power System Planning in WR held on 08.07.10, it was decided that the IPPs who have been provided interim transmission connection arrangement, need to provide Special Protection Scheme (SPS) integrated into their system to address transmission

constraints that may arise during certain operating conditions. Details of the SPS and its settings may be worked out by the applicants in consultation with WRLDC. Therefore in this regard, respective applicants who have been provided interim transmission connection should approach WRLDC at the earliest.

**4. Chhattisgarh (Bilaspur) & MP Complex – 5 nos of following IPPs has been granted LTOA in the Chhattisgarh (Bilaspur) & MP complex. All of the above IPPs have signed BPTA and submitted BG. List of IPPs in Chhattisgarh (Bilaspur) & MP Complex is enclosed at **Annexure-4**.**

**(i) Jaiprakash Power Ventures Ltd (2x660 MW)**

- Representative of M/s Jaiprakash Power Ventures informed that they have achieved all the major milestones like land acquisition, fuel linkage, environmental clearance etc. and their project is progressing well as per schedule.
- Site related activities for the main plant have been started however BOP related activities are yet to start. It was maintained that the project shall get commissioned progressively by May'13.

**(ii) Bina Power Supply Co. Ltd (2x250 MW)**

- Representative of M/s Bina Power informed that their project is progressing well as per schedule and all activities related to main plant as well as BOP is on fast track.
- It was indicated that their project shall get commissioned by Nov'11. In view of the short commissioning schedule of the project, status of development of dedicated transmission line was enquired. Developer clarified that there are some issues related to the transmission license for development of the short transmission line (about 5 kms) for which action are being taken by them to resolve the issue.

**(iii) Maruti Clean Coal & Power Ltd (1x300 MW)**

- Representative of Maruti Clean informed that they have obtained the environmental clearance as well as fuel linkage for the project. Considering this, it was submitted that they achieved all the major milestones for the project. However they have not placed EPC award and

same is expected in October 2010. It was indicated that their project shall get commissioned by Dec'12.

- Considering above, status of development of dedicated transmission line was enquired. However, representative of MCCPL informed that they shall revert back with the status of dedicated transmission line.

**(iv) Dheeru Powergen pvt Ltd (3x350 MW)**

- Representative of M/s Dheeru informed that about 50% of land is acquired and EPC contract is not yet awarded.
- As per the BPTA, commissioning schedule of the project is progressively from Sep'13.
- In the meeting, it emerged that as key milestones are yet to be achieved by the developer, commissioning schedule looks uncertain for the time being.

**(v) Aryan MP Power Gen. Pvt Ltd. (2x600 MW)**

- Representative of M/s Aryan MP informed that about 13% of land has been acquired, however they are yet to obtain the fuel linkage, environmental clearance etc.
- As per the BPTA, commissioning schedule of the project is progressively from Mar'14.
- In the meeting, it emerged that as key milestones are yet to be achieved by the developer, commissioning schedule looks uncertain for the time being.

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**1st Jt Coordination Committee Meeting for High Capacity Power Transmission Corridor in WR**  
**Date: 24.09.2010, Venue: POWERGRID, Gurgaon**

S. N.	NAME	DESIGNATION	ORGANIZATION	MOBILE NO./ PHONE	E-MAIL
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2	Pankaj Kumar	GM (SEF,IT & ERP)	POWERGRID		pankaj@powergridindia.com
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35	Rajiv Bhardwaj		Jaypee Group	9810060480	rajiv.bhardwaj@jalindia.co.in
36	GM Tekchandani	COO	POWERSOL (CSPL)	9827269100	cspcl@gmail.com

## Details of IPP Projects in Chhattisgarh

ANNEXURE-2

Sno	Applicant	Gen. Project Capacity (MW)	LTA (MW)
<b>RAIGARH COMPLEX</b>			
1	RKM Powergen Ltd.(4x360)	1440	819
2	Athena Chhattisgarh Power Ltd.(2x600)	1200	683
3	Jindal Power Ltd.(4x600)	2400	1400
4	Jindal Power Ltd. (225 MW from Dongamahua CPP(4x135 MW)+ 175MW from existing Tamnar TPS (4x250 MW))	400	400
5	SKS Power Gen. (Ch) Ltd.(4x300)	1200	683
6	Korba West Power Co. Ltd.(1x600)	600	240
7	DB Power Ltd.(2x600)	1200	705
8	Visa Power Ltd. (2x600)	1200	678
	TRN Energy Pvt Ltd(2x300)	600	390
	<b>sub-total</b>	<b>10240</b>	<b>5998</b>
<b>JANJGIR-CHAMPA COMPLEX</b>			
1	KSK Mahanadi Power Co. Ltd (6x600)	3600	2340
2	BALCO(4x300)	1200	200
3	Vandana Vidyut Ltd.(2x135+1x270)	540	265
4	Lanco Amarkantak Power Pvt. Ltd.(2x660)	1320	858
5	Chhattisgarh Steel & Power Ltd.(1x35+1x250)	285	167
	<b>sub-total</b>	<b>6945</b>	<b>3830</b>
<b>RAIPUR COMPLEX</b>			
1	GMR Chhattisgarh Energy Pvt. Ltd.	1370	816
1	Chhattisgarh State Power Trading Co. Ltd*		5903
	<b>Total</b>	<b>18555</b>	<b>16547</b>

\* And whereas the project developer have executed an Implementation Agreement with Govt. of Chhattisgarh & CSP Holding Co. Ltd.(one of the successor Company of CSEB) separately.

**Tentative Locations of Pooling Stations in Chhattisgarh Complex**

<b>Pooling Station</b>	<b>Latitude</b>	<b>Longitude</b>
Raipur Pool (About 20 Kms. on Durg – Dhamdha Road)	21 22 15 N	81 21 15 E
Champa Pool (Near Pamgarh on Akaltara – Pamgarh Road)	21 53 40 N	82 24 55 E
Raigarh (Kotra) Pool (Near Bansiya Village)	21 51 13 N	83 20 40 E
Raigarh (Tamnar) Pool (Near Bhendra Vill. on Rairagh - Gharghoda Road)	22 08 05 N	83 20 54 E

## Details of Generation Projects in M.P + Chhattisgarh(Bilaspur)

Sno	Applicant	Gen. Project Capacity (MW)	LTA (MW)
<b>Chhattisgarh IPP</b>			
1	Maruti Clean Coal(1X300 MW)	300	171
2	Dheeru Power Gen (3x350 MW)	1050	450
3	Chhattisgarh State Power Trading Co. Ltd*		432
	<b>Sub-total</b>	<b>1350</b>	<b>1053</b>
<b>Madhya Pradesh IPP</b>			
1	Jaiprakash Power Ventures Ltd.(2x660 MW)	1320	1240.8
2	Aryan MP Power generation Pvt. Ltd(2x600 MW)	1200	1122
	Bina Power Supply Company Ltd.(2x250 MW) #	500	265.35
	<b>Sub total</b>	<b>3020</b>	<b>2628.15</b>
	<b>Total</b>	<b>4370</b>	<b>3681.15</b>

\*And whereas the project developer have executed an Implementation Agreement with Govt. of Chhattisgarh & CSP Holding Co. Ltd.(one of the successor Company of CSEB) separately.

\* Details of project-wise allocation enclosed at Annexure-1(a)

# Additional 210MW drawal by MPPTCL directly at Bina TPS generation switchyard