

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



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संदर्भ संख्या / Ref. No.

C/SEF/W/LTOA/

केन्द्रीय कार्यालय / CORPORATE CENTRE
Date: 24.02.2011

To

The Secretary

Central Electricity Regulatory Commission
3rd & 4th Floor, Chanderlok Building
36, Janpath
New Delhi-110 001

Sub:- Report of the 2nd 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 2nd 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 :

1. Shri Ravinder

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

2. Respective IPPs

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

List of Addressees

CHHATTISGARH

1. Mr. Kashinath, Executive Director,
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No.14, Dr.Giriappa Road
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2. Mr. J. Balasubrahmanyam, Director Tech.
Athena Chhattisgarh Power Pvt Ltd
1st floor," Roxana Towers"
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3. Mr.K.R.Nagendra Kumar,Associate Vice President(Engg.)
Jindal Power Ltd
2nd Floor, DCM Building
Plot No.94, Sector-32
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4. Mr.T.Ramakrishna Rao, Vice President
SKS Power Generation (Chhattisgarh) Ltd
501 B, Elegant Business park,
Andheri Kurla Road,
J.B.Nagar, Andheri(E), Mumbai-400059
5. Mr.A.M.Misra, Head-Electrical
Korba West Power Co Ltd
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M.G.Road,
Gurgaon-122002
6. Mr. Girish Agarwaal, Director
DB Power Limited
G-3A/4-6, Kamanwala Chambers,
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.
Plot No-397, Udyog Vihar, Phase-3
Gurgaon- 122 016
11. Mr. Alok Choudhari, Director
Chhattisgarh Steel & Power Ltd
142, Saheed Smarak complex,
G.E Road, Raipur, Chhattisgarh

12. Sh.Satya Naryana Sunkari
GM(Transmission)
GMR ENERGY LIMITED
10th Floor Tower 'D' IBC Knowledge Park
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Bangalore 560 029
13. Sh.Gautam Kumtakar
Sr.Mgr(Power)
VISA POWER LIMITED
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Kolkata – 700 071
14. Sh. A.K.Garg
Chief Engineer
Chhattisgarh State Power Trading Co. Ltd.
2nd floor, Vidyut Sewa Bhawan
Dangania, Raipur-492013

CHHATTISHGARH (BILASPUR) + MP

1. Sh. R.P. Vishwakarma
Maruti Clean Coal & Power Ltd.
F No.-301 -302 , Ram Residency
Near Narrow gauge Railway Crossing
Shankar Nagar, Raipur-492001, Chhattisgarh
2. The Director-in-charge
Jaiprakash Power Ventures Ltd.
P.O Jaypee Nagar
Rewa – 486 450
3. Sh.H.M.Jain, Vice President (Power)
Aryan MP Power Generation Pvt.Ltd.
7th Floor, Ambience Office block
Ambience Mall, Ambience Island NH-8, Gurgaon
4. Sh.Biswajit Das, GM
Dheeru Powergen Pvt. Ltd.
2ND Floor, Capital Court
Olof Palme Marg, Munirka,
New Delhi - 110067
5. The Director
Bina Power Supply Company Ltd
Sector-128, Distt- Gautam Budh Nagar,
Noida (U.P-201304)

**Report of the 2nd Co-ordination Committee Meeting of IPPs
granted LTOA in WR held on 17.02.2011
(High Capacity Power Transmission Corridors – IV(Chhattisgarh) & V
(MP+Chhattisgarh))**

1. The 2nd 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,Gurgaon on 17th February, 2011. The meeting was attended by CEA and the representatives of IPPs who have been granted LTOA in the above complexes. The list of participants of the meeting is enclosed at **Annexure-1**.

2. POWERGRID informed that for effective implementation of the high capacity transmission corridors, good progress of related generation project is essential. Considering the earlier progress of the generation projects in Chhattisgarh complex, total transmission scheme of Chhattisgarh corridor has been sub-divided into 9 sub-schemes to facilitate phase wise implementation. POWERGRID made a presentation about the status of implementation of transmission system including establishment of pooling stations in Chhattisgarh. The location of polling stations as well as status of its is enclosed at **Annexure-2**. It was informed by POWERGRID that all the generation developers need to ensure that the corresponding dedicated transmission system and/or interim arrangement, being implemented by IPPs, is in place as per their generation commissioning schedule. Before starting implementation of the transmission system, they have to fulfill statutory requirements like obtaining approval under Section-68 and Section-164 of EA 2003 from Ministry of Power. Some of the developers informed that they have already obtained/applied for these approvals, however, balance IPPs need to apply to MoP in this regard immediately.

3. POWERGRID informed that considering a large number of 400kV transmission lines termination at pooling stations in Raigarh (Kotra) & Champa and corridor constraints near entry of the substations, it is advisable to terminate these lines through multi-ckt. tower near entry of the S/s so that 2 nos. D/c lines can be terminated through a single corridor. It was also decided that all the applicants shall complete route survey within 2 months. After deliberations, it was decided that WRTS-I shall convene a meeting with all the IPPs to finalise the termination of dedicated lines through multi-ckt. tower at respective pooling stations.

4. POWERGRID informed that some of the developers have submitted the 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. However, others need to submit the details immediately.

5. It was also proposed that in the next quarterly review meeting for Chhattisgarh IPPs, Secretary (Energy), Govt. of Chhattisgarh may also be invited to chair the meeting. For this, it was requested that GM [Projects-I]-WRTS-1 may coordinate with the office of Secretary (Energy) for finalization of date and venue for the meeting.
6. Some of the developers informed that they would need start up power at 400kV level from the interconnecting lines to ISTS. POWERGRID informed that dedicated connectivity lines have been provided to facilitate evacuation/transfer of power from respective generation projects. However for start up power, IPPs may tie up with the respective STU by making suitable arrangements.
7. POWERGRID also informed that as per the discussions held in 1st Joint Co-ordination meeting of IPPs held on 24.09.10, it was decided that the IPPs in Chhattisgarh 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, applicants who have been provided interim transmission agreed that they shall approach WRLDC at the earliest.
8. The progress of various IPPs in Chhattisgarh as well as MP & Chhattisgarh (Bilaspur) complex was reviewed by CEA & POWERGRID. The details are given in following paragraphs:
 - a) **Chhattisgarh Complex** – 15 nos. of IPPs has been granted LTOA in the Chhattisgarh complex. List of IPPs in Chhattisgarh Complex is enclosed at **Annexure-3**. Out of these, only M/s TRN Energy is yet to sign BPTA and submit the BG, whereas M/s Chhattisgarh Steel & Power has signed the BPTA but yet to submit the BG.

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 under:

- Land : 693.97 acre land already acquired against requirement of 900 acre.
- Fuel linkage: LOA from SECL for 6.1 MT per annum. In addition, they have joint coal block allocation of Fatehpur (East) coal block along with other IPPs namely Vandana Vidyut, Athena Chhattisgarh, Visa Power and JLD Yavathmal Energy. Estimated coal reserves of the mine is about 346 MT. M/s RKM informed that out of 1440MW, coal linkage is available for 900MW, however for balance 540MW RKM has got tapering linkage from SECL. FSA signing is pending. DPR approval by Railways for coal transportation is also pending as source of fuel (coal) is yet to be finalized by CIL/SECL. It was deliberated that developer shall submit the status of coal mine development to POWERGRID. It was decided that M/s Athena shall coordinate with other beneficiaries of the Fatehpur(East) coal Block and submit the schedule of coal mine development along with a status report within a fortnight.
- Environmental clearance obtained for all 4 units and no forest land is involved. Water linkage is obtained.
- EPC award placed for BTG package and boiler material reached at site.
- Civil work for Unit-1&2 started, RKM was also requested to submit photographs of the site.
- Financial closure achieved for Rs. 1090 Cr.(Ph-1) and Rs. 3874.11 Cr. (Ph-2) with PFC as the lead banker.
- RKM also informed that they have signed PPA with CSEB (37.5%) and for balance with PTC.
- Further, site activities related to the project is progressing well, however revised commissioning schedule is U#1 – Jul'12, U#2-Nov'12, U#3-Feb'13, U#4-Jul'13 (as against U#1 - Jun'11 onwards as per BPTA).
- Regarding interim transmission arrangement, M/s RKM informed that they had requested for LILO of 400kV Raigarh-Raipur D/c line in place of already agreed 400kV Rourkela-Raigarh D/c line considering the location of the generation project as well as line routing. CEA stated that they may go ahead with LILO of 400kV Raigarh – Raipur D/c line at RKM TPS and

matter may be regularized in the next meeting of Standing committee/LTOA meeting of WR.

(ii) Athena Chhattisgarh (2x600 MW)

Representative of M/s Athena Chhattisgarh submitted status report as under;

– Land : Already 517 acre under possession against requirement of 903 acre.

– Fuel linkage: For unit-1, LOA from SECL for 2.75 MT per annum for 1 unit. For 2nd unit, they have joint coal block allocation of Fatehpur (East) coal block along with other IPPs namely Vandana Vidyut, RKM, Visa Power and JLD Yavathmal.

– M/s Athena was asked to submit the mine development plan along with other IPPs, status of FSA and fuel transportation arrangement within a fortnight.

– Environmental clearance obtained and no forest involved. Water linkage is obtained.

– EPC award placed for BTG/BOP package.

– Financial closure achieved for Rs. 4650 Cr. with SBI as the lead banker.

– Athena informed that they have already obtained Sec-68 clearance and signed PPA with CSPTCL (444 MW) and awaiting Lol from APCPDCL (200 MW), UPPCL(300 MW) and PTC/NEA (150 MW).

– Further, site activities are yet to start, however commissioning schedule was indicated as U#1 – Jun'13 & U#2– Nov'13.

(iii) SKS Power Generation (Ch) Ltd (4x300 MW)

Representative of M/s SKS submitted status report as under;

– Land : Already 570 acre land under possession against requirement of 874 acre for main plant area. Acquisition for govt. land required for ash pond and township is under process.

- Fuel linkage: LOA from SECL for 5.6 MT per annum for all units. Fuel transportation envisaged through truck as the coal mine is near to the plant. FSA is yet to be signed.
- Environmental clearance obtained for all 4 units and no forest is involved. Water linkage is obtained.
- EPC award placed for BTG package
- Financial closure achieved for Rs. 1758 cr (for 1 unit) with loan component Rs. 1318 cr. and SBI is the lead banker(Rs. 350 Cr).
- M/s SKS also informed that they have recently signed PPA for 37.5% of the project capacity each with Tata Power Trading Co. Ltd. & CSPTCL
- Boundary wall and site leveling works completed. Commissioning schedule is U#1 – Mar'13, U#2-Sep'13, U#3-Nov'13, U#4-Dec'13 (as against U#1- Dec'12 onwards as per BPTA).

(iv) Korba West Power Co. Ltd (1x600 MW)

Representative of M/s Korba West submitted status report as under;

- Land : Already 100% land under possession (487 acre)
- Fuel linkage: LOA from SECL for 2.74 MT per annum. FSA is yet to be signed.
- Environmental clearance including consent to establish is available and no forest is involved
- EPC award placed for BTG package to BHEL. Advance released and drum shall be supplied at site by Mar'11.
- Financial closure achieved for Rs. 2150 cr with Axis Bank as the lead banker(Drawn advance of Rs. 405 Cr).
- Civil works started. M/s Korba West have already applied for Sec-68 and after obtaining this, Sec-164 shall be applied. Dedicated transmission system is being developed through HTLS conductor line.
- M/s Korba West submitted that they have been granted LTOA with dedicated transmission system as LILO of Athena Chhattisgarh TPS-

Raigarh Pooling Station (Kotra) 400kV D/c at Korba West. However Korba West informed commissioning schedule as Nov'12 whereas M/s Athena Chhattisgarh indicated their schedule as Jun'13. Accordingly, M/s Korba West requested that they may be provided direct interconnection at Raigarh (Kotra) Pooling Station through a 400kV D/c line. Keeping above in view following dedicated transmission system for Korba(West) and Athena Chhattisgarh Power Ltd was agreed which shall be provided by the respective IPPs:

- Korba(West) – Raigarh Pooling Station(Kotra) 400kV D/c
- Athena Chhattisgarh – Raigarh Pooling Station (Kotra) 400kV D/c (Quad)

Further, it was decided that matter may be regularized in the next meeting of Standing committee/LTOA of WR.

- M/s Korba West also requested that considering the project commissioning schedule as well as progress of the project, an interim transmission arrangement may be provided. Keeping this in view, it was decided that an interim transmission arrangement may be identified and deliberated in the next meeting of Standing Committee/LTOA/LTOA of WR. .

(v) DB Power Ltd (2x600 MW)

Representative of M/s DB Power submitted status report as under;

- Land : already 100% land under possession (630 acre) without colony
- Fuel linkage: LOA from SECL and MCL each for 2.497 MT per annum. Linkage from MCL is tapering as they have been allocated Durgapur II/Saraiya coal block. M/s DB Power was asked to submit the details of the coal mine in terms of reserves, schedule for development and its status within a fortnight. In addition, fuel transportation arrangement and its status are also to be informed by M/s DB Power.
- Environmental clearance including consent to establish obtained. No forest involvement. Water linkage obtained.
- EPC award placed for BTG package in June'10.
- Financial closure to be achieved by Mar'11 for Rs. 6640 cr with SBI as the lead banker. Details shall be submitted by DB Power in this regard.

- Civil works started. Commission schedule is pre-poned to U#1-Mar'13, U#2- Jul'13 (as against U#1- Oct'13 as per BPTA).
- M/s DB requested that considering the project commissioning schedule as well as progress of the project, an interim transmission arrangement may be provided. Keeping this in view, it was decided that an interim transmission arrangement may be identified and deliberated in the next meeting of Standing Committee/LTOA of WR.

(vi) Visa Power Ltd (2x600 MW)

- Representative of M/s Visa Power informed that about 780 acre land is under their possession
- Fuel linkage: M/s Visa informed that they have joint coal block allocation of Fatehpur (East) coal block along with other IPPs namely Vandana Vidyut, Athena Chhattisgarh, RKM and JLD Yavathmal Energy. Coal linkage application has been submitted to MoC and it is yet to be obtained. Environment clearance to be obtained after getting coal linkage.
- M/s Visa also informed that they have recently signed PPA with WBSEDCL for 200 MW and also signed PPA with CSPTCL (424 MW).
- It was informed that Financial closure is achieved for one unit.
- M/s Visa Power also requested to revise their commissioning schedule to U#1-Oct'13 and U#2- Feb'14 (as against U#1-Jan'13 & U#2-Apr'13 as per the BPTA).

(vii) Jindal Power Ltd (4x600 MW)

Representative of M/s Jindal Power submitted status report as under;

- Land : Already 222 Ha in possession against requirement of 456 Ha.
- Fuel linkage: LOA from SECL for 2.497 MT per annum and 2.315 MT per annum from MCL available, which is sufficient for 2 units. Linkage for balance 2 units has been applied to MoC.
- Environmental clearance: Expert Appraisal committee for thermal power plants has already recommended the project for Environmental clearance. However formal letter from MOEF is awaited. No forest is involved.

- EPC award placed for BTG package
- Financial closure: Achieved for all 4 units, Debt-Rs 10,057 Cr and SBI is the lead banker.
- Civil works shall be started after obtaining Environmental clearance. Revised commissioning schedule indicated by the developer is U#1-Mar'13, U#2- Jul'13, U#3-Nov'13, U#4-Mar'14 (as against U#1-Mar'12 onwards as per the BPTA). However in view of the present site progress, even revised schedule appears to be ambitious and project is likely to get delayed.

(viii) 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.
- Fuel [Dongamahua CPP] : Captive mines (Gare IV/1, IV/6) of JSPL.
- It was informed that Dongamahua CPP 2x135MW units are already commissioned and put to captive use of JSPL. Balance 2x135 MW are scheduled for commissioning in U-3# Jun'11, U#4-Sep'11 (as against Jul'10 as per BPTA). Environmental clearance is available for all units. Financial closure is achieved. Site work is on progress.
- 175 MW power out of total 400 MW shall be supplied from 4x250 MW Tamnar TPS, which is existing.

(ix) 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 of about 1950 acre, about 1700 acre land has already been acquired.
- Fuel linkage: For 1800MW, they have signed FSA with GMDC coal mine from Mogra-II Block. For another 1800MW, signed FSA with GIDC from Gare pelma-III Block . Further, SECL have provided tapering coal linkage of 7.491 MT per annum. M/s KSK was advised to submit the development

plan of coal mines, available reserves and status of development within fortnight.

- Environment clearance obtained. EPC award placed and site work is in full swing.
- Financial closure: Achieved for debt component-Rs 12142 Cr, with PFC as the lead banker (Rs. 1860 cr).
- M/s KSK also informed that they have signed PPA for 1010 MW with GUVNL and 1350 MW with CSPTCL. Further, MOU signed for 420 MW with GIDC.
- As per the BPTA, commissioning schedule for U#1 is Feb'12, however, start-up power requirement is indicated from Aug'11. In this regard M/s KSK is developing interim arrangement by LILO of 400kV Raigarh-Raipur D/c line at KSK TPS.

(x) Bharat Aluminium Co. Ltd (4x300 MW)

- Representative of M/s BALCO informed that their project is progressing well.
- Trial operation of 1st unit (300 MW) is started and is expected to be synchronized by Mar'11 and COD by June'11.
- CEA informed that upcoming Balco TPS is already interconnected with existing Balco Captive plant through 220kV lines. Same system may be utilized for synchronization of the generating unit. For COD of the unit, interim arrangement by LILO of Korba - Birsinghpur 400kV D/c line at Balco was provided.
- CEA stated that since LTA applied by BALCO is for only 200 MW out of installed capacity of 1200 MW, Power management unit (PUM) shall be installed by the developer at their plant. The design of PMU shall be submitted to POWERGRID.
- It was also deliberated that considering LTA quantum of about 584MW (200MW for Balco + 384MW for CSPTCL), interim arrangement of Balco TPS through LILO of one ckt. of 400kV Korba – Birsinghpur D/c line may be adequate in place of earlier proposed LILO arrangement at Balco TPS

for both the ckts. Hence, it was decided that LILO shall be carried out for one ckt. of 400kV Korba - Birsinghpur D/c line. However, considering the commissioning schedule of generation project, Korba – Birsinghpur line and readiness of some section of line from Korba end, suitable configuration for interconnection between generation project and grid point shall be reviewed. For this, a meeting shall be convened by CEA along with representatives of Balco, NTPC, WRLDC and POWERGRID.

(xi) Vandana Vidyut Ltd (2x135+1x270 MW)

Representative of M/s Vandana Vidyut Ltd (VVL) submitted status as under;

- Land : 100% land under possession (261 Ha)
- Fuel linkage: Tapering coal Linkage granted in SLC meeting of MoC for 2x135MW units. However LOA is yet to be obtained. In addition, they have joint coal block allocation of Fatehpur (East) coal block along with other IPPs namely RKM, Athena Chhattisgarh, Visa Power and JLD Yavathmal Energy. Linkage for 1x270MW unit is applied to MoC.
- Environmental clearance including consent to establish obtained. No forest involvement. Water linkage obtained.
- EPC award placed for BTG package
- Financial closure achieved for Rs 2055 Cr (Ph-1: 1095 Cr & Ph-II:960 Cr). PNB is the lead banker for Phase-1 (270 MW) and SBI for Ph-II (270 MW).
- Construction in advance stage. Commissioning schedule is indicated as Jan'12 onwards. M/s VVL indicated that in view of the project progress, they would also need start up power in Jul'11.
- Considering the progress of the project, it was informed that VVL has already been granted interim arrangement by LILO of 400kV Korba–Birsinghpur one ckt. at VVL TPS for implementation by the IPP. It was also informed that LILO shall be carried out on the ckt. which is not being LILO-ed at Balco TPS.
- M/s VVL informed that considering proximity of 765kV Dharamjaygarh pooling station and generation project, it is preferable to interconnect the VVL generation project at Dharamjaygarh Station. POWERGRID informed that as per the present scope, there is no provision of 765/400kV

transformers at Dharamjaygarh. Provision for interconnection of VVL TPS shall necessitate installation of 2x1500MVA, 765/400kV transformers for which transmission charges shall be borne by VVL. In addition, fault level at Dharamjaygarh has already reached to a critical level.

- M/s Balco also informed that it is preferable to interconnect Balco TPS at Dharamjaygarh pooling station due to proximity of the location. After deliberation, it was decided that POWERGRID and CEA shall examine the feasibility of installation of 765/400kV transformers at Dharamjaygarh Pooling station for interconnection of VVL and Balco TPS.

(xii) 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. Land of about 790 acre is under possession out of total requirement of about 1395 acre. It was further informed that major milestones like environmental clearance is available, consent for establishment is available, BTG package has been awarded and boiler erection is in progress.
- Fuel linkage: LOA from SECL of 2.497 MT coal per annum for U#3 and 2.74 MT per annum for U#4 obtained.
- Financial closure: For Rs. 5552 Cr with PFC as the lead banker(Rs. 880 Cr). Financial closure is expected to be achieved by next month.
- M/s Lanco indicated that as per the BPTA, commissioning schedule for U#3 is Jan'12. Interim arrangement through interconnection at WR Pooling station(Bilaspur) is already provided for above project.

(xiii) GMR Chhattisgarh Energy Pvt Ltd (2x685 MW)

- Representative of M/s GMR informed that 100% land for the project(850 acre) is in possession. Environmental clearance is awaited.
- Financial closure achieved for all units. Axis bank is the lead banker.
- Fuel linkage: Application submitted for coal linkage. Linkage awaited.

Chief Engineer (SP&PA), CEA mentioned that looking into the present progress of the generation project, commissioning schedule of Aug'13 appears too optimistic.

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

- Representative of M/s Chhattisgarh Steel & Power was not present in the meeting and didn't submit the progress report also.

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

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

- Representative of M/s Jaiprakash Power Ventures informed that Amelia(North) and Dongri Tal II Coal Blocks allotted respectively to JV company of Jaiprakash associates Ltd & MP state mining corporation ltd. FSA for Amelia(North) already signed. Coal block shall be developed by May'13.
- Representative of M/s Jaiprakash Power Ventures also informed that they have achieved all the major milestones like land acquisition, environmental clearance, placement of EPC award (to BHEL), financial closure (ICICI bank-lead banker) etc. and their project is progressing well as per schedule.
- Site activities are under progress. 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 they have 100% land in their possession and achieved all the major milestones. Their project is progressing well as per schedule and all activities related to main plant as well as BOP is on fast track.
- Fuel linkage: LOA issued by SECL for 1.084 MT per annum and by CCL for 0.926 MT per annum.
- It was informed that the project shall get commissioned by Sep'11.

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

Representative of M/s Maruti Clean Coal submitted status as under;

- Land : about 408 acres (95%) land under possession against requirement of 428 acre
- Fuel linkage: LOA from SECL for 1.3 MT coal per annum obtained.
- Environmental clearance including consent to establish obtained. No forest involvement. Water linkage obtained.
- Offer for BTG package have again invited and are under evaluation. Expected to place award by Mar'11.
- Financial closure achieved with debt component of Rs. 1453 cr and Axis bank is the lead banker(Rs. 1056 Cr).
- Civil works under progress. Commissioning schedule is Jun'13 (as against Dec'12 as per the BPTA).
- Status of development of dedicated transmission line was enquired. M/s Maruti informed that they shall make LILO of 400kV Aryan Coal(Bilaspur)
 - WR Pooling station line at Maruti TPS generation switchyard. CEA informed that M/s Maruti and Aryan Coal may internally settle issues for LILO arrangement as well as location of meters in association with the WRLDC. M/s Maruti informed that both parties are in agreement for above arrangement. However, it was decided that M/s Maruti may inform to POWERGRID through letter along with consent letter from M/s Aryan for above LILO arrangement of dedicated transmission system and metering locations within a fortnight.

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

- Representative of M/s Dheeru informed that about 50% (350 acres) of land is acquired out of total 701 acres requirement. Balance is the forest land, for which all related documents submitted to the state forest deptt for processing for forest clearance.
- Fuel linkage: LOA from SECL for 4.71 MT coal per annum obtained.

- Environmental clearance including consent to establish obtained. Forest clearance yet to be obtained.
- EPC award for BTG package is under process
- Financial closure: Debt component of Rs. 4332 cr and SBI is the lead banker.
- Revised commissioning schedule is U#1- Apr'14, U#2-Jul'14 (as against U#1-Sep'13 as per the BPTA).

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

- Representative of M/s Aryan MP informed that 15% land is under possession out of total required 1050 acre land. They have applied for fuel linkage which is held up for non-acquisition of land. TOR for environmental clearance done and public hearing held. EC deferred as the coal linkage is not available.
- 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, therefore commissioning schedule looks uncertain for the time being.

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Annexure-1

2nd Joint Coordination Committee Meeting for High Capacity Power Transmission Corridor in WR

Date: 17.02.2011, Venue: POWERGRID, Gurgaon

SL. NO.	NAME	DESIGNATION	ORGANIZATION	MOBILE NO./ PHONE	E-MAIL
	S/SHRI				
1	Ravinder	Chief Engineer	CEA		-
2	Y.K. Sehgal	ED	POWERGRID		yksehgal@powergridindia.com
3	A.K. Sinha	GM (Project)	POWERGRID	9422145369	ak_sinha@powergridindia.com
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14	Ravi Kaslikar	Manager Elect	GMR/GCEL Raipur	9630042534	ravikumar.kaslikar@gmrgroup.in
15	Alok Gupta	Project Manager	JPVL, BPSCL	9717364276	alok.gupta@jalindia.co.in
16	J. Mohan	GM - Planning	R.K.M Power Gen Pvt. Ltd.	9176792020	j.mohan@kmpowergen.in
17	Devendra Patel	Assoc. General Manager	BALCO	9893122359	devendra.patel@vedanta.co.in
18	R.P. Vishwakarma	GM - Power	MCCPL	9893900559	rpv_n@mccplpower.com
19	H.P. Gupta	V.P. (Power)	Aryan MP Power Generation Pvt. Ltd	9868392847	acbpower@gmail.com
20	Ritesh Malhotra	AGM	Aryan M.P. Power Genration	9873670092	acbpower@gmail.com
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22	R.V. Mathe	Sr.G.M. (Project)	Vandana Vidhyut	8329992001	vvl@vandanavidhyut.com
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24	Biswajit Das	GM	Dheeru Powergen	9755095353	biswajit.das@idfc.com
25	M.R. Krishna Rao	VP - Comml	LANCO Power Ltd	9650191968	rkrao.manuguri@lancogroup.com
26	T.Ramakrishna Rao	Vice-President	SKS Ispat	9967981551	rk@sksispat.com
27	Arvind Kumar	DGM (Elect)	DB Power	9811207596	arvindkumar@dbpower.in
28	D.S. Sinha	VP	DB Power	9999004555	devendras.sinha@dbpower.in
29	A.M. Misra	Head -Electrical	Avantha Power & Infrastructure	9810553164	anand.misra@avanthapower.com
30	S.M. Devaraj	Vice-President	Visa Power Ltd	9810700318	sm.devaraj@visapower.net

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5	A.K. Kakkar	AGM	POWERGRID	9910378091	akkakkar@powergridindia.com
6	Manju Gupta	DGM	POWERGRID	9910378111	manju@powergridinida.com
7	Dr. Subir Sen	DGM	POWERGRID		subir@powergridinida.com
8	Anish Anand	DGM (Engg-TL)	POWERGRID	9910378101	anish@powergridindia.com
9	Pradeep Kr. Gupta	Chief Manager	POWERGRID	9910378062	Pradeepkumar212@rediffmail.com
10	Kashish Bhambhani	ACDE	POWERGRID		kashish@powergridinida.com
11	Amit Kr. Sahu	Engineer	POWERGRID	9650598183	amit.sahu@powergrindia.com
12	Chankey	ET	POWERGRID	9810636567	chankey@powergrid.in
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15	Alok Gupta	Project Manager	JPVL, BPSCL	9717364276	alok.gupta@jalindia.co.in
16	J. Mohan	GM - Planning	R.K.M Power Gen Pvt. Ltd.	9176792020	j.mohan@kmpowergen.in
17	Devendra Patel	Assoc. General Manager	BALCO	9893122359	devendra.patel@vedanta.co.in
18	R.P. Vishwakarma	GM - Power	MCCPL	9893900559	rpv_n@mccplpower.com
19	H.P. Gupta	V.P. (Power)	Aryan MP Power Generation Pvt. Ltd	9868392847	acbpower@gmail.com
20	Ritesh Malhotra	AGM	Aryan M.P. Power Genration	9873670092	acbpower@gmail.com
21	K.R. Nargendra Kumar	AVP (Engg)	Jindal Power Ltd	9958881573	krn.kumar@jindalsteel.com & krn_kumar@hotmail.com
22	R.V. Mathe	Sr.G.M. (Project)	Vandana Vidhyut	8329992001	vvl@vandanavidhyut.com
23	R.Srinivasan	V.P. (Corp)	Athena Chattisgarh Power Ltd	9910833929	srinivasan@athenaenergy.in
24	Biswajit Das	GM	Dheeru Powergen	9755095353	biswajit.das@idfc.com
25	M.R. Krishna Rao	VP - Comml	LANCO Power Ltd	9650191968	rkrao.manuguri@lancogroup.com
26	T.Ramakrishna Rao	Vice-President	SKS Ispat	9967981551	rk@sksispat.com
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29	A.M. Misra	Head -Electrical	Avantha Power & Infrastructure	9810553164	anand.misra@avanthapower.com
30	S.M. Devaraj	Vice-President	Visa Power Ltd	9810700318	sm.devaraj@visapower.net

Annexure-2

(a) Tentative Locations of Pooling Stations in Chhattisgarh Area

Raipur Pool (About 20 Kms. on Durg – Dhamdha Road)	21° 22' 15 N	81° 21' 15 E
Champa Pool ** (Near Saragaon Village)	22° 00' N	82° 44' 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
Dharamjaygarh/Korba (Near Vill. Bhaisma)	22° 16' 23 N	82° 45' 10 E

**** Under finalization**

(b) Status of Land

S. no.	Sub-Station	Land	Status
1	Raigarh Pool (Kotra) (765/400kV, 4x1500 MVA)	Total – 272.37 Acres Govt– 80 Acres Pvt – 192.37 Acres	Sec-4, Sec-17 issued
2	Champa Pool (765/400kV, 6x1500 MVA)	Total – 270 Acres Govt – 135 Acres Pvt – 135 Acres	Earlier identified location changed due to issues raised by mining deptt. New Location identified and acquisition under process.
3	Raigarh Pool (Tamnar) (765/400kV, 3x1500 MVA)	Total – 119.28 Acres Govt – 1.75 Acres Pvt – 117.53 Acres	Sec-4, Sec-17 issued
4	Raipur Pool (765/400kV, 1x1500 MVA)	Total – 140.47 Acres Govt – 4.42 Acres Pvt – 136.05 Acres	Sec-4, Sec-6, Sec-17 issued
5	Dharamjaygarh/Korba (765kV) (Switching Station)	Total – 182.41 Acres Govt – 11.53 Acres Pvt – 170.88 Acres	Sec-4, Sec-6, Sec-9 issued

Details of IPP Projects in Chhattisgarh

ANNEXURE-3

Sno	Applicant	Gen. Project Capacity (MW)	LTA (MW)
RAIGARH COMPLEX			
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
	sub-total	10240	5998
JANJGIR-CHAMPA COMPLEX			
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
	sub-total	6945	3830
RAIPUR COMPLEX			
1	GMR Chhattisgarh Energy Pvt. Ltd.	1370	816
1	Chhattisgarh State Power Trading Co. Ltd*		5903
	Total	18555	16547

* 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 Generation Projects in M.P + Chhattisgarh(Bilaspur)

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

*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