

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/SEFM/06/OA-17/Agenda

केन्द्रीय कार्यालय / CORPORATE CENTRE
23rd October, 2012

To,

As per Distribution list

Sub: 17th meeting of Western region constituents regarding Connectivity & Long term Access Applications of Western Region as per CERC Regulations, 2009 – Agenda

Dear Sir,

Please find enclosed the Agenda Note for 17th meeting of Western Region Constituents regarding Connectivity & Long term Access Applications of IPPs in Western Region as per CERC Regulations, 2009.


The agenda is also available at our website www.powergridindia.com >> Quick links >> LTOA >> Western Region. The date and venue for the meeting shall be intimated separately.

In the mean time, it is requested that the IPP generation developer may update progress so far made in respect of generation project in the attached format, along with necessary supporting documents at the earliest.

It is requested to attend or depute your representative for the meeting. The status of the generation project and the confirmation of participation may be mailed to manju@powergridindia.com or mg.manju@gmail.com.

Thanking You,

Yours faithfully,


23/10/2012

(Pankaj Kumar)
Executive Director (SEF & ERP)

Encl: As Above

1.	Shri Ravinder Member (PS) Central Electricity Authority Sewa Bhawan, R.K.Puram New Delhi-110 066	2.	Chairmann & Managing Director MPPTCL, Block No. 3 Shakti Bhawan, Rampur, Jabalpur-482 008
3.	The Member Secretary Western Regional Power Committee MIDC area, Marol, Andheri (E) Mumbai 400 093	4.	Executive Engineer Electricity Department UT of Dadra & Nagar Havelli, Post Naroli-396 235 Silvassa
5.	Shri K. K. Arya Chief Engineer(SP & PA) Central Electricity Authority Sewa Bhawan, R.K.Puram New Delhi-110 066	6.	The Chief Engineer Electricity Department The Government of Goa Panaji
7.	Managing Director Gujarat Energy Transmission Corp. Ltd, Sardar Patel Vidyut Bhawan, Race Course, Vadodra -390 007	8.	Shri R.K. Oke Chief Engineer(Transmission) Nuclear Power Corpn. of India Ltd. 12 th Floor, North wing, VS Bhawan Anushaktinagar, Mumbai-400 094
9.	Executive Engineer UT of Daman & Diu Administration, OIDC Corporate Office, Plot No. 35 Somnath, Daman Pin 396210	10.	Director (Operation) MSETCL. 4 th Floor, "Prakashganga" Plot No. C-19, E-Block Bandra – Kurla Complex, Bandra(East), Mumbai- 400051
11.	Managing Director Chhattisgarh State Transmission Co. Ltd. Dangania Raipur- 492 013	12.	Executive Director (Engg.) NTPC Ltd, EOC, Plot no. A-8A, Sector-24, Post Box. 13, Noida 201 301 (U.P)
13.	CEO POSOCO B-9, Qutab Institutional Area Katwaria Sarai, New Delhi-110 016	14.	GM, WRDLC F-3, M.I.D.C. Area Marol, Andheri (E) Mumbai-400 093

1.	Sh. Atanu Ghosh Chowdhury Vice President (Power) Bharat Aluminium Company Ltd. 1200MW O & M Office, BALCO Nagar, Korba, Chhattisgarh - 495684	2.	Sh. H. M. Jain Vice President (Power) ACB (India) Ltd. 7 th Floor, Ambience Corporate Tower, Ambience Mall, NH-8, Gurgaon, Haryana -122001
3.	Sh. A. B. Bajpai Chief General Manager (Comml.) M.P. Power Management Co. Ltd. 3 rd Floor, Block No. 11, Shakti Bhavan, Rampur, Jabalpur, Madhya Pradesh - 482008	4.	Sh. Jagrut Vyas Executive Director, Torrent Power Ltd. ED Office, Naranpura Zonal Office, Sola Road, Naranpura, Ahmadabad, Gujarat - 380013
5.	Sh. Ashok Modi Executive Director, Torrent Power Ltd (UNOSUGEN), Torrent House, Off Ashram Road, Ahmadabad, Gujarat - 380009	6.	Sh. B. K. Jain Head (Electrical) Heavy Water Board, 5 th Floor, Vikram Sarabhai Bhawan, Anushaktinagar, Mumbai, Maharashtra - 400094
7	Sh. Darshan Hiranandani Director Hindustan Electricity Generation Company Pvt Ltd., Olympia, Central Avenue, Hiranandani Business Park, Powai, Mumbai, Maharashtra	8	Sh. Bipin Jain Sr. Vice President (Proj), Jayaswal Neco Urja Limited (Formerly – Raigarh Energy Limited) F-8, M.I.D.C Industrial Area, Hingna Road, Nagpur, Maharashtra – 440016

STATUS OF GENERATION PROJECTS

Applicant /Project Capacity (MW) :

Date of Status Submission :

S. No.	Item	Status / Information																								
1.	Generation location																									
	Location of power project (name of village/town, district/State)																									
	Detail vicinity map of the project site on topo sheets to gather relative locations of other generation projects in the vicinity																									
	Latitude & Longitude of the Project site																									
2	Land																									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S.No.</th> <th style="width: 30%;"></th> <th style="width: 20%;">Govt Land</th> <th style="width: 20%;">Pvt. Land</th> <th style="width: 10%;">Forest Land</th> <th style="width: 10%;">Total Land</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Total Land required</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Acquired</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Possessed</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	S.No.		Govt Land	Pvt. Land	Forest Land	Total Land	1	Total Land required					2	Acquired					3	Possessed					
S.No.		Govt Land	Pvt. Land	Forest Land	Total Land																					
1	Total Land required																									
2	Acquired																									
3	Possessed																									
	Status of land to be acquired like date of notification for and date of acquisition etc (Attach a copy of "deed of sale" agreement for Private land & "Agreement to sale" for Govt. Land)																									
3	Fuel																									
	Type of Fuel (Gas/domestic coal/imported coal/Hydro)	Domestic Coal																								
	Status of fuel tie-up for the total quantity of fuel required to generate full power at normative availability. Indicate status of mine allocation or fuel linkage (Status of Fuel Supply Agreement) [In Case of coal mine allotted mention its development status]																									
4	Water																									
	Status of in-principal approval from concerned State irrigation department (Attach a copy of water supply agreement with state/ central water commission and Ministry of water Resources)																									
5	Environmental Clearance																									
	Status of in-principle approval from concerned administrative authority responsible for according final approval in the central/State govt as the case may be. (Attach a copy of Environment clearance from MoEF)																									
5a.	Consent to Establish																									
6	MoEF CRZ Clearance (If Applicable- Attach a separate copy from MoEF)																									
7	Equity Infusion																									
	Board resolution of promoting company/companies to infuse equity (Attach a copy)																									

STATUS OF GENERATION PROJECTS

S. No.	Item	Status / Information
8.	Forest Clearance	
	Status of in-principle approval from concerned administrative authority responsible for according final approval in the central/State govt as the case may be. (Attach a copy of Clearance from MoEF)	
9.	Pollution Clearance	
	CFE (Consent for establishment from State Pollution control board). (Attach a copy)	
10	Clearance from Ministry of Defence. (Attach a copy)	
11.	Clearance from Archaeological Depts. (Attach a copy)	
12.	Civil Aviation Clearance for Chimney Height. (Attach a copy)	
13.	EPC Contract Status	
	Source/ manufacturer of Main Plant(BTG)	
	Date of placement of contract for main plant (Attach Acknowledge copy of LOA)	
	Date of placement of contract for BoP. (Attach Acknowledge copy)	
	Advance release Amount (Rs Cr)	
14.	Status of PPA with beneficiaries including case-1 bids if applied for	
15.	Date of financial closure & Lead banker - Amount of Disbursement of Loan(Rs Cr) -	
16.	Expected Unit wise proposed commissioning schedule a) Unit – I : b) Unit – II : c) Unit – III : d) Unit – IV :	
17	Physical works Progress at site: a) Boundary/Fencing: b) Drum Lifting: c) BoP Status: d) Foundation & Erection of Chimney: e) Turbine related activities: f) Hydraulic test: g) Any other progress:	

A. Agenda for Proposed Connectivity in ISTS for IPP Projects in WR

1.0 Following applications for Grant of Connectivity in ISTS as per CERC Regulations 2009 have been received in Western Region:

- i) BALCO (4x 300MW + 4x135MW + 4x67.5 MW)
- ii) ACB (India) Ltd. (2x135MW + 2x30 MW)

2.0 Proposed Connectivity of above generation projects

In view of the provisions in CERC regulation 2009 and considering the location & unit sizes of generation projects etc, following connectivity of the generation projects is proposed based on technical examination as per CEA (Technical Standards for connectivity to the Grid) regulations, 2007:

2.1 BALCO, Distt. Korba, Chhattisgarh

- Project Capacity: 2010MW (4x 300MW + 4x135MW + 4x67.5 MW)
- Connectivity applied for/from – 675MW (4x135 +2x67.5) / Oct'13
- Location: Distt: Korba, Chhattisgarh
- Commissioning schedule:
 - 4x67.5MW – Existing
 - 4x135MW – Existing
 - 4x300MW – U#1 &2 – Ready,
U#3 – Nov'12
U#4 – Jan'13

M/s BALCO is operating 675 MW of captive power plant which includes 4x135MW and 2x67.5 MW generating units. The surplus power from 675MW goes up to 155MW, which is evacuated through STU grid.

BALCO has already been granted connectivity with the CTU for 1335MW (4x300MW+2x67.5MW) through BALCO TPS – Dharamjaygarh S/s 400kV D/c line (to be implemented by generation developer). Now, BALCO has applied for additional connectivity to ISTS for 675MW which is connected to STU grid at present.

Keeping above in view, it is proposed to provide connectivity to 4 units of 135MW and 2 units of 67.5 MW of M/s BALCO to ISTS at 765/400kV Dharamjaygarh S/s of POWERGRID, where other units of BALCO have been provided connection/LTA.

In view of total project capacity for which connectivity has been applied, it is proposed that, M/s BALCO may be provided connectivity for their 4x135MW and 2x67.5MW generating units through following arrangement:

- BALCO TPS – Dharamjayagarh S/s 400kV D/c (2nd) line

As an interim arrangement, LILO of Korba-Birsinghpur 400kV one ckt. which is connected to 4x300MW IPP bus may be utilized.

Since the time required for implementing above tr. system through tariff based competitive bidding route is much more than the time by which connectivity is required, it is proposed that the above line may be implemented by generation developer.

For effecting above proposed connectivity, M/s BALCO shall ensure to disconnect that these units are physically disconnected from STU Grid before being connected to CTU. It will be ensured that at no point of time, parallel operation with STU and CTU system shall take place.

Transmission system strengthening to facilitate power transfer on long-term basis shall be identified once M/s. BALCO applies for Long-term Access as per CERC Regulations, 2009.

The grant of connectivity shall not entitle M/s BACLO to interchange any power with the grid unless it obtains long term access, medium term open access or short term open access.

Members may discuss

2.2 ACB (India) Ltd., Distt. Korba, Chhatisgarh

- Project Capacity – 2x 135MW + 2x30MW
- Connectivity applied for/from – 54MW / Unit-I : from the date of physical connectivity upon approval, U-II: Aug'13
- Commissioning schedule- U-I –Existing, U-II- Aug'13
- Location: Distt: Korba, Chhattisgarh

M/s ACB (India) Ltd. has already been granted LTOA for 243MW from their 2x135MW TPS through ACB TPS – WR Pooling (Bilaspur) 400kV D/c line (*implemented by Gen developer*).

M/s ACB have requested for connectivity of additional 54 MW from 2 units of 30MW to CTU network. Out of 2x30MW, one unit of 30 MW is already commissioned and having connectivity with STU Grid. In this regard, they have informed that they have already applied for NOC to Chhattisgarh State Power Transmission Co. Ltd. for discontinuation of connectivity for the 1st unit of 30MW.

Keeping above in view, it is proposed to provide additional connectivity for 54MW to 2x135MW+2x30MW generation project of M/s ACB to ISTS through the following arrangement:-

- 132kV interconnection with the existing 400/132kV ACB TPS switchyard (Under the scope of the generation developer)

For connection to ISTS, existing ACB TPS – WR Pool (Bilaspur) 400kV D/c line may be utilized.

Withdrawal of connectivity of ACB 1x30MW unit by STU shall be submitted prior to physical connection with ISTS. M/s ACB (India) limited shall ensure to physically disconnect 1x30MW unit from the STU interconnection before connecting to ISTS network.

Transmission system strengthening to facilitate power transfer on long-term basis shall be identified once M/s. ACB (India) Ltd. applies for Long-term Access as per CERC Regulations, 2009.

The grant of connectivity shall not entitle M/s ACB (India) Limited to interchange any power with the grid unless it obtains long-term access, medium term open access or short term open access.

Members may discuss

3.0 For all the generation projects who have applied for Connectivity under CERC regulation, 2009, in addition to other applicable provisions in CERC regulations 2009 on Grant of connectivity, Long Term Access and Medium-term Open Access in inter-state transmission and related matters, following are to be noted:

- i) The grant of connectivity shall not entitle above applicants to interchange any power with the grid unless they obtains long-term access, medium term open access or short term open access. However, the above IPP shall be allowed to undertake interchange of power including drawl of power for commissioning activities and injection of infirm power in to the grid during full load testing before being put into commercial operation, even before availing any type of open access, after obtaining permission of the concerned regional load dispatch centre, which shall keep grid security in view while granting such permission.
- ii) Applicants are required to inform/confirm likely date of synchronization, likely quantum and period of injection of infirm power before being put into commercial operation to the SLDC and RLDC concerned at least one month in advance.

- iii) In case the dedicated transmission system upto point of connection is to be undertaken by Inter-State Transmission Licensee, the applicants need to sign transmission agreement with CTU within one month of grant of connectivity, furnish requisite Bank Guarantee and fulfill other terms & conditions as stipulated in the CERC Regulations/Detailed Procedure, 2009 in this regard.
- iv) The applicants shall abide by all provisions of the Electricity Act, 2003, CERC (Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-State transmission and related matters) Regulations, 2009, CEA (Technical Standards for connectivity to the Grid) and Indian Electricity Grid Code and their amendments thereof.
- v) All the applicants shall have to apply for "Connection Offer" to CTU at least more than 2 years prior to physical interconnection as well as have to sign "Connection Agreement" with CTU prior to physical interconnection as per CERC Regulations, 2009.
- vi) The connectivity shall be as per the Detailed Procedure of CTU for Grant of Connectivity, Long term Access and Medium term Open Access to Inter state transmission.
- vii) The scope of works at generation switchyard like line terminal bays, bus/line reactors, associated bays etc. shall be under the scope of respective generation/developer.
- viii) Transmission system strengthening to facilitate power transfer on long-term basis shall be identified once above applicants apply for Long-term Access as per CERC Regulations, 2009.

B. Agenda for Long-term Access applications of IPP Projects in WR

1.0. POWERGRID has received applications for grant of Long term Access (LTA) as per CERC regulation 2009 from the following applicants.

- a) M.P Power Management Co. Ltd.
- b) Torrent Power Limited (UNOSUGEN) (35 MW)
- c) Torrent Power Limited, Ahmadabad (400 MW)
- d) Heavy Water Board, Deptt of Atomic Energy (17 MW)

2.0. Details of LTA Applications

2.1 M.P. Power Management Co. Ltd. (495MW)

Long term Access has been sought by M.P Power Management Co. Ltd. (MPPMCL) for drawing 495MW power from 2x660MW generation project in Distt. – Sidhi, M.P. of M/s Jaiprakash Power Ventures Ltd.

i) A brief of the application is as under:

S.No.	Particulars	M.P. Power Management Co. Ltd. - Bulk Consumer
1	Capacity for which LTA is required	495 MW Beneficiary –M.P.
2	Date from which LTA is Required	01.04.2014 for 20 years
3	Location of Generating Station	M/s Jaiprakash Power Ventures Ltd Dist. – Sidhi , M.P
4	Installed Capacity (MW)	2x660 MW= 1320MW
5	Commissioning schedule (Unit Wise)	Unit-1: 31.03.2014 Unit-2: 30.09.2014

ii) Proposal for LTA

M/s Jaiprakash Power Ventures Ltd. has been granted LTOA for 1240.8MW as per CERC regulation 2004, from their proposed generation project (2x660MW) in Distt. Sidhi, M.P through Jaypee Nigrie TPP – Satna 400kV D/c (High capacity) line being implemented by generation developer.

MPPMCL has signed a PPA with M/s Jaypee Nigrie for drawing 495MW power from above 2x660MW power project in Distt. Sidhi. As per the provisions of PPA, it is the responsibility of MPPMCL to arrange for evacuation of 495 MW power from the project Bus bar. Accordingly, MPPMCL has applied for LTA for drawl of 495 MW from above generation project through regional network at CTU-STU (MPPTCL) interconnection points.

- (a) Keeping the above in view, it is proposed to provide long term access to MPPMCL for transfer of 495MW power from Jaiprakash Power to MP at various CTU-STU interconnection points through Jaypee Nigrie TPP – Satna 400kV D/c (High capacity) line being implemented by generation developer.

- (b) Since, the Jaypee Nigree TPS -400kV D/c line is dedicated line, mechanism for sharing of transmission charges for above line shall be mutually worked out by MPPMCL and Jaiprakash Power Ventures Ltd.
- (c) MPPMCL shall sign LTAA and TSA with POWERGRID for sharing of transmission charges corresponding to 495MW.
- (d) The sharing of transmission charges shall be as per CERC Regulations and its amendments thereof.
- (e) LTA shall be effective from the date of availability of dedicated transmission system mentioned above or date of LTA sought whichever is later.
- (f) After grant of LTA to MPPMCL, the quantum of LTA of M/s Jaiprakash Power Ventures Ltd. from their proposed generation project (2x600MW) in Distt. Sidhi, M.P shall be reduced by 495 MW. The total quantum of LTA from the project shall remain at 1240.8MW.

Members may discuss.

2.2 Torrent Power Limited. (UNOSUGEN)

M/s Torrent Power Ltd., is setting up UNO-SUGEN generation project near Surat, in Gujarat. Connectivity to this plant has been provided through LILO of one ckt of 400kV Sugen TPS – Pirana (PG) at UNOSUGEN TPS switchyard. Long term Access has been sought for 35MW from this project for a period of 25 years from April, 2013.

I. Details of the application is as under :

S.No.	Particulars	Torrent Power Limited (UNOSUGEN) (35MW)
1	Capacity for which LTA is required (MW)	35 MW Target regions- WR(35MW)
2	Date from which LTA is Required	Apr'2013
3	Location of Generating Station	Near Surat, Gujarat
4	Installed Capacity (MW)	382.5 MW
5	Commissioning schedule (Unit Wise)	01.04.2013
6	Step up voltage of Generating station (kV)	400kV

II. Status of Generation project

As informed by the applicant, the status of generation project is as follows:

S No.	Particulars	Torrent Power Ltd. (UNOSUGEN)
1.	Land	The required land is already in possession of Torrent Power Limited.
2.	Environmental clearance	The environmental clearance has been accorded by MOEF.
3.	Fuel Arrangement	Government of India has already provided assurance that based on availability situation domestic gas would be allocated once the project is ready to commence production. Further, Heads of Agreement has already been executed with IOCL and PLL for supply of RLNG gas supply to the UNOSUGEN project.
4.	Water arrangement	The required water quantity allocation is available from the Government of Gujarat.

III. Proposal for LTA

M/s Torrent Power Ltd. was granted connectivity in the 13th meeting of WR constituents regarding connectivity / open access applications held on 27.10.10 through following tr. system:

- LILO of SUGEN TPS – Pirana (TPL) one ckt at UNOSUGEN TPS.
 - Generation to be stepped up at 400 KV level & bus reactor of 1x80MVAR to be provided at generation switchyard.
- a) Keeping above in view and considering the quantum of LTA and location of generating project, it is proposed to grant Long Term Access (LTA) to M/s Torrent Power Ltd. for 35 MW without any system strengthening. Transmission system strengthening shall be identified when Torrent Power Ltd. applies for additional quantum of LTA.
- b) M/s Torrent Power Ltd. shall sign LTAA and TSA with POWERGRID for sharing of transmission charges corresponding to 35MW.
- c) The sharing of transmission charges shall be as per CERC Regulations and its amendments thereof.

Members may discuss

2.3 Torrent Power Ltd.

M/s Torrent Power Ltd., is a distribution licensee in Ahmadabad and Gandhinagar areas in Gujarat. Long term Access has been sought for 400MW for the period of 25 years from 1200MW DGEN plant being set up at Dahej by Torrent Energy Limited. A brief on the proposal of above application is as under:

II. Details of the application is as under :

S.No.	Particulars	Torrent Power Limited (400 MW)
1	Capacity for which LTA is required (MW)	400 MW (at 400kV Nicol S/s in Ahmedabad)
2	Date from which LTA is Required	01.09.2013
3	Location of Generating Station	Dahej, Gujarat
4	Installed Capacity (MW)	1200 MW
5	Commissioning schedule (Unit Wise)	U#1 – 23.01.2013 U#2 – 20.03.2013 U#3 – 16.05.2013
6	Step up voltage of Generating station (kV)	400kV

III. Proposal for LTA

M/s Torrent Energy Ltd. has been granted connectivity and LTA in the 13th and 14th meeting of WR constituents regarding connectivity / open access applications held on 27.10.10 and 21.10.11 respectively in which following tr. system was agreed:

- TEL(DGEN) TPS – Navsari 400kV D/c (Triple/Quad) – Under implementation by gen. developer
- TEL (DGEN) TPS – Vadodara 400kV D/c – to be implemented through TBCB
- 220kV Navsari (PG) – Bhesthan (GETCO) D/c – to be implemented through TBCB
- Augmentation of transformation capacity of 400/220kV substation at Navsari with 1x500MVA ICT – being implemented by POWERGRID.
- LILO of one ckt of 400kV Dehgam – Pirana D/c line at 400/132kv Nicol (Dedicated tr. system for drawl at TPL Ahmadabad) – to be implemented by gen. developer.

Since TPL, Ahmadabad has applied for LTA from DGEN TPS; it is proposed that the element (v) above which was identified for drawl at TPL Ahmadabad may be implemented by the distribution licensee, TPL Ahmadabad. Further, drawl of power at 220kV Ambli substation (proposed) in Ahmadabad, establishment of a new 400/220kV substation at Gota in Ahmadabad is proposed from where 220kV Ambli S/s of TPL may be connected.

In view of the above, it is proposed to grant Long Term Long Term Access (LTA) to M/s Torrent Power Ltd., for 400MW with following system strengthening:

- Establishment of a new 400/132kV S/s at Nicol through LILO of one ckt of 400kV Dehgam – Pirana D/c line (under the scope of distribution licensee)
 - 400/220kV S/s at Gota through LILO of both ckt of Chorania Ranchodpura 400kV D/c (to be implemented through TBCB)
 - Gota – Ambli 220kV D/c line (Under the scope of distribution licensee)
- a) M/s Torrent Power Ltd. shall sign TSA with POWERGRID for sharing of transmission charges corresponding to 400 MW.
- b) The sharing of transmission charges shall be as per CERC Regulations and its amendments thereof.
- c) LTA shall be effective from the date of availability of identified transmission system strengthening or date of LTA sought whichever is later.

Members may discuss

2.4 Heavy Water Board

Long term Access has been sought by Heavy Water Board, Mumbai for drawing 17 MW power from Nuclear Power Plant, Kakrapar (KAPS) project in Dist. – Kakrapar, Gujarat. A brief of application is as under:

I. Details of the application is as under :

S.No.	Particulars	Heavy Water Board, Thal (Maharashtra) – Bulk Consumer
1	Capacity for which LTA is required (MW)	17 MW
2	Date from which LTA is Required	01.11.2012
3	Location of Generating Station: Point of Drawl:	Nuclear Power Plant, Kakrapar (KAPS) Dist. – Kakrapar, Gujarat Thal, Maharashtra

As per the MOP order dtd. 4.10.2000 allocating power to Heavy Water Board from the unallocated quota of NPCIL plant, above allocation will come into force once the consent of the concerned SEBs / POWERGRID is obtained by HWB/DAE for wheeling of power to Heavy Water Plants. Heavy Water Board (HWB) has intimated that MSETCL has permitted open access to HWB for wheeling power from KAPS to HWB plant at Thal through Maharashtra Transmission system, subject to certain conditions to be fulfilled by them.

M/s Heavy Water Board has applied to Maharashtra State Electricity Transmission Company Ltd. (MSETCL) & Maharashtra State Electricity Distribution Company Limited (MSEDCL) to get their approval.

Kakrapar APP (440MW) is an existing power plant of NPCIL which is connected to grid through 3 nos. 220kV lines viz, Kakrapar – Vav (Valthan), Kakrapar - Bharuch and Kakrapar - Vapi D/c. Since Kakrapar APP is connected to Gujarat state network, adequacy of transmission system within GETCO for drawl of power through their transmission system needs to be examined separately by GETCO and hence, consent of GETCO for above transfer of power shall be required.

It has been observed that for transfer of 17MW power to HWB from KAPS to Thal, Maharashtra, there will be no constraint on the existing Inter-state Transmission System (ISTS) of POWERGRID.

II. Proposal for LTA

In view of the above, it is proposed that long-term open access in ISTS of POWERGRID for transfer of 17MW power from KAPS to HWB at Thal,

Maharashtra may be provided to HWB without any system strengthening in the ISTS network subject to the consent of GETCO for use of their transmission network for transfer of power through their network and fulfillment of all conditions of LTA given by MSETCL.

- a) M/s Heavy Water Board shall sign LTAA and TSA with POWERGRID for sharing of transmission charges corresponding to 17MW.
- b) The sharing of transmission charges shall be as per CERC Regulations and its amendments thereof.
- c) LTA shall be effective from the date of fulfillment of all conditions of LTA including condition given by MSETCL and signing of TSA by Heavy Water Board, whichever is latter.

Members may discuss

3.0. For all the generation projects who have applied for LTA under CERC regulation, 2009, in addition to other applicable provisions in CERC regulations 2009 on Grant of Connectivity, Long term Access and Medium term Open Access in inter state transmission and related matters, following are to be noted:

- i) LTA is being granted subject to the condition that applicant shall bear all the transmission charges as per CERC norms for transfer of power.
- ii) Payment of such transmission charges for the capacity for which exact source on long term basis is not known, shall not entitle the applicant any right over the transmission system up to the target region and CTU may release this balance transmission capacity up to target region for short term open access or the medium term open access till the applicant firms up source / destination on long term basis and its operationalisation.
- iii) The applicant shall enter into long term access agreement (LTAA) with POWERGRID within 30 days of issue of intimation. In case transmission system of inter state transmission licensee other than CTU is used, an agreement shall be signed between the applicant and such inter state transmission licensee, in line with the provisions of the CERC regulations 2009.
- iv) The nodal agency may change system strengthening requirements identified for a particular applicant project on the basis of any subsequent study carried out on its own motion or on another application for LTA, with the purpose of optimum utilization of the transmission system or to conserve limited right-of-

way, and in such event, the changes carried out by the nodal agency shall be intimated to the applicant, or any other person associated with the LTA.

- v) The applicant shall abide by all provisions of the Electricity Act, 2003, CERC (Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-State transmission and related matters) Regulations, 2009, CEA (Technical Standards for connectivity to the Grid) and Indian Electricity Grid Code as amended from time to time.

C. Other Agenda Items

1.0 Modification in LTA beneficiary of M/s Hindustan Electricity Generation Company Pvt. Ltd. (HEGCPL)

M/s Hindustan Electricity Generation Company Pvt. Ltd (HEGCPL) had applied for LTA from its 1137MW Gas based generation project (3x379MW) in Maharashtra as per the CERC Regulations, 2009. LTA was sought for 25 years from March'14. The target beneficiaries were indicated as ER (700MW) and SR (300MW).

The application was discussed in the 15th WR Constituent Meeting regarding Connectivity/Open Access application on 21st October, 2011. In view of the project progress, LTA for only one unit of 379MW of the generation project was agreed with target beneficiaries in SR/ER on proportionate basis (SR-114MW, ER-265MW) with following system strengthening.

(i) Transmission system strengthening in SR-WR tr. corridor (to be shared with IPPs in SR & WR) – to be implemented by POWERGRID

- Narendra (GIS) – Kolhapur (GIS) 765 kV D/c line (initially to be operated at 400 kV) [subsequently to be upgraded at 765 kV]
- LILO of both circuits of existing Kolhapur – Mapusa 400 kV D/c line at Kolhapur (new)
- Narendra (GIS) – Narendra (existing) 400 kV D/c Quad line
- Establishment of new 400 kV substation each at Narendra (GIS) and Kolhapur (GIS) [to be upgraded to 765 kV later]
- Kolhapur – Padghe 765 kV D/c one circuit via Pune (initially to be operated at 400 kV) [subsequently to be upgraded at 765 kV]

M/s HEGCPL vide letter ref HEGCPL/HO/PGCIL/LTA/11 dated 28 Nov, 2011 had requested to modify beneficiary for full LTA quantum of 379MW power to ER, since they have signed PPA with West Bengal. Accordingly, it is proposed to change the beneficiaries for M/s HEGCPL to ER – 379 MW for full quantum of LTA (379MW) in place of (SR-114MW, ER-265MW) agreed during 15th WR Constituent Meeting regarding Connectivity/Open Access application held on 21st October, 2011.

Further, since the beneficiary has changed to ER, and there is no beneficiary in SR, system strengthening in WR-NR corridor is not required. Hence, it is proposed to grant LTA to HEGCPL for 379MW (ER-379MW) without any system strengthening.

Members may discuss.

2.0 Modification in LTOA quantum of M/s Jayaswal Neco Urja Limited.

M/s Jayaswal Neco Urja Ltd. had been granted LTOA for transfer of 600MW from their 2x300MW generation project in Chhattisgarh to its target beneficiaries [WR-390MW and NR- 210MW] as per CERC (Open Access in ISTS) Regulations, 2009.

Ms/ Jayaswal Neco vide their letter dated 4.10.12 have stated that considering the Auxiliary power consumption of 2x300MW plant @ 8.5% (51MW) and mandatory sale of 7.5% of generated power to the State Govt., which works out to be 508 MW, their open access quantum may be reduced.

It is proposed to reduce the quantum of LTA with respect to auxiliary consumption i.e. 51MW.

Regarding the reduction in quantum with respect to the Chhattisgarh share, it is proposed that the LTA quantum may be reduced subject to signing of TSA by CSPTCL for this quantum.

Members may discuss.