



भारत सरकार
Government of India
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पश्चिम क्षेत्रीय विद्युत समिति

Western Regional Power Committee

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No. : WRPC/Commml.-I/CCM/Agenda/2013-930

दिनांक :24.01.2013

Date:24th Jan.2013

सेवा में /To,

(सूची के अनुसार)

विषय : 63 वीं वाणिज्यिक समिति की बैठक की कार्यसूची ।

Sub : Agenda Notes for 63rd Commercial Committee Meeting.

महोदय / Sir,

इस पत्र के साथ दिनांक 07।02।2013 को 11:00 बजे, गोदावरी कान्फ्रेंस हॉल, पक्षेविस प्रे केन्द्र , एमआइडीसी मरोल, अंधेरी पूर्व, मुंबई में होने वाली, वाणिज्यिक समिति की 63 वीं बैठक की कार्यसूची आपकी सूचना एवं आवश्यक कार्रवाई हेतु संलग्न है।

Please find enclosed herewith Agenda Notes for the 63rd Commercial Committee Meeting of WRPC to be held on 07.02.2013 at 11:00 Hrs at Godavari Conference Hall, WRLDC, MIDC Marol, Andheri (E), Mumbai-400 093, for your information and necessary action.

भवदीय / Yours faithfully,

संलग्न :- उपरोक्तानुसार /As above

(Satyanarayan S.)

अधीक्षण अभियंता (वाणिज्यिक)

Superintending Engineer (Commml.)

AGENDA FOR 63rd MEETING OF COMMERCIAL COMMITTEE TO BE HELD ON 07th FEBRUARY 2013 AT MUMBAI

ITEM No.1: Confirmation of the minutes of the 62nd meeting of Commercial Committee

Minutes of the 62nd meeting of Commercial Committee held on 08th October 2012 at NTPC Mumbai were circulated vide WRPC letter no. WRPC/Comml-I/CCM/Minutes/2012-10209 dated 22.10.2012.

JPL vide letter JPL/WRPC/2012 dated 26.10.2012(copy enclosed at **Annex-1**), have requested to add following comments at the end of para 3 of Item No.11.

Regarding approval of YTC and pooling of line losses of 400kV Tamnar line, JPL representative informed that CERC vide its order dated 26.09.2012 in Petition No. 135/TT/2012, has provisionally approved YTC for the year 2011-12 to 2013-14. Further, DCPD injection is being measured at interface point i.e. at 400/220kV JPL Switch Yard Tamnar and not at JSPL (DCPD) generating transformers. Therefore, tie line losses are not being pooled in WR pool.

Committee may like to discuss and confirm the Minutes of 62nd CCM.

ITEM No. 2: Revision of REAs.

Back ground :-

A) Pertaining to LANCO-Kondapalli issue:-

In accordance with the decision in the 60th CCM, WRPC vide letter no. WRPC/Comml-I/3/ABTREA/2012/179 Dtd.06.02.2012 Powergrid was requested to intimate the date of effect of LTA to Lanco Kondapalli, so that REAs for the period prior to implementation of new transmission charges Regulations 2010 (PoC), could be revised. However the date of effect of LTA to Lanco Kondapalli was not intimated by Powergrid. WRPC vide WRPC/Comml-I/3/ABTREA/2012/329 Dtd.15.03.2012 again requested Powergrid to communicate the date of effect of LTA to Lanco Kondapalli. In the absence of the above data the LTAs considered for sharing of WR transmission charges during the revision of REAs for the month of March-11 to June-11 issued vide letter dated 30.03.2012 were as follows;

- 1) Lanco Kondapalli targeted to WR : 200MW

2) DVC Mejia to MP : 400MW

In the 61st CCM, the committee expressed that PGCIL shall formally communicate all details (quantum, date etc) of effect of LTAs to Lanco Kondapalli and DVC Mejia to MP, at the earliest. Accordingly PGCIL vide letter C/SEF/W/WRPC dated 29th June 2012 have communicated the quantum of LTA in respect of Lanco Kondapalli as per the BPTA signed and targeted to WR & NR as 150MW and 80MW respectively for the period Sept. 09 to Feb. 10 and 200MW and 150MW respectively from Mar.10. The quantum of LTA without identifying beneficiaries' in WR & NR has been revised to 150MW and 100 MW respectively w.e.f. 01.02.2012.

Discussions of the 62nd CCM on Lanco Kondapalli(LKPL) issue :

Member Secretary-I/C WRPC stated that representation have been received from Lanco Kondapalli(LKPL) on the revised REA accounts for the month of Mar-11 to June-11. The representative from Lanco Kondapalli has been invited to this meeting for explaining their point of view on the LTA considered in the above REAs. He stated that Committee may discuss the issue and come out with a decision in line the regulations of the Commission.

Lanco Kondapalli(LKPL) representative made following points;

- a) Lanco on 25.02.2008 submitted an application to PGCIL for grant of long term open access of Inter-state Transmission System as per CERC (Open Access in Inter-state Transmission) Regulations 2004 from its generating plant located at Kondapalli IDA Krishna District in SR. In its application Lanco submitted that point of injection of power shall be PGCIL substation near Nunna, which falls in Southern Region. Since no long term beneficiaries were tied up it provided that target point of drawl of power shall be Western Region 200 MW and Northern Region 150 MW.
- b) The issue of grant of above stated LTOA to Lanco was discussed in the meeting of the Standing Committee on 03.03.2009 wherein it was clearly recorded that in the absence of finalization of beneficiaries the project authorities can sell power to any constituent in SR/WR/NR following the short term open access regulations and by paying applicable short term transmission charges. It was further clarified that *"in any case project authority shall have to share transmission charges of Southern Region proportionate to their installed capacity. Chief Engineer (SP&PA), CEA referred to the regulation-33 of the CERC's Tariff regulation,*

2009 wherein the issue has been covered in detail.” From the above it is clear that the transmission charges were to be paid by Lanco as per the CERC (Terms and Conditions of Tariff) Regulations, 2009 including regulation 33 thereof.

- c) The long term open access was granted to Lanco on 06.07.2009. The said permission clearly showed that there was no identified beneficiary and WR and NR were shown as target drawee utilities.
- d) A BPTA was signed between Lanco and PGCIL on 02.09.2009. It clearly shows that there were no identified beneficiaries and target drawee utilities were shown as any constituent State in Western Region and Northern Region. Clause 2 of the BPTA provided that the LTOA has been granted in accordance with CERC (Open Access in Inter-state Transmission) Regulations, 2004. Therefore it is clear that the open access has been granted to Lanco under the 2004 regulations. It may be noted that the said 2004 regulations in Regulation 16 (i) provided that the transmission charges will be in accordance with the terms and conditions of tariff notified by CERC from time to time. This makes it clear that transmission charges were to be paid by Lanco as per CERC (Terms and Conditions of Tariff) Regulations, 2009 since they came into force before the grant of LTOA approval to Lanco.
- e) The transmission charges to be paid by any long term open access customer continued to be paid according to the CERC (Terms and Conditions of Tariff) Regulations, 2009 including Regulation 33 thereof. Therefore there is no question of any change in the payment mechanism or sharing of transmission charges by Lanco due to the coming into force of CERC (Grant of Connectivity, Long Term Access and Medium Term Open Access in Inter-state Transmission and Related matters) Regulations, 2009.

CERC framed (Sharing of Inter-state Transmission Charges and Losses) Regulations, 2010 on 15.06.2010. The said Regulations came into force on 01.07.2011. After coming into force of the said regulations Regulation 33 of the CERC (Terms and Conditions of Tariff) Regulations 2009 was repealed and a new sharing of transmission charges and losses regime came into force. Since the said regulations have a prospective effect the said regulations can be applied to the

BPTA dated 2.9.2009 between Lanco and PGCIL from 1.7.2011 only and not retrospectively.

- f) On 24.11.2011 CERC made a first amendment to its (Sharing of Inter-state Transmission Charges and Losses) Regulations 2010, which provided for the Point of Demand (PoD) charges and inclusion of definition of target region for the first time in the regulation with effect from the date of publication of the said regulation in the official gazette. The above amendment regulations were published in the official gazette on 25.11.2011 and came into force on the said date. The provisions of this regulations can not be given any retrospective effect and are prospective in nature.

Thus, from the above it is clear that before 01.07.2011 it is only CERC (Terms & Conditions of Tariff) Regulations, 2009 applied to the said BPTA dated 02.09.2009 and there is no occasion for PGCIL – WR to raise bill for a period prior to 01.07.2011 on the basis of the CERC (Sharing of Inter-state Transmission Charges and Losses) Regulations, 2010. The bill dated 24.08.2011 raised by PGCIL – WR on Lanco for the period March 2011 to June 2011 is not valid and cannot be sustained. In view of the above it is kindly requested that the revision in REA may be reverted and PGCIL be directed to withdraw the bill dated 24.08.2012.

GUVNL representative with regards to point b) stated that in the minutes of meeting of the Standing Committee of SR held on 03.03.2009, there is no mention of the fact that LKPL, in the absence of finalization of beneficiaries, has to share only SR transmission charges and not to share the regional transmission charges of WR & NR and related inter-regional link charges. However it was clarified that in the above said meeting that *“in any case project authority shall have to share transmission charges of Southern Region proportionate to their installed capacity. Chief Engineer (SP&PA), CEA referred to the regulation-33 of the CERC’s Tariff regulation, 2009 wherein the issue has been covered in detail.”*

GUVNL representative further stated that as per regulation 33 (7) of the CERC (Terms and Conditions of Tariff) Regulations, 2009, which is an independent regulation providing for sharing & payment of regional as well as Inter-regional transmission charges in accordance to regulation 33 (1) to (4) by the concerned generating company (in

this case LKPL) corresponding to any plant capacity for which a beneficiary has not been identified and contracted which was in force before grant of LTOA to LKPL and signing of BPTA by LKPL. Therefore LKPL is required to pay the transmission charges for the target regions as well as the transmission charges for the inter-regional links involved also in addition to the SR transmission charges, since the beneficiaries have not been identified. The inclusion of LKPL in the revised REA accounts for the months of March 2011 to June 2011 were not because of giving retrospective effect to CERC's (Sharing of Inter-state Transmission Charges and Losses) Regulations, 2010 or CERC's (Sharing of Inter-state Transmission Charges and Losses) Regulations 2010 (first amendment) which came into effect from 25.11.2011. However it is as per the regulation in force at that time i.e. CERC (Terms and Conditions of Tariff) Regulations, 2009. GUVNL representative further requested that instead of 200MW the share of LKPL be revised to 350 MW in the WR transmission account since 150 MW targeted to NR is through the WR transmission system. Further, as regards submission of LKPL in its letter no. LKPL:PGCIL:4549:2012 dated 31.08.2012, that LKPL is neither a 'beneficiary' as required by 33(i) and 33(ii) nor a Generating company owning generating stations connected to inter-state transmission system in western region as required by 33(iii), GUVNL representative pointed out that the opening words of regulation 3, "In these regulations, unless the context otherwise requires" are relevant in respect of definition of 'beneficiary' and therefore, LKPL in absence of identified long term customers is beneficiary for Regulation 33(1) and 33(2) in respect of sharing of regional transmission charges and Regulation 33 (3) for sharing of Inter-regional links charges. GUVNL representative also pointed out that CTU's letter dated 07.09.2012 at para-4 reads as, "M/s LANCO Kondapalli has signed BPTA on 2nd September, 2009 and agreed to pay transmission charges to WR, NR, SR including inter-regional links & ULDC charges."

GUVNL representative citing LKPL letter no. LKPL: WRPC: 4587:2012 dated 10.09.2012, told that LKPL have not been charged compensation for relinquishing the 100MW of LTOA since there was no stranded capacity because of relinquishing of part of LTOA as per CTU. However, as per regulation (12) of the CERC (Open Access in Inter-state Transmission) Regulations, 2004 for Exit Option "A long-term customer shall not relinquish or transfer his rights and obligations specified in the Bulk Power Transmission Agreement, without prior approval of the Commission and subject to payment of compensation, as may be determined by the Commission". Therefore before relinquishing the part of LTOA whether prior approval of the Commission is required or

not and whether CTU is competent to relinquish the LTOA without payment of compensation or whether any approval of Hon'ble CERC is taken both in case of M/s LKPL and M/s Torrent Power Limited. POWERGRID representative stated that such matters are discussed in the meeting on LTOA in respective Regions and the decisions might have been taken following the procedures laid down in the regulations on relinquishing the LTOA without payment of compensation. He agreed to revert back on the matter for clarifying the issue. GUVNL representative referring to Clause no. 31.1.1.(i) of "Detailed Procedures of Central Transmission Utility under Regulation 27 (1) of the CERC (Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-State Transmission and related matters) Regulations, 2009" conveyed that the same is applicable in these cases.

LKPL representative informed that exit option in CERC (Open Access in Inter-state Transmission) Regulations, 2004 has been repealed in the CERC (Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-State Transmission and related matters) Regulations, 2009.

Referring to the routing of LTA targeted to NR, POWERGRID representative clarified that the LTOA targeted to NR is routed through WR as per BPTA signed and therefore the total quantum of LTOA of LKPL will have to be considered in the WR transmission share.

Committee expressed that retrospective effect have not been given to the CERC's (Sharing of Inter-state Transmission Charges and Losses) Regulations 2010 (first amendment), while considering the share of LKPL in the revised REAs for the months of Mar-11 to June-11 for sharing of transmission charges of WR which pertained to pre PoC regime and share of LKPL has been considered as per LTA and prevailing regulation at that point of time. Further, as intimated by POWERGRID the LTOA targeted to NR and routed through WR may also be considered for sharing of transmission charges of WR. LKPL may approach CERC if it feels that the interpretation of the Commercial Committee is not as per CERC regulations cited above.

End of discussion.

B) Pertaining to DVC Mejia :

Discussions of the 62nd CCM LTA from DVC Mejia to MP issue :

Superintending Engineer (Comml.) stated that with reference to DVC Mejia it has been intimated by PGCIL that as per GoI allocation 200MW from DVC Mejia U# 5 & 6 (100MW from each unit) has been allocated to M.P. and no separate LTA has been given by POWERGRID to DVC Mejia U# 5 & 6.

WRPC vide letter WRPC/Comml-I/REA(Corr)/2012/955 dated 03.07.2012 copy endorsed to ED(SEF), have again requested PGCIL to clarify on the different status (i.e. LTA in one correspondence and GoI allocation in other correspondence) of the LTA from DVC to MP.

PGCIL was requested vide copy of the letter No. WRPC/Comml-I/REA (Corr)/2012/955 dated 03.07.2012, endorsed to them to give the exact quantum and date of effect of the GoI allocation or the LTOA from DVC Mejia to M.P., so that the pre PoC REAs can be further revised which is still awaited from them.

GM WRLDC stated that in 2011 a meeting was convened in ER to address the issue of effect of allocations from DVC Mejia/ Chandrapura plants to various utilities. Therefore the minutes of the meeting may be referred to ascertain the exact dates for effect of the LTA/GoI allocations.

Committee opined that in absence of clarity on LTOA/GoI allocations in the above meeting the share for transmission charges for LTOA/GoI allocations from DVC Mejia/Chandrapura to MPPTCL may be considered as per the REAs of ER, since the allocations for ER stations is issued by GoI through ERPC.

PGCIL representative agreed on the above suggestion made by GM WRLDC, PGCIL would also give a formal communication to WRPC on above.

End of discussion.

Accordingly ERLDC was requested vide letter No. WRPC/Comml-I/REA(Corr)/2012/1718 dated 02.11.2012 to forward the minutes of the meeting for ascertaining the quantum and date of effect of LTA from DVC Mejia to MP. ERLDC vide letter No ERLDC/OA/2012/348 dated 15.11.2012 have forwarded the MoM dated 22.11.11 (copy enclosed at **Annex.-2.1**) and intimated the quantum of 100MW each from MEJIA Unit #5 and Unit#6, however the date of effect is not communicated also dated of effect of these LTA/GoI allocations have also not mentioned in the MoM dated 22.11.11.

PGCIL vide C/SEF/W/WRPC dated 06.11.2012 (copy enclosed at **Annex.-2.2**) in continuation to their earlier letter C/SEF/W/WRPC dated 29.06.2012 regarding LTA in respect of DVC Mejia have clarified that MPPTCL has been granted LTA of 400MW from the following DVC projects:-

- (i) 200MW from Mejia TPS U#5 & U#6
- (ii) 200MW from Chandrapura TPS U#7 & U#8.

However the date of effect of these LTAs has not been mentioned in the above letter.

Following quantum was accounted in the REAs of ERPC as against the quantum accounted in WRPC REA.

Month	Quantum accounted in ERPC REA	Quantum accounted in WRPC REA
Mar 08 to Oct 08	100MW	100MW
Nov 08	200MW	100MW
Mar 11 to June11	200MW	100MW pre revised. After Korba-7 revision 400MW.

Quantum accounted in the REAs of ERPC as above would be incorporated in the future revisions of the REAs for the above period.

Discussions of the 62nd CCM Torrent Power issue :

M/s Torrent Power vide letter TPL/SUGEN/COMMERCIAL/12-13/028 dated 15.06.2012 have intimated that the 100MW LTOA from TPL to MP from 27.03.11(effective from April 2011) has not been considered in the revised REAs for April-June-11.

Superintending Engineer (Comml.) intimated that this would be incorporated during further revision in REAs for April-2011 to June-2011, after receipt of communication on revision in requisite data from WRLDC in respect of Korba Stage-III for the period 21.3.2011 to 30.6.2011.

End of discussion.

The above would be incorporated in the future revisions of the REAs for the above period.

Discussions of the 62nd CCM Kahalgaon-II,DD & DNH :

GUVNL vide letter GUVNL: GM (Com):1345 dated 07.06.2012 (copy enclosed at **Annex-2.5**) have requested for revision of REAs for the following reasons:

- (i) Inclusion of 148MW share of Maharashtra from Kahalgaon-II as per allocation of MoP vide letter dated 19.03.2010 for the period Aug-10 to Jan-11.
- (ii) Inclusion of 350MW LTOA of Lanco Kondapalli w.e.f 07th Dec 2009 to 28th Feb 2010 for WR Inter State & respective Inter Regional charges and wheeling of power to DD & DNH.
- (iii) Monthly transmission charges for transmission of power to DD & DNH through GETCO transmission system for the period 01.04.2004 to 31.03.2009 and up to 30.06.2011 as per CERC order dated 31.07.2009 and 03.02.2009.

Committee opined that 148MW share of Maharashtra from Kahalgaon-II as per allocation of MoP vide letter dated 19.03.2010 for the period Aug-10 to Jan-11 shall be considered for revision in the REA for the period Aug-10 to Jan-11. As regards to monthly transmission charges for transmission of power to DD & DNH through GETCO transmission system for the period 01.04.2004 to 31.03.2009 and up to 30.06.2011 the same was discussed in the 13th meeting of WRPC held on 09th April 2010 at Mumbai wherein the discussion on this matter has been recorded at Item 10.2. Revisions if any may be done as per the decision of the above WRPC meeting.

End of discussion

Based on the above discussions, WRPC Secretariat is considering the following LTOA for preparing the accounts:

A) Lanco-Kondapalli

Month	Quantum to be considered in REA	Remarks
Sep 09 to Feb 10	150MW +80MW	As per PGCIL letter C/SEF/W/WRPC dated 29 th June 2012
Mar 10 to June 11	200MW+150MW	

B) DVC-Mejia

Month	Quantum to be accounted in WRPC REA
Mar 08 to Oct 08	100MW
Nov 08	200MW
Mar 11 to June11	200MW

C) Torrent Power

Month	Total LTA	Remarks
Apr-11 to Jun-11	500MW	Share of Torrent Power 400MW Share of MP 100MW

D)

Month	Quantum to be considered in REA	Remarks
Aug-10 to Jan-11	148MW	Share of Maharashtra from Kahalgaon-II

Committee may like to note.

ITEM No. 3: Evacuation of power from Korba STPS-III of NTPC.

In the matter of evacuation of power from Korba unit 7 of stage III of NTPC station after declaration of commercial operation (COD) of the unit till commissioning of the identified 400 kV Raipur-Korba D/c line, Hon'ble CERC vide para no 32 of order dated 6.9.2011 in petition no 122/2011 has directed as follows:

Quote:

“In view of the foregoing discussion, we have come to the conclusion that the petitioner is bound by the terms and conditions of the BPTA and the Implementation Agreement signed by it with the CTU. However, after allocation of power from Korba-III by Government of India, Ministry of Power to the western region beneficiaries and execution of PPAs by the petitioner, the western region beneficiaries have become long term customers by operation of Regulation 2(1)(m) of the Connectivity Regulations. The long term customers have right to schedule power on long term access from Korba-III on the available spare capacity and such scheduling shall have priority over the medium term open access and short term open access. The ATS for Korba-III was declared under commercial operation with effect from 27.6.2011. Consequently, scheduling of power from Korba-III for the period from 21.3.2011 to 26.6.2011 on the existing transmission capacity shall be deemed to have been made on long-term access. The energy and UI accounts shall be revised and settled accordingly. “

Un-Quote

The WR Power Committee in the 18th WRPC meeting held on 1.10.2011 decided that WRLDC would refund whatever charges collected by WRLDC from all the constituents on account of short term scheduling of power from Korba-III and would furnish necessary data to WRPC Secretariat to revise the energy and UI accounts and suggested that accounting details may be finalized based on data to be furnished by WRLDC in line with the above mentioned CERC order dated 6.9.2011.

In order to implement the above order of Hon'ble Commission, WRLDC have submitted the 15-minute block-wise data viz DC of unit no 7 of Korba-III, entitlements of beneficiaries of Korba-III, their Long-Term schedules from Korba-III and related data necessary for preparation of revised energy and UI accounts data on 08.02.2012. Accordingly, the REAs have been revised on 30.03.2012.

During examination of revision of UI based on the data submitted by WRLDC it was observed that the revised schedules submitted by WRLDC remained unchanged and there would not be any change in payable/receivables on account of this for the above period. Hence the revision of UI A/c's was not undertaken.

In the 61st CCM, while discussing examination of the revision of UI, beneficiaries expressed that during few occasions they were unable to revise the schedules since the schedules were treated as STOA and any revision of the requisitioned schedules would not have been effective before expiry of a minimum period of two (2) days and not from the fourth time block as in case of LT schedules. Conversion of STOA schedules of beneficiaries to LTA schedules without any change in schedules due to revision of DC (as available in LTA schedules) have deprived the beneficiaries to avail the benefit of revision of schedules due to revision of DC which otherwise would have been available had the schedules been treated as LT schedules.

The Commercial Committee suggested forming of a small group comprising of members from constituents, NTPC & WRLDC who would look into such instances and the practicability of implementing post-facto revision of schedules and give its recommendation accordingly.

The group met on 14.05.2012, and it was decided that NTPC would submit following data for the period 21.3.2011 to 30.6.2011 for revision of schedules:-

- (i) date and time of tripping of Korba-III unit
- (ii) declared date and time of restoration of the unit

- (iii) actual date and time of restoration of the unit
- (iv) DC prior (at the time of tripping)
- (v) DC after restoration (at the time of restoration of the unit).

During the 20th WRPC meeting held at Indore on 18.05.2012, WRLDC and PGCIL representatives informed that a petition has been filed with Hon'ble Appellate Tribunal against the above order of Hon'ble CERC by PGCIL. MPPMC in the meeting requested to issue the revised UI account in defined time frame preferably before next WRP Committee meeting to be held in September 2012, which was agreed by the WRP Committee.

WR Power Committee in 20th WRPC recommended that since there is no stay on Hon'ble CERC order by Hon'ble Appellate Tribunal, the CERC directives could be acted upon so that the dues are settled as per CERC order, revision of UI A/c's shall be carried out by WRPC on receipt of revised data from WRLDC.

As decided by small group comprising of members from constituents, NTPC & WRLDC regarding submission of data by NTPC, NTPC vide email dated 01.06.2012 submitted the data which was circulated to the beneficiaries and WRLDC for validation vide WRPC letter WRPC/Comml-I/3/ABTREA/2012/739 dated 01.06.2012 and reminder to beneficiaries for forwarding their comments if any by 25.06.2012, vide letter WRPC/Comml-I/3/ABTREA/2012/864 dated 20.06.2012. MPPTCL vide their letter 07-05/RPC-14/1273 dated 14.06.2012 have intimated that the data submitted by NTPC was verified and is in order.

WRPC vide letter WRPC/Comml-I/3/ABTREA/2012/904 dated 26.06.2012 requested WRLDC for revision of schedules based on the data forwarded, observations of GUVNL and as per the decision taken in the meeting held on 14th May 2012 at WRPC.

WRLDC vide letter WRLDC/MO-II/2012/6806 dated 13.08.2012 have intimated that the Data forwarded in the above matter only contains tripping details of NTPC Korba Stage-III and with this data, the schedules cannot be revised and 96 block wise DC which is agreeable to all the constituents is required for revision in schedules of NTPC Korba Stage-III. Further POWERGRID did not agree with the aforesaid CERC order dated 06.09.11 and has submitted its appeal before Appellate Tribunal against the CERC order. The same has been accepted by Appellate Tribunal and the first hearing already taken place on 23.07.2012. Further they have intimated that the matter is still sub-judice and the

decision of Appellate Tribunal is awaited, the matter will be settled after the decision of Appellate Tribunal.

WRPC in view of the decisions of 20th WR Power Committee, vide letter WRPC/Comml-I/3/ABTREA/2012/1296 dated 17.08.2012, requested WRLDC to review their stand expressed in the above letter.

Discussions of 62nd CCM

GM WRLDC stated that they have not received the data of DC prior (at the time of tripping) and DC after restoration. NTPC representative informed that this data was already given to WRLDC and the same would again be given to WRLDC.

MSEDCL representative stated that there would be modification/revision of the beneficiary schedules during which the DC of Korba Stage-III was revised by NTPC also in addition to above. Other members expressed that as decided in the meeting to discuss revision of the schedules in respect of Korba Stage –III held on 14th May 2012 the failure to revise the schedules under such occasions was the individual organisational issue and had it been addressed by MSEDCL the way other beneficiaries addressed the issue would not have aroused.

GUVNL/GETCO, CSPDCL/CSPTCL, MPPMCL representative were of the opinion that they do not intend to agree modification/revision of schedules as desired by MSEDCL, since this would mean revision of the schedules post facto. GUVNL/GETCO, CSPDCL/CSPTCL, MPPMCL representative stated that they have acted based on the real time drawal status of their utilities at that point of time and any revision in schedules as desired by MSEDCL would have adverse UI implications on their utilities which has not been directed in the CERCs order.

Committee discussed and expressed that post facto modification/revision of schedules would be inappropriate as other beneficiaries except Maharashtra have acted based on the real time drawl status of their utilities (might have availed the URS) at that point of time. NTPC may give the data of DC prior (at the time of tripping) and DC after restoration as decided in the meeting held on 14th May 2012 at the earliest to WRLDC and WRLDC shall revise and submit the data to WRPC for further revisions of REA and UI accounts.

End of discussion.

WRLDC vide letter No. WRLDC/MO-II/2012 dated 07.11.2012 have forwarded the revised schedules data as per the decision of 62nd CCM.

The status on revision of UI and REA accounts for the above period are under preparation and would be intimated in the meeting.

Committee may like to discuss.

ITEM No. 4: CERC order on determination of POC rates and transmission losses.

- (i) : CERC vide order No. L-1/44/2010-CERC dated 30.11.2012 have approved the POC slab rates for Long Term Access and Medium Term Open Access(MTOA) in Rs./MW/Month and rates for STOA in paisa per unit for each generation (injection) zone and Demand (withdrawal) zone (enclosed at **Annex- 4.1**) for the second half of the year 2012-13 i.e.01.10.2012 to 31.3.2013. Similarly the PoC losses in percentage for each Generation (injection) zone and Demand (withdrawal) zone have been approved (enclosed at **Annex- 4.1**) for the second half of the year 2012-13 i.e.01.10.2012 to 31.3.2013.

Further it has been directed that the application of the new PoC loss slabs for the period 1.10.12 to 31.3.13 shall be made applicable from 3.12.12.

The RT and RTD Accounts of WR were prepared as per the revised approved rates from Nov.2012. The Oct 2012 Accounts would be revised shortly in line with the above order.

- (ii) Consequent to promotion/transfer of Shri A.P.Bhairave, Shri P.A.R Bende CE(LD) MPPTCL have been nominated as a member for the validation Committee for implementation of CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations 2010 vide WRPC letter No. WRPC/Comml-I/3/POC/2013/38 dated 09.01.2013 (copy enclosed at **Annex.-4.2**).

Committee may like to note.

ITEM No.5: Grid disturbance on 30.07.2012 & 31.07.2012 and the implications on the schedules of WR constituents.

- (i) SLDC MSETCL vide letter No.MSLDC/TECH/SO/1815 dated 22.08.12 addressed to WRLDC POSOCO have intimated that during the two major

disturbances occurred on 30.07.12 & 31.07.12, no instruction of curtailment was received on 30.07.12 & 31.07.12 for interstate bi-lateral transaction. Also there was no revision of schedules on WRLDC website on the same day. The only instruction of curtailment was received for 31.07.12 for power exchange transactions (collective transaction) from 13:00 to 24:00hrs. The JAW-PSCL and AMNEPL-West Bengal Power approved OA transactions were reduced to zero for the above period as seen from the implemented schedules posted on the WRLDC web site and the above transactions were revised suo moto on the next day in WRLDC schedules. As there was no instruction from RLDC about the revision of power in real time, power was injected in the grid by the above entities, hence affecting the Intra state settlement of Energy account, as buyers duration of purchase is revised post dated, causing imbalance. SLDC therefore have sought decision in this regard of curtailed powers.

WRP Committee in the 21st meeting approved the recommendations on revision/suspension of schedules taken in 62nd CCM and revision/suspension of schedules of CGPL units on 31.07.2012 also. As regards to the issue raised by SLDC MSETCL above, Committee expressed that WRLDC may look into it and arrive at amicable solution.

WRLDC have recently forwarded the revised data in respect of CGPL Mundra and Vindhyachal STPS, the UI & REA would be revised shortly. WRLDC may give status on Sr. No.(i).

Committee may like to discuss and arrive at acceptable decision.

ITEM No.6. Declaration of CGPL Mundra unit #30 into commercial operation:

GUVNL vide letter GUVNL:GM(Com.):2592 dated 21.11.12 (copy enclosed at **Annex.-6.1**), have requested to revise the RTA issued vide WRPC/Comml-I/RTA/2012/10.0/11045 dated 12.11.2012, wherein the approved with drawl of 3753.12MW computed in respect of GUVNL by considering 780.23 MW share of GUVNL from Mundra UMPP for Oct.-12. However the share of GUVNL from Mundra UMPP needs to be corrected as 776.83 MW since actual COD of unit#30 declared by CGPL is from 07:00hrs of 27.10.2012 and the COD of this unit is considered 00:00 hrs of 27.10.2012 by WRPC for arriving at the approval with drawl of Gujarat.

WRLDC vide letter WRPC/O.M.-I/1530/2012 Dtd. 01.11.2012 (copy enclosed at **Annex.-6.2**) have intimated the COD of CGPL Mundra Unit No.#30 w.e.f. 00:00hrs of 27.10.2012, accordingly the approved with drawl of Gujarat was arrived at.

Committee may like to discuss and finalize the date of COD of CGPL MUNDRA Unit no 30.

ITEM No.7: Declaration of generating units into commercial operation & synchronisation/connection of generating units with/to the grid.

7.1:WRLDC vide letter WRPC/O.M.-I/1530/2012 Dtd. 01.11.2012 (copy enclosed at **Annex.-7.1**) have intimated that Unit No. 30 have successfully completed the 72hrs commissioning test. The third unit (Unit No. 30) have been declared in Commercial Operation (COD) from 27th Oct 2012.

7.2: APL vide letter APML/SLDC/12092012 dtd. 12.09.2012 (copy enclosed at **Annex.-7.2**) have intimated that Unit-1 has been successfully commissioned after achieving full load at 13:07hrs on 11.09.2012.

7.3: WRLDC vide letter WRPC/O.M.-I/1530/2012 Dtd. 30.09.2012 (copy enclosed at **Annex.-7.3**) have intimated that Unit No.1 (660MW) of Sasan UMPP(3960MW) have synchronised with the grid and started commissioning work from 17.09.2012. Unit No. 1 (600MW) of KSK Mahanadi (6x600MW) have been synchronised with the grid and started commissioning work from 17.09.2012.

7.4: WRLDC vide letter WRPC/O.M.-I/1530/2012 Dtd. 04.10.2012 (copy enclosed at **Annex.-7.4**) have intimated that Unit No.1 (135MW) of Vandana (3960MW) have connected with the grid and started commissioning work from 29.09.2012.

7.5: WRLDC vide letter WRPC/O.M.-I/1530/2012 Dtd. 25.10.2012 (copy enclosed at **Annex.-7.5**) have intimated that Unit No.1 (50MW) of Spectrum coal & power (2x50MW) have connected with the grid and started commissioning work from 17.10.2012.

7.6: WRLDC vide letter WRPC/O.M.-I/1530/2012 Dtd. 22.11.2012 (copy enclosed at **Annex.-7.6**) have intimated that Unit No.1 (300MW) of GMR EMCO (2x300MW) have connected with the grid and started commissioning work from 27.10.2012.

7.7: WRLDC vide letter WRPC/O.M.-I/1530/2012 Dtd. 03.01.2013 (copy enclosed at **Annex.-7.7**) have intimated that Unit No.#40(800MW) of GCPL Mundra UMPP have synchronised with the grid from 28.12.2012.

Committee may like to note.

ITEM No.8: Declaration of transmission elements into commercial operation by PGCIL.

8.1: PGCIL vide letter No. WRTS:COMML:NGP/102 dated 01.11.2012 (copy enclosed at **Annex.-8.1**) have intimated that a 240MVAR switchable line reactor(SLR) on 765kV Ranchi-Sipat S/c line at Bilaspur S/s under “Common scheme for 765kV pooling stations and network for NR (Common for Sasan UMPP+NKP+Maithon/Koderma/Mejia/Bokaro/Raghunathpur/Durgapur+Import by NR from ER and from NER/SR/WR via ER) and common scheme for network for WR (Common for NKP + Maithon/Koderma/Mejia/Bokaro + Raghunathpur/Durgapur+Import by WR from ER and from NER/SR/WR via ER)” have been put into regular operation and is being used as Bus Reactor till commissioning of 765kV Ranchi-Sipat S/c line. The SLR is under commercial operation w.e.f. 01st November 2012. Accordingly, the monthly transmission charges for above element will be payable from 01st November 2012 by concerned DICs as per CERC (sharing of inter state transmission charges and losses) Regulation 2010.

8.2 : PGCIL vide letter No. WR-II/VDR/COML/6908 dated 16/19.11.2012 (copy enclosed at **Annex.-8.2**) have intimated that the Ckt-I of 400kV D/C Gandhar-Navsari T/L along with associated bays at Gandhar and Navsari end are commissioned and put into commercial operation in Western Region w.e.f. 01.11.2012. Accordingly, the monthly transmission charges for above transmission element will be payable by all concerned from 01st November 2012. Further it has been intimated that the Ckt-II of 400kV D/C Gandhar-Navsari T/L along with associated bays at Gandhar and Navsari end has already been commissioned and commercialised w.e.f. 01/08/12.

8.3 : PGCIL vide letter No. WR-II/VDR/COML/6909 dated 16/19.11.2012 (copy enclosed at **Annex.-8.3**) have intimated that the 765kV S/C Satna-Bina Ckt-I

T/L (planned under Sasan UMPP Transmission System) was charged at 400kV level as per decision of 32nd meeting of Standing Committee on Power System Planning in Western Region held on 13th May 2011 at NRPC, under the contingency scheme for Rihand-III & Vindhyachal-IV on 31.01 2012 and put into regular operation in WR.

The element is now upgraded to its rated voltage level i.e. 765kV w.e.f. 01/10/12. Accordingly, the monthly transmission charges for above transmission element will be payable by all concerned from 01st October 2012 as applicable for 765kV voltage level.

8.4 : PGCIL vide letter No. WRTS: COMM:NGP:164 dated 01.01.2013 (copy enclosed at **Annex.-8.4**) have intimated that 400kV D/C (Quad Moose) Raipur-Wardha line along with FSC in each circuit (40% compensation rating) at Wardha end under WR strengthening Scheme-II Set-A has been commissioned on 31.12.2012. The T/L and FSCs are put under commercial operation w.e.f. 01.01.2013. Accordingly, the monthly transmission charges for above transmission systems will be payable from 01st January 2013 by all concerned DICs as per CERC (sharing of inter-state transmission charges & losses) Regulation 2010.

8.5 : PGCIL vide letter No. WR-II/VDR/COML/8045 dated 05/11.01.2013 (copy enclosed at **Annex.-8.5**) have intimated that the 400kV D/C Mundra-Jetpur T/L as per original scope, has been charged successfully on 31.12.2012 and put into regular operation in WR w.e.f. 01.01.2013. On charging of 400kV D/C Mundra-Jetpur line as per original configuration, contingency arrangement of LILO of one circuit of 400kV D/C Mundra-Limbdi line at Jetpur is discontinued w.e.f. 31.12.12. Accordingly, the monthly transmission charges for above transmission systems will be payable from 01st January 2013 by all concerned DICs as per CERC (sharing of inter-state transmission charges & losses) Regulation 2010.

8.6 : PGCIL vide letter No. WR-II/VDR/COML/8043 dated 05/11.01.2013 (copy enclosed at **Annex.-8.6**) have intimated that the 125MVAR, 400kV three phase spare Reactor has been procured for Itarsi S/S under “Provision for spare ICTs & Reactors for Eastern, Northern, Southern and Western Region” and the same has been put into commercial operation in WR w.e.f. 01.01.2013. Accordingly, the

monthly transmission charges for above transmission systems will be payable from 01st January 2013 by all concerned DICs as per CERC (sharing of inter-state transmission charges & losses) Regulation 2010.

8.7 : PGCIL vide letter No. WR-II/VDR/COML/8046 dated 05/11.01.2013 (copy enclosed at **Annex.-8.7**) have intimated that interconnection of “400kV D/C (Quad) Vindhyachal-IV (NTPC)-Vindhyachal (Pooling station)” along with “400kV D/C (twin) Vindhyachal pooling station-Sasan line [by passing Vindhyachal pooling S/S]”, thus making it direct “400kV D/C Vindhyachal-IV-Sasan line” to facilitate the evacuation of power from VSTPP-IV Generation Project (under contingency plan) associated Transmission Scheme for “Rihand-III & Vindhyachal-IV” has been charged successfully on 29.12.2012 and put into commercial operation w.e.f. 01.01.2013. This is as per approval from CEA vide letter no.26/10/2012/SP & PA/1244 dated 26.11.2012. Accordingly, the monthly transmission charges for above transmission systems will be payable from 01st January 2013 by all concerned DICs as per CERC (sharing of inter-state transmission charges & losses) Regulation 2010.

8.8 : PGCIL vide letter No. WR-II/VDR/COML/8044 dated 05/11.01.2013 (copy enclosed at **Annex.-8.8**) have intimated that 765kV S/C Sasan-Satna Ckt-I at 765kV level (as per original scheme of Sasan UMPP) T/L has been completed. Charging clearance from CEA has been received on 21.12.2012. This T/L shall be charged and synchronised at rated voltage as and when the switchyard of SASAN UMPP is ready for commissioning. This is in line with the in-principal approval by CEA vide their letter ref: 26/10/2012/SP&PA/1244 dated 26.11.2012. Accordingly, the monthly transmission charges for above transmission systems will be payable from 01st January 2013 by all concerned DICs as per CERC (sharing of inter-state transmission charges & losses) Regulation 2010.

Committee may like to note/discuss.

ITEM No. 9: Grant of MTOA and LTOA by POWERGRID.

The list of LTOAs/MTOAs received from NLDC and applicable from the month of Decbember-12 for computation of RTA is enclosed at **Annex-9**.

Committee may like to note.

ITEM No.10 : Operationalisation of “W3” Bid Area.

WRLDC vide letter No. WRLDC/MO-II/2012 dated 13.09.2012 have intimated that as per communication from NLDC, a new bid area named “W3” will be put into operation from 18.09.2012. NLDC has already displayed TTC/ATC of W3 exporting zone on their web site. The area covers the utilities of Korba NTPC, Sipat NTPC, all generating and Discoms of Chattisgarh control area, BALCO, NSPCL, JPL, JSPCL, ACBIL, LANCO and Sterlite.

Deliberations of the 62nd CCM:

CSPTCL representative raised concern on the formation of the W3 bid area by NLDC and opined whether NLDC is empowered to demarcation/creation of bid area. Communication received from CSPTCL vide letter MD/CSPTCL/Tech.Cell/565 dated 06.10.2012.

JPL representative stated that due to creation of this bid area the generators in this area are unable to trade through power exchanges due to lesser transmission margins.

GM WRLDC stated that since scheduling of the trade on Power Exchange platform is being done by NLDC and creation of the bid area might have been done as per the provisions of the regulations and instead of discussion on this issue members may explore how to deal this issue by making available extra transmission margins for power trading through Power Exchanges by optimising utilization of the transmission lines in the corridor which are otherwise out due to system constraints.

Committee felt that separate meeting may be arranged on 19.10.2012 and NLDC representative may be invited for discussion to understand various issues involved in “W3” bid area formation.

End of discussion.

Accordingly a meeting was held on 19.10.2012 at Mumbai wherein it was desired that NLDC would clarify on following issues (MoM is enclosed at **Annex-10**).

- 1) Necessity of W3 bid area.
- 2) Carving of new “W3” bid area out of two areas in WR and ER.
- 3) Whether NLDC has the necessary mandate to create such a bid area?

- 4) How the bid area is configured?
- 5) Whether it has solved the problem or it has generated new problem?
- 6) Why consensus was not evolved?
- 7) Why Sterlite generation is taken in W3 overstepping Regional boundary?

GM NLDC gave detailed presentation on formation of the W3 bid area.

It was felt that system strengthening and reactor installation are continuous process and being planned and monitored by various groups/forums of CEA/CTU. It is inappropriate to visualise in evolving system to have all the grid elements in place and all parameters in limits. W3 bid area formation is formed to take care of present problem of congestion. But due to formation of W3 bid area generation should not be bottled up, as region is facing a shortfall and the shortfall will increase during winter season.

After discussions NLDC was requested to either to review the creation of the W3 bid area and retain the earlier area demarcations or exclude sterlite from the W3 bid area.

In the 21st WRPC meeting the matter was discussed and Committee opined that since petition has already been filed by M/s JPL on the above issue therefore it would be inappropriate to make any comment on the above issue; however NLDC may review its stand in calculation of margins for STOA as per WRPC request.

Further a meeting by Shri Devendra Chaudhry Additional Secretary, Ministry of Power was convened on 12.12.2012 where in issue of W3 bid area was discussed. Additional Secretary, Ministry of Power stated that due to generation addition by Korba STPS and Sipat STPS who are long term customers, there is a reduction of margins in Available Transfer Capability (ATC). The IPPs in W3 Area were earlier utilizing the margins available under Short Term Open Access (STOA). He stated that the IPPs in the region had not taken advance action in terms of arranging transmission and were therefore responsible for the current situation.

Committee may like to note.

ITEM No.11: MOU for CPPs in WR in case of Black Start Recovery after a Grid Disturbance

WRLDC vide letter No. AGM/WRLDC/12/617 dated 04.10.2012 has intimated that in line with the minutes of the meeting taken by Member (GO&D) on 28th August 2012, a

draft MOU has been prepared by WRLDC so as to ensure that there is no commercial issue raised by any utility including CPP's in WR in case of Black start Recovery after a grid disturbance. The matter was also discussed in the Operation sub-Committee, wherein it was decided that the matter be referred to Commercial sub-Committee.

Discussions in the 62nd CCM:

GM WRLDC gave a brief background on the need for signing the MOU by management of utilities of WR region with CPPs under their control area for early recovery in the event of Grid Failure.

Committee felt that separate meeting may be arranged on 19.10.2012 and representatives of CPPs in the region having installed capacity of 100MW and above may be invited for discussion.

End of discussions.

Accordingly a meeting on Signing of MOU by management of all utilities/CPPs in WR, held on 19.10.2012 at Mumbai wherein representative from CCPs in WR participated and presented their views (Copy of MoM enclosed at **Annex.-10**).

After discussing the concerns of the CPPs, it was opined that the CPPs and management of utilities shall ascertain the threats & opportunities and accordingly decide on whether to sign MOU with particular CPP.

Committee may like to know any such MOU signing with CPP by any state.

ITEM No.12: Metering of HVDC Mundra-Mahendragad

GUVNL representative intimated that the peripheral metering provided at Mahendragad S/S for accounting drawal/injection of Gujarat is registering the circular power flow of NR through these lines and thereby resulting in incorrect recording of power by this metering arrangement.

WRLDC/NLDC may explain the metering scheme in detail and clarify on the above.

Committee may like to discuss.

ITEM No.13: Energy transaction between WR & SR.

SRPC vide letter SRPC/SE-I/2011/8478-79 dtd. 25.10.2011 have indicated amount payable/receivable on various energy transactions done during October 2001 to December 2002 between WR and SR. WR Constituents were requested vide WRPC letter No

WRPC/Comml-I/4/Corr/2011-1750 Dtd. 11.01.2011 to intimate the status on liquidation of dues.

In the 60th CCM it was observed that in the statement forwarded by SR, receivable by SR is only indicated, SR needed to indicate payable by them too. He requested WRPC to take up the matter with SR. Committee further felt that WR constituents may work out their dues and forward the same to WRPC at the earliest. The views expressed by members in the 60th CCM were communicated to SRPC vide letter No. WRPC/Comml-I/ABTREA/2012/330 Dtd.19.03.2012.

A separate meeting of WRPC/WRPC constituents with SRPC/ SRPC constituents was held on 10.04.2012 at WRPC Mumbai wherein following decisions were taken:

- 1) It was decided that the period of amounts payable/receivable from October 2001 to December 2002 be divided into three time frames viz. Outstanding upto August 2001 (during this period Maharashtra was nodal agency for WR & Andhra Pradesh was nodal agency for SR), September 2001 to July 2002 (during this period transactions took place bilaterally) and August 2002 to December 2002 (during this period transactions took place through PTC).
- 2) Upto August 2001 when Maharashtra & AP were nodal agencies for WR & SR respectively, letter No. PR-3/SREB/0110961 dated 26.03.2002 of MSEB was circulated giving the status of the payable/receivable account in respect of WR-SR transactions for reconciliation. It was informed by AP representative that the account was reconciled in 2005 with MSEB and the signed reconciled statement is available with them. The same would be made available within a fortnight to other constituents. The signed statement of MSEB will be treated as final settled statement for that period.

GUVNL representative informed that the accounts between MSEB & Gujarat for the above period have been settled bilaterally.

Pondicheri representative informed that there is no due (payable or receivable) to be settled for the above period by Pondichery.

AP representative informed that they had paid Rs 19.44 Corore reflected as receivable (confirmation required).

It was decided that the settlement of accounts for the period be taken up from these signed reconciled account statement.

3) For the period October 2001 to August 2002.

GUVNL representative informed that an excess amount of Rs 10, 57,227/- had been paid by GUVNL to TNEB. TNEB agreed for the same and agreed to take care of this amount in final settlement.

Pondichery representative informed that the data of GUVNL is not matching with their data for Nov.2001(import energy not matching) and May-2002 (export energy data not matching). GUVNL representative informed that they would check the data.

4) PTC was the nodal agency for the period August 2002 to December 2002. It was felt that PTC be involved to resolve the settlement of transactions took place during the above period. Tamil Nadu representative furnished the details of payment of @32lakhs made to PTC which were required to be paid by PTC to MP. However MP representative told that they have not received the amount.

After settlement, the balance amount was required to be passed on to Power Grid towards reduction in transmission charges of respective regions. It is therefore required to confirm with PTC whether the balance amount left out with PTC was passed to Power Grid.

5) Status of accounts prepared by individual constituents was circulated during the meeting.

6) Constituents were requested to cross check the data (their consolidated data in respect of payables/receivables with their counterpart's data). In case the accounts do not tally with the counterparts the details of such payable receivable be compiled by respective constituents and sent the same to WRPC and SRPC, so that the figures regarding payables and receivables would be firmed in the next meeting to be held in May 2012.

A meeting was held on 16th July 2012 at SRPC Bangalore. As decided during the meeting a copy of the revised REA for the month of November 2001 was forwarded to SRPC.

Following claims/representations were received from WR/SR constituents :

Sr.No.	Claimant	Letter Ref. No	Claim Against	Amount	Period
1	GUVNL	GUVNL:GM(Com.):2082 Dtd. 07.09.12	APPCC	Rs.6,63,583/-	Oct.01 to Jul. 02
2	GUVNL	GUVNL:GM(Com.):2082 Dtd. 07.09.12	TANTRANSCO	Rs.10,57,227/-	Oct.01 to Jul. 02
3	GUVNL	GUVNL:GM(Com.):2082 Dtd. 07.09.12	KPTCL	Rs.9,40,321/-	Oct.01 to Jul. 02
4	Elect.Dept. Of Pondicherry	Dtd.24.08.12	GUVNL	Rs.1,36,845/-	Oct.01 to Dec.02

5. SRPC vide letter No.SRPC/SE/2012/7000-7010 dtd. 19.07.2012 (copy enclosed at **Annex.-13.1**) have intimated the revised apportionment details for the month of Nov.2001 in respect of SR export to WR.

6. SRPC vide letter No.SRPC/SE/2012/8573-74 dtd. 04.09.2012 (copy enclosed at **Annex.-13.2**) have requested to take up the matter regarding outstanding amount of Maharashtra with MSEDCL higher management. Also vide above communication, letter of Govt. Of Pondicherry Electricity Department dtd.28.08.12 has been enclosed wherein Govt. Of Pondicherry Electricity Department, have requested MSEB to arrange to inform the amount due payable by MSEB to Puducherry for the export made to MSEB during Oct.01 to Dec.02 in respect of WR-SR bilateral transaction.

7. Goa Electricity Department vide letter No.102/01/CEE/Tech/566 dated (copy enclosed at **Annex.-13.3**) have requested MSEDCL for having a meeting to resolve over the issue of Rs. 16.86 Lacs refundable by MSEDCL to PCKL (KPTCL) and which is recovered by this department for export/import of power with KPTCL (PCKL)/SR during the period May 2000 to Dec.2000(Sept.01)

8. SRPC vide letter No.SRPC/SE/2013/333-335 dtd. 07.01.2013 (copy enclosed at **Annex.-13.4**) have enclosed the copy of letter received from Member (Finance) KSEB wherein it has been requested to release the payments urgently as KSEB is in a period of

financial stringency. Also TANTRANSCO have requested for early settlement of the pending arrears between SR & WR.

Committee may like to discuss.

ITEM No.14: Settlement of Reactive Energy Charges (REC) between MPPMC and CSPTCL.

MPPMC vide letters CGM/Regulatory/314 dated 07.12.2012 & CGM/Regulatory/364 dated 19.12.2012(copies enclosed at **Annex-14.1 & 14.2**), intimated that majority of the amount appearing in the weekly REC statements payable to CSPTCL , is on account of 400kV Bhilai-Seoni line. The 400kV Bhilai-Sarni line has been LILOed at 765kV Seoni S/S of PGCIL on 18.09.2007. According to Clause 6.6 of IEGC REC payable for lines connected with ISTS are to be settled between respective beneficiary and ISTS, and not bilaterally between the regional entities as appearing in the weekly statement issued by WRPC. CSPTCL has filed a petition before CERC alleging MPPMC for violation of CERC Regulations by not making payment to them. MPPMC have requested WRPC for revision of the REC accounts at the earliest.

WRPC requested WRLDC to look into the matter, since the REC accounts were prepared based on the data given by WRLDC for preparing the REC accounts.

WRLDCs response on above is enclosed at **Annex-14.3**.

Committee may like to discuss.

ITEM No.15: Inclusion of DC and scheduled energy data for power supplied from unit 1 to PTC for onward supply to MPPMCL under Long Term PPA dated 11.05.2005 in the monthly REA.

MP PMC vide letter No.CGM(Regulatory)/79 dated 19.01.13 (copy enclosed at **Annex.-15**) have intimated that MP PMCL is purchasing 300MW power from unit 1 of Lanco Amarkantak Power Pvt Ltd. Plant at Pathadi, Chattisgarh through PTC, under long term PPA The commencement of power has started w.e.f. 03rd Dec.2012. MPPMCL have requested that since unit 1 of Lanco is controlled by WRLDC, the DC and scheduled energy data may be considered for inclusion in the REA being issued by WRPC on monthly basis.

Committee may like to discuss.

ITEM No.16: Scheduling of Kawas and Gandhar.

The matter was discussed in the 443 OCC meeting held on 11.01.2013, wherein the sub-Committee suggested to discuss the matter in the forthcoming CCM.

In the OCC NTPC intimated that Kawas and Gandhar stations are getting irregular schedules during the months of Nov. 12, Dec. 12 and Jan. 13. The schedules are less than technical minimum during night hours (Even less than 85 MW on many occasions) ie from 22:00 Hrs to 05:00 Hrs and full ON BAR on APM during day time ie 05:00 Hrs to 22:00 Hrs. This type of scheduling during night hours is due to NIL drawal schedule on Cheap Gas (APM & Non APM) by major constituents during night hours and FULL requisition on Cheap Gas (APM) during day hours.

Further, the less schedule during Night hours results in the over injection by stations to maintain the technical minimum generation level. To maintain the less schedule NTPC have to stop the running GTs in night and again bring back the units during day time resulting in to frequent stop/start which is not safe for the machines. As per the decision taken in 116th Board meeting withdrawal period of 18 Hrs is to be given for next start.

NTPC have indicated that

- 1) Philosophy of scheduling Full on bar during day and less than technical minimum schedule during night hours is not desirable for safe operation of machines.
- 2) Cheap Gas is getting surrendered
- 3) Further restarting of units during day hours results in to OPEN cycle operation with the additional cost implications on the beneficiaries.

In view of the above NTPC requested that WRPC/WRLDC in consultation with beneficiaries may review the schedule such that at least technical minimum schedule is ensured during night hours for ON BAR Gas turbines in combined cycle mode taking in to account the day's total energy requirement of the constituents

Committee may like to discuss.

ITEM No.17: Status of UI charge payable/Receivable to UI Pool account as on 15th Jan'2013.

WRLDC vide letter No. WRLDC/MO-I/1551/13 dated 22.01.2013 (copy enclosed at **Annex.-17**) have intimated that, all the details of payments/receipts of UI and REC

during Oct'12 to Dec'12 are being uploaded on WRLDC website ([www.wrldc.com/commercial/Pool Reconciliation](http://www.wrldc.com/commercial/Pool_Reconciliation)). UI and REC bills issued/payment received upto 31st Dec'12 are considered for reconciliation. All members are requested to download the same and inform WRLDC if any discrepancy. WRLDC proposes to complete the reconciliation process by 31st Jan 2013. So kindly check the statements at your end and co-operate for completing the reconciliation.

(+) Payable / (-) Receivable		Amount in Rs.
	Total dues	Payments overdue
	Principal	Principal
CSPDCL	69,241,591	
MP Power Management Co. ltd.	6,093,902	
GETCO	-39,562,248	
MSEDCL	-78,773,283	
Goa	-354,785	
D&D	-4,803,617	
DNH	847,464	
NTPC	-69,326,613	
NR Exchange	3,393,826,820	3,293,111,055
SR Exchange	-2,959,609	
ER Exchange	1,008,556,256	983,014,155
JINDAL POWER	-2,637,833	
HVDC V'chal	-160,741	
HVDC B'vati	-587,307	
Lanco Amarkantak Power Ltd	-24,791,052	
NSPCL	-1,041,759	
ACB India Ltd.	-1,777,402	
RGPPL	220,315	
BALCO	-144,123	
CGPL UMPP MUNDRA	-43,193,763	
DCPP JSPL	2,126,395	
Essar (MAHAN) TPP	6,984,099	4,724,470
SASAN Power limited	5,080,088	1,687,491
KSK Mahanadi	165,170	
Vandana Vidyut Ltd	407,074	146,760
EMCO Energy ltd	1,052,735	0

Differential amount from capping due to injn. >105%	-426,185,041	
Amount aroused from additional UI	-606,198,645	
Amount aroused from capping on Over Injn.and under drawal	-3,743,608,259	
Net Total in capping&Addl. UI A/c	-551,504,171	

Note : This includes :

1. UI Accounts issued upto 41st week of 2012-13 ie.,31.12.12 to 06.01.13
2. UI Payments received upto 10.01.13 and distributed upto 15.01.13

ITEM No.18: Status of REC payable/Receivable to UI Pool account as on 7th Jan'2013

Amount in Rs.		
(+) Payable / (-) Receivable		
	<i>Total dues</i>	<i>Total overdues</i>
	<i>Principal</i>	<i>Principal</i>
CSPDCL	-8,367,932	-6,646,677
MPPTCL	-2,934,722	-1,041,466
GETCO	-6,760,035	-4,801,782
MSEDCL	5,241,434	0
Goa	-211,669	-175,632
DD	15,423,333	15,335,707
DNH	7,526,529	7,246,788
TOTAL	9,916,938	9,916,938

*When Receivables are more than payable, total of all receivables made equal to payable.

*When all are receivable, all receivables made zero .

Note : This includes :

1. REC Accounts issued upto 39th week of 2012-13 ie.,17.12.2012 to 23.12.2012
2. REC Payments distributed upto 07.01.13.

ITEM No.19: Status of utilization of Reactive Energy Charge pool account for the purpose of Capacity building

WRLDC vide letter No. WRLDC/MO-I/1551/13 dated 22.01.2013 (copy enclosed at **Annex.-17**) have intimated that, in the 19th WRPC meeting held on 10th Feb'12, the proposals by WRLDC for conducting workshops to provide awareness and confidence to system engineers of power system utilities of Western Region and the funding of these workshops from REC pool account was approved.

Accordingly two workshops were conducted by SLDC, Maharashtra at Mahabaleswar on 30th & 31st Oct 2012 and by SLDC, Madhya Pradesh at Jabalpur on

26th & 27th Nov'2012. The workshops was well organized with an active participation of 70 Engineers in each workshop. The total expenditure towards conducting the above mentioned workshops from REC pool account is as follows.

Sl.no	Entity conducted the Workshop	Date of workshop	Venue of workshop	Total expenditure	Amount released from REC pool account
1	SLDC, Maharashtra	30 th & 31 st Oct'2012	Mahabaleswar	Rs.8,81,848	Rs.8,81,848 on 15 th Nov'12
2	SLDC, Madhya Pradesh	26 th & 27 th Nov 2012	Jabalpur	Rs.5.56.747	Under Process

The above expenditure may please be approved by the members of the Commercial Committee.

ITEM No.20: Time correction of SEMs in Western Region

WRLDC vide letter No. WRLDC/MO-I/1551/13 dated 22.01.2013 (copy enclosed at **Annex.-17**) have intimated that, as per the SEM data received from various locations in Western Region it has been observed that many SEMs are drifted in time. At few stations in WR, time correction has not been done since long. The issue of time drifting of SEMs with respect to GPS was taken up with the constituents of Western Region from time to time but no positive response received from the constituents.

WRLDC vide its letter dated 4th Sept'2012 requested POWERGRID, WRTS-I and WRTS-II to carry out time synchronization of all the SEMs in Western Region and also communicated to all the locations through e-mail to send the time drift report and to carry out necessary time correction if required. The list of locations along with the locations so far given feedback is enclosed at **Annex-I**.

Few stations reported to WRLDC that they were not able to perform the time

correction using the Data Collecting Device due to requirement of installation of some additional “patch” in the existing S/W of DCD.

Since time synchronization of all SEMs is very much required for an error free calculation of UI accounting, it is requested that POWERGRID may make arrangements for carrying out time synchronizations in all the locations and for installation of necessary “patch” in the DCD so that in future the sub-stations can carry out time correction/ synchronization on a monthly basis.

It is proposed that while downloading the data, the time drift may be noted and whenever any time

correction/synchronization is carried out on the drifted meter; record may be generated and sent to WRLDC in the prescribed format given at **Annex-II**.

ITEM No.21: Erroneous SEM data recording

WRLDC vide letter No. WRLDC/MO-I/1551/13 dated 22.01.2013 (copy enclosed at **Annex.-17**) have intimated that, on analysis of weekly SEM data it is noticed that the following meters are recording erroneous reading and is urgently required to take necessary corrective action by the respective stations. The error may be due to improper inputs to the SEM, mismatch in CTR & PTR used in the calculation/actual connected.

The CTR and PTR used by WRLDC for computations of MWH for the above meters are given against each meters. All stations are requested to check the connected CTR & PTR of these SEMs and report to WRLDC in case of any discrepancy. Also all the stations are requested for ensuring proper inputs to SEMs.

In case the problem could not be fixed by the respective sub-stations it is requested that PGCIL may replace such meters immediately.

Sr	Metering Issues
----	-----------------

No						
1	765/400 kV ICT 1 at Bilaspur				CTR	PTR
	765kV	CS-73	NP-2628-A		1500/1A	765kV/110V
	400kV	CS-74	NP-2629-A		3000/1A	400kV/110V
	Meter NP-2628-A is reading half compare to meter NP2629-A					
2	765/400 kV ICT 2 at Bilaspur				CTR	PTR
	765kV	CS-75	NP-2627-A		1500/1A	765kV/110V
	400kV	CS-76	NP-2636-A		3000/1A	400kV/110V
	Meter NP-2627-A is reading half compare to meter NP2636-A					
3	400kV Sugan line 1 at Gandhar				CTR	PTR
	400kV	GA-26	NP-2340-A		1000/1A	400kV/110V
	400kV	SU-11	GJ-2292-A		1000/1A	400kV/110V
	Meter GJ-2292-A is reading 2/3rd of meter NP-2340-A					
4	400kV Seoni line-1 at Khandwa				CTR	PTR
	400kV	MP-75	NP-6331-A		2000/1A	400kV/110V
	400kV	SE-11	NP-5742-A		3000/1A	400kV/110V
	Meter Np6331-A is reading less energy compare to meter NP-5742-A.					
5	400kV Bina(PG) line at Indore				CTR	PTR
	400kV	MB-30	NP-2601-A	Indore	2000/1A	400kV/110V
	400kV	MB-31	NP-5760-A	Bina (PG)	1000/1A	400kV/110V
	Meter NP-2601-A is reading less energy compare to meter NP-5760-A.					
6	765/400kV ICT-1 at Satna				CTR	PTR
	765kV	MB-32	NP-2689-A		2000/1A	765kV/110V
	400kV	MB-33	NP-2623-A		3000/1A	400kV/110V
	Meter NP-2623-A is recording 2/3rd of energy compare to meter NP-2689-A.					
7	400kV Parli(MSEB) line-1 at Parli(PG)				CTR	PTR
	400kV	MH-63	NP-6720-A	Parli(PG)	1000/1A	400kV/110V
	400kV	MH-66	NP-6723-A	Parli(MSEB)	1000/1A	400kV/110V
	Meter NP-6720-A is recording 2/3rd of energy compare to meter NP-6723-A.					
8	765/400 kV ICT 1 at Wardha(PG)				CTR	PTR

	765kV	MM-11	NP-6769-A	3000/1A	765kV/110V
	400kV	MM-12	NP-6770-A	3000/1A	400kV/110V
	Meter NP-6770-A is recording less (slightly more than 2/3rd) energy compare to meter NP-6769-A.				
9	765/400 kV ICT 2 at Wardha(PG)			CTR	PTR
	765kV	MM-16	NP-6254-A	3000/1A	765kV/110V
	400kV	MM-17	NP-6730-A	3000/1A	400kV/110V
	Meter NP-6730-A is recording approximately 2/3rd less energy compare to meter NP-6254-A.				
10	765/400 kV ICT 3 at Wardha(PG)			CTR	PTR
	765kV	MM-18	NP-6772-A	3000/1A	765kV/110V
	400kV	MM-19	NP-6773-A	3000/1A	400kV/110V
	Meter NP-6773-A is recording less (slightly more than 2/3rd) energy compare to meter NP-6772-A.				
11	400kV Nagothane line-2 at RGPPL			CTR	PTR
	400kV	RG-22	NP-6327-A	2000/1A	400kV/110V
	400kV	RG-26	NP-6297-A	2000/1A	400kV/110V
	Meter NP-6327-A is recording less energy compare to meter NP-6297-A.				

ITEM No.22: Automatic Meter Reading of Energy Meters

WRLDC vide letter No. WRLDC/MO-I/1551/13 dated 22.01.2013 (copy enclosed at **Annex.-17**) have intimated that, as per Item.No.18 of the minutes of the 11th WRPC meeting held on 25th September 2009 at Raipur, it was agreed by all the members that Automatic Meter Reading (AMR) need to be implemented in WR considering rapid growth in transmission system and generating stations . During the discussions it was suggested by the members that initially at 3-4 locations the AMR scheme shall be installed at free of cost and based on the experience the decision for implementation of the same for all locations will be taken later on.

In line with the above decision M/s KalkiTech had done a pilot project at Seoni S/S of POWERGRID. Before this M/s BPL had also done a pilot project at Seoni S/S.

Currently AMR is need of the hour and all other regions have already gone ahead with implementation of the same. It proposed that the AMR project may be implemented in WR by POWERGRID for all the locations presently metered and used in Energy Accounting by WRLDC/WRPC.

The Committee may approve the above proposal.

ITEM No.23: Non receipt of SEM data

WRLDC vide letter No. WRLDC/MO-I/1551/13 dated 22.01.2013 (copy enclosed at **Annex.-17**) have intimated that, it has been noticed from the past weeks that, the following stations are not sending SEM data to WRLDC on weekly basis. It is requested that the data from the following locations may be ensure by the respective agencies without any failure to WRLDC on weekly basis.

Sl.No	Location	Entity responsible
1	Navsari 400kV (PG)	POWERGRID
2	Kolhapur(400kV)	Maharashtra
3	Mustungi(220kV)	Maharashtra
4	G'Sagar (220kV)	Madhya Pradesh
5	Rajghat (132kV)	Madhya Pradesh

ITEM No.24: Additional set of Meter reading on 1st of every Month for preparation of Monthly Regional Energy Accounting

WRLDC vide letter No. WRLDC/MO-I/1551/13 dated 22.01.2013 (copy enclosed at **Annex.-17**) have intimated that, it was intimated by WRPC Secretariat that due to non availability of SEM data from few locations the monthly REA issued on 4th of every month needs to be revised again. It is once again requested that the following stations shall send an additional set of meter reading to WRLDC on 1st of every month without any failure for preparation of REA.

Sl.No	Entity	Stations	Remarks
1	All NTPC stations of WR	1. KSTPS 2. VSTPS 3. KAWAS 4. GANDHAR 5. SIPAT	Additional set of data has been received from these stations

		6. MOUDA	
2	All NPC station of WR	1. KAPS 2. TAPS 1&3 3. TAPS 3&4	Additional set of data has been received from these stations
3	NCA	1. SSP	Occasionally data not received.
4	MP	1. PENCH	Additional set data never received.

ITEM No.25: Status of LC opening toward UI payments .

WRLDC vide letter No. WRLDC/MO-I/1551/13 dated 22.01.2013 (copy enclosed at **Annex.-17**) have intimated that, the status of LC to be opened by WR entities for the FY 2012-13 is given below.

Sl No.	WR Entity who have to open LC	No.of times UI payment was delayed (From 01-Apr-11 to 31-Mar-12)	No of weeks in which UI payable	Average payable weekly UI (Rs in lakhs)	LC Amount (Rs in lakhs)	Remarks
1	CSPDCL	2	36	1037	1141	Not opened
2	MP Power Management Co. Ltd	20	23	1259	1385	Opened LC for Rs 13.85 crores on 11th Oct12 which is valid upto 30.06.13
3	GOA	5	25	103	113	Not opened
4	DNH	14	20	238	262	LC opened for Rs 1.24 crores on 23.6.12 which is valid upto 20.6.13
5	D&D	18	18	130	143	LC opened for Rs 5.11crores on 7.2.12 which is valid upto 6.2.13
6	JINDAL POWER	12	33	183	201	LC opened for Rs 1.89 crores on

						9.12.11 which was valid upto 9.12.12
7	LANCO	2	6	193	212	Not opened
8	*Essar MAHAN Thermal Power Plant	8	16	13	14.3	Not opened

* Essar MAHAN TPP Defaulted in current FY 2012-13 in 9th week (21-27.05.12).

Committee may discuss.

ITEM No.18: Any Other Item

ITEM No.19: Date and venue of next meeting

* * * * *



JPL/WRPC/2012
26th October, 2012

प. क्षेत्र वि. स. मुंबई /WRPC
आवक संख्या /Inward No. 5109
दिनांक /Date: 1/11/12

To
✓ The Superintending Engineer (Commercial)
Western Regional Power Committee
F3, MIDC Area, Marol
Andheri (East)
MUMBAI-400 093.

**Sub: Transmission charges and transmission losses on account of
400 KV line of JPL.**

Ref: Minutes of 62nd Commercial Committee Meeting held on 8.10.2012.

Dear Sir,

We would like to comment on the minutes of 62nd CCM on item No.11 as under:-

Regarding approval of YTC and pooling of line losses of 400 KV Tamnar line, JPL representative informed that CERC, vide its Order dated 26.9.2012 in Petition No. 135/TT/2012, has provisionally approved YTC for the year 2011-12 to 2013-14.

Further, DCPD injection is being measured at interface point i.e. at 400 / 220 KV JPL Switch Yard, Tamnar, and not at JSPL (DCPD) generating transformers. Therefore, tie line losses are not being pooled in WR pool.

The minutes may please be modified accordingly.

Thanking you,

Yours faithfully,
for JINDAL POWER LIMITED

(R. C. Gupta)
Chief Power Controller

Copy to: General Manager, WRLDC, Mumbai.

Jindal Power Limited

Registered Office Tamnar 496 107 District Raigarh, Chhattisgarh
T +91 7767 281701-08 / 302000 / 302004 F +91 7767 281991-93-95
Corporate Office Jindal Centre, 12 Bhikaiji Cama Place, New Delhi 110 066 W www.jindalpower.com

EE(c-1)
for necessary
incorporation in
agenda of 62nd
CCM
31.10

Annex 2.1

1/1

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, गुड़गाँव-122 001, हरियाणा
फोन : 0124-2571700-719 फैक्स : 0124-2571760, 0124-2571761 तार : 'नेटग्रिड'
Corporate Office : "Saudamini" Plot No-2, Sector-29, Gurgaon - 122 001 Haryana
Tel.: 0124-2571700 - 719 Fax : 0124-2571760, 0124-2571761 Gram : 'NATGRID'

संदर्भ संख्या / Ref. No.

केन्द्रीय कार्यालय / CORPORATE CENTRE

C/SEF/W/WRPC

06.11.2012

SECC
11.1.13

To
Sh. O.P.Singh
Superintending Engineer (CommI)
WRPC, F-3, MIDC Area
Marol, Andheri(E)
Mumbai - 400093

1. C/SEF/W/WRPC
आवक संख्या/Inward No. 106
दिनांक/Date: 15/11/2013

Sub: - LTA in respect of DVC Mejia

Dear Sir,

This is further to our letter no. C/SEF/W/WRPC dated 29th June, 2012 regarding LTA in respect of DVC Mejia.

In this regard, we would like to clarify that MPPTCL has been granted LTA of 400MW from following DVC projects:-

- (i) 200MW from Mejia TPS U#5 & U#6
- (ii) 200MW from Chandrapura TPS U#7 & U#8

This is for your Kind information please.

Thanking You,

Yours faithfully,

Rajesh Kumar
Rajesh Kumar 6/11/12
General Manager (SEF)

Anex 2.2 1/7

Power System Operation Corporation Limited
(A wholly owned subsidiary unit of Powergrid Corporation of India Limited)
Eastern Regional Load Despatch Centre
14, Golf Club Road, Tollygunge, Kolkata – 700033



Ref: ERLDC/OA/2012/ 3481

Dated: 15th November'2012

✓ To: Member Secretary,
WRPC, F-3, MIDC Area, Andheri(East),
Mumbai-400093

Sub: LTA from Mejia(DVC) to MP

Ref: WRPC/Comml-I/REA(Corr)/2012/1718

1. E. P. S. O. C. / WRPC
2. WRPC / Andheri (E)
3. LTA / 5195
23/11/12

52-C) Sir,
Jdk
224

Please refer to your letter under reference above. As desired by you the details of LTA from Mejia(DVC) to MP are as follows:

STATION	CAPACITY(MW)	BENEFICIARY	QUANTUM(MW) [Round the Clock]
MEJIA(Unit#5	250	MP	100
MEJIA(Unit#6)	250	MP	100

Also the MOM Dtd.22/11/11 in support of above is enclosed. Regarding the date of effectiveness of LTA, it is requested that the CTU may kindly be approached for the relevant information.

Thanking You,

Yours faithfully,

EECO

(P.Mukhopadhyay)
Addl. General Manager

Enclosed : AA

Copy To: 1) ED(SEF, CE , IT & ERP), Powergrid, saudamini, Plot No.2, Sector-29, Gurgaon-122
2) Chief general manager(Commercial), MP Power management Co. Ltd, Block No.2, Shakti Bhawan, Rampur, Jabalpur-482008
3) GM, WRLDC, Andheri, Mumbai

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, सैक्टर-29, गुडगाँव-122 001, हरियाणा
फोन : 0124-2571700-719, फैक्स : 0124-2571760, 0124-2571761 तार 'नेटग्रिड'
Corporate Office : "Saudamini" Plot No. 2, Sector-29, Gurgaon-122 001, Haryana
Tel. : 0124-2571700-719, Fax : 0124-2571760, 0124-2571761 Gram : 'NATGRID'

संदर्भ संख्या / Ref. No.
C/ENG/E/00/SEF/PLG

Date: 10-01-2012

Shri K-K Arya
Chief Engineer I/c (SP&PA)
Central Electricity Authority
Sewa Bhawan, R K Puram
New Delhi - 11 00 66
Fax : 011-26102045

Shri U K Verma
General Manager
Eastern Regional Load Despatch Centre
14, Golf Club Road
Tollygunj, Kolkata - 700033
Fax : 033-24235809

Chief Engineer (Commercial)
Damodar Valley Corporation
DVC Towers, VIP Road
Kolkata - 700 054
Fax : 033-2355-1931, 2355-3861

Sub : Minutes of meeting held at ERLDC, Kolkata on 22.11.11 regarding transfer of power to Long term beneficiaries from DVC generation schemes

Sir,

Please find enclosed the minutes of the meeting held at ERLDC, Kolkata on 22.11.11 regarding transfer of power to Long term beneficiaries from DVC generation schemes.

Thanking you,

Yours faithfully,


(Avinash M. Pavgi)

Addl. General Manager (Engg-SEF)

पंजीकृत कार्यालय : बी-9, कुतब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016 दूरभाष : 011-26560121 फैक्स : 011-26560039 तार 'नेटग्रिड'
Registered Office : B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016 Tel. : 011-26560121 Fax : 011-26560039 Gram : 'NATGRID'

स्वहित एवं राष्ट्रहित में ऊर्जा बचाएं
Save Energy for Benefit of Self and Nation

Minutes of meeting held at ERLDC , Kolkata on 22.11.11 regarding transfer of power to Long term beneficiaries from DVC generation schemes

Shri K K Arya Chief Engineer-I/c(SP&PA) (in chair) welcomed the participants for the meeting convened to discuss and resolve the issues related to transfer of power to the long term beneficiaries of the DVC schemes. The issues related to long term power transfer from existing and future projects were discussed.

Long Term Access from existing DVC projects

ERLDC informed that certain anomalies have been observed about information as available with ERPC, ERLDC and that furnished by CTU regarding Long Term Access from existing generation projects of DVC. Due to such discrepancies, it has become difficult to identify the source, destination and quantum of LTA from the projects, further leading to difficulty in scheduling of the Long Term PPAs.

The details of LTA/GOI allocations being considered by ERPC for issuing Regional Transmission Accounts(RTA) and Regional Transmission Deviation Accounts(RTDA) are depicted below:

Table-I

Existing generation project(unit)	Quantum	Beneficiary	Type
DVC (Other than Mejia # 5 & # 6 and CTPS Unit#7 & #8)	230 MW	DTL	LTA
Mejia # 5 (250 MW)	100 MW	MPPTCL	LTA & GOI Allocation
Mejia # 5 (250 MW)	50 MW	WBSEDCL	GOI allocation
Mejia # 6 (250 MW)	100 MW	MPPTCL	LTA & GOI Allocation
Mejia # 6 (250 MW)	150 MW	NR Beneficiaries	GOI Allocation
TOTAL	630 MW		

The details of LTA as available with ERLDC do tally with the above, except for 100MW LTA granted to MPPTCL additionally from each unit of CTPS Unit#7 and Unit#8(total 200MW). Thus as per records available with ERLDC, it appears that a total of 830MW LTA/GOI allocations have been allowed from existing DVC projects.

However as per letter Ref. No. C/ENG/E/00/SEF/CON/PLG Dtd.09.08.11 from ED(SEF, CE & IT), POWERGRID the status of LTA from DVC projects at present are as detailed below:

Table-II

From Generation Projects	To Beneficiaries (MW)				Total (MW)
	NDPL	BRPL	BYPL	MPPTCL	
Chandrapura # 7 & 8	67	100	63	200	630
Mejia # 5 & 6				200	
Total	67	100	63	400	

Thus the information available with ERPC, ERLDC, and that furnished by CTU are discordant. Accordingly it was requested by ERLDC that details of the LTA from existing DVC projects be clearly intimated with regards to the source/destination, quantum, date of commencement and the period of such duration.

Regarding this, POWERGRID after seeking clarification from DVC, clarified that the source of the 230MW from existing DVC units may now be considered swapped with CTPS Unit#7 and Unit#8, and added that the LTA had been granted to Delhi Discoms instead of DTL. DVC added that regarding the 150MW allotted to NR beneficiaries from Mejia Unit#6, the same had been reduced to 100MW vide letter Dtd. 19th March, 2009 from MOP to Chairman, DVC. DVC intimated that this 100MW is to be sourced from Mejia Unit#6 to Delhi Discoms. Accordingly, they differed from CTU and stated that as per information available with them, out of the 230MW to Delhi Discoms, 100MW is to be sourced from Mejia unit#6 and the rest 130MW from CTPS Unit#7 and #8(50% from each unit). The remaining 50MW of the 150MW originally allocated to NR beneficiaries was accordingly now allocated to DVC. This was agreed to by POWERGRID. DVC was requested to take up this issue with ERPC as the RTA/RTDA is still showing 150MW GOI allocation on behalf of NR constituents.

DVC further intimated that the 50MW GOI allocation to WBSEDCL was not being scheduled at present as the PPA was under suspension. So they requested the forum to drop the above allocation. The forum deliberated upon the issue and it was decided that since the 50MW to WBSEDCL is a GOI allocation, the same could be dropped from being considered in RTA/RTDA only by appropriate authority vested with powers to amend the same. It was also decided that till such time the 50MW allocated from DVC to WBSEDCL is dropped, ERLDC may have to proceed with scheduling considering the total LTA/GOI allocations including this 50MW as 680MW(630MW + 50MW).

Thus the finalized table of LTA/GOI allocations from existing projects of DVC as agreed to by all in the meeting is as below:

Table-III

Unit of Existing Power project	Quantum	Beneficiary	Type
Mejia # 5 (250 MW)*	50MW	WBSEDCL	GOI allocation
Mejia # 5 (250 MW)	100 MW	MPPTCL	LTA & GOI Allocation
Mejia # 6 (250 MW)	100 MW	Delhi Discoms	LTA & GOI allocation
Mejia # 6 (250 MW)	100 MW	MPPTCL	LTA & GOI Allocation
Chandrapura TPS #7(250MW)	65MW	Delhi Discoms	LTA
Chandrapura TPS #7(250MW)	100MW	MPPTCL	LTA & GOI Allocation
Chandrapura TPS #8(250MW)	65MW	Delhi Discoms	LTA
Chandrapura TPS #8(250MW)	100MW	MPPTCL	LTA & GOI Allocation
TOTAL	680MW		

** To be placed before appropriate authority for withdrawal of the GOI allocation. Total LTA/GOI allocation would consequently be reduced to 630MW.*

On query from ERLDC, it was clarified that bifurcation of power to Delhi Discoms would be done as per the existing ratios.

As the source and destination of LTA have changed, pending fresh application and grant of LTA, signing of BPTA and other actions necessitating regularization of the above change of LTA, CTU stated that the above LTAs(as depicted in Table-III) are granted provisionally considering the existing transmission system, and hence the Long Term PPAs as intimated above(Table-III) can be scheduled by RLDCs with immediate effect. Also, as the above changes require substitution of 150MW GOI allocation(ratified by CEA and forwarded by ERPC), with LTAs as depicted at Table-III, it was felt that scheduling of the above Long Term PPAs(Table-III), could be done only after ratification by CEA and ERPC. The date of commencement shall LTA shall be with immediate effect for a period of 25 years.

ERLDC further clarified that all the aforesaid generators are embedded generators of DVC only and as per provisions of IEGC (clause 6.4.4) scheduled by DVC only. The scheduled figure is reflected at the periphery of DVCs as net interchange schedule by RLDC. Under the circumstances, the LTA quantum as mentioned above would be considered as net LTA of DVC from its periphery.

Connectivity of upcoming power projects in DVC system

ERLDC intimated the list of upcoming power projects in DVC system vis-vis their status of grant of connectivity. The same is depicted below:

Project	Capacity(MW)	Status of grant of connectivity
Mejia-B	2x 500MW	Provisional connectivity granted for Unit#1
Koderma TPS	2x 500MW	No
Bokaro Extn	1 x 500MW	No
Maithon-RB	2 x 525MW	Yes
Durgapur TPS	2 x500Mw	No
Raghunathpur TPS	2 x600MW	No

From the above it may be seen that grant of connectivity has been obtained only for Maithon-RB project of MPL whereas for Mejia-B, provisional connectivity only, has been granted (for Unit#7). Grant of connectivity for the balance units/projects as indicated above, have not yet been obtained. All of the above projects are required to obtain grant of connectivity from CTU at the earliest. As per CERC Regulations, exchange of power with ISTS Grid, cannot take place without LTA/MTOA/STOA. Again, for grant of LTA/MTOA/STOA, connectivity is essential. Hence, exchange of power with the ISTS Grid cannot take place without connectivity. Also for injection of infirm power during testing period, prior to COD of an unit, connectivity is essential. Hence, it was concluded that, connectivity with the Grid is essential for exchange of power in any form with the ISTS

Grid. In case of non-availability of grant of connectivity, exchange of power with ISTS Grid would not be permissible. Accordingly, it was requested that DVC should apply to CTU for grant of connectivity at the earliest.

In course of the deliberations, CTU reported that DVC had already filed application for grant of connectivity for its Mejia-B and Koderma TPS projects. ERLDC advised DVC to file application for connectivity grant also in respect of other units including Durgapur TPS. DVC agreed to comply with the same at the earliest. It was re-affirmed that pending grant of connectivity, ERLDC would be left with no option other than advising DVC to withdraw any unit/generating station(which has not obtained ISTS connectivity), from injecting infirm power into the grid.

Transfer of power to Long term beneficiaries from New Generation projects:

It was clarified that that the transmission system for the following projects was evolved and discussed in the Standing committee meeting for Eastern region transmission planning:

Generation Projects	Installed Capacity
Mejia-B	2x500 = 1000 MW
Koderma	2x500 = 1000 MW
Durgapur	2x500 = 1000 MW
Raghunathpur	2x600 = 1200 MW
Bokaro-A	1x500 = 500 MW
Maithon RB*	2x500 = 1000 MW
Total	5700 MW

* Maithon RB being implemented by Maithon Power Ltd., a JV of DVC & Tata Power.

During the meeting DVC has indicated the schedule of generation in future shall materialize in the following manner:

Sl no	Schedule	Projects	Capacity (MW)	Cumulative Capacity(MW)
1	Already commissioned	Mejia #1	500	500
		Maithon RB #1	525	1000
2	Dec.11	Mejia # 2	500	1500
3	Dec. 11	Durgapur #1	500	2000
4	Mar 12	Koderma # 1	500	2500
5	Feb. 12	Maithon RB #2	525	3000

POWERGRID stated that power system studies related to adequacy of ISTS transmission system were carried out. It was observed that no constraints are faced to transfer the power from above-stated generation units to its long term beneficiaries mentioned by DVC. Based on the studies, the transmission system required to facilitate the transfer of power to the long term beneficiaries from respective units is as below:

Table-IV

Sl no	Schedule of Generation scheme	Projects	Capacity (MW)	Allocation	Requirement of transmission system for power transfer to Long Term Beneficiaries	Expected schedule of the tr. system
1	Existing	Mejia unit 1	500	DTL - 437.5 MW Haryana - 50 MW DVC - 12.5 MW Total - 500 MW	LILO of one ckt. of Maithon-Jamshedpur 400kV D/c line at Mejia	In Service
		Maithon RB unit 1	525	DTL - 140.5 MW PSEB - 140.5 MW DVC - 140.5 MW WB - 70 MW Total - 491.5 MW	Maithon RB-Maithon 400kV D/c	
2	Sept.11	Mejia unit 2	500	DTL - 437.5 MW Haryana - 50 MW DVC - 12.5 MW Total - 500 MW	Mejia-Maithon 400kV D/c	Sep.'11
3	Nov. 11	Durgapur unit 1	500	DTL - 225 MW PSEB - 100 MW MPSEB - 50 MW WB - 100 MW DVC - 25 MW Total - 500 MW	Durgapur Gen. - Jamshedpur 400kV D/c line or Durgapur - Raghunathpur 400kV D/c and Raghunathpur - Ranchi 400kV D/c(quad) line (under the scope of DVC)	Dec.'11 Feb.'12
	Dec. 11	Koderma unit 1	500	DTL - 387.5 MW Haryana - 50 MW DVC - 62.5 MW Total - 500 MW	Koderma-Biharsharif 400kV D/c (Quad)	In Service
	Feb. 12	Maithon RB unit 2	525	DTL - 140.5MW PSEB - 140.5MW DVC - 140.5MW WB - 70MW Total - 491.5 MW	Maithon RB - Ranchi 400kV D/c (Dec '11)	Dec.'11

CTU clarified that pending other regularization action as may be necessary, ERLDC may schedule 140.5 MW of power from Maithon unit #1 to DVC on long term basis with immediate effect. The balance power from unit #1 may be scheduled to the respective beneficiaries with effect from 01.04.2012 viz. date of PPA with its beneficiaries, considering the existing transmission system.

Further, it is noted that PPA for other generating units is applicable from April 2012. The Long term power transfer for such units shall be applicable depending on the readiness of the above stated transmission system (as depicted in Table-IV, corresponding to each unit independently) or the date of PPA applicability, which ever is later.

**CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

**Coram: Dr. Pramod Deo, Chairperson
Shri S. Jayaraman, Member
Shri V.S.Verma, Member
Shri M.Deena Dayalan, Member**

No. L-1/44/2010-CERC

Date of Order: 30.11.2012

In the matter of:

Determination of POC rates and transmission losses in accordance with Regulation 17(2) of Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2010 as amended.

And

In the matter of:

1. National Load Despatch Centre, New Delhi
2. Central Transmission Utility, New Delhi

..... Respondents

ORDER

The Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2010 (hereinafter "Sharing Regulations") came into effect from 1.7.2011.

2. National Load Dispatch Centre as the Implementing Agency has been entrusted with the responsibility for computation of transmission charges and losses under the Sharing Regulations for each financial year. Further, Regulation 17 of the Sharing Regulations provides that the Implementing Agency shall be required to provide the following information consequent to the computation of transmission charges and losses undertaken by it:

- (a) Approved Basic Network Data and Assumptions, if any;
- (b) Zonal or nodal transmission charges for the next financial year differentiated by block of months;

- (c) Zonal or nodal transmission losses data;
- (d) Schedule of charges payable by each constituent for the future Application Period, after undertaking necessary true-up of costs as per these regulations and detailed procedures.

4. The Implementing Agency in its letter No. POSOCO/Trans.Pricing/DICs dated 23.11.2012 has submitted following information in compliance with Regulation 17 of the Sharing Regulations:

- (a) Basic Network and load flow data approved by Validation Committee
- (b) Yearly Transmission Charge (YTC) details of ISTS Licensees
- (c) PoC rates and loss percentage computation details
- (d) Assumptions used for computation of PoC rates and Losses
- (e) Schedule of charges payable by each DIC for the year 2012-13 (period October 2012 to March, 2013)
- (f) List of assets of other non-ISTS Licensees whose assets have been certified as being used for interstate transmission by the RPCs (Whose transmission charges have been considered for sharing along with the ISTS)

5. We have carefully examined the basic network data and assumptions, the results of the Load Flow Studies, the yearly transmission charges of the ISTS licensees and the calculation of POC charges for generation and demand zone submitted by the Implementing Agency. It is noticed that the Implementing Agency has considered the zoning of the inter-State Generation Stations on the basis of the joint reading of Regulation 3(a) and Regulation 7(1)(t)(iv) of the Sharing Regulations, i.e. in order to be considered as a separate zone for the purpose of PoC rates, two parameters, namely generating station being considered as regional entity as per Grid Code and being directly connected to 400 kV ISTS, have been taken into account. We approve the proposed zoning of such generating stations as a generating station in order to be considered as a separate zone should not only be a regional entity having beneficiaries in more than one state and its scheduling being done by RLDC but should also be directly connected to the 400 kV ISTS. As a result of such zoning, generating station of Ratnagiri Gas and Power Limited and Indira Gandhi Super

Thermal Power Project, Jhajjar which are regional entities but are connected to the ISTS through the state transmission systems of Maharashtra and Haryana respectively will now be considered according to the injection PoC rate of the concerned State. We have also examined the calculation of losses on POC basis, average losses, final % losses applicable on generation and demand zones. We find that the calculations submitted by the Implementing Agency have been done as per the Sharing Regulations and amendments thereof.

6. The Commission by its order dated 16.10.2012 had approved slabs of POC rates for NEW grid and SR grid and also approved the slabs in transmission losses. The Implementing Agency after computation of POC rates and transmission losses for each injection and withdrawal zone has assigned them to different tiers of slabs. We have gone through the details furnished by Implementing Agency and find the same to be in order. We therefore, approve the applicable PoC slab rates for Long Term Access and Medium Term Open Access (MTOA) in Rs./MW/Month and rates for Short Term Open Access (STOA) in paisa per unit for each Generation (injection) zone and Demand (withdrawal) zone as per the details at Annexure-I to this order.

7. Similarly, we have examined the details of PoC losses in percentage for each Generation (injection) zone and Demand (withdrawal) zone and its applicable slab as per slabs approved by the Commission and have found them to be in order. We, therefore, approve the same as per the details at Annexure-II to this order. These average slabs for each region shall be applied based on last week's actual Regional Losses.

8. In exercise of power under Regulation 17(2) of Sharing Regulations, we approve the Basic Network, Load Flow, assumptions used for computation of the final POC rates and final transmission losses, the final POC rates and final transmission losses, their fitment into slabs and schedule of charges payable by each DIC for the second half of the year 2012- 13 i.e. 1.10.2012 to 31.3.2013, as submitted by Implementing Agency. We also direct the Implementing Agency to publish zonal PoC Rates and zonal

Transmission Losses and associated details as required under Regulation 17(3) of Sharing Regulation to enable the DICs to have a clear understanding of the calculations used for arriving at these rates, along with the underlying network information and base load flows used.

9. In order to ensure smooth changeover for short term transactions from the existing rates to the new rates of sharing of transmission charges, we direct that in respect of the applications made for scheduling of bilateral and collective transactions received before 1.12.2012, short-term open access charges shall be payable at the rates applicable for the application period from 1.4.2012 to 30.9.2012 and for applications received on or after 1.12.2012, the short-term open access charges shall be payable as per the application period from 1.10.2012 to 31.3.2013. We direct that the application of the new POC loss slabs for the period 1.10.2012 to 31.3. 2013 shall be made applicable from 3.12.2012.

10. The Implementing Agency is directed to endorse a copy of this order to all DICs and other concerned agencies. The Implementing Agency and Central Transmission Utility shall also give wide publicity to this order through their websites.

sd/-
(M.Deena Dayalan)
Member

sd/-
(V.S.Verma)
Member

sd/-
(S.Jayaraman)
Member

sd/-
(Dr. Pramod Deo)
Chairperson

Slabs for PoC Rates - Western Region (Oct'12 - Mar'13)			
Sl.No.	Name of Entity	Slab Rate (Rs/MW/Month)	Slab Rate (Paisa/Unit)
1	Chattisgarh Inj	109968 ✓	15.19
2	Korba	109968 ✓	15.19
3	Madhya Pradesh W	109968 ✓	15.19
4	Maharashtra Inj	109968 ✓	15.19
5	Maharashtra W	109968 ✓	15.19
6	NSPCL, Bhilai	109968 ✓	15.19
7	Sipat	109968 ✓	15.19
8	Vindhyachal	109968 ✓	15.19
9	Goa-WR W	94968 ✓	13.19
10	Jindal Power Limited +Jindal Steel Power Limited	94968 ✓	13.19
11	Lanco	94968 ✓	13.19
12	ACB+Spectrum Coal & Power Limited	79968 ✓	11.19
13	Balco	79968 ✓	11.19
14	Coastal Gujarat Power Limited	79968 ✓	11.19
15	Chattisgarh W	79968 ✓	11.19
16	D&D Inj	79968 ✓	11.19
17	D&D W	79968 ✓	11.19
18	DNH Inj	79968 ✓	11.19
19	DNH W	79968 ✓	11.19
20	Goa-WR Inj	79968 ✓	11.19
21	Gujarat Inj	79968 ✓	11.19
22	Gujarat W	79968 ✓	11.19
23	Madhya Pradesh Inj	79968 ✓	11.19
24	Mahan	79968 ✓	11.19
25	Mauda	79968 ✓	11.19
26	Sardar Sarovar Project	79968 ✓	11.19
27	Tarapur Atomic Power Station 3&4	79968 ✓	11.19

JP Bina.
Vandana Vidhyut
RGPP

Slabs for PoC Losses - Western Region (Oct'12 - Mar'13)		
Sl.No.	Zone	Slab
1	ACB+Spectrum Coal & Power Ltd.	High
2	Chhatisgarh Inj	High
3	Goa W	High
4	Jindal Power Limited + Jindal Steel Power Limited	High
5	Lanco	High
6	Mahan	High
7	Maharashtra W	High
8	Sipat	High
9	Balco	Normal
10	D&D W	Normal
11	DNH W	Normal
12	Korba	Normal
13	Maharashtra Inj	Normal
14	Mauda	Normal
15	NSPCL Bhilai	Normal
16	Sardar Sarovar Project	Normal
17	Chhatisgarh W	Low
18	D&D Inj	Low
19	DNH Inj	Low
20	Goa Inj	Low
21	Gujarat Inj	Low
22	Gujarat W	Low
23	Madhya Pradesh Inj	Low
24	Madhya Pradesh W	Low
25	Coastal Gujarat Power Limited	Low
26	Tarapur Atomic Power Station 3&4	Low
27	Vindhyachal	Low



भारत सरकार
Government of India
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पश्चिम क्षेत्रीय विद्युत समिति

Western Regional Power Committee

एफ -3, एमआयडीसी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400 093

F-3, MIDC Area, Andheri (East), Mumbai - 400 093

दूरभाष Phone: 022-2835 3222, 2820 01 94/95/96

Website: www.wrpc.gov.in



आई एस. / आई एस ओ : 9001-2008

IS/ISO: 9001-2008

फैक्स Fax: 022-2837 0193

E-mail: comm1-wrpc@nic.in

No. WRPC/Comm1-I/3/POC/2013/

38

Date: 09.01.2013

To:

1. Chief (Engg.), CERC, 3rd & 4th Floor, Chaderlok Building, 36-Janpath, New Delhi-110 001.
2. CEO, National Load Despatch Centre, 18-A Shaheed Jeet Singh, Marg, Katwaria Sarai, New Delhi-110016.

Subject : Change in nomination for the Validation Committee for implementation of CERC(Sharing of Inter-State Transmission Charges and Losses) Regulations 2010. -reg.

Sir,

This is to inform you that, consequent to transfer/promotion of Shri A.P. Bhairave CE(LD), MPPTCL, Shri P.A.R.Bende had taken over the charge of CE(LD), MPPTCL.

We therefore nominate Shri P.A.R Bende CE(LD) as a member for the validation Committee for implementation of CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations 2010.

Yours faithfully,

(S.D.Taksande)

Member Secretary

Copy to: Shri P.A.R.Bende, CE(LD), MPPTCL, Shakti Bhawan, Jabalpur-482 008-with a request to attend the 1st meeting of Validation Committee for the year 2012-14 to be held on 11th Jan.2013(copy of letter received from CERC is enclosed)

OC



केन्द्रीय विद्युत विनियामक आयोग
CENTRAL ELECTRICITY REGULATORY COMMISSION



PANKAJ BATRA

CHIEF (ENGINEERING)

No. Engg/Tr. Pricing/Validation/L-1/44/CERC/7297

Dated: 31st Jan. 2012

To

The Members of the Validation Committee
(As per list attached)

Subject: 1st Meeting of the Validation Committee for the year 2013-14 for implementation of CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2010 on 11th January 2013 at 02.30 PM.

Sir,

The 1st meeting of the Validation Committee, to validate transmission assets to be included, the basic network data and load generation balance for the first three months of the year 2013-14, i.e. April to June 2013 is scheduled to be held on 11th January 2013 at 02.30 PM in NLDC conference Room. All the Generating Companies are also requested to attend the meeting. The meeting will be preceded by lunch.

Kindly make it convenient to attend the meeting. RPCs and RLDCs may coordinate with the representatives of all State Transmission Utilities and generating companies to facilitate them to attend the meeting through Video Conferencing facility available at RLDCs.

The relevant data would be sent through E-mail in advance.

Encl: as above.

P. Batra
(Pankaj Batra) 31/12/2012

Copy to:

Secretary, CERC

तीसरी मंजिल, चन्द्रलोक बिल्डिंग, 36, जगपथ, नई दिल्ली-110 001
3rd Floor, Chanderlok Building, 36, Janpath, New Delhi-110 001
Phone : 91-11-23753917 (D), 23353503 Ext.350, Fax : 91-11-23753917
E-mail : pan_batra@hotmail.com

GUJARAT URJA VIKAS NIGAM LIMITED

Sardar Patel Vidyut Bhavan, Race Course, Vadodara 390007

Tele. No. : 0265-2310582 to 86 (PBX)
Fax : 0265-2344543, 2337918Ref. No.: GUVNL : GM (Com.) : 2592
Date : 21/11/12To,
The Member Secretary,
Western Regional Power Committee
F-3, MIDC Area
Marol, Andheri (E)
Mumbai - 400 009.प. क्षेत्र वि. स. मुंबई / WRPC
आवक संख्या / Inward No. 5241
दिनांक / Date 29/11/12

Fax No.: 022-28370193

Sub.: Revising RTA for the month of October 2012

Dear Sir,

WRPC through letter no: WRPC/Comm-I/RTA/2012/10.0/11045 dated 12.11.2012 has issued the Regional Transmission Account (RTA) for the month of October-2012, wherein, GUVNL's approved drawl has been certified as 3753.12 MW for the month of October-2012 considering 780.23 MW share of GUVNL from Mundra UMPP. However, the share of GUVNL from Mundra UMPP for October-2012 needs to be corrected as 776.83 MW since actual COD for Unit-3 (#30) of Mundra UMPP as declared by M/s CGPL is from 07:00 hrs of 27.10.2012 whereas WRPC has worked out the share of GUVNL from Mundra UMPP considering COD for Unit-3 (#30) of Mundra UMPP from 00:00 hrs of 27.10.2012.

In this regard, CGPL's letter no. CGPL/UMPPP/O&M/GUVNL/0392 dated 27th Oct, 2012 is enclosed wherein it is intimated that the commissioning test for Mundra UMPP has been carried out from 16.00 hrs of 23.10.2012 to 02.00 hrs of 27.10.2012 and declared commercial operation of Unit-3 (#30) from 07.00 hrs of 27.10.2012. Accordingly, when the Unit no. 3 (#30) was under commissioning test up to 02:00 hrs of 27.10.2012, it is not appropriate to consider COD w.e.f. 00:00 hrs. of 27.10.2012.

In view of above, WRPC is requested to revise the RTA for the month October-2012, considering COD of Unit no.-3 (#30) for Mundra UMPP as 07:00 hrs. of 27.10.2012 instead of 00:00 hrs. of 27.10.2012.

Thanking you,

Yours faithfully,


(K. P. Jangid)
General Manager (Commerce)

se (c)
Jal
29-11

CGPL-UMPP/O&M/GUVNL/0392

27th October 2012

To,

Mr. K P Jangid,
General Manager (Commercial)
Gujarat Urja Vikas Nigam Limited
Sardar Patel Vidyut Bhavan,
Race Course, Vadodara – 390 007, Gujarat

Sub: Commercial declaration & Scheduling of power from CGPL Mundra (UMPP) Unit No.30 (third Unit)

Dear Sir

This is inform you that CGPL Mundra has successfully completed the 72 Hours commissioning test of third unit i.e. Unit #30 on 27th October 2012 as per the Article 6 & Schedule 5 of PPA and an Independent Engineer has verified the commissioning test results and submitted Final Test Certificate (copy enclosed) to all procurers on 27th October 2012. We hereby declare the COD of Unit 30 from ~~4:00~~ ^{7:00} am of 27th October 2012.

Further we will be submitting our plant availability including Unit-10, 20 & 30 in MW and MWh from 27th October 2012.

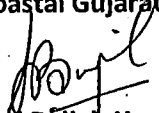
In view of above you are requested to submit your drawal schedule.

This is for your information and necessary action please

Thanking You.

Yours Sincerely,

For Coastal Gujarat Power Limited


(Sharad Baijal- Head O&M)

Enclosure: Final Test Certificate issued by M/s Black & Veatch Consulting Pvt. Ltd.

Coastal Gujarat Power Limited

(A Tata Power Company)
Ultra Mega Power Project

Tunda Vandh Road Tunda Village Mundra Kutch 370435

Regd office C/o The Tata Power Company Limited 34 Sant Tukaram Road Carnac Bunder Mumbai 400 009



BLACK & VEATCH
Building a world of difference.

BLACK & VEATCH CONSULTING PVT LTD (BVCPL)

Date: October 27, 2012

To: Senior Lenders identified on Annex A

Ref: Satisfaction of Unit 30 Performance Test for Commercial Operation

Sub: Final Test Certificate for the Commercial Operation of 830 MW (Gross) Unit #30 of Coastal Gujarat Power Limited Mundra.

Dear Sirs,

This is with reference to the pre-disbursement conditions under the Common Terms Schedule annexed to the Senior Loan Agreements dated April 24, 2008, as may be amended from time to time, ("Senior Loan Agreement") signed *inter alia* between the Coastal Gujarat Power Limited (Borrower) and the Senior Lenders listed therein. As per the provisions of the definition of Project Physical Completion Date of the Common Terms Schedule, Black & Veatch Consulting Private Limited ("B&V"), as Independent Engineer for the purposes of the Project, certifies to Lenders that to the best of its knowledge :

The Commissioning Test / Performance Test conducted by Coastal Gujarat Power Limited, (CGPL) Mundra required for the declaration of Commercial Operation Date for Unit #30 (830 MW Gross) of Coastal Gujarat Power Limited, (CGPL) Mundra has been carried out from 16:00 Hrs of October 23, 2012 to 02:00 Hrs of October 27, 2012 and has been witnessed by the Independent Engineer appointed jointly by Procurers and CGPL Mundra. The Detailed Commissioning Test Results have been submitted by CGPL Mundra via email dated October 27, 2012.

After verifying the tests results we hereby certify as follows in accordance to the Clause 6.3.1 of Power Purchase Agreement dated April 22, 2007.

- (1) All Commissioning Tests have been carried out in accordance with Schedule 5 of PPA and are acceptable to us;
- (2) The results of the functional specification testing shows that Unit # 30 has met functional specifications as stipulated in Schedule 4 of PPA;
- (3) The results of the Performance Test show that the Unit #30's Tested Capacity is not less than ninety five (95) percent of its Contracted Capacity of 760 MW as existing on the Effective Date.
- (4) As per the procedures recommended by OEMs, a scheduled outage of about 15 days is planned for Unit #30 in December 2012 to remove temporary main steam strainers and to

Black & Veatch Consulting Private Limited - Pride Parmar Galaxy, 10/10+A, 3rd Floor, Sadhu Vaswani Chowk, Pune - 411001

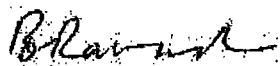
Tel: 91-20-30537200 Fax - 91-20-26051198

4/5

implement required restoration activities in conformity with Warranty clauses in the Contracts. This outage schedule is subject to change per CGPL.

Any use of this certification, and the information herein by a party not a party to the Independent Engineering Agreement dated January 11, 2008 with B&V relating to the Coastal Gujarat Power Limited Project constitutes (i) user's waiver and release of B&V and its related entities from all claims for damages of any kind, including, but not limited to, special, incidental, indirect or consequential damages (ii) user's agreement that B&V makes no warranty, express or implied, relating to this document, and (iii) user accepts sole risk of any such use.

For: Black & Veatch Consulting Private Limited



Name: Ravinder Nath Bathula
Designation: Engineering Manager
Place: Pune, India

Enclosures:

Annexure – A: - List of Senior Lenders

Cc to :-

1. Mr. KK Sharma,
Chief Executive Officer, Coastal Gujarat Power Ltd,
Tunda Vandh Road, Tunda Village, Mundra, Kutch, Gujarat - 370435
Email : krishnakumar.sharma@tatapower.com

ANNEXURE - A
LIST OF SENIOR LENDERS

S. NO.	PARTICULARS OF LENDERS
1.	INDIA INFRASTRUCTURE FINANCE COMPANY LIMITED Address: 1201-1207, Naurang House Kasturba Gandhi Marg, New Delhi - 110 001 Telephone No: 011- 23736354 Fax No. 011- 23736355
2.	ORIENTAL BANK OF COMMERCE Address: Harsha Bhavan, E-Block, Connaught Place, New Delhi 110 001, Telephone No: 022- 22154243/ 22153836 Fax No. 022- 2215 3533
3.	STATE BANK OF BIKANER AND JAIPUR Address: 5-A, Tilak Marg, C-Scheme, Jaipur- 302 016 Telephone No: 022- 22655777/ 2262 1854 Fax No. 022- 22651324
4.	STATE BANK OF HYDERABAD, Head Office: Gunfoundry, Hyderabad Overseas Branch: Ashok Mahal, 1204, Tulloch Marg, Colaba, Mumbai - 400 039 Telephone No: 022- 22042586/ 22820177 Fax No. 022- 22851321
5.	STATE BANK OF INDIA, Corporate Centre: State Bank Bhavan, Madame Cama Road, Mumbai 400 021 Project Finance SBU: 2nd floor, Voltas House, JN Heredia Marg, Ballard Estate, Mumbai - 400037. Telephone No: 022- 022-22686906, Mobile:9920953169, Fax No. 022- 2288 3021
6.	STATE BANK OF INDORE Head Office at 5, Y.N.Road, Indore - 452 003 Commercial Branch at Mittal Court 'B' Wing, Nariman Point, Mumbai 400 021 Telephone No: 022- 22821557 / 2282 1558 Fax No. 022- 22835735
7.	STATE BANK OF TRAVANCORE Head office: Poojappura, Thiruvananthapuram - 695012 Corporate Finance Branch : Free Press House, 112-115, Tulsiani Chambers, Nariman Point, Mumbai -400 021 Telephone No: 022- 3028 7007 Fax No. 022- 3028 7017
8.	THE HOUSING AND URBAN DEVELOPMENT CORPORATION LTD, Head Office: HUDCO Bhawan, Core-7A, India Habitat Centre Lodhi Road, New Delhi - 110003, Regional Office: Block - I, 2nd Floor, MMRDA Bldg, Bandra - Kurla Complex, Bandra (East), Mumbai - 400 051 Telephone No: 022- 26592520



पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(पावरग्रिड की एक पूर्ण स्वामित्व वाली कंपनी)

पश्चिम क्षेत्रिय भार प्रेषण केन्द्र

मुम्बई

Power System Operation Corporation Ltd.

(A wholly owned subsidiary company of POWERGRID)

Western Regional Load Despatch Centre

Mumbai

संदर्भ सं : प.क्षे. भार प्रेषण केन्द्र / एम. ओ.-I/1530/2012

दिनांक : 01.11.12

सेवामें

अधीक्षण अभियंता (वाणिज्य)

प.क्षे.वि.समिती,

मुंबई

विषय : सप्ताह 22.10.12 से 28.10.12 का संसोधित आंकडे

महोदय,

निम्नानुसार फाइले एक जिप डिस्क में आवश्यक कार्यवाही के लिए संलग्न है।

सप्ताह 22.10.12 से 28.10.12.

- 1 मास्टर.डेट (Master.dat) : स्थिति अनुसार मीटर कं., सी.टी./ पी.टी.के अनुपात, मीटर प्रकार और विवरण।
- 2 स्थिति अनुसार सभी मीटर के वास्तविक मीटर आंकडे ।
- 3 संसाधित आंकडे दिन अनुसार, मीटर अनुसार, MWH फाइले हर 15 मिनट खंडों के लिये।
- 4 घटक अनुसार हर एक 15 मिनट खंड के लिये MWH इंजेक्शन व आहरण।
- 5 सभी घटकों के लिये MVARH (रियेक्टिव) रपटें सभी अंतर संबंधित अंतर राज्यीय बिंदुओं पर।
- 6 आंकडों को संसाधित करते समय पायी गई विसंगतियां, मुख्य मीटर आंकडों को जहां स्टन्ड बाय मीटर आंकडों से प्रतिस्थापित किया गया और नये मीटरों का विवरण संलग्नक - 1 में सूचीबद्ध है।

धन्यवाद

भवदीय

30.11.12

मुख्य प्रबंधक (एम. ओ.-I)

संलग्न : यथोपरी।

Actual Active and Reactive energy Accounting for the week 22.10.12 to 28.10.12**I.Active Energy Accounting**

1. Following changes are made in the accounting due to non availability/Discrepancies of Main Meter readings.

Sl.no	Date	Location	Feeder/ICT	Loc.ID& SEM Sl.no	Repalced with LOC.ID& SEM Sl.no	Remarks
1	22.10.12 To 28.10.12	Damoh	400KV birsingpur line-1	(DM-25) NP-6853-A	(MB-25) NP-6847-A	Data not received.
2	22.10.12 To 28.10.12	Kawas	220kV Haldarwa line-2	(KW-12) NP-2193-A	(GU-56) NP-4164-A	Less energy recorded with a low voltage "*** stamping
3	22.10.12	Ichhapur	220kV kawas line-1	(GU-58) NP-4168-A	(KW-13) NP-2603-A	Data was corrupted.
4	22.10.12 To 28.10.12	Indore	400KV Bina(PG) line	(MB-30) NP-2601-A	(MB-31) NP5760-A	Data was corrupted..

2. The Following Elements are Synchronised with the Grid for 1st time.

NIL

3. Declaration of CoD.

The Generating station UMPP CGPL Mundra has declared the CoD of unit-3 from 0000hrs of 27th Oct'2012.

4.Non availability of Master frequency meter at Korba

NIL

5. Following Adjustment values are added to the main meter data due to discrepancy in the Main meter data

NIL.

6.Details of operation of SSP units in synchronous condenser mode

NIL

7 Data not received from the following locations

NIL

8.Change in GETCO network losses wef 02nd August'2010

As per the GETCO letter dated 31-08-2010 for the year 2010-2011, the losses of GETCO network is approved as 4.2% . This loss has been applied to GETCO network for wheeling power to D&D and DNH wef 02th August'2010 .

II.Reactive Energy Accounting.

1)Due to non availability of following line meter readings, the same could not be included in the REC accounts of the following constituents.

1. MSETCL-ISTS: 400kv Mapussa line 1&2 at Kolhapur.

adani™

Ref: APML/SLDC/12092012
Date: 12th September, 2012

The Chief Engineer (MSLDC)
State Load Dispatch Centre
Thane-Belapur Road
P.O. - Airolli
Navi Mumbai - 400708

प. व. वि. स. मुंबई / WRPC
आयक संख्या / Inward No. 4748
दिनांक / Date: 14/9/12

Sub.: Commissioning of Unit-1 (660 MW) of APML at Tiroda

Dear Sir,

It is our pleasure to inform that Unit-1 (660 MW) of Adani Power Maharashtra Limited at Tiroda has been successfully commissioned after achieving full load at 13:07 hours on 11th September 2012.

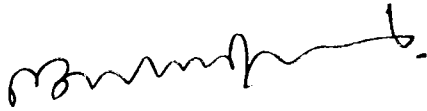
We are extremely thankful to you and others Officials of SLDC, MSEDCL, MSETCL, WRLDC and WRPC for the support extended to us in achieving the above milestone.

Please find enclosed the letter addressed to Chairperson, Central Electricity Authority intimating the commissioning of the Unit-1 of Adani Power Maharashtra Limited, Tiroda for your kind information and records.

Thanking you,

Yours faithfully,

For Adani Power Maharashtra Limited



Authorized Signatory

Encl: As above

Copy to:

1. Managing Director, MSEDCL, Mumbai
2. Managing Director, MSETCL, Mumbai
3. Director (Operation), MSEDCL, Mumbai
- ✓ 4. Member Secretary, WRPC, Mumbai
5. General Manager, WRLDC, Mumbai
6. Executive Director (Commercial), MSEDCL, Mumbai
7. Chief Engineer (PP), MSEDCL, Mumbai

Adani Power Maharashtra Ltd
Achalraj
Opp Mayor Bungalow, Law Garden
Ahmedabad 380 006
Gujarat, India

Tel +91 79 2555 7555
Fax +91 79 2555 7177
info@adani.com
www.adani.com

adani™

Ref: APL/CEA/11092012

Date: 11th Sept-2012

The Chairperson
Central Electricity Authority
Sewa Bhawan Sector -1
R K Puram
New Delhi -110066

Subject: Commissioning of **ADANI POWER MAHARASHTRA LIMITED** - PH-1 Unit # 1
(660 MW) at Tirora.

Dear Sir,

It is our pleasure to inform you that the Unit #1 (660 MW) of Adani Power Maharashtra Limited at Tirora has successfully commissioned and achieved full load on 11th Sept-2012 at 13:07 hrs.

This is for your kind information and record please.

We are thankful for the support and trust reposed by you on Adani Power Maharashtra Limited.

Thanking you,

Yours faithfully,
For Adani Power Maharashtra Limited



Ramesh Tankaria
Associate General Manager.

Adani Power Maharashtra Ltd
Achalraj
Opp Mayor Bungalow, Law Garden
Ahmedabad 380 006
Gujarat, India

Tel +91 79 2555 7555
Fax +91 79 2555 7177
Info@adani.com
www.adani.com

Actual Active and Reactive energy Accounting for the week 17.09.12 to 23.09.12**I.Active Energy Accounting**

1. Following changes are made in the accounting due to non availability/Discrepancies of Main Meter readings.

Sl.no	Date	Location	Feeder/ICT	Loc.ID& SEM Sl.no	Repalced with LOC.ID& SEM Sl.no	Remarks
1	17.09.12 To 23.09.12	Indore	400kV Itarsi line-1	(MP-30) NP-2144-A	(MP-28) NP-2471-A	Data not received.
2	17.09.12 To 23.09.12	Indore	400kV Itarsi line-2	(MP-31) NP-2145-A	(MP-29) NP-2276-A	Data not received.
3	17.09.12 To 23.09.12	Indore	400kV Asoj line-1	(MP-32) NP-2184-A	(GU-21) NP-2331-A	Data not received.
4	17.09.12 To 23.09.12	Indore	400kV Asoj line-2	(MP-33) NP-2141-A	(GU-22) NP-2127-A	Data not received.
5	17.09.12 To 23.09.12	Wardha	400KV Side of ICT-2 (765/400KV)	(MM-17) NP-6730-A	(MM-16) NP-6254-A	Less enegy recorded.
6	17.09.12 To 23.09.12	VAV	220KV Kawas line-2	(GG-63) NP-2732-A	(KW-17) NP-2180-A	Less enegy recorded.
7	17.09.12 To 23.09.12	Nagda	400kV Rajgarh line-2	(MP-44) NP-2213-A	(RJ-10) NP-6344-A	Data not received.
8	17.09.12 To 23.09.12	Balaghat	132kV Dongargarh line	(MP-85) NP-2156-A	(CS-82) NP-2349-A	Data was corrupted.
9	17.09.12 To 23.09.12	Kawas	220kV Haldarwa line-2	(KW-12) NP-2193-A	(GU-56) NP-4164-A	Less energy recorded by meter with a low voltage "*" stamping
10	17.09.12 To 23.09.12	Vindhyanchal	400kV Satna line-I	(VI-15) NP-2110-A	(VI-25) NP-2312-A	Data not received.

11	17.09.12 To 23.09.12	Rajgarh(PG)	400kV side of ICT-1	(RJ-01) NP-6334-A	(RJ-02) NP-6338-A	Data not received.
12	17.09.12 To 23.09.12	Nagda	400kV Rajgarh line-1	(MP-43) NP-2293-A	(RJ-09) NP-6336-A	Data not received.
13	17.09.12 To 23.09.12	Nagda	400kV Dehgam line-2	(MP-67) NP-2238-A	(GU-28) NP-5765-A	Data not received.
14	17.09.12 To 23.09.12	Nagda	400kV Dehgam line-1	(MP-68) NP-2281-A	(GU-29) NP-5764-A	Data not received.
15	17.09.12 To 23.09.12	Nagda	400kV Shujalpur line-1	(MP-65) NP-4229-A	(MB-21) NP-6369-A	Data not received.
16	17.09.12 To 23.09.12	Ujjain	220kV Kota line- 1	(MP-54) NP-2138-A	(RS-01) NP-1067-B	Data not received.
17	17.09.12 To 23.09.12	Ujjain	220kV Motak line	(MP-55) NP-2148-A	(RS-03) NP-1301-A	Data not received.
18	17.09.12 To 23.09.12	Khadoli	220kV VAPI(PG) line-1	(DN-79) NP-6413-A	(GU-79) NP-6415-A	Data not received
19	17.09.12 To 23.09.12	Khadoli	220kV VAPI(PG) line-2	(DN-80) NP-6412-A	(GU-80) NP-6411-A	Data not received
20	17.09.12 To 23.09.12	RGPP	400kV Nagothane line-2	(RG-22) NP-6327-A	(RG-26) NP-6297-A	Data was corrupted.
21	17.09.12 To 23.09.12	SASAN	400KV Vindhyaachal Line	(SA-11) NP-2702-A	(SA-12) NP-2704-A	Data was corrupted.

2. The Following Elements are Synchronised with the Grid for 1st time.

- (i) Existing 400kV Vindhayachal- Jabalpur line-3 made LILO at SASAN Power Plant on 15th Sept 2012.
- (ii) Existing 400kV Raigarh- Raipur line# 3 has been made LILO at KSK Mahanadhi on 27th July 2012.

3. New Control Area addition in WR

i. SASAN Thermal Power Plant having a total installed capacity of 3960MW (6*660MW), has started the commissioning/startup activities of its Unit#1 wef 17th Sept'2012. Accordingly SASAN, UMPP is considered as a control area of WR. A new report "SA1" has been added in the active energy meters.

ii. KSK Mahanadhi having a total installed capacity of 6*600MW has been included as a regional entity from 17th Sept 2012. Currently there is no load at their end. A new report "KS1" has been added in the active energy meters.

4. Following SEMs are installed at SASAN and Bilaspur.

Sr no	Name of Line /ICT	Meter Sr. No.	CT Ratio	PT Ratio	Remark
1	400KV Vindhyachal line at SASAN(main)	NP-2702-A	2000/1	400KV/110V	
2	400KV Vindhyachal line at SASAN(check)	NP-2704-A	2000/1	400KV/110V	
3	400KV Jabalpur line at SASAN(main)	NP-2705-A	2000/1	400KV/110V	
4	400KV Jabalpur line at SASAN(check)	NP-2707-A	2000/1	400KV/110V	
5	400KV Side of ST-1 at SASAN	NP-2687-A	1000/1	400KV/110V	
6	400KV Side of ST-2 at SASAN	NP-2688-A	1000/1	400KV/110V	
7	400KV Seoni line -1at Bilaspur	NP-2634-A	2000/1	400KV/110V	
8	400KV Seoni line -2at Bilaspur	NP-2632-A	2000/1	400KV/110V	
9	400KV Sipat line -1at Bilaspur	NP-2633-A	2000/1	400KV/110V	
10	400KV Sipat line -2at Bilaspur	NP-2635-A	2000/1	400KV/110V	
11	ICT-1(765KV side) at Bilaspur	NP-2628-A	1500/1	765KV/110V	
12	ICT-I(400KV side) at Bilaspur	NP-2629-A	3000/1	400KV/110V	
13	ICT-2(765KV side) at Bilaspur	NP-2627-A	1500/1	765KV/110V	
14	ICT-I(400KV side) at Bilaspur	NP-2636-A	3000/1	400KV/110V	
15	400KV ACBIL line-1 at Bilaspur	NP-2631-A	1000/1	400KV/110V	
16	400KV ACBIL line-2 at Bilaspur	NP-2630-A	1000/1	400KV/110V	

5.Non availability of Master frequency meter at Korba

NIL

6. Following Adjustment values are added to the main meter data due to discrepancy in the Main meter data

i)**GUVNL:** SEM bearing sl.no. NP-4163-A at Haldarwa of 220kV Kawas line-1 has recorded erroneous data for time block 1615hrs to 1645hrs on 20th Sep 2012. Adjustment values are added to the respective time blocks.

ii)**MSETCL:** SEM bearing sl.no. NP-6727-A at Wardha of 400kV Parli line-1 has recorded erroneous data for time block 0945hrs on 17th Sep 2012. Adjustment values are added to the respective time blocks.

iii)**CGPL Mundra:** CGPL Injection has recorded erroneous data for time block 1715hrs, 1745hrs, and 1815hrs to 1830hrs on 17th Sep 2012. Adjustment values are added to the respective time blocks.

iv)**GUVNL:** SEM bearing sl.no.NP-6426-A at Dehgam of 400kV Pirana line-1 has recorded erroneous data for time block 0015hrs on 21st Sep 2012. Adjustment values are added to the respective time blocks.

v)**MPPTCL:** SEM bearing sl.no.NP-6426-A at Dehgam of 400kV Pirana line-1 has recorded erroneous data for time block 0015hrs on 18th Sep 2012. Adjustment values are added to the respective time blocks.

7.Details of operation of SSP units in synchronous condenser mode

NIL

8 Data not received from the following locations

MPPTC:- Indore, Nagda, Ujjain

DNH:- Khadoli

9.Change in GETCO network losses wef 02nd August'2010

As per the GETCO letter dated 31-08-2010 for the year 2010-2011, the losses of GETCO network is approved as 4.2% . This loss has been applied to GETCO network for wheeling power to D&D and DNH wef 02th August'2010 .

II.Reactive Energy Accounting.

1)Due to non availability of following line meter readings, the same could not be included in the REC accounts of the following constituents.

1. MSETCL-ISTS: 400kv Mapussa line 1&2 at Kolhapur.
2. MPPTCL_ISTS: 400kV Rajgarh line-1&2 at Nagda.
3. MPPTCL_ISTS: 400kV Dehgam line-1&2 at Nagda.
4. MPPTCL_ISTS: 400kV Itarsi line-1&2 at Indore.
5. MPPTCL_ISTS: 400kV Asoj line-1&2 at Indore.



पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(पावरग्रिड की एक पूर्ण स्वामित्व वाली कंपनी)

पश्चिम क्षेत्रिय भार प्रेषण केन्द्र

मुम्बई

Power System Operation Corporation Ltd.

(A wholly owned subsidiary company of POWERGRID)

Western Regional Load Despatch Centre

Mumbai

सदर्भ सं : प.क्षे. भार प्रेषण केन्द्र / एम. ओ.-1/1530/2012

दिनांक : 04.10.12

सेवामें

अधीक्षण अभियंता (वाणिज्य)

प.क्षे.वि.समिती,

मुम्बई

विषय : सप्ताह 24.09.12 से 30.09.12 का संसोधित आंकडे

महोदय,

निम्नानुसार फाइले एक जिप डिस्क में आवश्यक कार्यवाही के लिए संलग्न है।

सप्ताह 24.09.12 से 30.09.12.

- 1 मास्टर.डेट (Master.dat) : स्थिति अनुसार मीटर कं., सी.टी./ पी.टी.के अनुपात, मीटर प्रकार और विवरण।
- 2 स्थिति अनुसार सभी मीटर के वास्तविक मीटर आंकडे।
- 3 संसाधित आंकडे दिन अनुसार, मीटर अनुसार, MWH फाइले हर 15 मिनट खंडों के लिये।
- 4 घटक अनुसार हर एक 15 मिनट खंड के लिये MWH इंजेक्शन व आहरण।
- 5 सभी घटकों के लिये MVARH (रियेक्टिव) रपटें सभी अंतर संबंधित अंतर राज्यीय बिंदुओं पर।
- 6 आकड़ों को संसाधित करते समय पायी गई विसंगतियां, मुख्य मीटर आंकड़ों को जहां स्टैंड बाय मीटर आंकड़ों से प्रतिस्थापित किया गया और नये मीटरों का विवरण संलग्नक - 1 में सूचीबद्ध है।

धन्यवाद

भवदीय

(Handwritten signature)

मुख्य प्रबंधक (एम. ओ.-1)

संलग्न : यथोपरी।

ANNEXURE

Actual Active and Reactive energy Accounting for the week 24.09.12 to 30.09.12**I.Active Energy Accounting**

1. Following changes are made in the accounting due to non availability/Discrepancies of Main Meter readings.

Sl.no	Date	Location	Feeder/ICT	Loc.ID& SEM Sl.no	Repalced with LOC.ID& SEM Sl.no	Remarks
1	24.09.12 To 30.09.12	Indore	400kV Itarsi line-1	(MP-30) NP-2144-A	(MP-28) NP-2471-A	Data not received.
2	24.09.12 To 30.09.12	Indore	400kV Itarsi line-2	(MP-31) NP-2145-A	(MP-29) NP-2276-A	Data not received.
3	24.09.12 To 30.09.12	Indore	400kV Asoj line-1	(MP-32) NP-2184-A	(GU-21) NP-2331-A	Data not received.
4	24.09.12 To 30.09.12	Indore	400kV Asoj line-2	(MP-33) NP-2141-A	(GU-22) NP-2127-A	Data not received.
5	24.09.12 To 30.09.12	Indore	400KV Bina(PG) line	(MB-30) NP-2601-A	(MB-31) NP5760-A	Data was corrupted..
6	24.09.12 To 30.09.12	VAV	220KV Kawas line-2	(GG-63) NP-2732-A	(KW-17) NP-2180-A	Less enegy recorded.
7	27.09.12	Bhudipadar	200KV korba line-1	(OR-56) NP-5940-A	(CS-56) NP-6774-A	Less energy recorded with a low voltage “*” stamping
8	24.09.12 To 27.09.12	Balaghat	132kV Dongargarh line	(MP-85) NP-2156-A	(CS-82) NP-2349-A	Data was corrupted.
9	24.09.12 To 30.09.12	Kawas	220kV Haladarwa line-2	(KW-12) NP-2193-A	(GU-56) NP-4164-A	Less energy recorded with a low voltage “*” stamping
10	24.09.12 To 30.09.12	Nagda	400kV Rajgarh line-1	(MP-43) NP-2293-A	(RJ-09) NP-6336-A	Data not received.

11	24.09.12 To 30.09.12	Nagda	400kV Rajgarh line-2	(MP-44) NP-2213-A	(RJ-10) NP-6344-A	Data not received.
12	24.09.12 To 30.09.12	Nagda	400kV Shujalpur line-1	(MP-65) NP-4229-A	(MB-21) NP-6369-A	Data not received.
13	24.09.12 To 30.09.12	Nagda	400kV Shujalpur line-2	(MP-66) NP-2282-A	(MB-22) NP-6355-A	Data not received.
14	24.09.12 To 30.09.12	Nagda	400kV Dehgam line-2	(MP-67) NP-2238-A	(GU-28) NP-5765-A	Data not received.
15	24.09.12 To 30.09.12	Nagda	400kV Dehgam line-1	(MP-68) NP-2281-A	(GU-29) NP-5764-A	Data not received.
16	24.09.12 To 30.09.12	Ujjain	220kV Kota line- 1	(MP-54) NP-2138-A	(RS-01) NP-1067-B	Data not received.
17	24.09.12 To 30.09.12	Ujjain	220kV Motak line	(MP-55) NP-2148-A	(RS-03) NP-1301-A	Data not received.
18	24.09.12 To 30.09.12	Damoh	400KV birsingpur line-1	(DM-25) NP-6853-A	(MB-25) NP-6847-A	Data not received.

2. The Following Elements are Synchronised with the Grid for 1st time.

(i) Existing 400kV Korba – Birsingpur line made LILO at Vandana Vidhut Ltd on 29th Sept 2012.

3. New Control Area addition in WR

i. Vandana Vidhut Ltd. having a total installed capacity of 540MW (2*135+1*270MW), has started the commissioning/startup activities of its Unit#1 wef 29th Sept'2012. Accordingly Vandana Vidhut Ltd is considered as a control area of WR.

4. Following SEMs are installed at Vanadana Vidhut Ltd.

Sr no	Name of Line /ICT	Meter Sr. No.	CT Ratio	PT Ratio	Remark
1	400KV Side of ST-1	NP-2653-A	800/1	400KV/110V	
2	400KV Korba line(main)	NP-2652-A	2000/1	400KV/110V	
3	400KV Korba line(check)	NP-2656-A	2000/1	400KV/110V	
4	400KV Birsingpur line(main)	NP-2655-A	2000/1	400KV/110V	
5	400KV Birsingpur line(check)	NP-2654-A	2000/1	400KV/110V	

5. Non availability of Master frequency meter at Korba

NIL

6. Following Adjustment values are added to the main meter data due to discrepancy in the Main meter data

NIL

7. Details of operation of SSP units in synchronous condenser mode

NIL

8 Data not received from the following locations

MPPTC:- Indore, Nagda, Ujjain

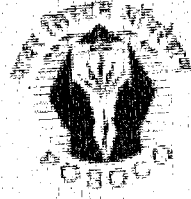
9. Change in GETCO network losses wef 02nd August'2010

As per the GETCO letter dated 31-08-2010 for the year 2010-2011, the losses of GETCO network is approved as 4.2% . This loss has been applied to GETCO network for wheeling power to D&D and DNH wef 02th August'2010 .

II. Reactive Energy Accounting.

1) Due to non availability of following line meter readings, the same could not be included in the REC accounts of the following constituents.

1. MSETCL-ISTS: 400kv Mapussa line 1&2 at Kolhapur.
2. MPPTCL_ISTS: 400kv Rajgarh line-1&2 at Nagda.
3. MPPTCL_ISTS: 400kv Dehgam line-1&2 at Nagda.
4. MPPTCL_ISTS: 400kv Itarsi line-1&2 at Indore.
5. MPPTCL_ISTS: 400kv Asoj line-1&2 at Indore.



पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(पावरग्रिड की एक पूर्ण स्वामित्व वाली कंपनी)

पश्चिम क्षेत्रिय भार प्रेषण केन्द्र

मुम्बई

Power System Operation Corporation Ltd.
(A wholly owned subsidiary company of POWERGRID)
Western Regional Load Despatch Centre
Mumbai

संदर्भ सं : प.क्षे. भार प्रेषण केन्द्र / एम. ओ.-I/1530/2012

दिनांक : 25.10.12

सेवामें

अधीक्षण अभियंता (वाणिज्य)

प.क्षे.वि. समिती,

मुंबई

विषय : सप्ताह 15.10.12 से 21.10.12 का संसोधित आंकडे

महोदय,

निम्नानुसार फाइले एक जिप डिस्क में आवश्यक कार्यवाही के लिए संलग्न है।

सप्ताह 15.10.12 से 21.10.12.

- 1 मास्टर.डेट (Master.dat) : स्थिति अनुसार मीटर कं., सी.टी./ पी.टी.के अनुपात, मीटर प्रकार और विवरण।
- 2 स्थिति अनुसार सभी मीटर के वास्तविक मीटर आंकडे।
- 3 संसाधित आंकडे दिन अनुसार, मीटर अनुसार, MWH फाइले हर 15 मिनट खंडों के लिये।
- 4 घटक अनुसार हर एक 15 मिनट खंड के लिये MWH इंजेक्शन व आहरण।
- 5 सभी घटकों के लिये MVARH (रियेक्टिव) स्पटें सभी अंतर संबंधित अंतर राज्यीय बिंदुओं पर।
- 6 आंकडों को संसाधित करते समय पायी गई विसंगतियां, मुख्य मीटर आंकडों को जहां स्टैंड बाय मीटर आंकडों से प्रतिस्थापित किया गया और नये मीटरों का विवरण संलग्नक - 1 में सूचीबद्ध है।

धन्यवाद

भवदीय

कृते

प्रविण

मुख्य प्रबंधक (एम. ओ.-I)

संलग्न : यथोपरी।

ii. Following SEMs are installed at Spectrum.

Sr no	Name of Line /ICT	Meter Sr. No.	CT Ratio	PT Ratio	Remark
1	132KV side of GT-1	NP-6766-A	450/1	132KV/110V	
2	132KV side of ST-1	NP-6765-A	100/1	132KV/110V	
3	132KV Side of ICT-1	NP-6767-A	800/1	132KV/110V	
4	400KV Side of ICT-1	NP-6768-A	500/1	400KV/110V	

3. Non availability of Master frequency meter at Korba

NIL

4. Following Adjustment values are added to the main meter data due to discrepancy in the Main meter data

NIL.

5. Details of operation of SSP units in synchronous condenser mode

NIL

6 Data not received from the following locations

NIL

7. Change in GETCO network losses wef 02nd August'2010

As per the GETCO letter dated 31-08-2010 for the year 2010-2011, the losses of GETCO network is approved as 4.2% . This loss has been applied to GETCO network for wheeling power to D&D and DNH wef 02th August'2010 .

II. Reactive Energy Accounting.

1) Due to non availability of following line meter readings, the same could not be included in the REC accounts of the following constituents.

1. MSETCL-ISTS: 400kv Mapussa line 1&2 at Kolhapur.

Actual Active and Reactive energy Accounting for the week 15.10.12 to 21.10.12**I.Active Energy Accounting**

1. Following changes are made in the accounting due to non availability/Discrepancies of Main Meter readings.

Sl.no	Date	Location	Feeder/ICT	Loc.ID& SEM Sl.no	Repalced with LOC.ID& SEM Sl.no	Remarks
1	15.10.12 To 21.10.12	Damoh	400KV birsingpur line-1	(DM-25) NP-6853-A	(MB-25) NP-6847-A	Data not received.
2	15.10.12 To 21.10.12	Kawas	220kV Haldarwa line-2	(KW-12) NP-2193-A	(GU-56) NP-4164-A	Less energy recorded with a low voltage “*” stamping
3	15.10.12 To 21.10.12	RGPPL	400kV Nagothane line-2	(RG-22) NP-6327-A	(RG-26) NP-6297-A	Data was corrupted.
4	15.10.12 To 21.10.12	Indore	400KV Bina(PG) line	(MB-30) NP-2601-A	(MB-31) NP5760-A	Data was corrupted..

2. The Following Elements are Synchronised with the Grid for 1st time.**i. Spectrum Coal & Power Ltd:**

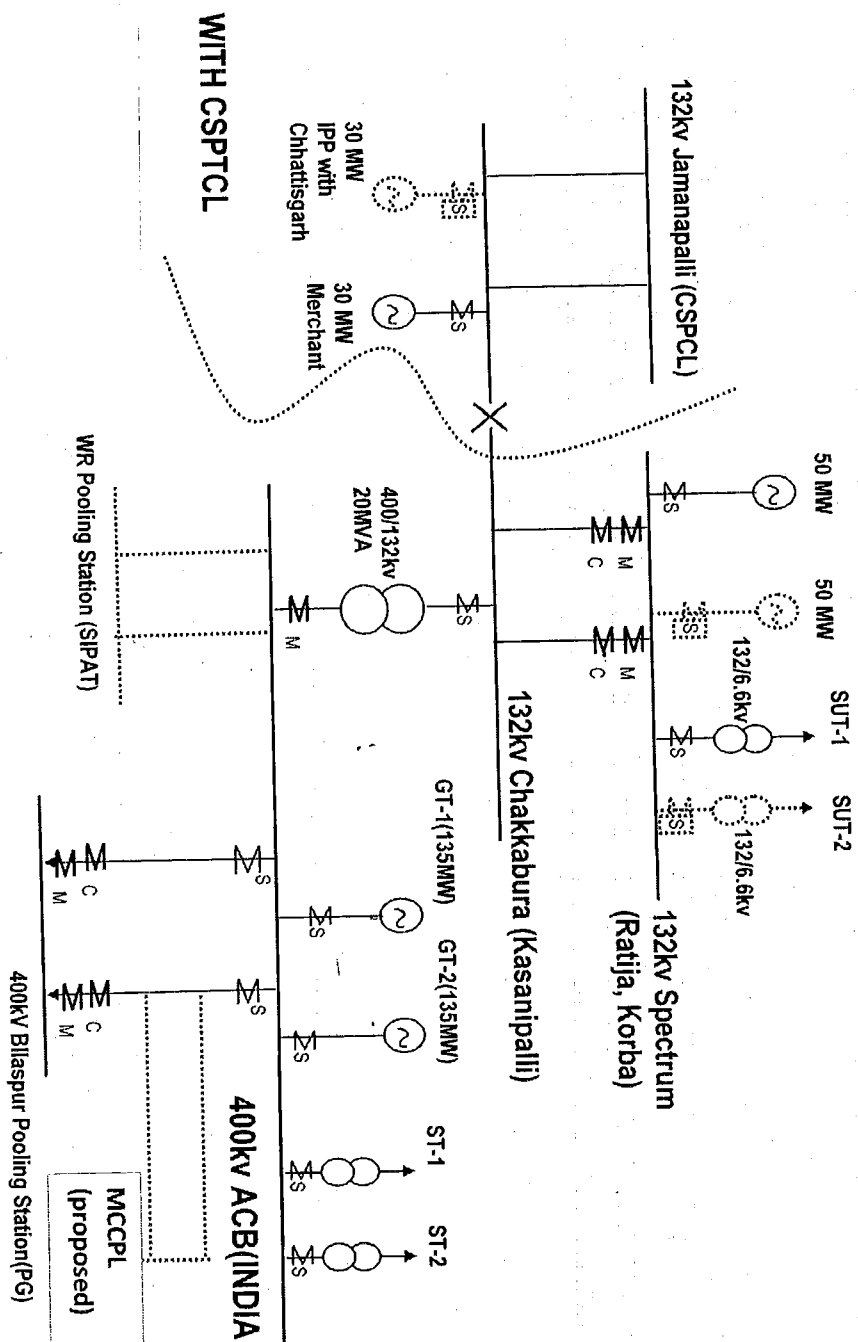
Spectrum Coal & Power Ltd is having an total installed capacity of 100MW(2*50MW), is connected to 400kV ACB(India) Ltd through 400/132kV ICT 1&2 and further connected with WR grid through 400kV ACB(India) ltd- Bilaspur D/C. SPECTRUM has granted LTA of 100MW by CTU .Triparte connection agreement have been sigend between SPECTRUM,ACB and PGCIL.(SLD enclosed)

As per the Minutes of the meeting(copy enclosed) regarding sharing of dedicated transmission line of ACB(India)Ltd by Maruti Clean Coal Power Ltd and SPECTRUM Coal & Power Ltd, ACB(India) ltd shall be the lead generator on behalf of MCCPL & SCPL.Eenergy accounting,metering,scheduling and settlement of UI will be done internally by the three generators.

Unit#1 of SPECTRUM has started the Infirm power of its Unit#1 wef 17th Oct 2012. Accordingly the infirm injection from Spectrum Coal & Power ltd is shown separately in the report”AC1”. Since SPECTRUM is not an independent control are of WR, the UI bills shall be in the name of ACB(India) ltd. Since the infirm generation fro SPECTRUM need to be treated separately , the same may be required to be calculated separately.

After declaration of CoD, a combined schedule and actual injection of ACB and SPECTRUM shall be given by WRLDC and the UI accounts shall be in the name of ACB(India) ltd.The similar treatement shall be done once MCCPL get connected with WR grid through the same 400kV ACB(India)-Bilaspur line.

2 x 50 MW SPECTRUM COAL POWER LTD. / 2*135 MW ACB (INDIA LTD.)



SEMs Location
in Inter-State Transmission System associated with
Spectrum Coal & Power Ltd & ACB (India Ltd.)

1 week
15.10.12 to 21.10.12
for spectrum

3/8



भारत सरकार / Government of India
विद्युत मंत्रालय / Ministry of Power
केन्द्रीय विद्युत प्राधिकरण / Central Electricity Authority
प्रणाली योजना एवं परियोजना मूल्यांकन प्रभाग



System Planning & Project Appraisal Division

सेवा भवन, आर. के. पुरम, नई दिल्ली-110066

Sewa Bhawan, R. K. Puram, New Delhi-110066 [ISO: 9001:2008]

वेबसाइट / Website: www.cea.nic.in

Ref No: 26/10/2012-SP&PA/

Dated: 31-01-2012

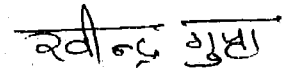
To,

- 1 CEO, POSOCO
B-9, Qutab Institutional Area,
Katwaria Sarai
New Delhi-110016
Fax 011-26852747
- 2 Executive Director (SEF, CE, IT & ERP)
Power Grid Corp. of India Ltd.,
"Saudamini", Plot No. 2, Sector-29,
Gurgaon-122001
Fax 0124-2571760/2571932
- 3 ACB(India) Limited,
7th floor, Corporate Tower
Ambience Mall, NH-8
Gurgaon, Haryana - 122001
Fax 0124 2719116

Subject: Minutes of the meeting regarding sharing of dedicated transmission line of Aryan Coal Beneficiations India Limited (ACBIL) by Maruti Clean Coal Power Limited (MCCPL).

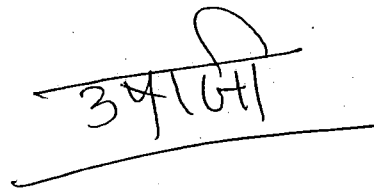
Minutes of the meeting held in the office of Member (PS), CEA, Sewa Bhawan, R. K. Puram, New Delhi on 25-01-2012 on the issue of sharing of dedicated transmission line of Aryan Coal Beneficiations India Limited (ACBIL) by Maruti Clean Coal Power Limited (MCCPL) is enclosed.

Encl: as above



(Ravinder Gupta)
Director, SP&PA

Genl sir may like to see
12/3



Minutes of the meeting regarding sharing of dedicated transmission line of Aryan Coal Beneficiations India Limited (ACBIL) by Maruti Clean Coal Power Limited (MCCPL) held in the office of Member (PS), CEA, Sewa Bhawan, R. K. Puram, New Delhi on 25-01-2012.

1. List of participants is enclosed at Annexure-I.
2. Member (PS), CEA welcomed the participants. He stated that earlier ACBIL and MCCPL were granted open access at WR (Bilaspur) pooling stations and both were required to construct 400 kV D/C line from their generation switchyard to WR(Bilaspur) pooling station. Subsequently, MCCPL has requested the connectivity through LILO of ACBIL- WR (Bilaspur) Pooling point 400 kV D/C line at MCCPL switchyard. Though this LILO would result in optimization of evacuation system from ACBIL and MCCPL generating plants, but arrangement would create issues relating to energy accounting, settlement of unscheduled interchange (UI), sharing of transmission charges and losses among ACBIL, MCCPL and Spectrum Coal & Power Limited (SCPL). This meeting has been called to deliberate on the above issues.
3. Shri H. M. Jain, Vice President (Power), ACBIL informed that he is authorized representative of MCCPL, SCPL and ACBIL and submitted the authorization letters in this regard. He said that earlier MCCPL and ACBIL were two different companies and now MCCPL is associate / indirect subsidiary of ACBIL. He added that MCCPL plant is located and surrounded by Forest area and there is a problem of availability of corridor for laying MCCPL- WR pooling station 400 kV D/C line, as the corridor enroute involves coal bearing area and Forest area. Even for erection of ACBIL - WR (Bilaspur) pooling station 400 kV D/C line, corridor swapping has been done with PGCIL transmission line.
4. On a query from Member (PS), CEA regarding the status of construction of MCCPL generating plant, MCCPL representative informed that foundation works has been started. Design & Engineering works has been completed and EPC contract has been awarded to M/s IOTL. The plant is expected to be commissioned in next 26 months. Regarding the sharing of capital cost of ACBIL - WR (Bilaspur) pooling station 400 kV D/C line, he furnished the details of the ratio in which the cost has been shared amongst ACBIL, MCCPL and SCPL.
5. CEO, POSOCO informed that for energy accounting, metering, scheduling and settlement of UI, WR (Bilaspur) pooling station would be the interface point / common connection point. One combined schedule has to be provided by the all the three generators (ACBIL, MCCPL, SCPL) at interface point and settlements like apportionment of losses, UI has to be done by them internally. For signing of connection agreement with CTU and getting registered as single entity with RLDC, one generator out of the three, can take the role of lead generator. A coordination centre / control area comprising of generation plants of MCCPL, ACBIL & SCPL and the 400 kV D/C transmission line from ACBIL to WR (Bilaspur) pooling station including the LILO of the above line at MCCPL switchyard can be established to coordinate on behalf of the three generators.
6. On a query from ACBIL regarding segregation of UI among the generators, GM NRLDC stated that technically segregation of UI was possible but RLDC has no

jurisdiction over their control area. He added that the coordination centre / control area as mentioned above would, interalia, carry out the following functions:

- (i) Coordinate with concerned RLDC/SLDC and with individual generators on all matters of system operation and market operation.
 - (ii) Represent in various forums of Regional Power Committees.
 - (iii) Metering, protection coordination, shutdown coordination, outage coordination, switching instruction, scheduling and accounting within its control area.
 - (iv) Payment of transmission charges, losses, UI charges, Reactive energy charges, LDC fee and charges to the concerned pool / authority for ISTS usages on behalf of the control area.
 - (v) Calculation / exchange of individual schedules, accounts for individual deviation, computation of individual charges/losses for the dedicated portion as well apportioning for ISTS portion which could be communicated by concerned RLDC for entire control area.
 - (vi) On-line communication and real-time data telemetry to RLDC.
 - (vii) Off line data about various information to RLDC.
 - (viii) Sending meter data of interface meters installed by CTU to RLDC.
7. ACBIL representative was agreeable to do the coordination work for scheduling and accounting. He enquired about the reflection of Availability statement of individual generators in case of Case-I bidding with multipart contracts. CEO POSOCO clarified that all short term open access transaction are tagged, thus it is possible to identify all the injecting/drawing entity. But Availability statement for individual generators for two part billing would not be possible in this case.
 8. Member (PS), CEA suggested that to overcome the above difficulties, ACBIL can approach CERC to declare the ACBIL – WR (Bilaspur) pooling station 400 kV D/C line as an ISTS line. For this ACBIL has to take transmission Licence under section 6 (c) of Central Electricity Regulatory Commission (Procedure, Terms and Conditions for grant of Transmission Licence and other related matters) Regulations, 2009, which allows a generating company, which has established the dedicated transmission line, and intends to use such dedicated transmission line as the main transmission line and part of the inter-State transmission system to become eligible for grant of transmission licence.
 9. Member (PS), CEA said that there is still a lot of time available for commissioning of MCCPL generating station and ABCIL can explore the options available as deliberated above, before taking a final view. ABCIL representative agreed with the suggestion.
 10. Meeting ended with the vote of thanks to chair.

Annexure-I

List of Participants of the meeting held in the office of Member (PS), CEA, Sewa Bhawan, R. K. Puram, New Delhi on 25-01-2012.

S.No.	Name (S/Sh)	Designation
CEA		
1.	Ravinder	Member (PS)
2.	K K Arya	CE (SP &PA)
3.	Ravinder Gupta	Director (SP &PA)
4.	A. K. Yadav	Dy.Dir. (SP&PA)
POSOCO		
5.	S.K Soonee	CEO
6.	V.K Agrawal	GM. NRLDC
POWERGRID		
7.	Pankaj Kumar	ED (SEF)
8.	Mrs. Manju Gupta	ED (SEF)
9.	Avinash M. Pavgi	AGM (SEF)
10.	Ram Chandra	CDE
ACBIL (ARYAN COAL BENEFICIATIONS INDIA LIMITED)		
11.	H.M JAIN	Vice President
12.	V.K Chadha	GM
13.	Satish Sharma	Company Secretary



पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(पावरग्रिड की एक पूर्ण स्वामित्व वाली कंपनी)

पश्चिम क्षेत्रीय भार प्रेषण केन्द्र

मुम्बई

Power System Operation Corporation Ltd.
(A wholly owned subsidiary company of POWERGRID)
Western Regional Load Despatch Centre
Mumbai

सदर्भ सं : प.क्षे. भार प्रेषण केन्द्र / एम. ओ.-I/1530/2012

दिनांक : 22.11.12

सेवामें

अधीक्षण अभियंता (वाणिज्य)

प.क्षे.वि.समिती,

मुम्बई

विषय : सप्ताह 12.11.12 से 18.11.12 का संसोधित आंकड़े

महोदय,

निम्नानुसार फाइले एक जिप डिस्क में आवश्यक कार्यवाही के लिए संलग्न है।

सप्ताह 12.11.12 से 18.11.12.

- 1 मास्टर.डेट (Master.dat) : स्थिति अनुसार मीटर कं., सी.टी./ पी.टी.के अनुपात, मीटर प्रकार और विवरण।
- 2 स्थिति अनुसार सभी मीटर के वास्तविक मीटर आंकड़े।
- 3 संसाधित आंकड़े दिन अनुसार, मीटर अनुसार, MWH फाइले हर 15 मिनट खंडों के लिये।
- 4 घटक अनुसार हर एक 15 मिनट खंड के लिये MWH इंजेक्शन व आहरण।
- 5 सभी घटकों के लिये MVARH (रियेक्टिव) स्पटें सभी अंतर संबंधित अंतर राज्यीय बिंदुओं पर।
- 6 आकड़ों को संसाधित करते समय पायी गई विसंगतियां, मुख्य मीटर आंकड़ों को जहां स्टन्ड बाय मीटर आंकड़ों से प्रतिस्थापित किया गया और नये मीटरों का विवरण संलग्नक - 1 में सूचीबद्ध है।

धन्यवाद

भवदीय

(Handwritten Signature)

मुख्य प्रबंधक (एम. ओ.-I)

संलग्न : यथोपरी।

ANNEXURE

Actual Active and Reactive energy Accounting for the week 12.11.12 to 18.11.12**I.Active Energy Accounting**

1. Following changes are made in the accounting due to non availability/Discrepancies of Main Meter readings.

Sl.no	Date	Location	Feeder/ICT	Loc.ID& SEM Sl.no	Repalced LOC.ID& Sl.no	with SEM	Remarks
1	05.11.12 To 11.11.12	Indore	400KV Bina(PG) line	(MB-30) NP-2601-A	(MB-31) NP5760-A		Data was corrupted..
2	05.11.12 To 11.11.12	Jaitpur	400KV LIMBDI Line	(GG-65) NP-2784-A	(GG-54) NP-5763-A		Data not received

2. The Following Elements are Synchronised with the Grid for 1st time.**i. GMR EMCO Energy ltd. :**

- EMCO Energy Ltd , Warora, Chandrapur district is having an installed capacity of 2*300MW
- CTU has granted an LTA of 520MW to EMCO .
- EMCO is directly connected with CTU at 400kV Bhadravathi(PGCIL) S/S through 400kV EMCO – Bhadravathi D/C
- Metering diagram is enclosed
- EMCO has started its commissioning and startup activities wef 27th Oct'2012.
- The accounts from 27th ~~Oct~~ ^{Oct} 12 to 11th Nov 2012 shall be revised accordingly.
- Drawal by EMCO has been included from this week.
- Due to this a new report 'EM1' has been added in the active energy meters.

3.Following SEMs are installed at EMCO and Bhadrawati.

Sr no	Name of Line /ICT	Meter Sr. No.	CT Ratio	PT Ratio	Remark
1	400KV Bhadravati line-1 at GMR EMCO (Stand_by)	NP-2803-A	1000/1	400KV/110V	
2	400KV Bhadravati line-1 at GMR EMCO (check)	NP-2804-A	1000/1	400KV/110V	
3	400KV Bhadravati line-2 at GMR EMCO (Stand_by)	NP-2805-A	1000/1	400KV/110V	

4	400KV Bhadrawati line-2 at GMR EMCO (check)	NP-2806-A	1000/1	400KV/110V	
5	400KV GMR EMCO line-1 at Bhadrawati(Main)	NP-2648-A	2000/1	400KV/110V	
6	400KV GMR EMCO line-2 at Bhadrawati(Main)	NP-2649-A	2000/1	400KV/110V	

3.Non availability of Master frequency meter at Korba

NIL

4. Following Adjustment values are added to the main meter data due to discrepancy in the Main meter data

ER:- SEM bearing sl.no. NP-5835-A at Ranchi of 400kV Sipat line-1 has recorded erroneous data from time block 1145hrs to 1815hrs on 16th Nov 2012. Adjustment values are added to the respective time blocks.

GUVNL:- SEM bearing sl.no. NP6348-A at Zerda of 400kV Ranchhodpura line-2 has recorded erroneous data from time block 1000hrs to 1330hrs on 13th Nov 2012. Adjustment values are added to the respective time blocks.

5.Details of operation of SSP units in synchronous condenser mode

NIL

6 Data not received from the following locations

NIL

7.Change in GETCO network losses wef 02nd August'2010

As per the GETCO letter dated 31-08-2010 for the year 2010-2011, the losses of GETCO network is approved as 4.2% . This loss has been applied to GETCO network for wheeling power to D&D and DNH wef 02th August'2010 .

II.Reactive Energy Accounting.

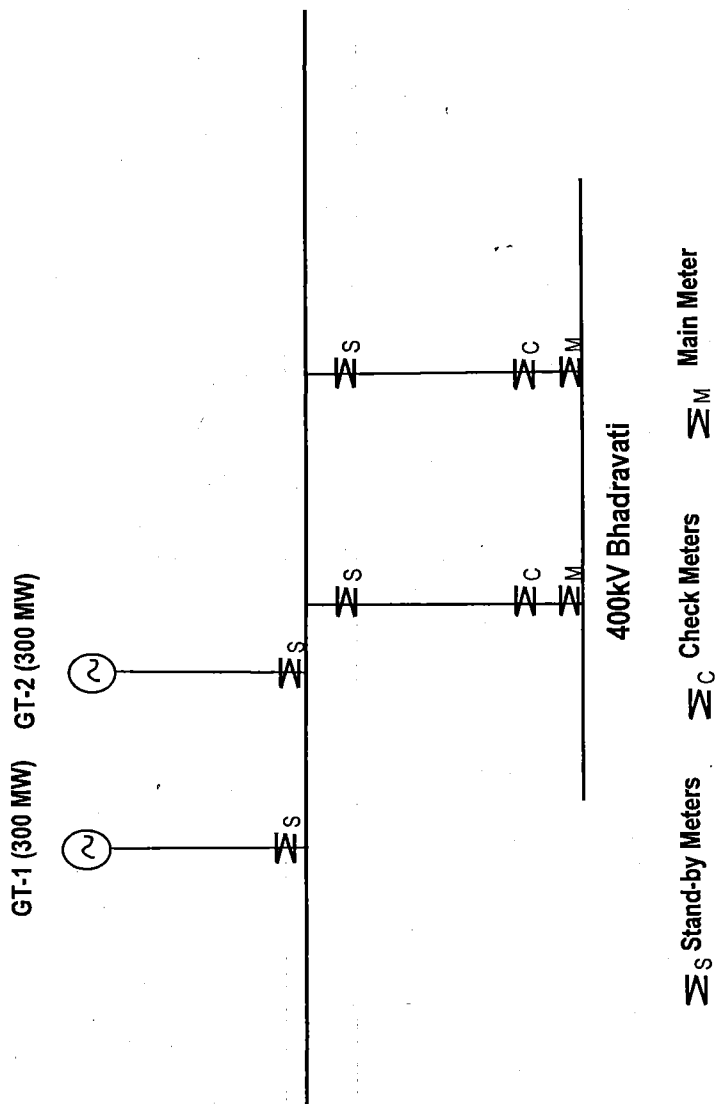
Change in Reactive energy accounting between Chhattisgarh and Madhya Pradesh and Madhya Pradesh with ISTS

1)Due to non availability of following line meter readings, the same could not be included in the REC accounts of the following constituents.

1. MSETCL-ISTS: 400kv Mapussa line 1&2 at Kolhapur.

22.11.2012

2 x 300 MW EMCO ENERGY LTD. (GMR)



SEMs Location
in Inter-State Transmission System associated with
EMCO ENERGY LTD. (GMR)



Annex-7.7
1/3

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(पावरग्रिड की एक पूर्ण स्वामित्व वाली कंपनी)
पश्चिम क्षेत्रिय भार प्रेषण केन्द्र
मुम्बई
Power System Operation Corporation Ltd.
(A wholly owned subsidiary company of POWERGRID)
Western Regional Load Despatch Centre
Mumbai

संदर्भ सं : प.क्षे. भार प्रेषण केन्द्र / एम. ओ.-I/1530/2012

दिनांक : 03.01.13

सेवामें

अधीक्षण अभियंता (वाणिज्य)
प.क्षे.वि. समिती,
मुम्बई

विषय : सप्ताह 24.12.12 से 30.12.12 का आंकडे

महोदय,

निम्नानुसार फाइले एक जिप डिस्क में आवश्यक कार्यवाही के लिए संलग्न है।

सप्ताह 24.12.12 से 30.12.12.

- 1 मास्टर.डेट (Master.dat) : स्थिति अनुसार मीटर कं., सी.टी./ पी.टी.के अनुपात, मीटर प्रकार और विवरण।
- 2 स्थिति अनुसार सभी मीटर के वास्तविक मीटर आंकडे।
- 3 संसाधित आंकडे दिन अनुसार, मीटर अनुसार, MWH फाइले हर 15 मिनट खंडों के लिये।
- 4 घटक अनुसार हर एक 15 मिनट खंड के लिये MWH इंजेक्शन व आहरण।
- 5 सभी घटकों के लिये MVARH (रियेक्टिव) रपटें सभी अंतर संबंधित अंतर राज्यीय बिंदुओं पर।
- 6 आंकडों को संसाधित करते समय पायी गई विसंगतियां, मुख्य मीटर आंकडों को जहां स्टन्ड बाय मीटर आंकडों से प्रतिस्थापित किया गया और नये मीटरों का विवरण संलग्नक - 1 में सूचीबद्ध है।

धन्यवाद

भवदीय

रुत

प्रतिभा

मुख्य प्रबंधक (एम. ओ.-I)

संलग्न : यथोपरी।

Actual Active and Reactive energy Accounting for the week 24.12.12 to 30.12.12**I.Active Energy Accounting**

1. Following changes are made in the accounting due to non availability/Discrepancies of Main Meter readings.

Sl.no	Date	Location	Feeder/ICT	Loc.ID& SEM Sl.no	Repalced LOC.ID& Sl.no	with SEM	Remarks
1	24.12.12 To 30.12.12	Indore	400KV Bina(PG) line	(MB-30) NP-2601-A	(MB-31) NP5760-A		Data was corrupted.
2	24.12.12 To 30.12.12	Sugen	400kv Gandhar line-1	(SU-11) GJ-2292-A	(GA-26) NP-2340-A		Data was corrupted.
3	24.12.12 To 30.12.12	Korba (E)	220kV Budhipadar line-II	(CS-54) NP-2122-A	(OR-57) NP-5941-A		Data was corrupted.
4	30.12.12	Bhadravati	400kv HVDC line-1	(WR-31) NP-4165-A	(WR-33) NP-2310-A		Data is corrupted
5	30.12.12	Bhadravati	400kv HVDC line-2	(WR-32) NP-4214-A	(WR-34) NP-4215-A		Data is corrupted
6	24.12.12 To 30.12.12	Chandrapur	400KV Bhadravati line-4	(MH-39) NP-2322-A	(MH-41) NP-2321-A		Data not received.
7	28.12.12	Bhilai	400kv side of ICT-2	(CS-07) NP-2140-A	(CS-08) NP-2132-A		Data is corrupted

2. The Following Elements are Synchronised with the Grid for 1st time.

(i) 800MW, Unit-40 of CGPL UMPP, Mundra synchronized with WR grid for the 1st time on 28th Dec 2012 and started infirm injection to the WR Grid.

(ii) 600MW, Unit-1 of Essar MAHAN synchronized with WR grid for the 1st time on 24th Dec 2012 and started infirm injection to the WR Grid.

3.Non availability of Master frequency meter at Korba

NIL

4. Following Adjustment values are added to the main meter data due to discrepancy in the Main meter data

(i)NR:- SEM bearing sl.no. NP-5750-A & NP-5755-A A at Gwalior of 400kV Agra line1&2 has recorded erroneous data for time block 1230hrs to 1515hrs on 28th Dec 2012. Adjustment values are added to the respective time blocks.

(ii)SR:- SEM bearing sl.no. NP-4214-A at Bhadrawati of 400kV HVDC line-2 has recorded erroneous data for time block 2115hrs to 2345hrs on 29th Dec 2012. Adjustment values are added to the respective time blocks.

5.Details of operation of SSP units in synchronous condenser mode

NIL

6 Data not received from the following locations

NIL

7.Change in GETCO network losses wef 02nd August'2010

As per the GETCO letter dated 31-08-2010 for the year 2010-2011, the losses of GETCO network is approved as 4.2% . This loss has been applied to GETCO network for wheeling power to D&D and DNH wef 02th August'2010 .

II.Reactive Energy Accounting.

1)Due to non availability of following line meter readings, the same could not be included in the REC accounts of the following constituents.

1. MSETCL-ISTS: 400kv Mapussa line 1&2 at Kolhapur.

Annex 8.1 1/2

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
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पावरग्रिड

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सम्प्रीति नगर, नारी रिंग रोड, डाकघर : उप्पलवाडी, नागपुर - 440 026.
Sampriiti Nagar, Nari Ring Road, P.O. : Uppalwadi, Nagpur-440 026.
दूरभाष/Phone : 0712-2641478-79, फैक्स/Fax : 0712-2641366

e-mail : pgcil@nagpur.dot.net.in

पश्चिम क्षेत्र पारेषण प्रणाली -I, क्षेत्रीय मुख्यालय / Western Region Transmission System-I, Regional Hqrs.

sh-hone
Jaly
5-11
REF No.: WRTS:COMM:NGP/102

Date: 01.11.2012

To,

ए. बी. सि. म. मुंबई / WRPC
आगत संख्या / Inward No. 5760
दिनांक / Date 08/11/12

As per distribution List.

Sub: Declaration of Commercial Operation of Switchable line Reactor(SLR) at Bilaspur Pooling Station under "Common scheme for 765kV pooling stations and network for NR(Common for Sasan UMPP+NKP+Maithon/Koderma/Mejia/Bokaro/Raghunathpur/Durgapur+Import by NR from ER and from NER/SR/WR via ER) and Common scheme for network for WR(Common for NKP+Maithon/koderma/Mejia/Bokaro + Raghunathpur/Durgapur + Import by WR from ER and from NER/SR/WR via ER)".

Dear Sir,

We are pleased to inform that a 240MVAR switchable line reactor (SLR) on 765kV Ranchi-Sipat S/c line at Bilaspur S/s under above mentioned common scheme has been put into regular operation and being used as Bus Reactor till commissioning of 765kV Ranchi-Sipat S/c line. The Switchable Line Reactor is under commercial operation w.e.f. 01st November 2012.

Accordingly, the monthly transmission charges of this element will be payable w.e.f. 1st November 2012 by concerned DICs as per CERC (sharing of inter-state transmission charges & losses) Regulation 2010.

Thanking you,

Yours faithfully,

(Bharat Bhushan)
Executive Director (WR-I)

Contd...2

स्वहित एवं राष्ट्रहित में ऊर्जा बचाएँ । Save Energy for Benefit of Self and Nation.

List of Addresses

1. Member Secretary, WRPC, Mumbai.
2. MD, MP Power Management Co. Ltd, Jabalpur.
3. MD, MPPTCL, Jabalpur.
4. MD, MSEDCL, Prakashgad, Mumbai.
5. MD, MSETCL, Prakashganga, Mumbai
6. Chairman, GUVNL, Baroda.
7. MD, GETCO, Vadodara.
8. Chairman, CSPDCL, Raipur.
9. MD, CSPTCL, Raipur.
10. Chief Engineer, GOA Electricity Department, Panjim.
11. Executive Engineer, Electricity Department, Diu and Daman, Moti Daman, Daman.
12. Executive Engineer, Electricity Department, Dadra & Nagar Haveli, Silvassa.

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
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4th, 5th & 6th Floor, VUDA Bhavan, L&T Circle, Karelibaug, VADODARA - 390 018. (Gujarat) Ph. : 0265-2464266

पश्चिमी क्षेत्र पारेषण प्रणाली-II, क्षेत्रीय मुख्यालय
Western Region Transmission System-II, Regional Headquarter

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23-11

Ref : WR-II/VDR/COML/ 6909

प. ग. व. र. प. / WRPC Date : 16/11/2012

To,

आय.एस.ओ. / Inward No. 5215 19

As per Distribution List.

दिनांक / Date: 26/11/12

Sub : Commercial Declaration of assets commissioned under MUNDRA UMPP.

Dear Sir,

We are pleased to inform that the Ckt-I of 400kV D/C Gandhar- Navsari T/L along with associated bays at Gandhar and Navsari end are commissioned and put in to commercial operation w.e.f. 01/11/12.

Accordingly, the monthly transmission charges of the above transmission element will be payable by all concerned from 01st November 2012.

Note: Ckt-II of 400kV D/C Gandhar- Navsari T/L along with associated bays at Gandhar and Navsari end has already been commissioned and commercialised w.e.f 01/08/12.

Thanking you,

(R.K. Singh) 16/11

Executive Director (WR-II)

List of Addresses:

1. Member Secretary, WRPC, Mumbai.
2. Chairman, MPSEB, Jabalpur.
3. Managing Director, MSEDCL, Mumbai.
4. Chairperson, GUVNL, Baroda.
5. Chairman, CSEB, Raipur.
6. Chief Engineer, GOA Electricity Department, Panjim.
7. Executive Engineer, Electricity Department, Diu and Daman, Moti Daman, Daman.
8. Executive Engineer, Electricity Department, Dadra & Nagar Haveli, Silvassa.

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
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पश्चिमी क्षेत्र पारेषण प्रणाली-II, क्षेत्रीय मुख्यालय

Western Region Transmission System-II, Regional Headquarter

Ref : WR-II/VDR/COML/6909-

Date : 16/11/2012

To,

पश्चिमी क्षेत्र पारेषण प्रणाली-II, क्षेत्रीय मुख्यालय

आय.एस.ओ. 9001/Inward No. 5214

दिनांक /Date: 26/11/12

52 (C)

As per Distribution List.

As

Sub : Commercial Declaration of assets/ systems commissioned under SASAN UMPP.

Dear Sir,

765kV S/C Satna- Bina Ckt-I Transmission Line (planned under Sasan UMPP Transmission System) was charged at 400kV level as per decision of 32nd meeting of Standing Committee on Power System Planning in Western Region held on 13th May, 2011 at NRPC, Katwaria Sarai, New Delhi, under the Contingency Scheme for Rihand-III & Vindhyaachal-IV on 31.01.2012 and put into regular operation in Western Region.

This element is now upgraded to its rated voltage level i.e. 765kV w.e.f. 01/10/12.

Accordingly, the monthly transmission charges of the above transmission element will be payable by all concerned from 01st October 2012 as applicable for 765kV voltage level.

Thanking you,

(R.K. Singh)

Executive Director (WR-II)

List of Addresses:

1. Member Secretary, WRPC, Mumbai.
2. Chairman, MPSEB, Jabalpur.
3. Managing Director, MSEDCL, Mumbai.
4. Chairperson, GUVNL, Baroda.
5. Chairman, CSEB, Raipur.
6. Chief Engineer, GOA Electricity Department, Panjim.
7. Executive Engineer, Electricity Department, Diu and Daman, Moti Daman, Daman.
8. Executive Engineer, Electricity Department, Dadra & Nagar Haveli, Silvassa.

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पश्चिम क्षेत्र पारेषण प्रणाली -I, क्षेत्रीय मुख्यालय / Western Region Transmission System-I, Regional Hqrs.

REF No.: WRTS:COMM:NGP: 164

Date: 01.01.2013

To,

प. क्षेत्रीय मुख्यालय/WRPC

आवक संख्या/Inward No. 46

दिनांक/Date 7/1/2013

As per distribution List.

Sub: Declaration of Commercial Operation of "400kV D/C(Quad Moose) Raipur-Wardha line along with Fixed Series Compensation(FSC) in each circuit at Wardha end "under WRSS-II SET-A.

Dear Sir,

We are pleased to inform that 400kV D/C (Quad Moose) Raipur-Wardha Line along with FSC in each circuit (40% compensation rating) at Wardha end under Western Region strengthening scheme-II Set-A has been commissioned on 31.12.2012 accordingly the Transmission Line and FSCs are put under commercial operation w.e.f. **01st January 2013.**

Accordingly, the monthly transmission charges of this element will be payable w.e.f. **1st January 2013** by concerned DICs as per CERC (Sharing of Inter-State Transmission Charges & Losses) Regulation 2010.

Thanking you,

Yours faithfully,

(Bharat Bhushan)

Executive Director (WR-I)

Contd...2

स्वहित एवं राष्ट्रहित में ऊर्जा बचाएँ । Save Energy for Benefit of Self and Nation.

List of Addresses

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5. MD, MSETCL, Prakashganga, Mumbai
6. Chairman, GUVNL, Baroda.
7. MD, GETCO, Vadodara.
8. MD, CSPDCL, Raipur.
9. MD, CSPTCL, Raipur.
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पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
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पश्चिमी क्षेत्र पारेषण प्रणाली-II, क्षेत्रीय मुख्यालय
Western Region Transmission System-II, Regional Headquarter

Ref : WR-II/VDR/COML/

80451

Date : 05/01/2013

To,

प. वी. वि. ग. मुम्बई/WRPC

As per Distribution List.

आवक संख्या/Inward No. 100

दिनांक/Date 15/1/2013

Sub : Commercial Declaration of assets/ systems commissioned under MUNDRA UMPP.

Dear Sir,

We are pleased to inform that the 400kV D/C Mundra- Jetpur Transmission Line as per original scope, has been charged successfully on 31.12.2012 and put into regular operation in Western Region w.e.f 01.01.2013.

On charging of 400 KV D/C Mundra- Jetpur line as per original configuration, contingency arrangement of LILO of one circuit of 400 KV D/C Mundra- Limbdi line at Jetpur is discontinued with w.e.f. 31-12-2012.

Accordingly, the monthly transmission charges of the above transmission element i.e. 400 KV D/C Mundra- Jetpur line (complete line as per original scheme) will be shared and payable by all concerned from 01st January 2013 in accordance with CERC Regulation.

Thanking you,

(R.K. Singh)

Executive Director (WR-II)

List of Addresses:

1. Member Secretary, WRPC, Mumbai.
2. Chairman, MPSEB, Jabalpur.
3. Managing Director, MSEDCL, Mumbai.
4. Chairperson, GUVNL, Baroda.
5. Chairman, CSEB, Raipur.
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7. Executive Engineer, Electricity Department, Diu and Daman, Moti Daman, Daman.
8. Executive Engineer, Electricity Department, Dadra & Nagar Haveli, Silvassa.

Annex 8.6

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड

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5th & 6th Floor, VUDA Bhavan, Karelilbaug, Vadodara - 390018(Gujarat)

दूरभाषः/Phone: (O) 0265-2487541, फैक्सः/Fax: 0265-2487544

पश्चिम क्षेत्र पारेषण प्रणाली-II, क्षेत्रीय मुख्यालय
Western Region Transmission System - II, Regional Headquarters

प. वी. वि. स. मुंबई/WRPL
आवक संख्या/Inward No. 102
दिनांक/Date 15/1/2013

SE (C)
Dak
14-1

Ref : WR-II/VDR/COML/ 80431

Date : 05/01/2013

To,

As per Distribution List.

Sub : Commercial Declaration of assets/ systems commissioned under Provision for Spare Reactors for Western Region- Spare Reactor at Itarsi.

Dear Sir,

We are pleased to inform that the 125 MVAR, 400KV three Phase spare Reactor has been procured for Itarsi SS under "Provision for Spare ICTs and Reactors for Eastern, Northern, Southern and Western Region" and the same has been put into commercial operation in Western Region w.e.f 01.01.2013.

Accordingly, the monthly transmission charges of the above transmission element will be payable by all concerned from 01st January 2013.

Thanking you,

R.K. Singh
51/1/13

Executive Director (WR-II)

List of Addresses:

1. Member Secretary, WRPC, Mumbai.
2. Chairman, MPSEB, Jabalpur.
3. Managing Director, MSEDCL, Mumbai.
4. Chairperson, GUVNL, Baroda.
5. Chairman, CSEB, Raipur.
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पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
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पश्चिमी क्षेत्र पारेषण प्रणाली-II, क्षेत्रीय मुख्यालय
Western Region Transmission System-II, Regional Headquarter

Ref : WR-II/VDR/COML/ 8 U 4. 61

Date : 05/01/2013. से वि. ए. गुयई /WRPC

To,

आवक संख्या/Inward No 102

As per Distribution list.

दिनांक/Date: 15/1/2013

Sub: Commercial Declaration of assets / systems commissioned under Vindhyachal -IV and Rihand -III (1000 MW) Generation Projects (under contingency arrangement).

Dear Sir,

We are pleased to inform that interconnection of "400kV D/C (Quad) Vindhyachal -IV (NTPC) - Vindhyachal (Pooling station)" along with "400 KV D/C(twin) Vindhyachal pooling station- Sasan line [by passing Vindhyachal Pooling S/S]", thus making it direct "400 KV D/C Vindhyachal-IV -Sasan line" to facilitate the evacuation of POWER from VSTPP-IV Generation Project (under contingency plan) associated Transmission Scheme for "Rihand-III & Vindhyachal-IV" has been charged successfully on 29.12.2012 and put into regular operation in Western Region, and the same is under commercial operation w.e.f. 01st January 2013.

This is as per approval from CEA vide letter no 26/10/2012/SP & PA/1244 dated 26-11-2012.

Accordingly, the monthly transmission charges of the above transmission element will be shared and payable by concerned from 01st January 2013 in accordance with CERC Regulation.

Thanking you,

Yours faithfully,


(R. K. Singh)
Executive Director (WR-II)

List of Addresses

1. Member Secretary, WRPC, Mumbai.
2. Chairman, MPSEB, Jabalpur.
3. Managing Director, MSEDCL, Mumbai.
4. Chairperson, GUVNL, Baroda.
5. Chairman, CSEB, Raipur.
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पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड

(भारत सरकार का उद्यम)

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प. दी. नि. स. मुंबई / WRPC

आवक संख्या / Inward No. 103

दिनांक / Date: 15/1/2013

"आय.एस.ओ. 9001 : 2000 प्रमाणित कंपनी" - "I.S.O. 9001 : 2000 Certified Company"

पांचवां व छठा तल, वुडा भवन, करेलीबाग, वडोदरा - 390018(गुजरात)
5th & 6th Floor, VUDA Bhavan, Karelibaug, Vadodara - 390018(Gujarat)

दूरभाष: / Phone: (O) 0265-2487541, फैक्स: / Fax: 0265-2487544

पश्चिम क्षेत्र पारेषण प्रणाली-II, क्षेत्रीय मुख्यालय
Western Region Transmission System - II, Regional Headquarters

Ref : WR-II/VDR/COML/ 8044

Date : 05/01/2013

To,

As per Distribution List.

Sub : Commercial Declaration of assets/ systems commissioned under SASAN UMPP.

Dear Sir,

We are pleased to inform that the 765kV S/C Sasan -Satna Ckt-I at 765 kV level (as per original scheme of Sasan UMPP) Transmission Line has been completed. Charging clearance from CEA has been received on 21.12.2012 (enclosed). This Transmission line shall be charged and synchronised at rated voltage as and when the switchyard of SASAN UMPP is ready for commissioning.

This is in line with the in principal approval by CEA vide their letter ref: 26/10/2012/SP &PA/1244 dated 26-11-2012

Accordingly, the monthly transmission charges of the above transmission element will be payable by all concerned from 01st January 2013.

Thanking you,

Executive Director (WR-II)

List of Addresses:

1. Member Secretary, WRPC, Mumbai.
2. Chairman, MPSEB, Jabalpur.
3. Managing Director, MSEDCL, Mumbai.
4. Chairperson, GUVNL, Baroda.
5. Chairman, CSEB, Raipur.
6. Chief Engineer, GOA Electricity Department, Panjim.
7. Executive Engineer, Electricity Department, Diu and Daman, Moti Daman, Daman.
8. Executive Engineer, Electricity Department, Dadra & Nagar Haveli, Silvassa.

LTA Status for the month December, 2012														
S. No.	Name of LTA Customer (Injecting utility)	Generator/Load/Trader	Region	Quantum of LTA granted	LTA with tied up beneficiaries	Name of the beneficiaries	Quantum for target Regions (MW) - for LTA with united beneficiaries					Whether applicable during the month	Remarks	
							NR	ER	WR	NER	SR	TOTAL		
1	Lanco Kondapalli PPL	Generator	SR	250	0	NA	100	-	150	-	-	250	Yes	Quantum revised during the 34th Standing Committee Meeting of SR held on 16.04.2012 & 19th meeting of SRPC held on 01.06.2012. This shall be effective from 01.02.2012.
2	ADHPL	Generator	NR	192	0	NA	192	-	-	-	-	192	Yes	
3	Lanco Anpara	Generator	NR	100	0	NA	100	-	-	-	-	100	Yes	
4	JINDAL	Generator	WR	500	0	NA	-	-	500	-	-	500	Yes	
5	PTC(Lanco Amarkantak)	Trader	WR	300	0	NA	-	-	300	-	-	300	Yes	
6	APL MUNDRA	Generator	WR	200	0	NA	-	-	200	-	-	200	Yes	
7	Torrent Power	Generator	WR	300	100	MP	-	-	200	-	-	200	Yes	Quantum revised in 34th Standing Committee Meeting of WR held on 09.05.2012. This shall be effective from 01.06.2012.
8	MPPTC (DVC Power)	Trader	WR	450	450	MP	-	-	-	-	-	0	Yes	This is being revised due to commissioning of Durgapur TPS (Unit #1) in May'12, in which MP has 50 MW share. This shall be effective from 01.06.2012.
9	DD (NSPCL)	Load	WR	70	70	DD	-	-	-	-	-	0	Yes	
10	DNH (NSPCL)	Load	WR	100	100	DNH	-	-	-	-	-	0	Yes	
11	BRPL (DVC Power)	Load	NR	100	100	BRPL	-	-	-	-	-	0	Yes	
12	BYPL (DVC Power)	Load	NR	63	63	BYPL	-	-	-	-	-	0	Yes	
13	NDPL (DVC Power)	Load	NR	67	67	NDPL	-	-	-	-	-	0	Yes	
14	HPSEB(BASPA)	Load	NR	300	300	HPSEB	-	-	-	-	-	0	Yes	
15	PTC(Maithon/Jeevareest Power)	Trader	NR	86	86	PSEB	-	-	-	-	-	0	Yes	
16	Punjab (PPCL)	Load	NR	140	140	Punjab	-	-	-	-	-	0	Yes	with effect from 28.12.2011
17	Haryana (PPCL)	Load	NR	140	140	Haryana	-	-	-	-	-	0	Yes	with effect from 28.12.2011
18	PPCL	Generator	NR	140	140	NA	140	-	-	-	-	140	Yes	with effect from 28.12.2011
19	NDPL (CLP Jhaljar)	Load	NR	124	124	NDPL	-	-	-	-	-	0	Yes	with effect from 22.01.2012
20	Jaypee Kacham Hydro Power Corporation Limited (JKHPCL)	Generator	NR	176	0	NA	176	-	-	-	-	176	Yes	with effect from 01.04.2012
21	PTC (JKHPVL)	Trader	NR	704	0	NA	704	-	-	-	-	704	Yes	with effect from 01.04.2012
22	Himachal Sorang	Generator	NR	100	0	NA	100	-	-	-	-	100	Yes	with effect from 01.04.2012
23	Maithon Power Limited (MPL U#1)	Generator	ER	140.5	0	NA	-	-	140.5	-	-	140.5	Yes	with effect from 01.04.2012
24	NDPL (MPL U#1)	Load	NR	140.5	140.5	NDPL	-	-	-	-	-	0	Yes	with effect from 01.04.2012
25	DVC (MPL U#1)	Load	ER	140.5	140.5	DVC	-	-	-	-	-	0	Yes	with effect from 01.04.2012
26	WBSEDCL (MPL U#1)	Load	ER	70	70	WBSEDCL	-	-	-	-	-	0	Yes	with effect from 01.04.2012
27	BYPL (DVC Meija U#1)	Load	NR	119.19	119.19	BYPL	-	-	-	-	-	0	Yes	with effect from 19.04.2012
28	Haryana (DVC Meija U#1)	Load	NR	50	50	Haryana	-	-	-	-	-	0	Yes	with effect from 19.04.2012
29	DVC (DVC Meija U#1)	Load	ER	12.5	12.5	DVC	-	-	-	-	-	0	Yes	with effect from 19.04.2012
30	Punjab (DVC Durgapur)	Load	NR	100	100	PSPCL	-	-	-	-	-	0	Yes	with effect from 21.05.2012
31	MPPTC (DVC Durgapur)	Load	WR	0	0	MPPTCL	-	-	-	-	-	0	Yes	with effect from 21.05.2012 to 31.05.2012 for 50 MW to be billed and from 01.06.2012 till 31.08.2012 RTA needs to be revised for this power (0 MW) as it has already been captured in transaction mentioned at sl. No. 8 above.
32	PTC (Budhil)	Trader	NR	61.6	0	NA	61.6	-	-	-	-	61.6	Yes	with effect from 26.05.2012
33	Lanco Green Power Private Limited	Generator	NR	8.4	8.4	NA	-	-	-	-	-	0	Yes	with effect from 26.05.2012. Further, even though HPSEB is the beneficiary, the transmission charges shall be billed to Lanco Green PPL as per BPTA signed by Lanco Green PPL.
34	Maithon Power Limited (MPL U#2)	Generator	ER	140.5	0	NA	-	-	140.5	-	-	140.5	Yes	with effect from 24.07.2012
35	NDPL (MPL U#2)	Load	NR	140.5	140.5	NDPL	-	-	-	-	-	0	Yes	with effect from 24.07.2012
36	DVC (MPL U#2)	Load	ER	140.5	140.5	DVC	-	-	-	-	-	0	Yes	with effect from 24.07.2012
37	WBSEDCL (MPL U#2)	Load	ER	70	70	WBSEDCL	-	-	-	-	-	0	Yes	with effect from 24.07.2012
38	BYPL (DVC Meija U#2)	Load	NR	70	70	WBSEDCL	-	-	-	-	-	0	Yes	with effect from 01.04.2012
39	Haryana (DVC Meija U#2)	Load	NR	119.19	119.19	BYPL	-	-	-	-	-	0	Yes	with effect from 16.08.2012
40	DVC (DVC Meija U#2)	Load	ER	50	50	Haryana	-	-	-	-	-	0	Yes	with effect from 16.08.2012
41	ACB Limited	Generator	WR	243	200	DVC	-	-	-	-	-	0	Yes	with effect from 13.09.2012
42	Spectrum Coal & Power	Generator	WR	100	0	NA	-	-	43	-	-	43	Yes	with effect from 13.09.2012
43	EMCO Energy Limited	Generator	WR	520	0	NA	-	-	100	-	-	100	Yes	with effect from 13.09.2012
44	Adani Power Limited	Generator	WR	342	0	NA	-	-	520	-	-	520	Yes	with effect from 19.10.2012
45	Adani Power Limited	Generator	WR	342	0	NA	342	-	-	-	-	342	Yes	with effect from 06.12.2012
Total				7393.38	3183.78		1915.6	281	2013	0	0	4209.6		

Applications Granted Medium Term Open Access (MTOA) by POWERGRID

Sl. No.	Name of the Applicant	Injection of Power		MTOA Granted for (MW)	Date from which MTOA is Granted	Date upto which MTOA Granted	Drawl of Power		Remarks
		Entity / Location of Generating Station	Region				Entity / Location of Loads	Region	
1	SAIL - VISP	NSPCL, Bhilai, Chhattisgarh	WR	10.92	01.11.2011	31.05.2014	SAIL-VISP, Kamataka	SR	
2	National Energy Trading and Service Ltd.	Bharat Aluminium Company Ltd, Chhattisgarh	WR	100	01.06.2012	15.06.2013	BESCL, Kamataka	SR	
3	National Energy Trading and Service Ltd.	Chhattisgarh State Power Distribution Co. Ltd., Chhattisgarh	WR	150	01.06.2012	15.06.2013	BESCL, Kamataka	SR	
4	General Manager (Elec). Power Purchase, BESCOM, Kamataka	GUVNL, Gujarat	WR	500	01.06.2012	15.06.2013	BESCOM, Kamataka	SR	
5	WBSEDCL	Baghlihar, Jammu & Kashmir	NR	100	01.07.2012	30.06.2015	WBSEDCL, West Bengal	ER	
6	B.N.Mehta, Superintending Engineer, UTDNH	NSPCL, Bhilai, Chhattisgarh	WR	64	01.08.2012	31.03.2013	Dadra & Nagar Haveli	WR	To be incorporated in RTA w.e.f 01.08.2012
7	M.R.Ingle, Executive Engineer, UTDD	NSPCL, Bhilai, Chhattisgarh	WR	22	01.08.2012	31.03.2013	Daman & Diu	WR	To be incorporated in RTA w.e.f 01.08.2012
8	PTC India Limited	Simhapuri Energy Pvt. Ltd.	SR	170	01.12.2012	30.05.2013	APCPDCL, Andhra Pradesh	SR	

1116.92



भारत सरकार
Government of India
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पश्चिम क्षेत्रीय विद्युत समिति
Western Regional Power Committee



आई एस ओ : 9001-2008

ISO : 9001-2008

एफ -3, एमआयडीसी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400 093
F-3, MIDC Area, Andheri (East), Mumbai - 400 093

दूरभाष Phone: 022- 28221681; 28250004; 28200195; फैक्स Fax : 022 - 28370193

Website : www.wrpc.gov.inE-mail : comm1-wrpc@nic.in

No. : WRPC/Comm1.-I/CCM/ /2012/10540 Date: 25.10.2012

To,

As per meeting list

Sub : Minutes of the meeting to discuss Formation and Operationalization of W3 bid area and Signing of MOU by management of all utilities/CPPs in WR.

Sir,

Please find enclosed herewith Minutes of the meeting to discuss Formation and Operationalization of W3 bid area and Signing of MOU by management of all utilities/CPPs in WR, held on 19.10.2012 at WRLDC, Mumbai for your information and necessary action.

Yours faithfully,

Encl.: As above

for Superintending Engineer (Comm1.)

MAILING LIST

1. Executive Director (Finance), Gujarat Urja Vikas Nigam Ltd., Vadodara-390 007
2. Chief Engineer (LD), Gujarat Energy Transmission Corpn. Ltd., Vadodara- 390 021
3. Chief General Manager (Comml), MP Power Management Co.Ltd., Jabalpur-482 008
4. Chief Engineer (LD), M P Power Transmission Company Ltd.,SLDC, Jabalpur 482 008.
5. Chief Engineer (Comml), Chhattisgarh State Power Distribution Co. Ltd., Raipur – 492 013
6. Chief Engineer (LD), Chhattisgarh State Power Transmission Co. Ltd., Bhilai-490 024.
7. Chief Engineer (PP), Maharashtra State Electricity Distribution Co. Ltd., Mumbai-400 051
8. Chief Engineer (LD), State Load Despatch Centre, MSETCL, New Mumbai - 400 708
9. Chief Electrical Engineer, Panjim, Goa-403 001
10. Executive Engineer, Electricity Department, Daman-396 210
11. Executive Engineer (Elect), Electricity Department, Silvassa-396 230
12. Addl. General Manager (Comml), Nuclear Power Corpn. of India Ltd., Mumbai-400 094
13. General Manager (Comml), NTPC Ltd., New Delhi-110 003
14. Regional Executive Director (West), NTPC Ltd., Mumbai-400 093
15. General Manager (Com. & CP), NTPC SAIL Power Co. Pvt. Ltd., New Delhi -110 066
16. Executive Director (Comml), PGCIL, Gurgaon, Haryana-122 001
17. General Manager, WRTS-I, PGCIL, Nagpur-440 026
18. Addl. General Manager (Comml), WRTS-I, PGCIL, Nagpur-440 026
19. GM, POSOCO,WRLDC, Mumbai-400 093
20. Dy. General Manager (Comml), Ratnagiri Gas & Power Pvt. Ltd., Mumbai-400 093
21. Vice President, Adani Power Limited, Ahmedabad – 380015
22. Addl. Chief Engineer (R & C), Gujarat Energy Trans. Corpn. Ltd., Vadodara-390 007
23. Chief Engineer (Trans. O&M), MSETCL, Mumbai-400 051
24. General Manager (Comml), LANCO Amarkantak Power Private Ltd., Gurgaon – 122 016
25. Member(Power), Narmada Control Authority, Indore.-452 010
26. Asst. Vice President, Jindal Power Ltd., Tamnar, Raigarh, Chhattisgarh – 496 001
27. Executive Director (Comml), Torrent Power Ltd., Ahmedabad- 380 009
28. DGM(PS), SAIL, Bhilai Plant, Bhilai-490 001.
29. AVP(Power Trading),GMR Energy Trading Ltd., Bangalore-560 029.
30. DGM Finance, CGPL, UMPP Mundra, Kutch-370 435.
31. Shri V.K.Agrawal, GM(NLDC), New Delhi.

**Minutes of meeting to discuss "Formation and Operationalization of W3 bid area" and
"Signing of MOU by management of all utilities/CPPs in WR"**

A meeting to discuss the issues involved with the formation and operationalization of W3 bid area by NLDC and signing of MOU by managements of utilities/CPP's for extending start-up power during grid disturbance was held at Mumbai on 19th October 2012. The list of the participants is enclosed at Annexure-1.

Shri S.D. Taksande, Member Secretary I/c, WRPC welcomed the participants for the meeting. He thanked Shri V.K. Agrawal, GM, NLDC for accepting invitation and making himself available for the meeting. He also thanked the representatives from CPP's for taking keen interest in the issue of signing of MOU by managements of utilities with the CPP's for extending start-up power during grid disturbance.

A) Formation and Operationalization of W3 bid area:

Member Secretary I/c WRPC expressed that there are concerns/grievances among the Constituents/PPs of WR on formation of the "W3" bid area. He expressed that on behalf of constituents and CPPs he would like to understand following issues :

- 1) What was the necessity of W3 bid area?
- 2) Carving of new "W3" bid area out of two areas in WR and ER.
- 3) Whether NLDC has the necessary mandate to create such a bid area?
- 4) How the bid area is configured?
- 5) Whether it has solved the problem or it has generated new problem?
- 6) Why consensus was not evolved?
- 7) Why Sterlite generation is taken in W3 overstepping Regional boundary?

He requested Shri V.K. Agrawal, GM, NLDC to address the above concerns and explain in general the overall concept for formation of "W3" bid area, to understand and remove misgivings about it.

Shri V.K.Agrawal, GM, NLDC explained the following:-

1) Creation of New Bid Areas :

Bid Area S2 was created out of SR and was operationalised since January 2010. The bid area S1 comprised of AP + Karnataka control areas and S2 comprised of TN + Kerala + Puducherry. Bid Area N3 was created and operationalised in August 2011 out of N2 bid area in NR. Bid Area N3 comprised of Punjab. Bid Area W3 was created in August 2011 along with N3 and comprised of Chhatisgarh from WR.

In future more bid areas could be created in line with the discussions held in CAC Meeting to handle congestion. He further summarized that each Control Area may become a bid area.

2) Operationalization of Bid Area W3

Two Meetings were held between CERC, NLDC and Power Exchanges on 03rd Sep 2012 & 12th Sep 2012. The declaration of Margins for W3, by declaration of the TTC/ATC for W3 was done by NLDC since 7th Sep 2012 and this bid area was operationalised since 18th Sep. 2012

3) Inclusion of Sterlite in W3

He explained that an electrical flows between two nodes is determined by KCL and KVL and does not depend on the geographical locations of the nodes. Availability of margins on the links connecting these two nodes does not have any bearing on the geographical location of these nodes and therefore does not recognize the administrative margins of State/Region Though, Sterlite (1800 MW) is geographically located in Odisha, it is interconnected with the grid between the nodes, one of which is in Chhattisgarh and the other one in Orissa. Two circuits of Raigarh-Rourkela inter-regional links are LILOed at Sterlite for connectivity as an interim arrangement. Generation of Sterlite (Units 1, 3 and 4 having total capacity of 1800MW) has the same impact on the network/line flows as the other generating stations in the Chhattisgarh area. In real time direction of power flow from this station can be in either direction i.e. towards Chhattisgarh or Orissa depending on the load generation balance and network availability in the two states.

4) Generation in W3 Area:

Sr. No.	Power Station	Installed Capacity MW	Sent out MW	Effective LTA/MTOA MW	Effective Scheduling under LTA/MTOA MW
1	Korba-St 1,2	2100	1949	1949	1949
2	Korba-St 3	500	468	468	468
3	Sipat-St 1	1980	1851	1851	1851
4	Sipat-St 2	1000	935	935	935
5	NSPCL**	500	460	460	460
6	BALCO	135	123	100	100
7	ACBIL	270	248	200	200
8	JPL	1000	920	500	0
9	JSPL	270	248	0	0
10	Lanco	600	550	300	0
10	Sterlite	1800	1670	0	0
11	CSPDCL	—	—	150	150
Total :		10155	9422	6913	6113

From above table it is seen that generation of around **9422MW** is required to be evacuated through the available network.

5) Export Transfer Capability of W3 Zone :

Corridor	Date	TTC	RM	ATC	LTA/MTOA	Margin for STOA	Comments
W3 zone export TTC#	1 st Oct2012 to 31 st Oct2012	7000 MW	200 MW	6800 MW	6100 MW	700 MW	6100 MW corresponds to maximum effective LTA from W3. Export Margin from W3 would vary as per the maintenance schedule of generators in the zone.

The Limiting Constraints felt through studies were high loading of 400 kV Raipur-Bhadrawati T/C, Bhilai-Bhadrawati S/C, Bhilai-Koradi and Bhilai-Seoni.

There has been significant addition of generation due to commissioning of following new generating units in Chattisgarh in the recent past;

- KORBA-III: 500 MW in March 2011
- SIPAT UNIT-1: 660 MW in October 2011
- SIPAT UNIT-2: 660 MW in May 2012
- SIPAT UNIT-3: 660 MW in August 2012

Due to commissioning of these generating units, upcoming generation through the route of IPPs and change in the generation demand scenario in ER and WR , the flow on ER-WR corridor has changed from that envisaged during the planning of the corridor.

Further there is a large variation in DC being declared by NTPC stations and therefore it is becoming very difficult to ascertain the availability of margins.

The presentation of NLDC is enclosed at **Annex-2**.

NTPC representative clarified that declaration of DC is being done by them as per the provisions of IEGC by ascertaining various conditions on site such as fuel quality, availability of resources etc and should not be questioned. In case RLDC feels that the DC is not faithful, they can ask for demonstration of the same. This would definitely be not a reason for formation of W3 bid area.

Chattisgarh representative stated that the power system of the country has been divided into five regions by Government of India. The powers for region-wise demarcation and modification therein have been vested with the Central Government under the Act 25 of Electricity Act, 2003. Regional Load Despatch Centres have also been established under this provision. The Article-6.4 of the IEGC defines the Demarcation of responsibilities of regional entities. The generators and other Utilities situated in the State of Gujarat, Maharashtra, Madhya Pradesh, Chhattisgarh, Goa and Union Territories of Daman & Diu and Dadar Nagar Haveli are falling under the Western Region for the operational convenience of the power transactions on Power Exchanges, generally each Region has been sub-divided. In their opinion this newly created zone, power generator situated in other Region (Sterlite) has also been included, thus region-wise demarcation has been over-stepped by NLDC. Therefore creation of W3 zone in Western Region may be relooked by NLDC as it is in contravention of Act 25 of the IE Act 2003.

He further expressed that creation of new bid area W3 has made adverse effect on the economics of power export from Chhattisgarh State as a whole. Under these conditions power generation in the Chhattisgarh State is adversely affected.

Lanco Amarkantak and Jindal representative stated that due to inclusion of sterlite in this newly created bid area the margins have shrunk. Therefore Sterlite may be excluded from the W3 bid area.

MSEDCL representative stated that due to formation of W3 bid area the margins for STOA have reduced significantly because of which they are unable to procure power from the generation surplus area of Chattisgarh.

GUVNL representative stated that connectivity has been granted to large number of IPPs without being charged to share the transmission charges (though as per the provisions of regulations in force), thereby creating congestion. The Long term customers of the transmission system have been sharing the transmission charges. Therefore unless the issue of granting connectivity without sharing the transmission charges is addressed the congestion can not be avoided.

Superintending Engineer(Comml.) stated that due to reduction in margins for STOA, the available generation in Chattisgarh area is bottled up and even though the generation deficit area want to avail power from this area they are unable to tie up with the generators of Chattisgarh in short term. The extension of W3 bid area beyond the control area of WR boundary by including Sterlite generators in this area does not follow the transmission planning by Standing Committee on Regional basis and therefore it needs to be revived.

It was pointed that the boundaries of bid area should coincide with the bottlenecks in the transmission systems. The bid area should be a continuous area wherein there would be a free exchange of power without transmission congestion for the power flow. Earlier the W2 bid area comprised of MP and Chattisgarh, now with the formation of W3 bid area MP and Chattisgarh have been split and are placed in W2 and W3 bid areas respectively. Till now no transmission congestion between MP and Chattisgarh has been observed, therefore splitting up of these states into two separate areas would not be in line with the principles of the bid area formations.

GM WRLDC stated that the Bhilai- Seoni lines are getting congested and creating bottleneck for evacuation of power from Chattisgarh to MP, since evacuation through 765kV Sipat-

Seoni-Wardha corridor is not significant and the lines have to be opened due to High Voltage problems. He further suggested that instead of discussing on the legalities of formation of W3 bid area, we should concentrate on making more and more margins available in the bid area by utilizing the assets being kept idle in the new bid area. The extra margins could be made available by taking the following lines into consideration by installing reactors for addressing the High Voltage problems experienced on these lines.

1) Korba-Birsinghpur

2) Seoni- Wardha

3) Sipat-Lanco-Raipur

Member Secretary stated that system strengthening and reactor installation are continuous process and being planned and monitored by various groups/forums of CEA/CTU. It is inappropriate to visualise in evolving system to have all the grid elements in place and all parameters in limits. W3 bid area formation is formed to take care of present problem of congestion. But due to formation of W3 bid area generation should not be bottled up, as region is facing a shortfall and the shortfall will increase during winter season.

After discussions NLDC was requested to either to review the creation of the W3 bid area and retain the earlier area demarcations or exclude sterlite from the W3 bid area.

B) Signing of MOU by management of all utilities/CPPs in WR:

Member Secretary I/c stated that the matter was discussed in the 62nd CCM and it was decided that a separate meeting be held with CPPs. WRLDC vide letter No. AGM/WRLDC/12/617 dated 04.10.2012 (enclosed at **Annex-3**) have intimated that, in line with the minutes of the meeting taken by Member (GO & D) on 28th August 2012, a draft MOU has been prepared so as to ensure that there is no commercial issue raised by any utility including CPP's in WR in case of start up power extension after a grid disturbance.

He informed participants that the matter regarding settlement of commercial issues involving start up power by any generator has been taken up by Secretary CEA with Secretary CERC (copy enclosed at **Annex-4**). He further stated that issue of any directions from CERC would take some amount of time and meanwhile some arrangement between Utilities/CPP should be in place. In this context he suggested that the MOU may be signed by management of all

utilities / CPP's in Western Region and would be kept in all the Control Rooms of WR. Such arrangement is felt absolutely necessary till any final regulation from the Honourable CERC is in place.

He requested participants to deliberate on the issue

GM WRLDC stated that the CPPs have SPS in place and during grid disturbance they would be in a position to extend start up power which would help in early recovery from the grid disturbance. During the last Grid Disturbances the generators which got islanded were hesitant to extend start up power since the commercial mechanism for compensation is not in place, pending final regulation from Hon'ble CERC, MOU may be signed without attaching any commercial tag. Any such support by any utility to any other utility as the case may be would be settled and disbursement is completed within 3 months from the date of grid disturbance.

GUVNL representative stated that this is a very delicate issue and needs to be properly addressed. He enquired who will pay to the CPPs and how it will be adjusted. Further who will bear the loss to the CPP, if any, due to loss of generation of CPPs(due to tripping of the generators at CPP) during extending the power.

GM WRLDC stated that the generators for whom the start up power has been availed from the CPP would pay to the CPP.

GUVNL representative stated that the payments made by generators towards above will subsequently be billed to beneficiaries and it is beyond understanding that why beneficiaries be made to pay.

CPP representative made following points:

- 1) Nalco representative intimated that the load with which the generators get isolated from grid is approximately equal to the exbus generation capacity at Nalco, therefore there would not be any spare capacity available for extending start up power.
- 2) Reliance representative intimated that captive power plants are installed by industries to cater their continuous processes and any interruption(tripping of generator) of supply to these continuous processes during extension of supply for start up, would put them to a great loss. If such loss to industry occurs who will compensate it. Also

assurance on the grid quality under grid disturbance needs to be given to the CPPs, since under such disturbances the grid quality is always suspected to be vulnerable.

- 3) SAIL(Bhilai) representative stated that loss of supply to a continuous process industry shall not only be viewed as a financial loss, but also be viewed from the point of view of threat to life, since this may lead to interruption of processes which involve handling of hazardous gasses. This may lead to disasters of large scale as experienced in the past.

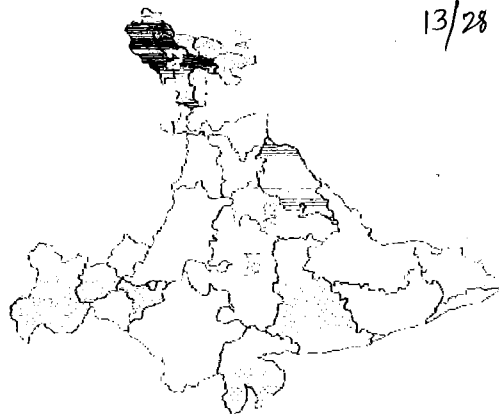
After discussing the concerns of the CPPs, it was opined that the CPPs and management of utilities shall ascertain the threats & opportunities and accordingly decide on whether to sign MOU with particular CPP.

Annex-1

**Participants list for meeting on Signing of MoU by Utilities/CPP's & Operationalisation of W3
Bid Area held on 19.10.2012**

Sl.No.	Name	Designation	Organisation
1	Shri G.C. Mukharjee	CE	CSPDCL
2	Shri P.J. Jani	EE	GUVNL
3	Shri A.B. Bajpayee	CGM	MPPMCoLtd
4	Shri A.S. Chavan	CE	MSEDCL
5	Smt R.R. Nair	EE	MSEDCL
6	Shri V.D. Pande	EE	MSETCL SLDC
7	Shri V.K. Agrawal	GM	NLDC <i>---Special Invitee</i>
8	Shri Harinath	AGM (OS)	NTPC, Mumbai
9	Shri E.P.Rao	AGM (Comm.)	NTPC, Mumbai
10	Shri D. Shrikhande	DGM	NTPC, Mumbai
11	Shri Oswald Menezes	DGM	NTPC, Mumbai
12	Shri M.K. Jain	DGM	NTPC, Mumbai
13	Mis. Shilpa Agarawal	Mgr. (Comm.)	NTPC, Delhi
14	Shri C.M. Varghese	AGM	POWERGRID
15	Shri Vaibhav Tandon	Dy. Mgr.	Adani Power Ltd.
16	Shri Vikas Saxena	EVP	Jindal Power Ltd.
17	Shri R.C. Gupta	CPP	Jindal Power Ltd. Tamnar
18	Shri Anil Sharma	Sr. GM(Comm.)	LANCO Amarkantak P Ltd.
19	Shri P. Pentayya	G M	WRLDC
20	Shri V K Shrivastava	AGM	WRLDC
21	Shri V.A. Murty	DGM	WRLDC
22	Shri Abhimanyu Gartia	DGM	WRLDC
23	Shri C.S. Bobade	CM	WRLDC
24	Smt. Pushpa Seshadri	CM	WRLDC
25	Shri K. Muralikrishna	CM	WRLDC
26	Smt. Roselind Varghese	CM	WRLDC
27	Smt. S. Usha	CM	WRLDC
28	Shri S.D. Taksande	M S	WRPC
29	Shri O.P. Singh	S E (C)	WRPC
30	Shri Satyanarayan S.	S E (O)	WRPC
31	Shri M.M. Dhakate	S E (P)	WRPC
32	Shri L.K.S. Rathore	A S	WRPC
33	Shri D.N. Gawali	E E	WRPC
34	Shri P.D. Lone	E E	WRPC
CPP			
35	Shri Umesh Pd. Jaiswal	GM	BACoLtd., Korba
36	Shri Nilay Dave	Jt.GM	BPLtd. Hazira
37	Shri P. Kothari	Sr.V.P.	Essar Power Ltd.
38	Shri Lalit Kumar Jethwa	DGM	Essar Ref., Jamnagar

39	Shri Kartikeya Misra	DGM	JSW Energy, Ratnagiri
40	Shri Shiv Raj Singh	Advisor	MIEL
41	Shri R.K. Rai	Sr. GM	Monnet Espat & Eng.Ltd.
42	Shri S.D. Jha	AGM	NTPC, SAIL
43	Shri D. Das	AGM	NTPC, SAIL
44	Shri Pavan Kumar	Engr.	NTPC, SAIL
45	Shri R.G. Gupta	DGM	SAIL, Bhilai
46	Shri Prateek Dhingra	Mgr.	Rel.Ind., Dahej
47	Shri R.K. Bansal	AVP	RIL, Hazira
48	Shri Mahesh S. Kotasthane	Sr. GM	RIL, Mumbai
49	Shri D.B. Mundra	Sr. V.P.	Uttra Tech Cement Ltd.
50	Shri Amrendra K. Singh	GM	Uttra Tech Cement Ltd.
51	Shri Bhaskar Jawde	Sr.V.P.	WPCL, Warora



Generation in W3 Area

Sr. No.	Power Station	Installed Capacity MW	Sentout MW	Effective LTA/MTOA MW	Effective Scheduling under LTA/MTOA MW
1	Korba-St 1, 2	2100	1949	1949	1949
2	Korba-St 3	500	468	468	468
3	Sipat-St 1	1980	1851	1851	1851
4	Sipat-St 2	1000	935	935	935
5	NSPCL**	500	460	460	460
6	BALCO	135	123	100	100
7	ACBIL	270	248	200	200
8	JPL	1000	920	500	0
9	JSPL	270	248	0	0
10	Lanco	600	550	300	0
10	Sterlite	1800	1670	0	0
11	CSPDCL	---	---	150	150
	Total	10155	9422	6913	6113

Operationalization of Bid Area W3

- Two Meetings held between CERC, NLDC and Power Exchanges
 - 3rd Sep 2012
 - 12th Sep 2012
- Declaration of Margins for W3
 - By declaration of the TTC/ATC for W3 by NLDC since 7th Sep 2012
- Operational
 - Since 18th Oct 2012

Interconnecting Lines from W3

S. No.	Axis	Name of the Line	kV	Length in ckt km	Type of conductor	Configuration
1	W3-W1	Bhilai - Seoni (LLO portion)	400	230	ACSR Moose	Twin
2	W3-W1	Rihapur - Seoni I	765	337	Beramis	Quad
3	W3-W1	Bilaspur - Seoni II	765	338	Beramis	Quad
4	W3-W1	Mahan (Esser) - Korba	400	196	ACSR Moose	Twin
5	W3-W1	Vindhyachal - Korba-II	400	289	ACSR Moose	Twin
6	W3-W1	Anarkantak-Komikala-1	220	61	ACSR Zebra	Single
7	W3-W1	Anarkantak-Komikala-2	220	61	ACSR Zebra	Single
8	W3-W2	Bhilai - Bhadravati	400	322	ACSR Moose	Twin
9	W3-W2	Bhilai - Koradi	400	272	ACSR Moose	Twin
10	W3-W2	Rajpur - Bhadravati-I	400	333	ACSR Moose	Twin
11	W3-W2	Rajpur - Bhadravati-II	400	346	ACSR Moose	Twin
12	W3-W2	Rajpur - Bhadravati-III	400	346	ACSR Moose	Twin
13	W3-ER	Sterlite - Rourkela-I	400	113	ACSR Moose	Twin
14	W3-ER	Rajgarh - Rourkela II	400	209	ACSR Moose	Twin
15	W3-ER	Rajgarh - Rourkela IV	400	209	ACSR Moose	Twin
16	W3-ER	Sipat-Ranchi - I	400	406	ACSR Moose	Twin
17	W3-ER	Sipat-Ranchi - II	400	406	ACSR Moose	Twin
18	W3-ER	Balco-Birainpur	400	236	ACSR Moose	Twin
19	W3-ER	Vandana-Birainpur	400	215	ACSR Moose	Twin
20	W3-ER	Sterlite - Rourkela-II	400	113	ACSR Moose	Twin
21	W3-ER	Korba East-Budhipadan-2	220	176	ACSR Zebra	Single
22	W3-ER	Korba East-Budhipadan-Q	220	176	ACSR Zebra	Single
23	W3-ER	Rajgarh PG-Budhipadan-1	220	105	ACSR Zebra	Single

Inclusion of Sterlite in W3

- Congestion
 - An electrical phenomenon dependent on the network margins
 - Does not recognize the administrative margins of State/Region
- Imperatives for inclusion of Sterlite in W3
 - Though, Sterlite (1800 MW) is geographically located in Odisha, it is interconnected with the grid between the nodes, one of which is in Chattisgarh and the other one in Orrisa.
- Network
 - Two circuits of Raigarh-Rourkela inter-regional links
 - LLOed at Sterlite for connectivity as an interim arrangement
 - 400 kV Raigarh Rourkela
 - 400 kV Sipat Ranchi lines
- Generation of Sterlite (Units 1, 3 and 4)
 - Has the same impact on the network/line flows as the other generating stations in the Chattisgarh area
 - In real time direction of power flow from this station can be in either direction i.e. towards Chattisgarh or Orissa depending on the load generation balance and network availability in the two states.

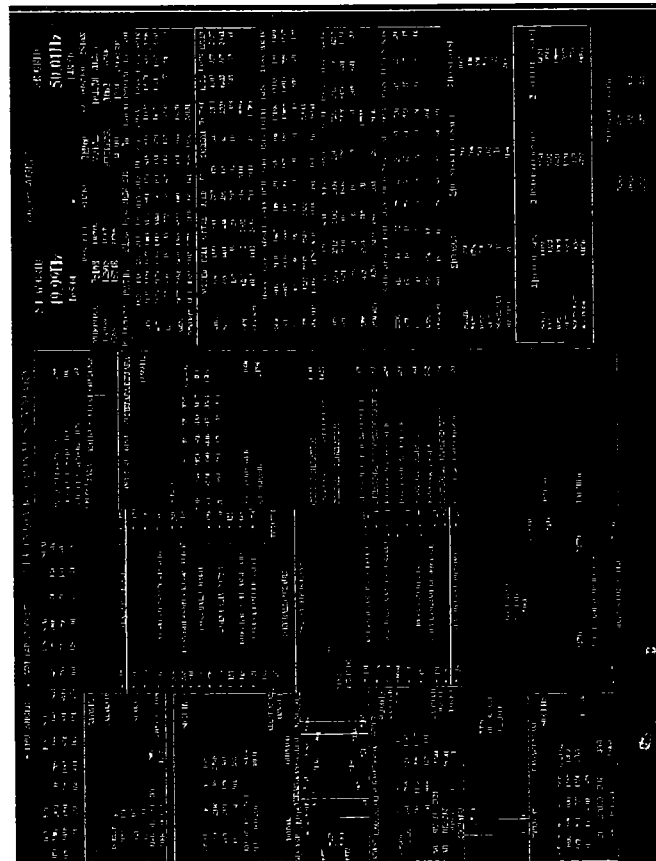
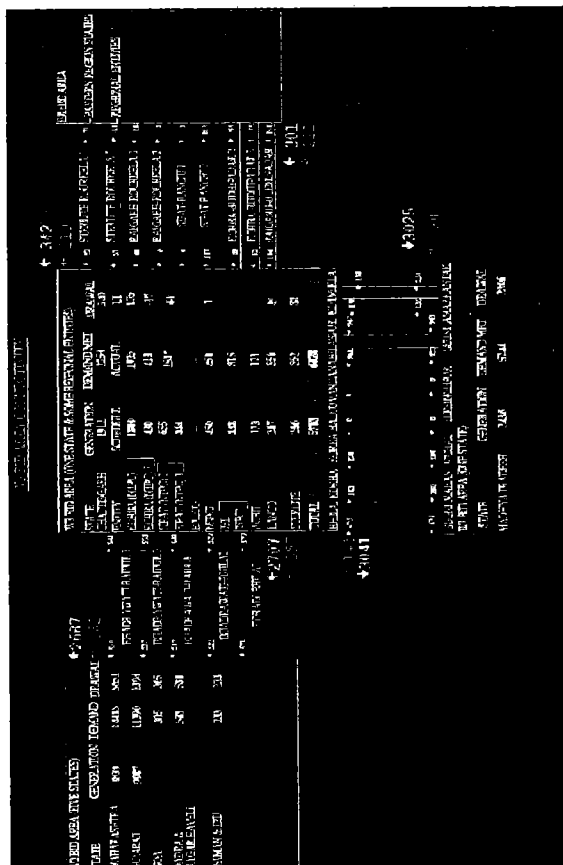
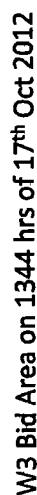
Export Transfer Capability of W3 Zone

Corridor	Date	TTC	RM	ATC	LTA/MTOA	Margin for STOA	Comments
W3 zone export TTC#	1st October 2012 to 31st October 2012	7000	200	6800	6100	700	6100 MW corresponds to maximum effective LTA from W3. Export Margin from W3 would vary as per the maintenance schedule of generators in the zone.

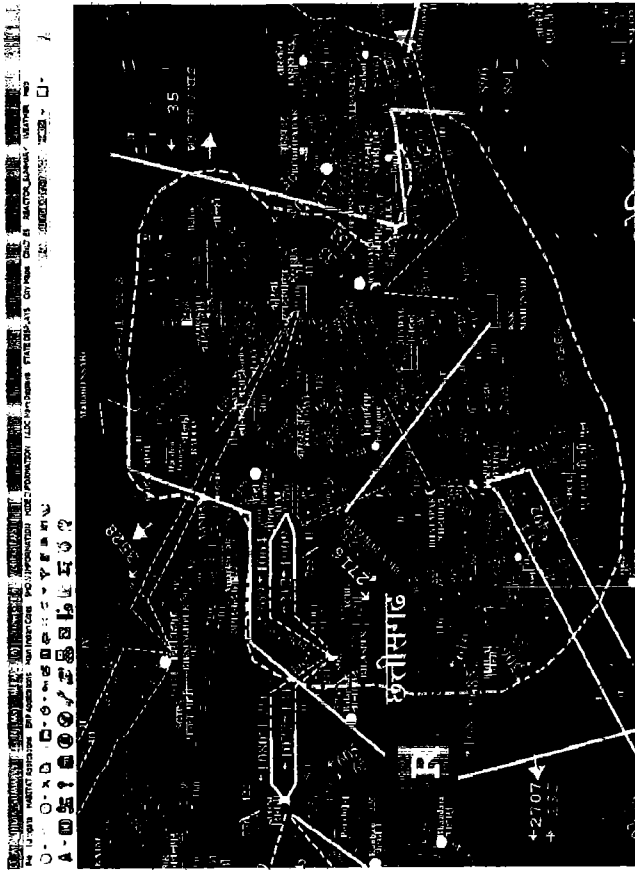
All figures in MW

Limiting Constraint:

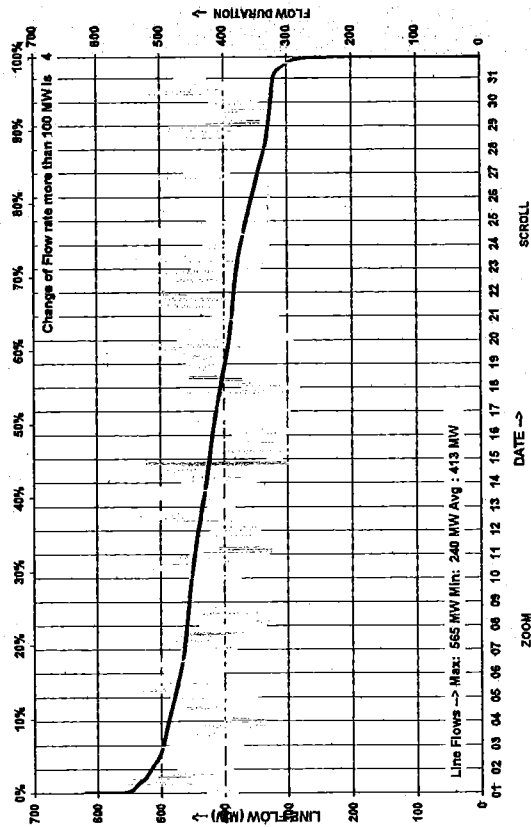
High loading of 400 kV Raipur-Bhadrawati T/C, Bhilai-Bhadrawati S/C, Bhilai-Koradi and Bhilai-Seoni



4/7



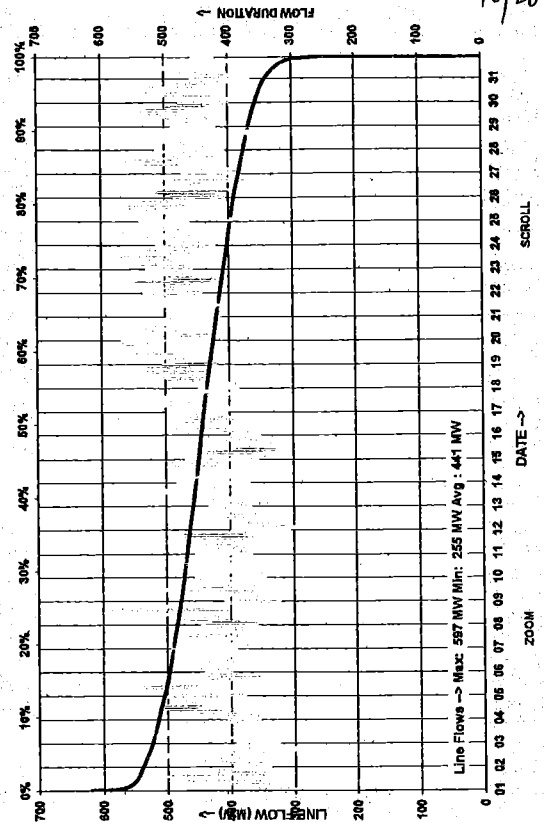
FLOW OF RAIPUR-BHADRAHATI_1 LINE FOR SEPTEMBER-2012



Commissioning of New Generating Units in W3

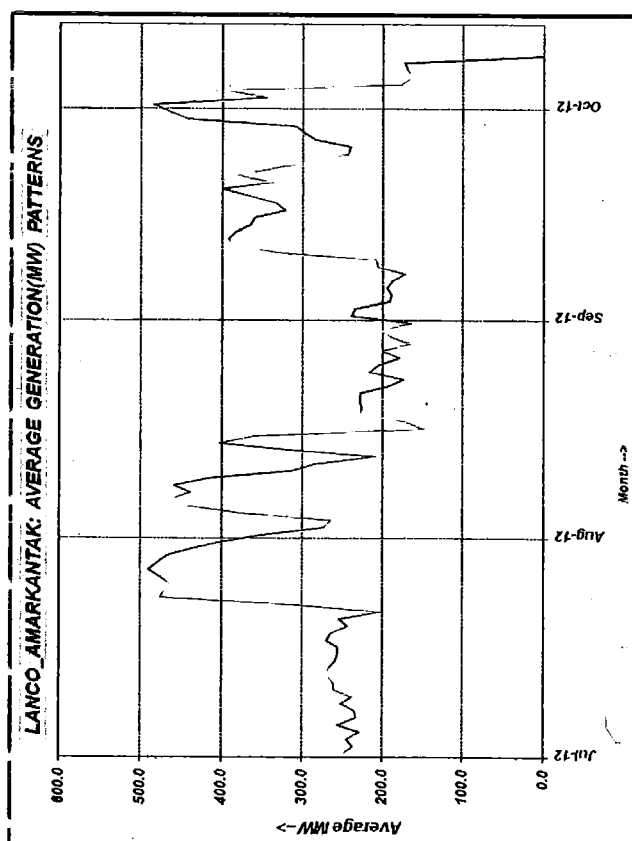
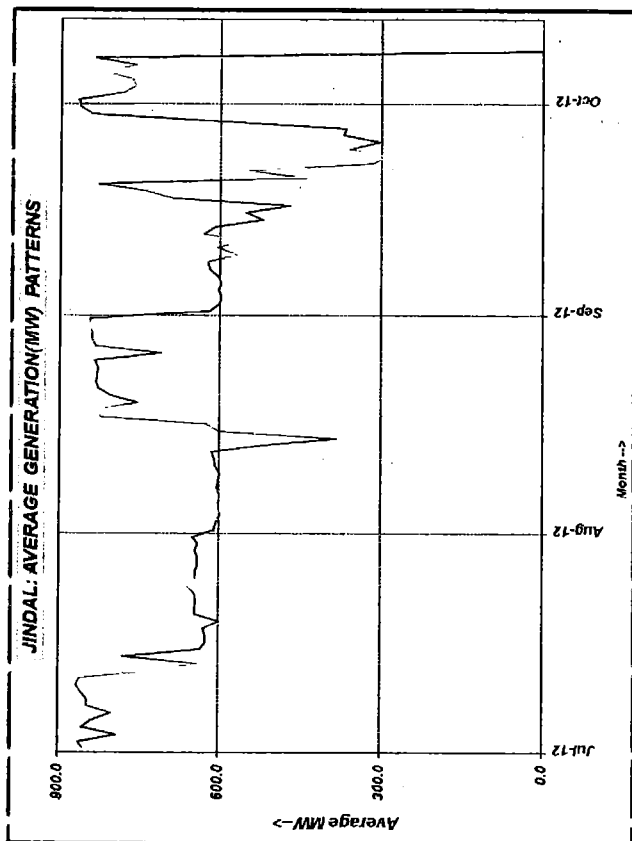
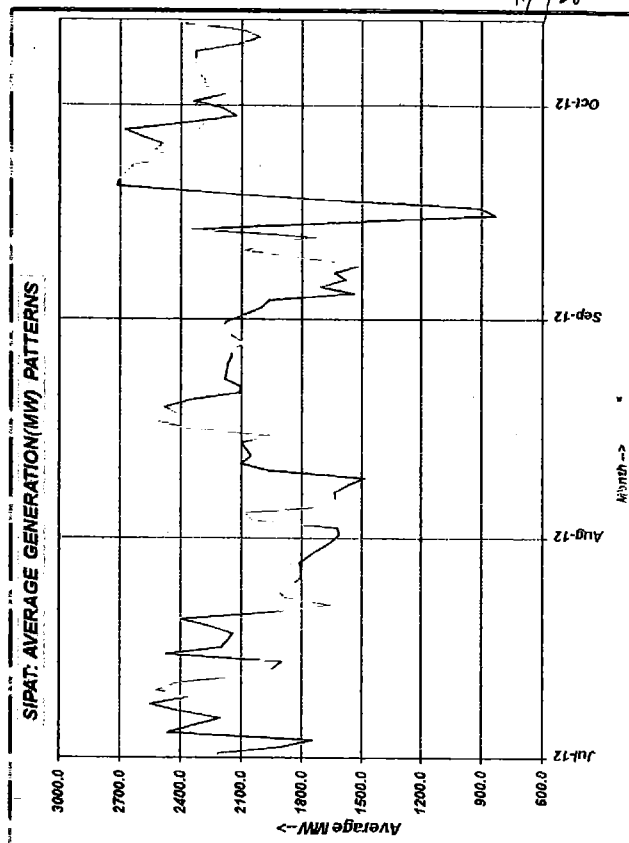
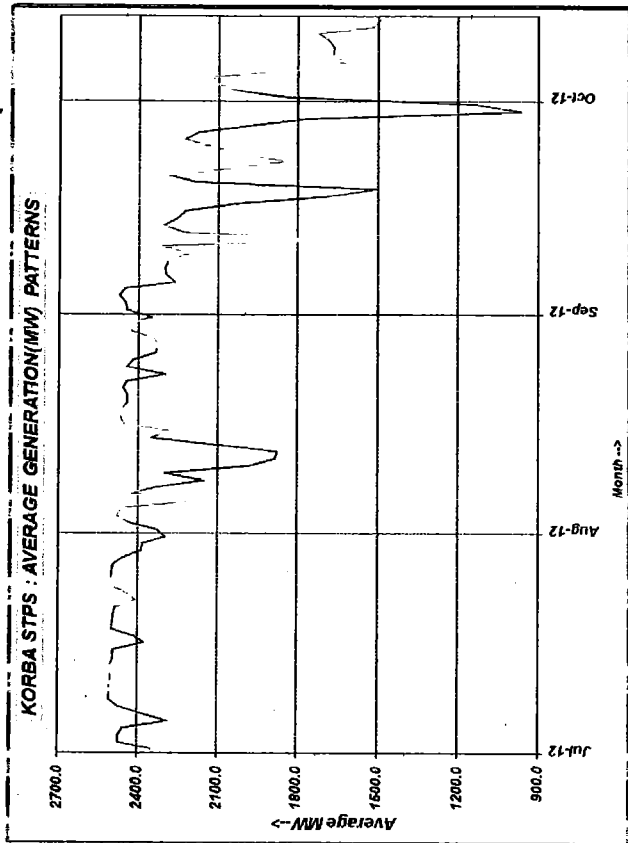
- KORBA-III: 500 MW in March 2011
- SIPAT UNIT-1: 660 MW in October 2011
- SIPAT UNIT-2: 660 MW in May 2012
- SIPAT UNIT-3: 660 MW in August 2012

FLOW OF RAIPUR-BHADRAHATI_1 LINE FOR AUGUST-2012



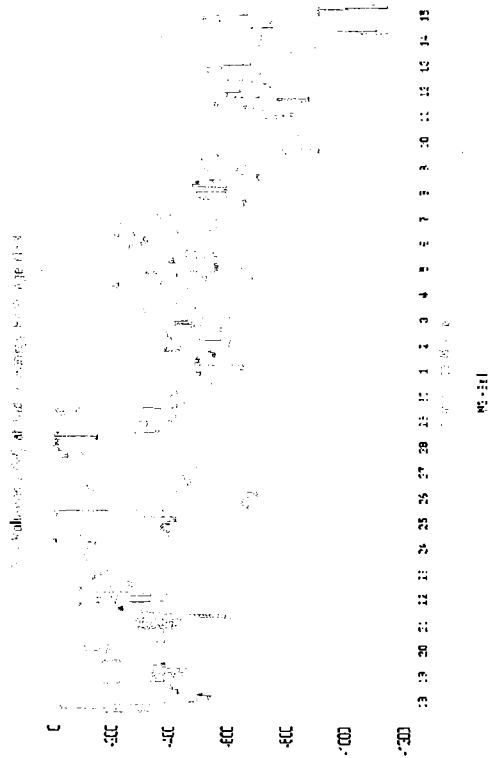
16/28

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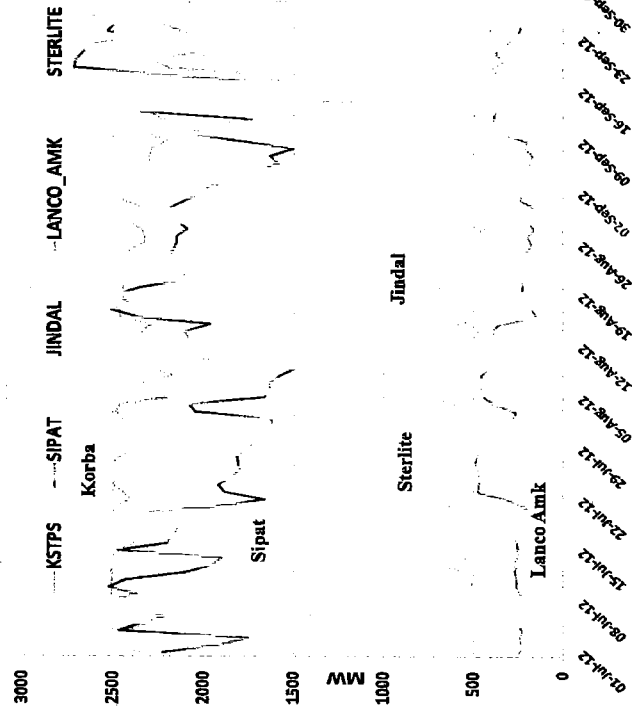
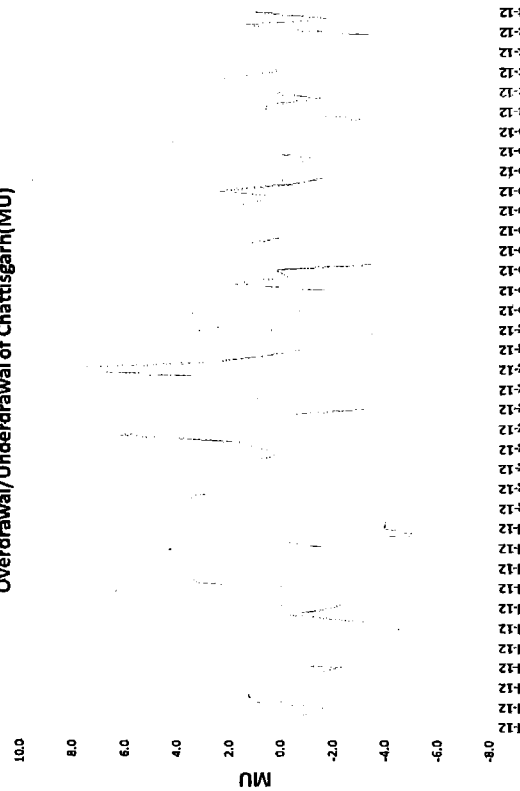


17/28

Volumes in W3 Bid Area (IEX)



Overdrawal/Underdrawal of Chattisgarh(MU)



7/7

Prices in W3 Bid Area

Prices in W3 Bid Area



19/28

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A wholly owned subsidiary of POWERGRID)



पश्चिम क्षेत्रीय भार प्रेषण केन्द्र

एफ-३, सेन्ट्रल रोड, एम्.आई.डी.सी. एरिया, मरोल, अन्धेरी (पूर्व), मुंबई-400 093.

दूरभाष (O) : 022-28202690, 28203885, 28397634 • ई-मेल : wrldc@bol.net.in • फैक्स : 022 28235434, 28202630

WESTERN REGIONAL LOAD DESPATCH CENTRE

F-3, MIDC Area, Marol, Andheri (East), Mumbai - 400 093.

Phone (O) : 022-28202690, 28203885, 28397634 • E-mail : wrldc@bol.net.in • Fax : 022 - 28235434, 28202630

संदर्भ संख्या / Ref. No.

No.AGM/WRLDC/12/617

Date: 04-10-2012

To
Member Secretary,
WRPC,
Mumbai-400093.

Sub: Agenda point for next OCC.

Dear Sir,

In line with the minutes of the meeting taken by Member (GO&D) on 28th August 2012, a draft MOU has been prepared so as to ensure that there is no commercial issue raised by any utility including CPP's in WR in case of Black start Recovery after a grid disturbance.

This draft was first introduced during the recent workshop on Black start and there has been positive response on the draft.

Now it is requested that the same may please be included in the forthcoming CCM/OCM Agenda point. We sincerely request you to support this so that finally WRPC approval is taken and the MOU duly signed by management of all utilities/CPP's in Western Region is in place in all the Control Rooms of WR to sort out the issue raised in the clause 2.4 of the minutes of the meeting. Such arrangement is felt absolutely necessary till any final regulation from the Honourable CERC is in place.

Thanking you,

Yours faithfully,

(V K Shrivastava)
Addl. General Manager

Enc: a/a

243
21/28

DRAFT

"MOU FOR EXTENDING POWER DURING GRID DISTURBANCE"

This Memorandum of Understanding made at Mumbai on the _____ day of _____ Two Thousand Twelve between Western Region Load dispatch centre, POSOCO, situated at F-3, MIDC, MAROL, Andheri (East), Mumbai-400093 referred to as "WRLDC" (which expression shall unless repugnant to the context or meaning thereof be deemed to mean General Manager or his authorized representative) of the ONE PART

AND

All utilities, Captive power plants having connection to the western Grid and/or signed or deemed to have signed the Connectivity Agreement with CTU/STU referred to as "Utilities" (which expression shall unless repugnant to the context or meaning thereof be deemed to mean Authorised signatories of respective management) of the Second PART.

According to Sections 28 and 29 of Electricity Act 2003, WRLDC is the Apex Body to ensure Integrated operation of the Power System in the Western Region. Similarly in accordance with Section 32 of Electricity Act 2003, the state load Despatch centre (SLDC) shall be the Apex body to ensure integrated operation of the Power system in a state.

Further as per clause 2.3.1(5) of IEGC, every licensee, generating company, generating station, Substation and any other person connected with the operation of the Power System shall comply with the direction issued by the Regional Load Despatch Centres. Similarly as per clause 2.7.2 of IEGC, every licensee, Generating Company, generating station, Substation and any other person connected with the operation of the Power System shall comply with the directions issued by then state load Despatch centres.

The Role of WRLDC for the restoration of the Western Regional Grid under Partial/total Blackout has been mentioned in the Clause 5.8 of IEGC. An exhausted document named "RECOVERY PROCEDURE FOR WESTERN REGION" has been prepared in consultation with Regional Constituents and has been made available to all the stake holders. This Document is a technical document and detailed procedure has been brought out in this document.

However during the recent Grid Disturbances on 30th and 31st July in Northern, Eastern and North Eastern Grid, it was experienced that in some cases there was delay in extension of start up Power and one of the main reasons as brought out in the Minutes of meeting taken by Member (GO & D), CEA on 28th August was commercial reason as some of the generating stations were apprehensive about the Payment towards the Power extended by them during such Blackstart situations,

Grid disturbance is a National Crisis and it should be endeavor for all connected in the Western Grid including captive power Plants to extend the Power and to comply with the instructions of WRLDC or SLDC as the case may be without attaching any Commercial tag .Till any rates or procedures are finalised by Hon'ble CERC ,it is felt necessary that there is a proper MOU duly signed between all the utilities of the Western regional Grid and WRLDC so that the Control room officials of any stations are authorized to take instructions from SLDC/WRLDC without attaching any Commercial tag.

NOW IT IS HEARBY AGREED BY AND BETWEEN BOTH THE PARTIES HERETO AS FOLLOWS:

1. The Generating stations including Captive power plants will extend their full support under the direction of WRLDC/SLDC without attaching any commercial issues at the time of any Restoration.
2. Head of the WRLDC will initiate mechanism within a fortnight for proper Commercial Settlement for any such Support by any utility to any other utility as the case may be and ensure on Best effort Basis that settlement including Disbursement is completed within 3 months from the date of such Grid Disturnances.

SIGNED & DELIVERED BY WITH IN NAMED "THE SELLER"

1. SHRI _____
FOR and ON BEHALF OF "WRLDC"

In the presence of

Names

Signature

1. Mr.
2. Mr.

SIGNED & DELIVERED BY WITHIN NAMED "The Utilities"

.1.Shri
For and On behalf
Signature

- 1Mr.
- 2Mr.



भारत सरकार
GOVERNMENT OF INDIA
विद्युत मंत्रालय
MINISTRY OF POWER
केन्द्रीय विद्युत प्राधिकरण
CENTRAL ELECTRICITY AUTHORITY
कार्यालय सचिव
OFFICE OF SECRETARY
सेवा भवन, रामाकृष्ण पुरम
SEWA BHAWAN, R.K.PURAM
नई दिल्ली-110066
NEW DELHI-110066



(आई.एस.ओ. 9001:2008)

No. 7/AI/GD/GM-12/ 418

dated: 04.10.2012

To,
The Secretary,
Central Electricity Regulatory Commission,
3rd Floor, Chander Lok Building,
36, Janpath ,
New Delhi-110 001

Subject: Regulatory mechanism for supply of start-up power

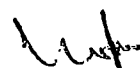
Sir,

It was observed that there was some delay in extension of start-up power during the Grid disturbances on 30th and 31st July, 2012, which delayed the restoration process. In a meeting taken by Member (GO&D), on 28.08.2012 in which officers of CEA, NRPC, POSOCO and NTPC were present, it was transpired that one of the reasons for delay in restoration was the hesitation of some power stations in extending start-up power, due to commercial reasons, as they were apprehensive about payment towards the power extended by them. In the meeting it was decided that matter may be referred to CERC. It is learnt that presently, there is no commercial mechanism in this regard, in our country. Fixation of charges by CERC for the start-up power

extended by a power station to any other power station/utility would eliminate the commercial constraint in quick extension of start-up power.

Therefore, a suitable regulatory mechanism for payment to generating station for extending power to any other generating station/utility may be devised by CERC in order to facilitate early restoration of the system from any grid disturbance. A provision may also be made in IEGC to the effect that no power station should refuse extension of start-up power during emergencies for any reason except due to valid technical constraint.

Yours faithfully,



(M.S.Puri)

Secretary, CEA

o/c

Black start

3/6 25/28

for availing start up power



भारत सरकार
विद्युत मंत्रालय
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
ग्रिड प्रबन्धन प्रभाग



Grid Management Division
(टेलीफोन / Telefax : 011-2610 9750)
(ईमेल / E-mail : cegmcea@yahoo.com)
सेवा भवन, आर.के. पुरम-1, नई दिल्ली - 110 016
वेबसाइट/Website : www.cea.nic.in

No. 7/AI/GD/GM-12/

Dated : 05-SEP-2012

Subject : Summary record of discussions at the meeting held on 28th August 2012 at CEA to examine delay in extension of start-up power during the grid disturbances on 30th & 31st July 2012.

A meeting was taken by Member (GO&D), CEA with POSOCO, NTPC and NRPC on 28th August 2012 in his chamber to examine the delay in extension of start-up power to thermal power stations after the grid failure on 30th & 31st July 2012 and suggest suitable actions to accelerate the same. A copy of the summary record of discussions at the meeting is forwarded herewith for information and necessary action.

Encl. : As above.

(Dinesh Chandra)
Chief Engineer I/c (GM)

To,

1. Director (Operation), NTPC, New Delhi.
2. Member Secretary, NRPC, New Delhi.
3. C.E.O., POSOCO, New Delhi.

Copy to :

1. Secretary, CERC, New Delhi.
2. Member Secretary, ERPC / NRPC / NERPC / SRPC / WRPC.

Copy for kind information to :

1. Chairperson, CEA.
2. Member (GO&D), CEA.
3. Member (Thermal), CEA.

**SUMMARY RECORD OF THE DISCUSSIONS AT THE MEETING TO EXAMINE
DELAY IN EXTENSION OF START-UP POWER DURING THE GRID
DISTURBANCES ON 30th & 31st JULY 2012**

A meeting was taken by Member (GO&D), CEA with POSOCO, NTPC and NRPC on 28th August 2012 in his chamber to examine the delay in extension of start-up power to thermal power stations after the grid failure on 30th & 31st July 2012. The list of participants is enclosed.

Welcoming the participants, Shri K.K. Agrawal, Member (GO&D) stated that the committee set up by MoP to investigate the recent grid disturbances on 30th and 31st July, 2012 had observed that there was a delay and large variation in time taken for extending start-up power to various generating units in Northern Region. The Committee had recommended that a standard procedure for preparatory activities and sequence of start-up be put in place by the stations to restore units as early as possible particularly in contingencies. The meeting had been convened to examine the said delay and ensure extension of supply to thermal generating units in a minimum time frame in case of complete blackout. He sought the reasons for delay in extension of start-up power from the participants. He also enquired as to whether certain transmission lines were earmarked just to extend start-up power in case of disturbances. Citing letters from a few central generating stations in the Northern Region, he asked whether specific instructions / codes were required to be issued by the RLDC to the generating stations to start their power stations. He wanted the participants to discuss and suggest ways & means to improve and streamline the restoration procedure after a grid disturbance.

- 1.0 During the deliberations on the issues raised by Member (GO&D), CEA, the following points were noted :
 - 1.1 POSOCO clarified that no specific lines were earmarked solely for extension of start-up power. Regarding instructions from RLDCs for starting a power station having self-start facility, it was informed that restoration procedures did not require communication of any code / instruction to be issued by RLDC to a power station to start its unit after blackout. However, no transmission line was supposed to be charged by any power station / substation without receipt of code from concerned RLDC / SLDC.
 - 1.2 Other participants also affirmed the above procedure. NTPC clarified that all the running units at their VSTPS had tripped during extension of start-up power to Singrauli STPS through Vindhyachal HVDC bypass. It was because of this incident that the power station had sought specific instructions to start its units and extend start-up power to NR. Barring this instance, none of their self-start power stations waited for any instructions to start their units after grid failure.
 - 1.3 Some power stations were hesitant to extend start-up power due to commercial reasons as they were apprehensive about payment towards the power extended by them. The participants opined that no power station should refuse extension of start-up power during emergencies for any reason except any technical constraint.
 - 1.4 There was no communication arrangement in place to send an immediate message regarding occurrence of a grid disturbance to all the power utilities in the country.
 - 1.5 Though mock exercises were being done regularly by the power stations to ensure quick start-up after complete power failure at the power station, the concerned power stations were unable to achieve the same efficiency during actual supply failure on 30th / 31st July 2012. It was agreed that the mock exercise should relate to worst condition i.e. not only regional grid failure but also the neighbouring regions' failure.
 - 1.6 Some power stations like those of BBMB started their power stations after grid failure and wanted to extend supply to other power stations / substations, but they failed to do so for want of adequate load. One of the causes for non-availability of load was attributed to poor coordination and/or communication facilities between the SLDC and the substations under its control.

- 1.7 Shri Manjit Singh, Member (Thermal), CEA opined that besides administrative & commercial reasons for delay in extension of start-up power, technical constraints like overvoltage following charging of long transmission lines are experienced by small hydro power stations, which can self-start quickly & easily. Improper load build-up also comes in the way of extension / progress in extension of power by one power station / substation to another. He suggested that load build-up process should be pre-decided and it should be made available by the utilities accordingly without waiting for any code / instruction on receipt of power from a neighbouring substation / power station after blackout.
- 2.0 After detailed discussions, it was agreed that the following actions would help in accelerating the process of restoration of the grid :
- 2.1 All generating stations with self-start facility should be advised clearly to start their unit(s) on house load without waiting for any code / instruction from any agency / authority. However, such generating stations should charge a transmission line, only after receiving a go-ahead signal from the concerned Area LDC / SLDC / RLDC / neighbouring substation / generating station for extending the supply further.
- 2.2 Various groups need to be formed & trained in each power station / substation to carry out specific tasks so that they may carry out those tasks efficiently during an emergency like a grid-failure.
- 2.3 Communication systems needed to be improved between RLDC and SLDCs, SLDCs and Area LDCs, and Area LDCs and substations in the area. This would improve coordination among them and help in connecting proper load during restoration process of the grid.
- 2.4 Fixation of charges by CERC for the start-up power extended by a power station to any other power station / utility would eliminate the commercial constraint in quick extension of start-up power. No power station should refuse extension of start-up power during emergencies for any reason except due to a valid technical constraint. The matter may be referred to CERC.
- 2.5 POSOCO should evolve a procedure to send communication regarding any grid disturbance to all the power utilities of the country immediately. This might involve the use of SMS on mobiles of heads of different agencies along with posting of preliminary report about the incident on the website of POSOCO for those who want to know the details. This report should be updated periodically, say on hourly basis, after the disturbance. This would help healthy parts of the grid take preventive action and avoid spread of disturbance to those areas. This is also likely to facilitate quick restoration of the grid by getting quick start-up supply from healthy areas.
- 2.6 Mock exercise should be carried out regularly by the power stations / substations, particularly those which generally play a prominent role in restoration of the grid. To ensure that the mock exercise was actually carried out by the power station in a realistic manner, the power station concerned should be required to submit a certificate to this effect from an independent 3rd party.
- 2.7 POSOCO would send the list of all those central / state transmission lines, which are used for extending the start-up power from a power station / substation to another, to CEA to monitor their healthiness. This list with CEA would be kept updated by POSOCO after each review of the restoration procedure.

It was also decided that all the above issues be discussed at each RPC forum too for the purpose of monitoring & implementation and feedback forwarded to CEA.

The meeting ended with a vote of thanks to the chair.

6/6 28/28

List of participants at the meeting held on 28th August 2012 at CEA to examine delay in extension of start-up power during the grid disturbances on 30th & 31st July 2012

CEA

1. Shri K.K. Agrawal, Member (GO&D) - In chair.
2. Shri Manjit Singh, Member (Thermal)
3. Shri S.K. Thakur, Chief Engineer I/c (TE&TD)
4. Shri Dinesh Chandra, Chief Engineer I/c (GM)
5. Shri Sanjay Sharma, Director (TE&TD)

NRPC

1. Shri P.K. Pahwa, Member Secretary
2. Shri Ajay Talegaonkar, SE (Operation)

POSOCO

1. Shri D.K. Jain, DGM, NRLDC
2. Shri R.K. Porwal, Chief Manager, NRLDC

NTPC

1. Shri P.P. Francis, AGM (OS)

प. व. वि. स. मुंबई / WRPC

आवक संख्या / Received No. 14322

दिनांक / Date: 24/7/12

FAX

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति बेंगलूर- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee Bangalore- 560 009
Email: mssrpc@yahoo.com	Phone: 080-22287205	Fax: 080-22259343
सं/No.	SRPC/SE/2012/1000-1010	दिनांक / Date 19.07.2012

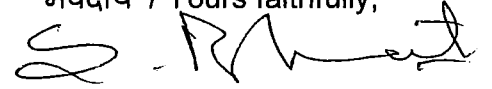
1. Chief Engineer (Comml.), APPCC, Hyderabad.
2. Deputy Director (Proj.), PCKL, Kaveri Bhavan, Bangalore.
3. Ms. N. Hemavathy, Controller of Accounts, KPTCL, Bangalore.
4. Shri R.V. Dilip Kumar, Executive Engineer, SLDC, KPTCL, Bangalore.
5. Executive Engineer (LD), SLDC, KSEB, Kalamassery.
6. Ms. Lekha G., Finance Officer, KSEB, Thiruvananthapuram.
7. Superintending Engineer (LD & GO), TANTRANSCO, Chennai.
8. Executive Engineer (Grid), TANTRANSCO, Chennai.
9. Executive Engineer / S.C.C. Electricity Department, Puducherry.

Sir/Madam,

This has reference to the discussions in the Meeting held at SRPC, Bangalore on 16th July 2012 regarding outstanding payment position between Constituents of WR & SR. Please find enclosed a copy of the WREB letter dated 12th February 2002 on apportionment of Import from SR to WR Constituents. The revised apportionment details for the month of November 2001 in respect of SR export to WR is at ANNEXURE. As such the details furnished in respect of November 2001 in the Annexure-I of May 2002 SR REA stands superseded.

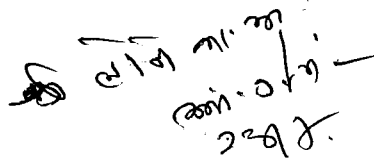
भवदीय / Yours faithfully,

Encl: as above



(एस.आर. भट्ट/S.R. BHAT)

प्रभारी सदस्य सचिव / Member Secretary I/c



Copy for kind information to:

1. Chairperson, TCC & Managing Director, TANTRANSCO, Chennai.
2. Member Secretary, WRPC, Mumbai.

74

Kind Attn : Shri S.R. Bhat



भारत सरकार
Government of India
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पश्चिम क्षेत्रीय विद्युत बोर्ड
Western Regional Electricity Board
एफ-2, एच.आय.डी.सी. क्षेत्र, बोम, अंधेरी(पूर्व), मुंबई-400 092
F2, MIDC Area, Andheri (East) MUMBAI-400092

Tel : 8221636 8209506
8353222 8320756
Fax : 022-8370193

No. 200(Comm)/WR-SR/2002/WREB-

249

Date : 12 FEB 2002

Chief Engineer (Comm),
Maharashtra State Electricity Board,
Prakashgad, Bandra(E),
Mumbai -400051.

General Manager (Comm),
Gujarat Electricity Board,
Sardar Patel Vidyut Bhavan, Race
Course, Vadodara-390 007.

Chief Engineer (Comm),
Madhya Pradesh State Electricity Board,
Shakti Bhawan, Vidyut Nagar,
Jabalpur-482008

Sub: - Apportionment of Import from SR to WR constituents

Sir,

Please find enclosed at Annex-1, the statement of constituent wise apportionment of energy import from SR to WR constituents for the months of Oct.'01 to Dec'01 on the basis of SREB REAs, for your information & further needful.

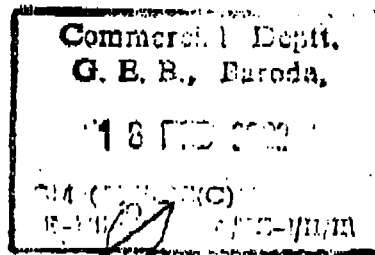
Yours faithfully,

Encl: - As above

(MANJIT SINGH)
Superintending Engineer (Comm)

Copy to :

1. Member Secretary, Southern Regional Electricity Board, 29, Race Course Cross road,
Bangalore-560 009.



Y2

3/4

ENERGY EXPORTED FROM SR TO WR AS PER SREB REA

ANNEX -1

All figures in Units

SL.NO.	Particulars	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	TOTAL
1	Oct-01	1365706	1423615	823276	2149393	281442	6043334
2	Nov-01	7450460	6559514	3350390	7553967	1057936	25981667
3	Dec-01	3285135	2510748	1400095	3185757	401598	10783333

APPORTIONMENT OF SR EXPORT TO WR CONSTITUENTS AS PER WREB REA

All figures in Units

Oct-01	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	TOTAL
CSEB	0.00	0.00	0.00	0.00	0.00	0.00
MSEB	0.00	0.00	0.00	0.00	0.00	0.00
GOA	0.00	0.00	0.00	0.00	0.00	0.00
MPSEB	301484	314245	181740	474484	62129	1334082
GEB	1064224	1109270	641536	1674909	219313	4709252
Total	1365706	1423615	823276	2149393	281442	6043334

All figures in Units

Nov-01	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	TOTAL
CSEB	0	0	0	0	0	0
MSEB	1863861	1640993	838167	1889625	267165	6499831
GOA	0	0	0	0	0	0
MPSEB	3263903	2873069	1467472	3308377	467156	11379977
GEB	2323276	2045452	1044757	2355369	333015	8101859
Total	7450460	6559514	3350390	7553967	1057936	25981667

All figures in Units

Dec-01	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	TOTAL
CSEB	0	0	0	0	0	0
MSEB	45697	34826	19476	44315	5586	150000
GOA	0	0	0	0	0	0
MPSEB	3075668	2350673	1310831	2982647	375994	10085833
GEB	163750	125149	69786	158795	20018	537500
Total	3285135	2510748	1400095	3185757	401598	10783333

2/2

ANNEXURE

(Energy Figures in KWHr)

APPORTIONMENT OF SR EXPORT TO WR AMONGST BENEFICIARIES OF WR

MONTH: NOVEMBER 2001

AS Per ANNEXURE-I to May 2002 SR REA

	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	TOTAL
GEB	2,497,773	2,199,082	1,123,221	2,532,272	358,026	8,710,374
MPSEB	3,468,754	3,053,951	1,559,861	3,516,665	497,205	12,096,436
MSEB	1,483,933	1,306,480	667,308	1,504,429	212,704	5,174,854
CSEB	0	0	0	0	0	0
GOA	0	0	0	0	0	0
TOTAL	7,450,460	6,559,513	3,350,390	7,553,366	1,067,935	25,981,664

REVISED APPORTIONMENT OF SR EXPORT TO WR AMONGST BENEFICIARIES OF WR

MONTH: NOVEMBER 2001

As per WR Revised REA

	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	TOTAL
GEB	2,323,276	2,045,452	1,044,751	2,355,365	333,015	8,101,859
MPSEB	3,263,303	2,873,069	1,467,472	3,308,377	467,756	11,379,977
MSEB	1,863,881	1,640,993	838,167	1,889,625	267,165	6,499,831
CSEB	0	0	0	0	0	0
GOA	0	0	0	0	0	0
TOTAL	7,450,460	6,559,514	3,350,390	7,553,367	1,067,936	25,981,667

DIFFERENCE IN TERMS OF ENERGY

	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	TOTAL
GEB	-174,497	-153,630	-78,470	-176,907	-25,011	-608,515
MPSEB	-205,451	-180,882	-92,389	-208,288	-29,449	-716,459
MSEB	379,948	334,513	170,859	385,196	54,461	1,324,977
CSEB	0	0	0	0	0	0
GOA	0	0	0	0	0	0

DIFFERENCE IN TERMS OF RUPEES

Rs./KWHr 1.8072

	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	TOTAL
GEB	-315,351	-277,640	-141,811	-319,706	-45,200	-1,099,708
MPSEB	-371,291	-326,890	-166,965	-376,418	-53,220	-1,294,785
MSEB	686,642	604,532	308,776	696,126	98,422	2,394,498
CSEB	0	0	0	0	0	0
GOA	0	0	0	0	0	0

1/2

No. A. D. No. 1245/WRP
 District Judge / Muziris No. 4671
 Serial / Date: 7/9/12

FAX

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति बेंगलूर- 560 009		 सत्यमेव जयते		Government of India Central Electricity Authority Southern Regional Power Committee Bangalore- 560 009	
Web site: http://srpc.kar.nic.in		Phone: 080-22287205		Fax: 080-22259343	
सं/No.	SRPC/SE/2012	४५३३-३५	दिनांक / Date	04.09.2012	

✓ Member Secretary
WRPC
Mumbai.

Sub: Outstanding payment position in respect of energy transaction between WR & SR for the period prior to January 2003

Sir,

As you are kindly aware, in the meeting held at SRPC, Bangalore on 16th July 2012 regarding outstanding payment position in respect of energy transaction between WR & SR for the period prior to January 2003, the following was agreed:

- The States (WR/SR) would make necessary arrangements to release the payment as per the above decisions within a period of 15 days.
- WRPC to take up the matter regarding outstanding amount of Maharashtra with MSSEDCL higher management. This was in view of the fact that considerable time had passed and there was huge outstanding from Maharashtra payable to Tamil Nadu.

In this context, it is to inform that based on revised REA for November 2001, the revised apportionment details have already been conveyed vide SRPC letter dated 19th July 2012.

Subsequently, copies of communication received from KSEB in respect of outstanding dues to KSEB from MSEB & MPSEB had been forwarded vide SRPC letter dated 27th July 2012. While on the subject, a copy of letter dated 28th August 2012 received from Puducherry is also enclosed for kind needful.

In this connection, it is requested that the matter may kindly be taken up with MS&EDCL at an early date.

भवदीय / Yours faithfully,

Encl: as above

S. Mat

(एस.आर. भट्ट/S.R. BHAT)

प्रभारी सदस्य सचिव / Member Secretary I/c

Copy for kind information to: Chairperson TCC & MD, TANTRANSCO, Chennai.

2/2

No.1566 /ED/SE-I/Tech-I/F:14/2012-13
GOVERNMENT OF PONDICHERRY
ELECTRICITY DEPARTMENT

-oOo-

28

Puducherry. Dated ..8/2012.

To
The Chief Engineer (Comml),
Maharashtra State Electricity Board,
Prakashgad Bandra(E),
Mumbai- 400 051.

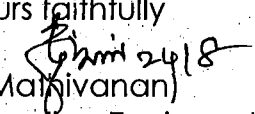
Sir,

Sub : Electricity Department, Puducherry – Revised
apportionment of Import from SR to WR - Details of
amount receivable by Electricity Department-
Requested - Reg.

With reference to the above subject, it is informed that there is
bilateral transaction done during October 2001 to December 2002
between WR-SR constituents. In this context the Member Secretary, SRPC
had pressed WRPC to verify the REA and settle the issue at the earliest. But
still this time there is no details received from MSEB regarding the energy
transaction between SR-WR.

Therefore, it is requested to arrange to inform the amount due
payable by MSEB to Puducherry for the above export made to MSEB in
respect of WR-SR bilateral transaction done during October 2001 to
December 2002 .

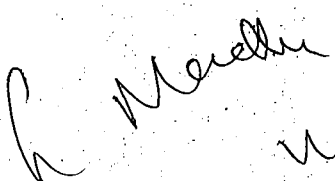
Yours faithfully


(K.Mahivanan)

Superintending Engineer-I

Copy to

1. The Member Secretary,
Southern Regional Power Committee,
Bangalore-560 009 Fax.No.080-22259343
2. The Member Secretary, Western Regional Power Committee,
F-3, MIDC Area ,Marol, Andheri (E), Mumbai-400 009.022-28370193
3. Superintending Engineer-III, EDP



OFFICE OF THE CHIEF ELECTRICAL ENGINEER
ELECTRICITY DEPARTMENT
GOVERNMENT OF GOA
VIDYUT BHAVAN, 3RD FLOOR
PANAJI – GOA

प. व. वि. म. पु. व. म. / व. व. म.

आयक संख्या / Inward No. 4706

दिनांक / Date: 11/9/12

Contact No. 0832 – 2224680 (D)/2227009 (D)

No.102/01/ CEE/Tech/ 566

Dated:-01 -09-2012

To,
The Chief Engineer (Power Purchase),
Maharashtra State Electricity Distribution Co. Ltd.,
'Prakashgad' 5th floor, Prof. Anant Kanekar Marg.
Bandra (E), Mumbai-400 051

SE (c)

Sub:-Payment to MSEB towards the energy exported by WR to KPTCL (SR).
Ref: 1.PCKL/A12/142/1996-97/ ...63-67 dated.05/05/2011.

Sir,

Kind attention is invited to above referred letter from Additional Director (Projects) Power company of Karnataka Ltd. . The other attention is also invited to ref. No. WRPC/Comml-I/CCM/SR-WR/2012-4207 DATED 23/04/2012 vide which Record Notes of the 1st meeting held on 10.04.2012 was circulated by WRPC which was attended by the representative of MSEDCL. Vide letter from WRPC of even No. Dated 03.07.2012 the second meeting on the subject was called at SRPC Bangalore on 16.07.2012, wherein the participation of MSEDCL could not continue.

During the above referred second meeting it was decided that MSEDCL,PCKL(KPTCL) and this department may have a meeting to resolve over the issue Ltd. To Rs. 16.86 lacs refundable by MSEDCL (erst while MSBB) to PCKL (KPTCL) and which is recovered by this department for export/import of power with KPTCL(PCKL)/SR during the period May 2000 to Dec 2000 (Sept.01).

21/9/12
(121)

In view of above MSEDCL & PCKL may propose a suitable date either at Mumbai or Bangalore as convenient and inform this office. The contact Nos. for deciding for the meeting are as below.

Concern of Electricity Department Goa

Shri B. Nigalye, Ex. Engg. (IPM),

Phone No. 0832-2227009, MBL: 0-9561099991

E-mail: @aeipm @ yahoo.com.

Concern of PCKL (KPTCL)

Ms SAVITHRAMMA Assistant Director.

Phone No. 0-9448090774/080-22218930 (FAX).

Attached please find herewith the copy of the letters dated 28.11.2005 by which it appears that MSEDCL at this juncture may not have the documents required for settlement of this pending issue. Considering this aspect the documents as available with this office are being sent for calling the meeting as proposed in this correspondence.

Awaiting early settlement.

Yours faithfully,



(Nirmal Braganza)
Chief Electrical Engineer

Copy to:-

1. Member Secretary ,
Western Regional Power Committee,
F-3, MIDC Area, Andheri (East Mumbai)-400 093.
2. Additional Director,
Power Company of Karnataka Ltd.,
KPTCL Bldg. Kaveri Bhavan, Bangalore-560 009.

FAX

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति बेंगलूर- 560 009		 सत्यमेव जयते		Government of India Central Electricity Authority Southern Regional Power Committee Bangalore- 560 009	
Web site: www.srpc.kar.nic.in		Phone: 080-22287205		Fax: 080-22259343	
सं/No.	SRPC/SE/2013/	333 - 335		दिनांक / Date	07.01.2013

✓ Member Secretary
WRPC
Mumbai.

प. क्षेत्रीय वि. स. मुंबई / WRPC
आयक संख्या / Inward No. 83
दिनांक / Date 10/11/2013

Sub: Outstanding payment between WR & SR – Meeting held at SRPC on 16th July 2012 – reg.

...

Sir,

Enclosed please find copy of letter received from Member (Finance), KSEB on the subject. It has been stated in this letter that the concerned SEBs may be moved to release the payments urgently as KSEB is in a period of financial stringency. In this connection, TANTRANSCO have also stated that the pending arrears between SR & WR constituents are pending for long period and the same has to be settled at the earliest. It is therefore requested that the concerned utilities in WR may kindly be advised to release the payments at the earliest.

भवदीय / Yours faithfully,

Encl: as above



(एस.आर. भट्ट/S.R. BHAT)
प्रभारी सदस्य सचिव / Member Secretary I/c

Copy for kind information to:

1. Chairperson, TCC & MD, TANTRANSCO, Chennai.
2. Member (Finance), KSEB, Thiruvananthapuram.

KERALA STATE ELECTRICITY BOARD

OFFICE OF THE MEMBER (FINANCE)

VAIDYUTHI BHAVANAM, PATTOM, THIRUVANANTHAPURAM - 695 004

No. Fin/POP/WR-SR Reconciliation/2012-13 / 13

Dated: 29/12/2012

To

The Member Secretary,
Central Electricity Authority,
Southern Region Power Committee,
29, Race Course Road,
Bangalore – 560 009.

Sir,

Sub: - Outstanding payment between WR and SR – Meeting held at SRPC on 16th July
– 2012 – regarding.

- Ref: - 1) That Office Letter No. SRPC/SE/2012 dt: 17/7/2012.
2) That Office Letter No. SRPC/SE/2012 dt: 19/7/2012.
3) Letter No. SOR/HTB 21/Export/MSEB/05-06 dt: 24/7/2012 to Member Secretary, SRPC.
4) Letter No. SOR/HTB 21/Export/MPSEB/05-06 dt: 24/7/2012 to Member Secretary, SRPC.
5) This Office Letter No. Fin/POP/WR-SR Reconciliation/2012-13 dt: 21/7/2012 to Vice President - Operation, PTC.

This has reference to the discussions in the meeting held at SRPC, Bangalore on 16th July 2012, regarding the outstanding payment position between the constituents of WR and SR for the period upto December 2002.

The immediate follow up action required on the part of KSEB, as per the discussion is on three aspects, namely

- (1) to revise the demand for November 2001 according to the revised SR-REA
- (2) to furnish the copies of communications with MPSEB and MSEB to SRPC, for taking up the matter through WRPC and
- (3) the amount remitted to PTC for August 2002 (while PTC was nodal agency) was not received by MPSEB, and hence to take up the matter with PTC, directly.

Accordingly, the following actions were taken.

- (1) The invoice for November 2001 in respect of GEB, MSEB and MPSEB were revised according to the revised SR REA and forwarded to the respective SEBs.
- (2) Copies of the above communications were furnished to that office vide letters dated 24/07/2012, read 3rd and 4th above.

- (3) Regarding MPSEB's share for August 2002 for ₹16,31,476/-, M/s. PTC was addressed vide letter read 5th above and a subsequent reminder dated 03/10/2012 was also sent, but no response has been received from PTC till date.

The net receivables to KSEB (principal amount) is ₹2,62,23,389/- (Rupees Two Crore sixty two lakhs twenty three thousand three hundred and eighty nine only). Since all payment to WR constituents were remitted by KSEB within due date itself, WR constituents are liable to pay interest for outstanding amount at the rate of interest stipulated by erstwhile SREB. Accordingly, the net receivable due to KSEB is worked out to be ₹7,44,48,075/-. The consolidated statement showing receivable including interest thereon is shown in Annexure. Now, since the matter is under active consideration of SRPC, it is requested that the concerned SEBs may be moved to release the payments urgently as, we are now in a period of financial stringency.

Yours faithfully,


MEMBER (FINANCE).
2
/

Net Receivable to KSEB from Western Region Constituents for the period upto December 2002 (after final revision) including interest					
Sl.No.	Particulars	Amount	Interest	Total	Remarks
1	Amount receivable by KSEB from Western Region (Period prior to October 2001)	787210		787210	Kept pending subject to the concurrence of Maharashtra
2	Amount receivable by KSEB from Gujarat (Period from October 2001 to December 2002)	1409406	2677485	4086891	Interest for Rs. 1409406/- @ 20% for 3467 days from 01/01/2003 to 30/06/2012
3	Amount receivable by KSEB from Maharashtra (Period from October 2001 to December 2002)	11174234	21785164	32959398	Interest for Rs. 10865458/- @ 20% for 3558 days from 03/10/2002 to 30/06/2012
4	Amount receivable by KSEB from Madhya Pradesh (Period from October 2001 to December 2002)	12147260	23762037	35909297	Interest for Rs. 12314225/- @ 20% for 3570 days from 20/09/2002 to 30/06/2012
5	Amount receivable by KSEB from Chattisgarh (Period from October 2001 to December 2002)	705279		705279	To be presented before the SRPC
	Net Receivable	26223389	48224686	74448075	
Net amount receivable from Western Region by KSEB for the period upto December 2002 = Rs. 26223389 + 48224686 = 74448075/-					



M.P. Power Management Co. Ltd.

(A Govt. of M.P. Undertaking)

Shakti Bhawan, Vidyut Nagar, Jabalpur 482008

Office: 0761-2664653 Tele Fax: 0761-2664653 email: cgmreg@gmail.com

No. CGM/Regulatory/ 314

Jabalpur Dated: 12.12.12

To,

- ✓ The Member Secretary,
Western Regional Power Committee,
F-3, MIDC Area, Marol,
Andheri (East),
Mumbai – 400 093.

Fax - 022 - 28370193

Sub: Settlement of reactive energy charges between MPPMC and CSPTCL

Western Regional Power Committee (WRPC) has been issuing details of reactive energy charges payable by Western Region beneficiaries to CTU and reactive energy charges payable between SEBs / SEDs on weekly basis in accordance with CERC (IEGC) Regulation, 2010. The reactive energy charges calculation have been done as per Clause 6.6 of revised IEGC effective from 3.5.2010.

While there is no outstanding payable by MPPMC to CTU, a significant amount of reactive charges payable by MPPMC to CSEB (CSPTCL) is appearing in the weekly statement issued by WRPC. On analysis of the statement, it has been observed that majority of the amounts appearing in that statement, payable to CSPTCL, is on account of 400 KV Bhilai – Seoni line. In this regard, it is to submit that the 400 KV Bhilai – Sarni Inter State line has long been LILO'ed at 765 KV Seoni Sub-station of PGCIL. According to Clause 6.6 of IEGC reactive energy charges payable for lines connected with ISTS are to be settled between the respective beneficiary and the ISTS, and not bi-laterally between the regional entities as appearing in the weekly statement issued by WRPC.

Based on the reactive charges statement issued by WRPC, CSPTCL has been continuously pressurizing MPPMC for making payment of amounts appearing therein, although, those amounts are not legitimate and disputed by MPPMC. CSPTCL has also filed a petition before CERC, petition No. 193/MP/2012, before CERC alleging MPPMC for violation of CERC Regulation by not making payment to them.

Reference is invited to MPPMC letter No. 156 dated 24th January 2012 and letter from Chief Engineer (Load Despatch), SLDC letter No. 2640 dated 5th November 2012 through which it has again been mentioned that reactive charges of 400 KV Bhilai – Seoni and Seoni – Satpura lines are required to be settled between ISTS and not between respective regional entities.

In view of above, it is requested that necessary amendments to the reactive energy charges accounts may be issued immediately so that the dispute between the regional entities which has been escalated up to CERC could be settled without any further delay.



Chief General Manager (Regulatory)
M.P. Power Management Co. Ltd.,
Jabalpur

Copy to:

The Chief Engineer (Commercial), Chhattisgarh Power Distribution Company Ltd,
Vidyut Seva Bhawan, Dagniya, Raipur – 492 013.

M.P. Power Management Co. Ltd.

(A Govt. of M.P. Undertaking)

Block No.11, Shakti Bhawan, Vidyut Nagar, Jabalpur 482008

office: 0761- 2664653, 2702814 Fax: 0761-2664653 email: cgmreg@gmail.com

No. CGM (Regulatory)/ 364

Jabalpur, Dated: 19-12-12

To,

→ The Member Secretary
Western Regional Power Committee,
F-3, MIDC Area, Marol, Andheri (East),
Mumbai – 400 093

4. दी. वि. स. मुबई / WRPC
आवक संख्या / Inward No. 5453
दिनांक / Date: 31/12/12

FAX No. 022 - 28370193

Sub: Settlement of Reactive Energy Charges between MPPMCL and
CSPDCL.

Ref: i) This office Fax No. 314 dated 7.12.2012.
ii) CE(SLDC), MPPTCL's Fax No. 2640 dated 5.11.2012.
iii) CGM(Commercial), MPPMCL's letter No. 156 dated 24.1.2012.

This has reference to this office letter No. 314 dated 7th December 2012 sent through fax also as cited above, and thereafter telephonic discussion held with Shri P. Pentaiyya, GM, WRLDC regarding revision in computation of Reactive Energy Charges between MP and Chhattisgarh on account of LILO of 400 KV Bhilai – Sarni line at 765 KV Seoni Substation of PGCIL on 18.9.2007. In view of above LILO, the 400 KV Bhilai – Sarni is now divided in 400 KV Bhilai – Seoni and 400 KV Seoni – Sarni lines. Since, both the lines are now connected to PGCIL Substation i.e. CTU, the Reactive Energy Charges on account of flow of reactive power on these lines are to be settled between ISTS and respective State Utility viz. MPPMCL and CSPDCL. The statement of Reactive Energy Charges issued by WRPC therefore needs to be revised on account

of LILO of line as mentioned above till than MPPMC is not in a position to make payments to CSPDCL as mentioned in statement issued by WRPC. Due to non payment from MPPMC, CSPDCL has filed a petition before CERC.

In view of above, it is again requested to issue necessary amendment to the Reactive Energy Charges account immediately for settlement.

Chief General Manager (Regulatory)
MPPMCL : Jabalpur

Copy to:

1. The General Manager, WRLDC, F-3, MIDC Area, Marol, Andheri (East), Mumbai – 400 093
2. The Chief Engineer (Commercial), Chhattisgarh Power Distribution Company Ltd., Vidyut Seva Bhawan, Dagania, Raipur – 492 013.
3. The Chief Engineer (Load Despatch), MPPTCL, Jabalpur.
4. The General Manager (F&A), MPPMCL, Jabalpur.

Annex 14.3



पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A wholly owned subsidiary of POWERGRID)

पश्चिम क्षेत्रीय भार प्रेषण केन्द्र

एफ-३, सेन्ट्रल रोड, एम्.आई.डी.सी. एरिया, मरोल, अन्धेरी (पूर्व), मुंबई-400 093.

दूरभाष (O) : 022-28202690, 28203885, 28397634 • ई-मेल : wrldc@bol.net.in • फैक्स : 022 28235434, 28202630

WESTERN REGIONAL LOAD DESPATCH CENTRE

F-3, MIDC Area, Marol, Andheri (East), Mumbai - 400 093.

Phone (O) : 022-28202690, 28203885, 28397634 • E-mail : wrldc@bol.net.in • Fax : 022 - 28235434, 28202630

संदर्भ संख्या / Ref. No.

Ref. No: WRLDC/OS/1531/2010

Dated: 21st Dec, 2012

To,

Chief Engineer (LD),
State Load Despatch Centre
MPPTCL, Nayagaon,
Jabalpur, Madhya Pradesh - 482008

प. सि. ऑ. / WRLDC
आवक संख्या / Inward No 5448
दिनांक / Date 28/12/12

SE (C)
24/12

Sub: Revision of Reactive Energy accounts between MPPTC and CSPTCL

Ref: You letter dated 5th Nov'2012, Ref.No.07-05/RPC-34/2640 addressed to Member Secretary, WRPC.

Dear Sir,

This has reference to the letter under references on the subject mentioned above. As mentioned in your letter WRLDC has made necessary changes in the accounts of VARh charges between MPPTCL and CSPTCL wef 29th Oct'2012.

The revision of accounts from the date of LILO of 400kV Bhilai-Satpura at 400kV Seoni 400kV S/S of PGCIL will be completed by Feb2013.

Thanking you,

Yours sincerely

पी पेंटय्या
(P. Pentayya)

General Manager

Copy to:

- ✓ 1. Member Secretary, WRPC, Mumbai
2. Chief Engineer (Comm), MPPTCL, Shakti Bhawan, Jabalpur
3. The Executive Director (F&A), MPPTCL, Shakti Bhawan, Jabalpur

M.P. Power Management Co. Ltd.

(A Govt. of M.P. Undertaking)

Block No.11, Shakti Bhawan, Vidyut Nagar, Jabalpur 482008

office: 0761-2664653, 2702814 Fax: 0761-2664653 email: cgmreg@gmail.com

Annex 15

1/1

No. CGM (Regulatory)/ 79

Jabalpur, Dated: 19.01.13

To,

The Superintending Engineer (Commercial),
Western Regional Power Committee,
F-3, MIDC Area, Marol, Andheri (East),
Mumbai - 400 093.

Fax: 022-28370193

Sub: Agenda for 63rd Commercial Committee meeting of WRPC.

Ref: Your notice dated 9th January 2013.

Dear Sir,

With reference to above, it is requested to include following agenda item in the ensuing 63rd Commercial Committee Meeting (CCM) of WRPC scheduled to be held on 7th February 2013 at Mumbai :

Item No. 1 : Transmission charges for spare transformer and spare reactor :

This issue was also raised earlier vide this office letter dated 14th August 2012 for inclusion in 62nd Commercial Committee meeting, but, unfortunately it could not be included. The copy of letter is again enclosed for inclusion in the agenda item.

Item No. 2 : Implementation of Western Region System Strengthening Scheme - II Project B & C:

It is requested to kindly refer this office letter No. 39 dated 7th January 2013 vide which reply in the matter has been submitted to POWERGRID and endorsement was made to your office with a request to take up this matter as agenda in the next meeting of CCM / WRPC. The copy of letter is against enclosed for inclusion as agenda item.

Item No. 3 : Inclusion of Declared Capacity and Scheduled Energy Data for power supplied from Unit 1 to PTC for onward supply to MPPMC under long term PPA dated 11.05.2005 in the monthly REA :

MP Power Management Company is purchasing 300 MW power from Unit 1 of Lanco Amarkantak Power Pvt. Ltd. plant at Pathadi, Chhattisgarh through PTC, under long term PPA on long term basis. The commencement of power has started w.e.f. 3rd December 2012. Lanco vide their letter dated 17th December 2012 (copy enclosed) has requested WRPC for inclusion of declared capacity and Scheduled Energy Data for power supplied from Unit 1 to PTC for onward supply to MPPMC under long term PPA dated 11.05.2005 in the monthly REA. MPPMCL therefore requests that since unit 1 of Lanco is controlled by WRLDC, the declared capacity and scheduled energy data may be considered for inclusion in the REA being issued by WRPC on monthly basis.

Encl: As above.

Chief General Manager (Regulatory)
M.P. Power Management Co. Ltd., Jabalpur

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)
POWER SYSTEM OPERATION CORPORATION LIMITED
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पश्चिम क्षेत्रीय भार प्रेषण केन्द्र

एफ-३, सेन्ट्रल रोड, एम्.आई.डी.सी. एरिया, मरोल, अन्धेरी (पूर्व), मुंबई-400 093.

दूरभाष (O) : 022-28202690, 28203885, 28397634 • ई-मेल : wrldc@bol.net.in • फैक्स : 022 28235434, 28202630

WESTERN REGIONAL LOAD DESPATCH CENTRE

F-3, MIDC Area, Marol, Andheri (East), Mumbai - 400 093.

Phone (O) : 022-28202690, 28203885, 28397634 • E-mail : wrldc@bol.net.in • Fax : 022 - 28235434, 28202630

SE (C)

105
22-1

संदर्भ संख्या / Ref. No.

प. दो. वि. स. मुंबई /WRPC

आवक संख्या / Inward No. 172

WRLDC/MO-I/1551/13

दिनांक / Date: 22/1/2013

Dated: 22nd Jan, 2013

To

Member Secretary
Western Regional Power Committee
Mumbai.

Sub: Agenda items for 63rd Commercial Committee Meeting to be held on 7th February'13 at Mumbai.

Sir,

You may kindly include the following agenda items for discussion in the ensuing 63rd Commercial Committee Meeting to be held on 7th Feb'13.

Yours faithfully,

पी पेंटया
22/1/2013
(P.Pentayya)

General Manager

Item:No.1: Status of utilization of Reactive Energy Charge pool account for the purpose of Capacity building

In the 19th WRPC meeting held on 10th Feb'12, the proposals by WRLDC for conducting workshops to provide awareness and confidence to system engineers of power system utilities of Western Region and the funding of these workshops from REC pool account was approved.

Accordingly two workshops were conducted by SLDC, Maharashtra at Mahabaleswar on 30th & 31st Oct 2012 and by SLDC, Madhya Pradesh at Jabalpur on 26th & 27th Nov'2012. The workshops was well organized with an active participation of 70 Engineers in each workshop. The total expenditure towards conducting the above mentioned workshops from REC pool account is as follows.

Sl.no	Entity conducted the Workshop	Date of workshop	Venue of workshop	Total expenditure	Amount released from REC pool account
1	SLDC, Maharashtra	30 th & 31 st Oct'2012	Mahabaleswar	Rs.8,81,848	Rs.8,81,848 on 15 th Nov'12
2	SLDC, Madhya Pradesh	26 th & 27 th Nov 2012	Jabalpur	Rs.5.56.747	Under Process

The above expenditure may please be approved by the members of the Commercial Committee.

Item No.2: Time correction of SEMs in Western Region

As per the SEM data received from various locations in Western Region it has been observed that many SEMs are drifted in time. At few stations in WR, time correction has not been done since long. The issue of time drifting of SEMs with respect to GPS was taken up with the constituents of Western Region from time to time but no positive response received from the constituents.

WRLDC vide its letter dated 4th Sept'2012 requested POWERGRID, WRTS-I and WRTS-II to carry out time synchronization of all the SEMs in Western Region and also communicated to all the locations

through e-mail to send the time drift report and to carry out necessary time correction if required. The list of locations along with the locations so far given feedback is enclosed at **Annex-I**.

Few stations reported to WRLDC that they were not able to perform the time correction using the Data Collecting Device due to requirement of installation of some additional "patch" in the existing S/W of DCD.

Since time synchronization of all SEMs is very much required for an error free calculation of UI accounting, it is requested that POWERGRID may make arrangements for carrying out time synchronizations in all the locations and for installation of necessary "patch" in the DCD so that in future the sub-stations can carry out time correction/ synchronization on a monthly basis.

It is proposed that while downloading the data, the time drift may be noted and whenever any time correction/synchronization is carried out on the drifted meter; record may be generated and sent to WRLDC in the prescribed format given at **Annex-II**.

Item.No.3: Erroneous SEM data recording

On analysis of weekly SEM data it is noticed that the following meters are recording erroneous reading and is urgently required to take necessary corrective action by the respective stations. The error may be due to improper inputs to the SEM, mismatch in CTR & PTR used in the calculation/actual connected. The CTR and PTR used by WRLDC for computations of MWH for the above meters are given against each meters. All stations are requested to check the connected CTR & PTR of these SEMs and report to WRLDC in case of any discrepancy. Also all the stations are requested for ensuring proper inputs to SEMs.

In case the problem could not be fixed by the respective sub-stations it is requested that PGCIL may replace such meters immediately.

Sr No	Metering Issues			
1	765/400 kV ICT 1 at Bilaspur			CTR
	765kV	CS-73	NP-2628-A	1500/1A
	400kV	CS-74	NP-2629-A	3000/1A
	Meter NP-2628-A is reading half compare to meter NP2629-A			PTR
2	765/400 kV ICT 2 at Bilaspur			CTR
	765kV	CS-75	NP-2627-A	1500/1A
	400kV	CS-76	NP-2636-A	3000/1A
				PTR

	Meter NP-2627-A is reading half compare to meter NP2636-A			
3	400kV Sugan line 1 at Gandhar		CTR	PTR
	400kV GA-26	NP-2340-A	1000/1A	400kV/110V
	400kV SU-11	GJ-2292-A	1000/1A	400kV/110V
	Meter GJ-2292-A is reading 2/3rd of meter NP-2340-A			
4	400kV Seoni line-1 at Khandwa		CTR	PTR
	400kV MP-75	NP-6331-A	2000/1A	400kV/110V
	400kV SE-11	NP-5742-A	3000/1A	400kV/110V
	Meter Np6331-A is reading less energy compare to meter NP-5742-A.			
5	400kV Bina(PG) line at Indore		CTR	PTR
	400kV MB-30	NP-2601-A	2000/1A	400kV/110V
	400kV MB-31	NP-5760-A	1000/1A	400kV/110V
	Meter NP-2601-A is reading less energy compare to meter NP-5760-A.			
6	765/400kV ICT-1 at Satna		CTR	PTR
	765kV MB-32	NP-2689-A	2000/1A	765kV/110V
	400kV MB-33	NP-2623-A	3000/1A	400kV/110V
	Meter NP-2623-A is recording 2/3rd of energy compare to meter NP-2689-A.			
7	400kV Parli(MSEB) line-1 at Parli(PG)		CTR	PTR
	400kV MH-63	NP-6720-A	1000/1A	400kV/110V
	400kV MH-66	NP-6723-A	1000/1A	400kV/110V
	Meter NP-6720-A is recording 2/3rd of energy compare to meter NP-6723-A.			
8	765/400 kV ICT 1 at Wardha(PG)		CTR	PTR
	765kV MM-11	NP-6769-A	3000/1A	765kV/110V
	400kV MM-12	NP-6770-A	3000/1A	400kV/110V
	Meter NP-6770-A is recording less (slightly more than 2/3rd) energy compare to meter NP-6769-A.			
9	765/400 kV ICT 2 at Wardha(PG)		CTR	PTR
	765kV MM-16	NP-6254-A	3000/1A	765kV/110V
	400kV MM-17	NP-6730-A	3000/1A	400kV/110V
	Meter NP-6730-A is recording approximately 2/3rd less energy compare to meter NP-6254-A.			
10	765/400 kV ICT 3 at Wardha(PG)		CTR	PTR
	765kV MM-18	NP-6772-A	3000/1A	765kV/110V
	400kV MM-19	NP-6773-A	3000/1A	400kV/110V
	Meter NP-6773-A is recording less (slightly more than 2/3rd) energy compare to meter NP-6772-A.			
11	400kV Nagothane line-2 at RGPPL		CTR	PTR
	400kV RG-22	NP-6327-A	2000/1A	400kV/110V
	400kV RG-26	NP-6297-A	2000/1A	400kV/110V
	Meter NP-6327-A is recording less energy compare to meter NP-6297-A.			

Item No.4: Automatic Meter Reading of Energy Meters

As per Item.No.18 of the minutes of the 11th WRPC meeting held on 25th September 2009 at Raipur, it was agreed by all the members that Automatic Meter Reading (AMR) need to be implemented in WR considering rapid growth in transmission system and generating stations . During the discussions it was suggested by the members that initially at 3-4 locations the AMR scheme shall be installed at free of cost and based on the experience the decision for implementation of the same for all locations will be taken later on.

In line with the above decision M/s KalkiTech had done a pilot project at Seoni S/S of POWERGRID. Before this M/s BPL had also done a pilot project at Seoni S/S.

Currently AMR is need of the hour and all other regions have already gone ahead with implementation of the same. It proposed that the AMR project may be implemented in WR by POWERGRID for all the locations presently metered and used in Energy Accounting by WRLDC/WRPC.

The Committee may approve the above proposal.

Item No.5: Non receipt of SEM data

It has been noticed from the past weeks that, the following stations are not sending SEM data to WRLDC on weekly basis. It is requested that the data from the following locations may be ensure by the respective agencies without any failure to WRLDC on weekly basis.

Sl.No	Location	Entity responsible
1	Navsari 400kV (PG)	POWERGRID
2	Kolhapur(400kV)	Maharashtra
3	Mustungi(220kV)	Maharashtra
4	G'Sagar (220kV)	Madhya Pradesh
5	Rajghat (132kV)	Madhya Pradesh

Item, No.6: Additional set of Meter reading on 1st of every Month for preparation of Monthly Regional Energy Accounting

It was intimated by WRPC Secretariat that due to non availability of SEM data from few locations the monthly REA issued on 4th of every month needs to be revised again. It is once again requested that the following stations shall send an additional set of meter reading to WRLDC on 1st of every month without any failure for preparation of REA.

Sl.No	Entity	Stations	Remarks
1	All NTPC	1. KSTPS	Additional set of

	stations of WR	2. VSTPS 3. KAWAS 4. GANDHAR 5. SIPAT 6. MOUDA	data has been received from these stations
2	All NPC station of WR	1. KAPS 2. TAPS 1&3 3. TAPS 3&4	Additional set of data has been received from these stations
3	NCA	1. SSP	Occasionally data not received.
4	MP	1. PENCH	Additional set data never received.

Item No.7: Status of LC opening toward UI payments .

The status of LC to be opened by WR entities for the FY 2012-13 is given below.

SI No.	WR Entity who have to open LC	No.of times UI payment was delayed(From 01-Apr-11 to 31-Mar-12)	No of weeks in which UI payable	Average payable weekly UI (Rs in lakhs)	LC Amount (Rs in lakhs)	Remarks
1	CSPDCL	2	36	1037	1141	Not opened
2	MP Power Management Co. Ltd	20	23	1259	1385	Opened LC for Rs 13.85 crores on 11th Oct12 which is valid upto 30.06.13
3	GOA	5	25	103	113	Not opened
4	DNH	14	20	238	262	LC opened for Rs 1.24 crores on 23.6.12 which is valid upto 20.6.13
5	D&D	18	18	130	143	LC opened for

						Rs 5.11crores on 7.2.12 which is valid upto 6.2.13
6	JINDAL POWER	12	33	183	201	LC opened for Rs 1.89 crores on 9.12.11 which was valid upto 9.12.12
7	LANCO	2	6	193	212	Not opened
8	*Essar MAHAN Thermal Power Plant	8	16	13	14.3	Not opened

* Essar MAHAN TPP Defaulted in current FY 2012-13 in 9th week (21-27.05.12).

Item.No.8: Reconciliation of UI and REC pool account for the period Oct'12-Dec'12.

All the details of payments/receipts of UI and REC during Oct'12 to Dec'12 are being uploaded on WRLDC website ([www.wrlc.com/commercial/Pool Reconciliation](http://www.wrlc.com/commercial/Pool_Reconciliation)). UI and REC bills issued/payment received upto 31st Dec'12 are considered for reconciliation. All members are requested to download the same and inform WRLDC if any discrepancy. WRLDC proposes to complete the reconciliation process by 31st Jan 2013. So kindly check the statements at your end and co-operate for completing the reconciliation.

Item.No.9: Status of UI charge payable/Receivable to UI Pool account as on 15th Jan'2013

(+) Payable / (-) Receivable

Amount in Rs.

	<i>Total dues</i>	<i>Payments overdue</i>
	<i>Principal</i>	<i>Principal</i>
CSPDCL	69,241,591	
MP Power Management Co. Ltd.	6,093,902	
GETCO	-39,562,248	
MSEDCL	-78,773,283	
Goa	-354,785	
D&D	-4,803,617	
DNH	847,464	

NTPC	-69,326,613	
NR Exchange	3,393,826,820	3,293,111,055
SR Exchange	-2,959,609	
ER Exchange	1,008,556,256	983,014,155
JINDAL POWER	-2,637,833	
HVDC V'chal	-160,741	
HVDC B'vati	-587,307	
Lanco Amarkantak Power Ltd	-24,791,052	
NSPCL	-1,041,759	
ACB India Ltd.	-1,777,402	
RGPPL	220,315	
BALCO	-144,123	
CGPL UMPP MUNDRA	-43,193,763	
DCPP JSPL	2,126,395	
Essar (MAHAN) TPP	6,984,099	4,724,470
SASAN Power limited	5,080,088	1,687,491
KSK Mahanadi	165,170	
Vandana Vidyut Ltd	407,074	146,760
EMCO Energy ltd	1,052,735	0
Differential amount from capping due to injn. >105%	-426,185,041	
Amount araised from additional UI	-606,198,645	
Amount araised from capping on Over Injn.and under drawal	-3,743,608,259	
Net Total in capping&Addl. UI A/c	-551,504,171	

Note : This includes :

1. UI Accounts issued upto 41st week of 2012-13 ie.,31.12.12 to 06.01.13
2. UI Payments received and distributed upto 15.01.13

Item.No.10: : Status of REC payable/Receivable to UI Pool account as on 7th Jan'2013

Status of Reactive Energy Charges Payable to REC Pool Account

Last updated on 21/01/13

(+) Payable / (-) Receivable from Pool

Amount in Rs.

	<i>Total dues</i>	<i>Total overdues</i>
	<i>Principal</i>	<i>Principal</i>
CSPDCL	-97,99,204	-80,77,949
MPPTCL	-44,36,397	-25,43,141
GETCO	-86,95,465	-67,37,212
MSEDCL	0	
Goa	-2,29,030	-1,92,993
DD	1,55,65,519	1,54,77,893
DNH	79,91,180	77,11,439
TOTAL	3,96,603	56,38,037

*When Receivables are more than payable, total of all receivables made equal to payable.

*When all are receivable, all receivables made zero .

Note : This includes :

1. REC Accounts issued upto 40th week of 2012-13 ie.,24.12.2012 to30.12.2012
2. REC Payments received up to 21.1.13

There is huge outstanding by Elect.Dept Daman&Diu and DNH. Requested to clear the outstanding immediately. If outstandings are cleared by them, balance money after paying to receivable utilities can be utilized to conduct workshop related to system operation.

TIME DRIFT STATUS				
Sl.No	LOCATION	Abbreviations	Time Drift Reported	Correction Carried Out
	NTPC			
1	Korba	KBN	Yes	Under Process/request to submit the present status
2	VSTPS	VIN	Yes	
3	MOUDA	MOU		
4	KAWAS	KAW	Yes	Under Process/request to submit the present status
5	GANDHAR	GAN	Yes	Under Process/request to submit the present status
6	SIPAT	SIP	Yes	Under Process/request to submit the present status
7	NPC			
8	KAPS	KAP	Yes	Under Process/request to submit the present status
9	TAPS1&2	TAP	Yes	Under Process/request to submit the present status
10	TAPS 3&4	TAPS		
	Other CGS			
11	NSPCL	NSP	Yes	Under Process/request to submit the present status
12	RGPL	RGP		
	JOINT Vent./IPPs			
13	PENCH	PEN		
14	SSP	SSP		
	IPPs			
15	JINDAL	JIN - 1		
16	JSPL (DCPP)	JIN - 2		
17	LANCO	LAN	Yes	Under Process/request to submit the present status
18	APL, MUNDRA	MUN		
19	BALCO	BCO		
20	KSK MAHANADI	KSK		
21	VANDANA	VAN		
22	EMCO	ECO		
23	IPEL	IPE		
24	MAHAN	MAN		
33	ACBIL	ACB		

34	ACBIL (Spectrum)	ACB 1		
65	JAYPEE - JBTPP	JPY		
UMPPs				
25	CGPL - MUNDRA	MUN1	Yes	Under Process/request to submit the present status
26	SASAN	SAS	Yes	Under Process/request to submit the present status
CSEB				
27	Korba(E)	KBE	Yes	Under Process/request to submit the present status
28	Korba(W)	KWB		
29	Raigarh	RAI		
30	Bhilai/Khedamara	BHI		
31	Dongargarh	DON		
32	Kotmikal	KOM		
GEB				
35	Asoj	ASO	Yes	Under Process/request to submit the present status
36	Kasor	KAS		
37	Halderwa	HAL		
38	GPEC	GPE		
39	Ichhapur	ICH		
40	Navsari	NAV		
41	Bhilad	BLD		
42	Vapi (GEB)	VAP		
43	Vav	VAV		
44	UNA	UNA		
45	Kansari	KAN		
46	Sugen	SUG	Yes	Under Process/request to submit the present status
47	Zerda	ZER		
48	CHORNIA-LIMDI	LIM	Yes	Under Process/request to submit the present status
49	RANCHORPURA / VADAVI	RNP		
50	JETPUR	JET		
51	NANIKAKAR	NAN		
D&D				
52	Magarwada, Dabhel&Dalw	DBL		

53	Diu	DIU			
	DNH				
54	Karadpada	KPD			
55	Dadra, Silvassa, Khadoli	DAD			
	MPSEB				
56	Indore	IND	Yes		Under Process/request to submit the present status
57	Bina(MP)	BINM			
58	Satpura(Sarni)	SAR			
59	Bhopal	BPL	Yes		Could not proceed due to requirement of installation of "patch"
60	Pandurna	PAN			
61	Malanpur	MAL			
62	Ujjain / Barod	UJJ			
63	Gandhi Sagar	GND			
64	Amarkantak	AMK			
66	Balaghat zip.	BAL			
67	Nagda	NAG			
68	SEZ	SEZ			
69	Birsingpur	BIR			
70	RAJGHAT	RGT			
71	ANNUPPUR	ANU			
	MSEB				
72	Chandrapur	CHA	Yes		Under Process/request to submit the present status
73	Dhule	DHU			
74	Koradi	KOR	Yes		Under Process/request to submit the present status
75	Kalmeswar	KAL			
76	Padhge	PAD			
77	Akola	AKO-1	Yes		Under Process/request to submit the present status
78	Nasik	NAS	Yes		Could not proceed due to requirement of installation of "patch"
79	Aurangabad	AUNG			
80	Kolhapur(400kV)	KOL4			
81	Kolhapur(220kV)	KOL2			
82	Tillari	TIL			
	GOA				
83	Ponda	PON - 1			
	POWERGRID				

84	BHACHAU zip.	BAC		
85	PARLI	PAR		
86	Raipur	RAP		
87	Dehgam	DEH	Yes	Under Process/request to submit the present status
88	Jabalpur	JAB		
89	Satna	STN	Yes	Under Process/request to submit the present status
90	Itarsi	ITA		
91	Khandwa	KHN - 1 & 2		
92	Bhadravathi	BHA		Under Process/request to submit the present status
93	Mapussa	MAP	Yes	Under Process/request to submit the present status
94	Boisar	BOI		
95	Vapi 400KV	VAP		
96	Bina (PG)	BINPG		Under Process/request to submit the present status
97	Gwalior	GWL	Yes	Under Process/request to submit the present status
98	Bhatapara	BAT	Yes	Under Process/request to submit the present status
99	SEONI	SEO		
100	Rajgarh	RAJ	Yes	Under Process/request to submit the present status
101	DAMOH	DMO		
102	WARDHA	WAR		
103	SHOLAPUR	SOL		
104	PIRANA (PG)	PIR	Yes	Under Process/request to submit the present status
105	SHUJALPUR -	SJP	Yes	Under Process/request to submit the present status
106	BILASPUR	BIL		
107	RAIGARH(PG)	RGIPG	Yes	Under Process/request to submit the present status

