

Government of India
Central Electricity Authority
System Planning & Project Appraisal Division
Sewa Bhawan: R.K.Puram
New Delhi-110066

No.26/10/2008-SP&PA/

Dated 09th April 2009

The Member Secretary,
Western Regional Power Committee,
MIDC Area, Marol, Andheri East, Mumbai
Fax 022 28370193

Subject: Special meeting to discuss the issues related to LTOA.

Sir,

In reference to your letter no.AS/BRD/WRPC/2009 dated 06.04.2009 please find enclosed the agenda pertaining to various issues raised by the constituents in regard to the Transmission System Associated with the Talaiya Ultra Mega Power Project (4000 MW), in Jharkhand, Nabinagar (1000MW) of Railways and NTPC, Barh-II (1320 MW), Rihand-IV (1000MW), Vindhyachal-IV (1000MW) and Mauda (1000MW) of NTPC, and IPPs in Jharkhand, Orissa, MP, Chattisgarh, and Maharashtra for discussion during the meeting.

The agenda is also available at CEA website (www.cea.nic.in at the following link: Home page – Power Systems – Standing Committee on Power System Planning – Western Region)


(P. K. Pahwa)
Director, SP&PA, CEA
Tel. no. 011-26108118

Agenda for the special meeting of the Standing Committee on Power System Planning of Western Region to be held on 18.04.2009

- 1. Transmission System Associated with the Tilaiya Ultra Mega Power Project (4000 MW), in Jharkhand, Nabinagar (1000MW) of Railways and NTPC, Barh-II (1320 MW), Rihand-IV (1000MW), Vindhyachal-IV (1000MW) and Mauda (1000MW) of NTPC, and IPPs in Jharkhand, Orissa, MP, Chattisgarh, and Maharashtra**
- 1.1 In the 28th SCM meeting held on 06.12.2009 at Aurangabad, the transmission system was deliberated and concurred. The minutes of the 28th SCM was circulated to the members vide letter No.26/10/2002-SP&PA/15-26 dated 23rd December 2008. Subsequently CSPTCL, MPPTCL and MSETCL etc have sent their observations. CEA's reply to observations of CSPTCL and MPPTCL were sent to them which are enclosed as Annexure-I and Annexure-II respectively.
- 1.2 MSETCL vide their letter dated 18.02.2009 have requested for basis for calculation details of the transmission charges for System strengthening for WR and System strengthening common for WR and NR. MSETCL have also requested for basis for consideration of Pooled Lines, ATS Lines and System Strengthening Lines. Regarding calculation details of the transmission charges, PGCIL may provide the necessary details. Regarding consideration of pooled lines, ATS lines and System Strengthening network it is clarified that dedicated lines from the generating station to the interconnecting point have been classified as ATS lines for that particular generator. Lines from the interconnecting points of the generators up to periphery of the region viz Gwalior which would be for the benefit of WR as well NR has been classified as Transmission system common for WR and NR. Lines which would exclusively benefit WR region have been classified as System Strengthening for WR
- 1.3 Transmission system connected with Vindhyachal Pooling station**

NTPC vide letter dated 15.12.08 had informed that fault level of existing 400kV bus at Vindhyachal station would exceed the permissible limits even without its connection with Vindhyachal-IV due to its interconnection with Sasan Generating station through LILO of Vindhyachal-Jabalpur 400kV D/c line at Sasan approved as a part of Sasan generation project. Accordingly, the matter was examined and it is found that in order to reduce the short ckt MVA at Vindhyachal generating station, LILO of Vindhyachal – Jabalpur 400kV D/c line at Sasan may be disconnected at a later date after establishment of 765/400 kV Vindhyachal Pooling station but before commissioning all units. To keep the connectivity of Sasan and Vindhyachal pooling station, Sasan-Vindhyachal pool 765 kV S/C line could be established as a new transmission line.

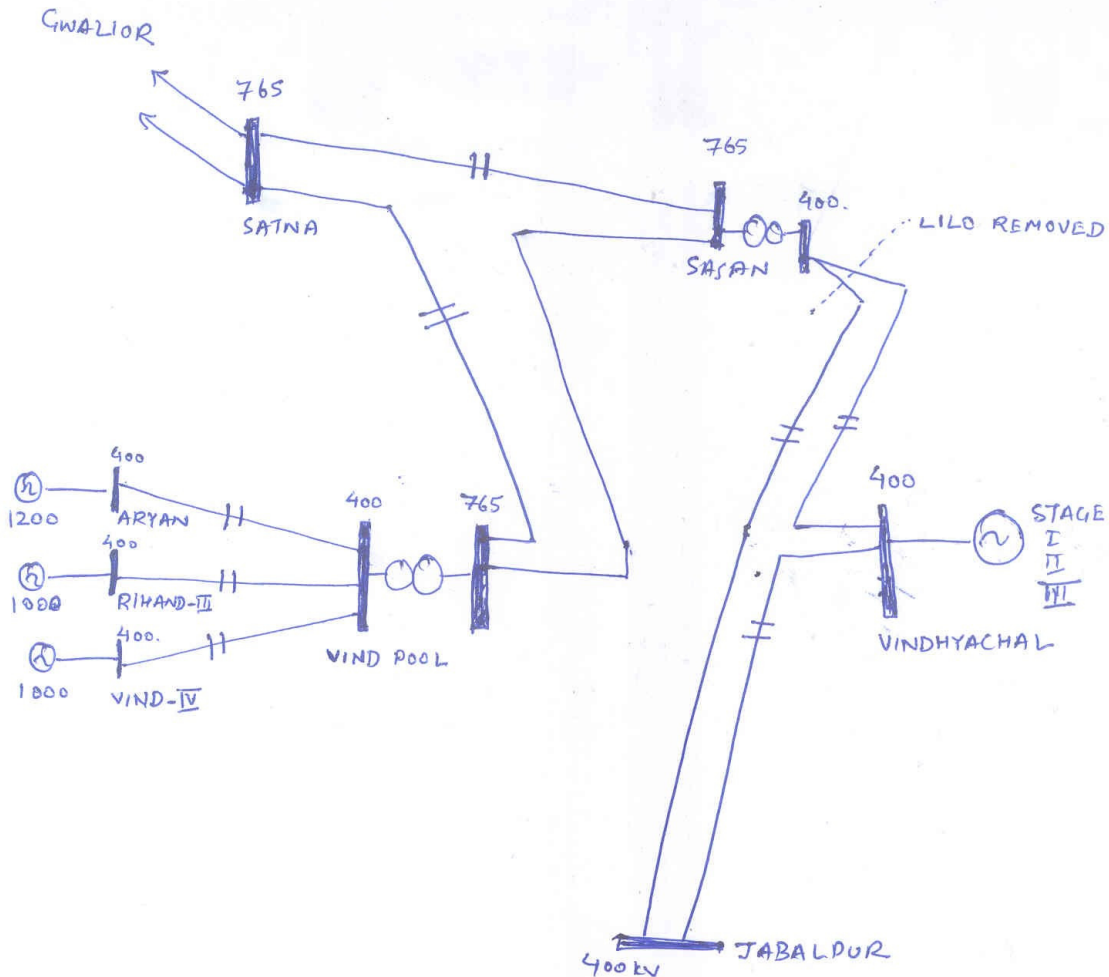
As per the information available, land for pooling station near to Vindhyachal generating station is not available and Vindhyachal pooling station shall be located at a distance of about 40 to 50 km.

At Vindhyachal pooling point, Rihand-III (1000 MW), Vindhyachal-IV (1000 MW) and Aryan Coal (1200 MW), are presently proposed to be connected. As the generators would be coming in different time frame, the transmission system connected with Vindhyachal pooling station requires to be phased. The following phasing is suggested:

- (i) When the initial unit at Vindhyachal stage-III and Rihand-III generation are commissioned they could be connected to Vindhyachal Pooling point and the Vindhyachal Pooling-Satna-Gwalior 765 kV link is charged at 400 kV level.

- (ii) In this time frame few units at Sasan would only be commissioned and there would not be any short circuit level problems at Vindhachal 400 kV generating bus due to LILO of Vindhachal- Jabalpur 400 kV D/C at Sasan.
- (iii) When the entire planned generating stations connected to Vindhachal pooling station are commissioned, at that stage the Vindhachal Pooling-Satna-Gwalior link can be charged at 765 kV level along with interconnection of Sasan-Vindhachal 765 kV S/C.
- (iv) After charging at 765 kV level the LILO of Vindhachal – Jabalpur 400 kV D/C line at Sasan could be disconnected with suitable switching arrangements at Sasan 400 kV switchyard to meet its starting power requirements.

PROPOSED CONNECTIVITY AT VINDHYACHAL POOLING



It needs to be noted that NTPC has proposed interconnection of both 400 kV and 765 kV Vindhachal pooling point buses with Sasan UMPP 400 kV and 765 kV buses to increase the reliability and redundancy of power evacuation from both the projects.

Members may discuss.

1.4 PGCIL vide their letter dated 11.02.2009 have suggested the following modifications in the agreed network:

- a. Change in Location name of pooling station
Change of Chamba, Raipur and Raigarh to Chamba pool, Raigarh pool and Raipur pool 765/400 kV substation.
- b. 2X S/C 765 kV lines instead of Raigarh-Raipur and Chamba –Raipur S/C 765 kV lines. Also PGCIL have suggested 4X1500 MVA 765/400 kV SS at Raipur pool instead 2X1500 MVA.
- c. 2X S/C 765 kV lines instead of Satna-Gwalior 765 kV S/C line.
- d. 40 % FSC on Raipur-Wardha 2XD/C 400kV lines up gradable to 2XS/C 1200kV lines and Wardha-Aurangabad D/C 400kV line (2nd line) up gradable to 1200kV S/C line(2nd line)
- d. Following 400 kV level interconnections have been proposed at 765/400 kV SS at Vadodara, Bhopal, Dhule and Phadge:
 - Vadodara-Pirana(PG) 400 kV D/C quad
 - Vadodara-Asoj(GETCO) D/C quad
 - Bhopal- Bhopal (MP) D/C quad
 - Dhule-Dhule (MSCTCL) D/C quad
 - Phadge-Phadge-II (MSETCL) D/C quad

Members may deliberate.

1.5 Phasing of the transmission interconnecting from Jarsuguda and Ranchi towards Western Region would also need to be done. For this PGCIL may intimate the latest status and time frame of the various IPPs proposed to come in Chattishgarh, Orissa, Jharkhand etc., so that an exercise for the phasing of the transmission system could be done .

Central Electricity Authority
SP&PA, Sewa Bhawan
R.K. Puram, New Delhi-66

No.26/10/2009-SP&PA/

Dated 4th March 2009

To
The Managing Director,
CSPTCL, Raipur
Chattishgarh

f A/c Office - 2241141

Sub: 28th meeting of the Standing Committee on Power System Planning of WR –
Comments of Chhattisgarh State Power Transmission Company Ltd

Reference: Managing Director, CSPTCL letter no CSPTCL/35 dated 31-1-2009
forwarding comments on the minutes of 28th SCM meeting.

Our observation/clarification to the various points raised in your letter are as under:

Planning Aspects

- I. With regard to your observation that transmission planning should be done in a phased manner it is clarified that a comprehensive system has been planned considering those Central sector and IPP projects which have made some progress indicating the possibility of their materializing. This integrated plan would be implemented in phases matching with the commissioning of various generating stations and units. Planning of transmission system for individual power projects would result in sub optimal solution and would lead to increase in ROW requirements. CEA does not advocate this methodology. It may be noted that the implementation program of the planned transmission system would be worked out subsequently in a phased manner matching with progress of commissioning of generating units of various generating stations.

With regard to your observation that 33000 MW of generation capacity in WR would be getting added by 2012-13 and demand of WR could be met by in house generation, it is to be clarified that out of total All India capacity addition of 78000 MW during XIth plan, capacity of 5392 MW has been commissioned in WR during the current plan and capacity of 17748 MW is under implementation in WR which would be materializing during the balance period of 11th Plan. We are not aware of the capacity addition based on which Chhattisgarh has arrived at a figure of 33000 MW.

The common transmission system planned for WR and NR corresponds to allocation of about 13503 MW (WR-6872, NR-6631) considering only those IPP projects which have made some progress and there is likelihood of their materializing in the time frame considered. The system evolved corresponds to the time frame of 2014. In case the actual procurement by the states is different from the one indicated, the ratio of sharing of transmission charges for the common NR-WR system would change accordingly.

II. (1), (2), (3), & (4)

Transmission system planning has to take into account various parameters before finalizing the transmission system. This includes reliability of the transmission, investment required and the phasing of investment. Accordingly the transmission system from IPPs in Orissa has been evolved. With regard to HVDC transmission of power from Dharamjaygarh to a suitable point in NR it is clarified that in addition to the IPP projects which have been considered in Orrissa and Chhatisgarh there are large numbers of other IPP generation projects in Orrissa and Jharkhand who have applied for open access. These IPPs have indicated WR and NR as the targeted beneficiaries. As and when there is some certainty in the time frame of their materializing, HVDC outlets from Orrissa and Jharkhand can be considered.

- (5) It is clarified that Satna 765/400 kV, 2X1000 MVA substation is planned as a part of ATS for Sasan UMPP.
- (6) Jhasurguda, Dhenkal and Angul 765 kV s/s are interconnected through 765 kV 2XS/C line taking reliability into consideration. The implementation of the lines would be done depending upon the generation capacity to be commissioned and would be done in phases keeping in view the required reliability, cost of investment and the reactive power management problems of 765 kV lines.
- (7) It has been suggested in your letter that instead of LILO of all the 4 ckts of Rourkela-Raipur at Jhasurguda LILO of only two out of four circuits at Jhasurguda may be done. All the four ckts are proposed for LILO for providing strong anchoring at Jhasurguda. However, this proposal of Chhattisgarh can be taken up for consideration during the next SCM meeting.
- (8) Regarding concurrence of common scheme by NR constituents, the scheme will be taken up with NR constituents for their concurrence in the next SCM meeting of NR.

Cost Sharing Aspects

1. CSPTCL may interact with PGCIL with regard to break up of cost sharing
2. We agree to statement of CSPTCL
3. The requirement of transmission scheme for WR for system strengthening has been arrived at based on studies and considering load generation scenario likely to prevail in time frame of 2014-15. The system strengthening proposed would benefit all constituents of WR.
4. The cost sharing of common transmission system proposed for Central Sector and IPPs is based on ratio of allocation to WR:NR. Within WR region the cost sharing proposed would be based on the final quantum of power for which PPAs would be signed by the constituents.

5. With regard to your contention of different treatment for IPPs situated in Orissa and Chattishgarh it is clarified that as per section 38 of the Electricity Act non-discriminatory open access in transmission has to be provided to any licensee or generating company on payment of transmission charges. The mandate of Electricity Act 2003 is to promote competition so that state utilities can source power from any generating source of their choice. While evolving the transmission system proposed in the 28th SCM it has been kept in view that the generators can supply power to the target beneficiaries without transmission constraints.

It may be mentioned that the Government of Orissa has been quite active in facilitating IPPs and has convened a number of meetings at regular intervals with power project developers in their state. IPPs located in Orissa have shown considerable progress in their implementation, whereas there has not much progress in respect of IPPs in Chattishgarh. In fact the last meeting the Govt. of Chattisgarh had with project developers was in July 2008. As and when there is progress made by IPPs in Chattishgarh, the target date of commissioning and target beneficiaries would become known and the evacuation network would then be evolved. It may be appreciated that it would not be desirable to stall/delay the development of transmission proposed for various IPPs in other state in order to benefit the IPPs of Chattisgarh.

6. CSPTCL may further elaborate on the issue raised, as it is not clear.

P.K. Pahwa
(P. K. Pahwa) 4/3/09
Director, SP&PA, CEA
Tel. no. 011-26108118

CHHATTISGARH STATE POWER TRANSMISSION COMPANY LTD

(A State Government Undertaking)

(A successor of Chhattisgarh State Electricity Board)

No. CSPTCL/35

Raipur, dt. 31-01-09

To,

Shri P. K. Pahuja,
Director, CEA
Sewa Bhawan: R. K. Puram,
New Delhi-110066

Sub: 28th meeting of Standing Committee on Power System Planning in Western region.

Ref: Your letter dated 23/11/08.

Our comments on the minutes are as follows:-

Planning Aspect:-

A comprehensive plan for transmission scheme needed to transmit power from the upcoming generating stations situated in ER i.e. west Bengal, Jharkhand & Orissa and from generating stations situated in C.G in WR has been proposed. Target regions for power transmission are WR & NR. We would suggest that the planning of the proposed transmission is done in phases. In first phase, the transmission system for the central sector power stations, Talaya LMP & only for those IPP's who have finalized their budget & entered into power transmission service agreement with PGCIL should only be considered. The assessment & identification of IPP's who are seriously pursuing their cause for establishment of IPP's is very much needed on account of the following reasons:-

- (i) Because of the economic slow down world over, a situation of serious cash crunch has arisen. The banks & financial institutions are now not actively willing to extend easy loans. This will have an impact on the progress of power generation scenario.

CHHATTISGARH STATE POWER TRANSMISSION

- 3) The track record of achievement in the field of generation through private participation has not been encouraging as their investment philosophy is influenced by many other market forces.
- 3) Electricity market in India which has witnessed abnormally high pricing of electricity, till recently, has started showing signs of declining trend which for investors may not be encouraging.
- 4) The demand and generation scenario in WR is not matching. This will be evident by the following figures:-

a. Present installed capacity of WR	43,000 MW.
b. Additions in generating capacity within WR by 2012-13	33,000 MW.
c. Total IC of WR by 2012-13	76,000 MW.
d. Considering even 75% of the capacity(Availability)	57,000MW.
e. Demand of WR by 2012-13(Projected by 17 th EPS)	56,000MW.

Thus the total demand of WR can be met with its in-house generation. This is to be noted that the contribution of UMPP's at Susna, Mundra, and Krishnaapatnam has not been counted in the above availability figures.

It clearly shows that the total allotment to WR from these power stations (IPP's) as shown in the details of SCM agenda/minutes as 19,406 MW will never materialize. This is a serious situation both for the IPP's & also for the WR beneficiaries to realize. After all the system which is required to be built has to be of ready in use.

Therefore in the face of lot of uncertainties existing in this field, development of transmission system for IPP's needs a relook.

It would be advisable and economical to transmit power from Dharanjaygarh to a suitable point in NR against NR allocation through HVDC. Power to different NR state can be transmitted from the central point through 400/765 KV AC system. In that case the following lines from common corridor for NR & WR would be dropped:-

- 1) Jabalpur- Bina 765 KV lines- 3 circuit. ✗
- 2) Bina- Gwalior S/C 765KV 3rd circuit. ✗
- 3) Gwalior- Jampur 2 x S/C 765 KV lines.
- 4) Dharanjaygarh- Jabalpur S/C 765KV lines.

Also Jabalpur 765KV S/c at Jabalpur may be included in WR (only) Scheme.

- 5) Vindychal pooling- Satna is 2 x S/C line while Satna-Gwalior is 765KV S/C line. Interconnecting 765KV substation at Satna to existing 400KV substation is also not there. The information on Satna 765KV substation whether it is a switching substation or a step down, is not available.
- 6) The interconnection of 400/765KV substation at Jharsugda, Denkan and Angul should be with S/C not with D/C 765KV.
- 7) The LILO of all the four circuit of Roukela- Raipur line at Jharsugda is not desirable. Only two circuits can be made LILO and two should come to Raipur directly.
- 8) Mention of concurrence by WR constituents for lines purely for NR use, is not correct. Only NR beneficiary can decide about it.

Cost Sharing Aspect:-

1. As mentioned above, the split up of transmission cost for (a) UMPP project at Tilaya, (b) central sector project at Barn II, Mauda, Vindychal, Rihand-II & (c) IPP projects in state of Jharkhand, Orissa, CG, MP, Maharashtra should be given so that the extent of transmission cost loading, project wise, is known to the beneficiaries/constituents of WR.
2. The total transmission scheme has been placed under four categories as mentioned below:-
 - a. Generation Specific scheme;
 - b. Cost sharing by WR & NR.
 - c. System strengthening scheme for WR.
 - d. Pooling substations for IPP's in Orissa.
3. Regarding cost sharing of transmission scheme in WR for system strengthening it is found that the requirement of transmission lines has been assessed without knowing the target state (within WR) where the prospective buyers are situated. Under these conditions laying of 765 KV substations & lines at the proposed locations through the proposed route may not be required. Most of the power transmission has been proposed in the state of Maharashtra, as if, all the power allocation in the name of WR is for Maharashtra. This will upset the cost sharing

concept & would put a heavy burden on the beneficiaries who may not avail any power from these IPP's.

4. The philosophy of cost sharing for central sector power has been that total transmission cost was shared by all the beneficiary of the region in proportion of allotted power. For UMPP's, the cost sharing was modified in two parts, part I generators specific scheme for beneficiary only and system strengthening for all the regional constituents. However, the criteria to include lines & substations in system strengthening could not be defined. Now the issue is to decide the cost sharing formulae for transmission scheme for IPP's which has to be different than C. S power station or UMPP's, as power allotment criteria here is different. Infact there is no power allotment but power purchase bilaterally in these cases.
5. The different treatment for IPP's situated in Orissa & Chhattisgarh is evident. The IPP's in Orissa are getting connected with WR system through lines & substations for which ER constituents have not to share any charges while for the similar situation in Chhattisgarh, the state has to share transmission charges for all the pooling substations & lines in Chhattisgarh in the name of system strengthening even though not a single MW from these IPP's is liable to be absorbed here. Share of surplus also flow outside the state, as a rule of equity.
6. The generation specific schemes may not be limited only to generating stations or pooling stations. This may need review.


Managing Director,
CSPCL, Raipur.

Central Electricity Authority
SP&PA, Sewa Bhawan
R.K. Puram, New Delhi-66

No.26/10/2009-SP&PA/

Dated 7th March 2009

To
The Executive Director (T&P-PMU)
MPPTCL, Jabalpur
Madhya Pradesh

Sub: 28th meeting of the Standing Committee on Power System Planning of WR -
Comments of Madhya Pradesh Power Transmission Company Ltd

Reference: Executive Director (T&P-PMU), MPPTCL letter no 04-01/PSP/N-171/1417
dated 07-02-2009 forwarding comments on the minutes of 28th SCM
meeting.

The letter mentioned under reference is enclosed as **Annexure-1**. Our
observation/clarification to the various points raised in your letter is as under:

Para 2.1

PGCIL is being requested to clarify and send the list of transmission schemes agreed to all the constituents indicating status and allocation of various beneficiaries from the power station for which transmission system have been planned.

Para 2.2

The schemes WRSS-IIB and II-C was identified for implementation in private sector through competitive bidding route under directions of CERC .RETL was selected for implementation of these projects. These projects were held up due to issues pertaining to buy out provisions and transfer clauses between REL and the government, which has now been resolved and the schemes are now under implementation.

Para 2.3

The length of Mundra(Adani)-Dehgam line was known at the time of approval of this line. At the time of long term open access provision of series compensation or switching station was discussed and it was agreed that a suitable degree of series compensation would be provided on the line. Provision of switching station or series compensation was a technical requirement and a switching station was agreed subsequently as part of dedicated line. This line is being built by M/S Adani Power to connect their project to Regional grid S/S. The construction of this line is not being pooled in Regional transmission cost. We are not able to appreciate the reason for this comment.

Para 2.4

It is noted that concurrence of WRPC for the 400 kV Torrent (Sugen)-Pirana line and LILO of Gandhar-Vapi at Sugden has inadvertently been missed. LILO of Gandhar-Vapi at Sugden involves the regional system and therefore has to be ratified by WRPC. Member Secretary WRPC is being requested to take this up in the next WRPC meeting.

Para 3.1

The amendment as suggested will be taken up at the time of confirmation of the minutes in the next SCM

Para 4

We agree. PG is being requested to do the needful

Para 4.2 B

"Jharsuguda- Dharamjaygarh-Jabalpur pooling- Bina-Indore- Vadodara was part of agenda proposal. The proposal agreed after discussions was "Jharsuguda- Dharamjaygarh-Jabalpur pooling- Bhopal-Indore-Vadodara" and para 4.14 B reflects the same. As such there is no need for any amendment.

Para 4.2 C

Direct line from Bina-Jaipur will result in line length of the order of 450 km .Therefore anchoring of this line in between is a technical requirement .

Para 4.3

The demand considered for Madhya Pradesh in the studies is 10700 MW.

Para 4.6

Clarification same as at Para 4.

Para 4.7

PGCIL is entering into separate BPTA with the generator for payment of transmission charges till the generator identifies a customer .PGCIL would also look its risk of nonpayment of timely transmission charges by the generator appropriately in the BPTA .Further ,MOP has already notified a separate provision for such risk coverage which would be adopted by PGCIL.Further CERC and Appellate Tribunals would be approached by PGCIL for redressal of any problems.

Para 4.9

It is understood from NTPC that at present they have proposal of adding only 2x500 MW for which they have placed the orders.

Para 4.14

Clarification same as at Para 4

Para 5.0

Clarification same as at Para 4

Para12.0

PGCIL is being requested to clarify this.


(P. K. Pahwa)

Director, SP&PA, CEA

Tel. no. 011-26108118

Copy to

- (i) ED (Engg.) PGCIL, with a request that information pertaining to points under Para 4 and 12 may please be furnished to MPPTCL along with a copy to us
- (ii) Copy to MS WRPC with a request to take up the issue under para 2.4 in the next WRPC meeting.



Annexure - I.

MADHYA PRADESH POWER TRANSMISSION CO. LTD.
SHAKTI BHAWAN, RAMPUR, JABALPUR

No.04-01/PSP/N-171/1417

Date: 7 FEB 2009

To

Shri P.K. Pahwa
Director
Central Electricity Authority,
Sewa Bhawan, RK Puram,
New Delhi-110 066
Email-pkpawa.cea@nic.in

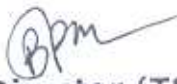
Fax-011-26108118

Sub: 28th meeting of Standing Committee on Power System Planning in Western Region.

Ref: Your letter No.26/10/2002-SP&PA/15-26 dated 23rd December 2008.

Comments on the Mom of the 28th meeting of Standing Committee on Power System Planning in Western Region held on 6th December 2008 at Aurangabad are enclosed herewith. May kindly take necessary action on the comments.

Encl: as above.


Executive Director (T&P-PMU)
MPPTCL, Jabalpur.

Copy to:

1. The ED(L&RA), MPTRADECO, Jabalpur.

AK
24/2/09

Sub: Comments on Mom of the 28th meeting of the Standing Committee on Power System Planning held on 6th December 2008 at Aurangabad, Maharashtra.

Para 2.1

It was decided to provide details of WR transmission schemes already sanctioned in the month of July 2007. The same list has not yet been made available before the WRPC meeting. An incomplete list has been received on 19-01-09. This list does not show allocation of various beneficiaries from the power station for which transmission system was planned.

Para 2.2

Implementation of a scheme approved in 2004 has not commenced even in 2009. If such is the priority then in all fairness sufficient time may be allowed for study before sanctioning new schemes.

Para 2.3

The line length between Mundra and Dehgam was known earlier also. This again appears to be a case of hurried sanctioning of schemes.

Para 2.4

Again this is a case of not providing needed time to the constituents and officers working in Power Grid and CEA.

Para 3.1

"WR constituents agreed to share only 25% transmission charges" to be replaced by "WR constituents (except Madhya Pradesh and Chattisgarh) agreed to share only 25% transmission charges."

Para 4

It is proposed to prepare a priority list of transmission system based on present progress of various generation projects. This list must be updated quarterly and circulated to all the constituents of WRPC for information and further updation.

Para 4.2 B

"Jharsuguda-Dharamjaygarh-Jabalpur pooling-Bina-Indore-Vadodara" should be changed as "Jharsuguda-Jabalpur pooling-Bhopal-Indore-Vadodara".

Para 4.2 C

It is proposed to replace "Bina-Galior-Jaipur 765 kV line" to "Bina-Jaipur 765kV line". Line length will reduce if direct line is laid between Bina & Jaipur.

Para 4.3

It is requested to please provide peak demand details considered for each constituent of WRPC and load generation balance details for each State.

Para 4.6

There is a need to prepare priority list for implementation of transmission system.

Para 4.7

What are the security arrangements for getting paid the transmission charges? If any generator does not pay will the additional burden be absorbed by Power Grid. If answer of this question is no then what are the arrangement to get payment by M/s Power Grid.

Para 4.9

There is no surety about the capacity of Vindhyachal Power Station proposed by NTPC. How can we plan for transmission system when installed capacity of power house is not finalized?

Para 4.14

A list should be prepared based on status of the project indicating the time frame under which project will get completed. This list may be updated every quarter and circulated to the constituents of WRPC for information and updation. Power evacuation system for each project may be planned one by one. This will enable each constituent to know the amount being paid by them for drawing power from a project.

Para 5.0

Here also time frame must be indicated for each transmission line, substation and powerhouse and share of beneficiaries from each project.

Para 12.0

Summary of open access cases has not been received before WRPC meeting. The details were provided to WRPC first and to the committee members later. This is not proper.