



Chhattisgarh State Electricity Regulatory Commission

Shanti Nagar, Irrigation Colony, Raipur - 492 007 (C.G.)

Ph. 0771-4048788, Fax: 2445857

Website: www.cserc.gov.in, E-mail: cserc.sec.cg@nic.in

Petition No. 59 of 2016

In the Matter of

Review of the Order dated 26.03.2016 in the matter of Capital Investment Plan FY 2016-17 to 2020-21 in respect of CSPTCL.

Chhattisgarh State Power Transmission Company Limited ... **Petitioner**

**Present: Narayan Singh, Chairman
Arun Kumar Sharma, Member**

ORDER

(Passed on 04.04.2018)

Chhattisgarh State Power Transmission Company (hereafter 'CSPTCL') a Govt. of C.G. undertaking is the State Transmission Utility and is responsible for undertaking transmission activities in the State. The present Petition has been filed as per Regulation 23 of the Chhattisgarh State Electricity Regulatory Commission (Conduct Of Business) Regulations, 2009, as amended from time to time.

- 2.** Commission had notified the CSERC (Terms & Conditions) Regulation 2015 (hereafter 'MYT Regulations 2015') which were made applicable for the third control period i. e. from FY 2016-17 to FY 2020-21.
- 3.** In accordance with the provisions of MYT Regulations 2015, CSPTCL filed petition on 30.11.2015 before the Commission in the matter of Capital Investment Plan FY 2016-17 to FY 2020-21 in respect of CSPTCL and same was registered as petition No. 101/2015(M).
- 4.** After due regulatory process, the Commission by order dated 26.03.2016 approved the Capital Investment Plan FY 2016-17 to FY 2020-21.
- 5.** The present Review Petition has been filed as per Regulation 23 of the Chhattisgarh State Electricity Regulatory Commission (Conduct of Business) Regulations, 2009.
- 6.** In this petition, CSPTCL has requested the Commission to re-consider following disallowed capital works and approve the same owing to errors arising out of inadvertent omissions:

- (i) Construction of 220KV substation Rajim and its associated 220KV transmission lines.
- (ii) Construction of LILO of 132KV Mahasamund -Rajim line at 220KV substation Paraswani + 2 no. 132KV feeder bays at 220KV substation Paraswani.

- 7.** CSPTCL submitted that scheme of 220KV Substation Rajim & its associated Transmission Lines was proposed because 132 KV substation, Rajim is functioning with 3x40 MVA transformer and also having 132KV supply arrangement to existing 132KV substation Magarload (1x40MVA) & Gariaband (1x40MVA). CSPTCL further submitted that in any contingency on 220KV part of 220KV substation Paraswani or on interconnecting lines may lead to cascade tripping which may cause total interruption to the area supplying power from the affected substations. Therefore, Considering future load growth in these area and to avoid cascade tripping, proposal for construction of 220 KV substation Rajim by up-gradation of existing 132 KV substation Rajim was submitted in the instant petition with 220 KV supply arrangement from 400 KV substation Dhamtari. This substation shall be very useful for the stability of the system and shall serve as backup to Paraswani 220KV substation in emergency conditions.
- 8.** CSPTCL reproduced the reason given by the Commission for disallowing the 220 KV Rajim Substation as under:

“While analyzing the proposal, it was found that CSPTCL has proposed two sub stations i.e. 220 KV S/s Rajim and 400/220 KV S/s at Naya Raipur. 400/220 KV S/s at Naya Raipur is not approved. If the same is required in future then a 220 KV substation may be constructed in Naya Raipur connecting the same from 400 KV substation Dhamtari. The ariel distance between 220 KV S/s Naya Raipur and Rajim would hardly be 20 Kms. As the Rajim is not very far from the Naya Raipur, therefore, two 220 KV substations so close to each other will not be beneficial. CSPTCL should explore the possibility of constructing 220/132 KV substation at Naya Raipur to meet future load requirement and Rajim may be connected through 132 KV line from NAYA Raipur 220/132 KV substation. Therefore, up-gradation of Rajim substation is at present not approved.”

- 9.** CSPTCL requested the Commission, in this review petition, to review its decision and approve the above deferred scheme on following grounds:

- i.** 400/220KV substation Raipur-II was proposed keeping in view that the work will be started by FY 2020-21 and its completion will take at least 3-4 years. As such the Substation was expected to be commissioned by 2023-24, by that time sufficient load of Naya Raipur might have developed. However CSERC has cancelled the proposal of 400KV Substation Raipur –II. Linking of 220KV substation Rajim, with the proposed 400KV substation Raipur-II (which would be commissioned after 8 to 9 years, even if considered to be approved by CSERC in the instant order) is not justified and appropriate. Transmission planning cannot be seen in the eye of distance between two substations etc. Whatever the requirement of system, we are committed to fulfill the same to have a stable & reliable transmission system as per the prevailing & future requirements.
- ii.** Existing 132KV Substation Rajim was proposed to be upgraded to 220/132/33KV Substation Rajim in CIP for 2016-21 for the purpose of strengthening of existing 132KV network between 220KV Substation Paraswani and 220KV Substation Gurur. Presently there is acute problem of load management and handling shutdowns/emergencies etc in the 132KV network in interconnecting 220KV Substation Paraswani & Gurur and 132KV Substation Dhamtari, Kurud, Rajim, Mahasamund, Magarload and Gariaband Substation. Therefore, it is felt essential to add an additional 220/132 KV source at Rajim to strengthen the existing 132KV network and for operational flexibility. By adding a new 220/132KV source at Rajim, future load growth of entire aforesaid network up to Deobhog can easily be managed and Proper voltage profile can be maintained.
- iii.** Further it is pertinent to mention here that 220KV substation, Rajim is a part of capital works to be completed by FY 2017-18 under 24x7 Power for all scheme for which Commission has already conveyed "in principle approval" vide letter dated 01.11.2015.

10. In addition to above, CSPTCL also requested to review the proposal submitted, in the original Capital Investment Plan petition, for improvement of reliability/stability of supply so as to strengthen the grid system substations and to avoid overloading of lines of existing EHV substations. Following capital works were proposed to be carried out during the current MYT control period:

SN	Particulars	Scheme Provision
1	LILO of 132 KV Mahasamund- Rajim Line at 220 KV Substation Paraswani + 2 no. 132 KV feeder bays at 220 KV substation Paraswani.	10.00
2	2nd Circuiting of 132 KV Rajnandgaon-Dongargaon Line + 1 no. 132 KV Feeder Bay at 132 KV Substation Dongargaon & Rajnandgaon (132 KV) each.	13.50
3	LI LILO of 132 KV Telkhadih- Dongargarh Line at 132 KV Subatation Dongargaon + 2 no. 132 KV feeder bays at Dongargaon Substation.	27.50
4	132 KV DCDS Line between 132 KV Substation Rawanbhata and Sarona on Monopole+ 4 no. 132 KV feeder bays (2 no. each at Sarona & Rawanbhata S/S)	17.80

11. In regards to above, CSPTCL has requested the Commission to consider/review the aforesaid system improvement works based on the justification submitted above and approve the expenditure during the current control period as proposed below on following capital work :-

Particulars	Sch Prov. In Rs Crs	Route Length/Ckt KM (in KM)	Expenditure in Rs Crs				
			FY 17	FY 18	FY 19	FY20	FY21
LILO of 132 KV Mahasamund- Rajim Line at 220 KV Substation Paraswani + 2 no. 132 KV feeder bays at 220 KV substation Paraswani.	10.00	10/20	8	2	0	0	0

12. In view of the above submission, CSPTCL has made prayer as under:

- i. Admit the present review petition and review the instant Order dated 26.03.2016 in the matter of Capital Investment Plan FY 2016-17 to FY 2020-21 in respect of CSPTCL based on submission/reason given by petitioner under the petition.
- ii. Condone any inadvertent omissions/errors/shortcomings and permit the Petitioner to add/change/modify/alter this filing and make further submissions as may be required at a future date.
- iii. Allow the Petitioner to submit necessary additional information required by the Hon'ble Commission during the processing of this petition.
- iv. In addition, pass such other and further order as are deemed fit and proper in facts and circumstances of the case.

Commission's view

- 13.** Before taking any view on the matter, it would be proper to mention here that it is well settled principle that review of a matter stipulates that it can be done only when some new and important facts were brought to the notice or some mistake or error apparent on the face of the record is found.
- 14.** CSPTCL has mentioned that the scheme of 220 KV substation, Rajim is a part of capital works to be completed by FY2017-18 under 24X7 power for all scheme for which Commission has already conveyed "in principle approval". CSPTCL has express that this fact might have been missed out while passing the order for capital investment plan approval.
- 15.** While analyzing the issue of the review of the decision taken on Construction of 220KV substation Rajim and its associated 220KV transmission lines, we found that no new fact has been brought to the notice of the Commission. Therefore, the decision related to the Construction of 220KV substation Rajim and its associated 220KV transmission lines is not being reviewed.

- 16.** While analyzing the issue of the review of the decision taken on construction of LILO of 132 KV Mahasamund- Rajim Line at 220 KV Substation Paraswani + 2 no. 132 KV feeder bays at 220 KV substation Paraswani, it was found that neither concrete justification nor any new facts have been brought to the notice of the Commission.
- 17.** Therefore, justification given by CSPTCL has already been considered while issuing main order. Hence, this issue also doesn't qualify for review.
- 18.** We order accordingly.

**Sd/-
(Arun Kumar Sharma)
Member**

**Sd/-
(Narayan Singh)
Chairman**