

**ODISHA ELECTRICITY REGULATORY COMMISSION
BIDYUT NIYAMAK BHAVAN
UNIT – VIII, BHUBANESWAR – 751 012**

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Case No.68/2014/

Date:22.12.2014

To

The Chairman-cum-Managing Director,
GRIDCO Ltd. Janpath, Bhubaneswar.

Sub: Annual Revenue Requirement & BSP Application of GRIDCO for 2015-16, Case No. 68/2014.

Sir,

On scrutiny of the above application, it has been noted that information and analysis with regard to a number of items which are extremely relevant for the purpose of scrutiny of Revenue Requirement and Tariff for the FY 2015-16 have not been furnished. An Annexure indicating items on which information/clarification are needed is enclosed.

You are hereby directed to furnish the information as per the queries raised in the said Annexure by **06.01.2015** positively. The queries raised in this letter along with the replies shall be supplied to all the persons who might purchase the documents.

Yours faithfully,

Encl: As above.

Director (RA)

Wanting Information in the ARR & BSP Application of GRIDCO for FY 2015-16

Technical

1. OPGC in its letter to GRIDCO has considered the PLF at 84.08% in its calculation of energy availability from Ib Thermal Power Station for the FY 2015-16, whereas GRIDCO has considered the same at 85.24%. The basis of considering the PLF at 85.24% by GRIDCO in its ARR application may please be intimated with supporting documents, if any.
2. GRIDCO has considered the NAPAF of all the Central Thermal Generating Stations at 83% (in place of 85%) based on the bills raised by them. Whether GRIDCO enquired about the fact that all the Central Thermal Stations are facing the problem of shortage of coal and uncertainty of assured coal supply on a sustained basis for the current and ensuring year.
3. As per the Ministry of Power, Govt. of India letter dated 03.07.2012 (not 31.07.2012 as mentioned in the application), the allocation of power for Odisha from Barh STPS Stage-I (3X660 MW) is 21.11% and that of from Stage-II (2X660 MW) is 12.57%. But in the application, GRIDCO has indicated that as per aforesaid order, GRIDCO has 12.57% share allocation from Barh-I and ERPC vide its letter dated 14.11.2014 intimated COD of Unit-IV (one unit) of Barh Stage-I from 00.00 hrs. of 15.11.2014. Further, in the application, it is also mentioned that as per the petition of NTPC before CERC, the 2nd unit of Barh Stage=II would be commercially operated from 30.06.2015. In view of the above, GRIDCO may clarify that whether the generating unit of Barh STPS commercially operated on 15.11.2014 is under Stage-I or Stage-II and the 2nd unit which is scheduled to be commercially operated on 30.06.2015 is under stage=I or stage-II. The said letter dated 14.11.2014 of ERPC may be furnished.
4. In respect of Central Generating Stations (both for Thermal and Hydro), GRIDCO may submit the latest share allocation for Odisha made by the Ministry of Power along with present installed capacity.
5. The latest monthly REA prepared by ERPC may be furnished.

6. The energy bills for the month of October & November, 2014 of all the generators (both state & central sector) supplying power to GRIDCO along with all enclosures may be submitted. Similarly, the bills for the month of Oct and Nov, 2014 in respect of PGCIL transmission charges, SOC, MOC and ULDC charges may be furnished.
7. GRIDCO has proposed to draw solar power from the following sources during FY 2015-16.

Sl No.	Solar RE Sources	Energy Proposed for procurement during FY 2015-16 (MU)
1	8 Nos. of Solar PV projects of 1 MW each under RPSSGP	13
2	15 MW from NVVN through 'New Projects Scheme' under JNNSM (Phase-1).	25
3	10 MW through NTPC from each of 5 MW Solar PV projects at Dadri & Faridabad	17
4	5 MW from M/s Alex Green Energy Ltd. through OREDA State Scheme	8
5	25 MW from M/s ACME Odisha Solar Power Pvt. Ltd.	42
6	30 MW through Solar energy Corporation of India (SECI) under JNNSM (Phase-II, Batch-I)	22
Total		127

The actual quantum of power procured from solar sources during FY 2012-13, FY 2013-14 and FY 2014-15 (up to Nov., 2014) may be furnished source-wise in the above table format.

8. GRIDCO has proposed to procure 100 MU of bio-mass energy from M/s Salivahan Green Energy Ltd. during FY 2015-16 which is not in operation from January, 2013. GRIDCO may submit a status report on the operation of the said bio-mass plant as well as the present status of the Biomass plant of M/s Octant Industries, from which GRIDCO has proposed to procure 66 MU of Biomass energy during FY 2015-16.
9. The quantum of power purchased from the different non-solar renewable sources (Small Hydro, Bio-mass etc.) during the FY 2010-11 (audited), 2011-12 (audited), 2012-13 (audited), 2013-14 (audited) and 2014-15 (provisional up to November, 2014) may be furnished separately station-wise.

10. GRIDCO may intimate about any pending proposal to purchase power in near future from other renewable sources such as Wind, Municipal Solid Waste (MSW) and Bagasee based co-generation etc., along with the status of PPA to that respect.
11. At para 1.5(b)(iii) of the BSP application, GRIDCO has proposed to procure 1224.62 MU of energy from the Co-generation plants during the FY 2015-16. The list of the co-generation plants from which power will be procured during FY 2015-16 is shown in the T-1 format; the co-generation status of these plants may be furnished along with the information sought in the table below. Further, total quantum of Co-generation power purchased by GRIDCO during FY 2012-13, 2013-14 and 2014-15 (upto November, 2014) may be furnished.

Name of the CGP having Co-gen facility	Total installed capacity (in MW)	Co-generation capacity (in MW)	Total Power purchased (MU)	Co-generation power purchased (MU)	Remarks (if any)

12. It is observed in T-1 format filed by GRIDCO that drawl of GRIDCO from different Co-generation plants during FY 2012-13 and 2013-14 are 173.63 MU and 221.13 MU respectively. Whereas for FY 2015-16, GRIDCO has projected to purchase 1224.62 MU from Co-generation Plants. GRIDCO should furnish the details of the projector drawl from individual Co-generation plants for FY 2015-16, the list of which is indicated in T-1 format. Whether there is any commitment from Co-generation plant in this regard.
13. At para 1.6 of the BSP application, GRIDCO has indicated that all the four units (4 x 600 MW) of M/s Sesa Sterlite Ltd. (SSL) and all the three units (3 X 350 MW) of M/s GMR Kamalanga Energy Ltd. (GKEL) have been commercially operated. Also, one unit (600 MW) of M/s Jindal India Thermal Power Ltd (JITPL) and one unit (64 MW) of M/s Nava Bharat Ventures Ltd. (NBVL) have already been commissioned. Further, another unit (600 MW) of M/s JITPL, one unit (700 MW) of M/s Ind-Barath Energy (Utkal) Ltd., and one unit (60MW) of M/s Maa Durga Thermal Power Company Ltd., are expected to be commissioned during the current FY 2014-15.

GRIDCO may intimate the State's share of all these IPPs as per the PPA with regard to the State Thermal Policy along with the status of coal linkage of these IPPs and status of transmission facility to avail the entire state's share of energy from these IPPs. Further,

GRIDCO should furnish the details of IPPs to be installed in Odisha in the format given below:

Name of IPP and Place of Installation	Status of PPA	Installed capacity with configuration (as per PPA/ MoU)	No. of units already commissioned and date of commissioning	Proposed date of commissioning of balance units	State's share	Status of coal linkage	Status of connectivity (STU/CTU)

14. The total generation figures and state share of the existing IPPs are not shown in the T-1 format, which may be furnished.
15. The annual average Plant Availability Factor (PAF) of the thermal power stations (both Central and State) are not shown in the T-1 format. The same for the last two financial years may be furnished.
16. GRIDCO has proposed the tariff for Teesta power station at 302.37p/u. Copy of CERC order in support of this may be submitted.
17. At para -168 of the Commission's order dated 20.03.2013 passed in Case No.101/2012 (ARR & BSP order for FY 2013-14), the Commission had directed GRIDCO to take up the matter with NTPC on the issue of blending of high cost e-auction/imported coal for generation by NTPC stations (specifically pit-head stations) and if necessary to take up the matter with regional fora and CERC, keeping in view the interest of the consumers of the State. The present status of the issue may be intimated along with the present and price of the coal and CGV (both domestic and e-auction/imported) used in different ER-NTPC stations (including TTPS) for the period for 2013-14 & 2014-15 (up to date).
18. For the FY 2015-16, GRIDCO has projected different percentage of Transmission Loss in the EREB system in respect of power procurement from different Central Generating Stations. A note on the basis of such calculation along with station wise computation sheets may be submitted to justify the same. Further, the actual loss in the Central Transmission System for the year 2013-14 and 2014-15 (upto date) may be furnished.
19. Item-wise statement for FY 2013-14 and FY 2014-15 (uptodate) in respect of 3rd part of the bills towards levy of year-end charges of PGCIL (under POC charges) may be furnished.
20. The order issued by the appropriate authority for payment of ULDC and Communication charges may be furnished. Further, the total claim on this account and payment made by GRIDCO for the FY 2013-14 may be furnished.

21. GRIDCO has proposed an amount of Rs.324.47 crore towards POC charges in Bill # 01 in ARR of FY 2015-16. CERC order in this respect may be furnished. The status of appeal filed by GRIDCO at different fora on payment of POC charges may be furnished.
22. The amount received by GRIDCO towards STOA charges for the FY 2013-14 and FY 2014-15 (uptodate) may be furnished.
23. Monthly pooled cost of power purchase by GRIDCO from the month of April 2014 to November 2014 & cumulative figure up to November 2013 may be furnished.
24. In T-18 format submitted in the Application the data for FY 2014-15 (upto date) is not fill in. The same may be filled in and furnished.
25. The following formats are not submitted along with the application. The same may be filled in and submitted to the Commission.
 - T – 2: Schedule of Maintenance of Generators
 - T – 6: Tariff for State Thermal Station
 - T – 7: Power purchase from CGPs and Renewable Sources.
 - T – 8: Power Purchase from Central Hydro Stations.
 - T – 9: Tariff computation for central Sector Thermal stations.
 - T – 10: Energy Chare Rate (ECR)
 - T – 11: Transmission Tariff for PGCIL Transmission System
 - T – 12: Transmission Charges for Central Sector Power
 - T – 14: Year-end Charges of GRIDCO

Finance

26. The audited annual accounts of GRIDCO for the year 2013-14 may be submitted.
27. In Format F-2, GRIDCO has indicated for availing a loan amounting to Rs.500 crore from OMC during FY 2014-15. The purpose of availing such loan may be mentioned.
28. Details of terms and conditions of loan availed during the financial years 2012-13, 2013-14 and 2014-15 (actual upto November 2014) along with calculation of interest on the above loan may be submitted in electronic copy.
29. Actual cash outflow on account of Pay, GP, DA, HRA etc. of employees of GRIDCO for the year 2014-15 (from April 2014 to November 2014) may be submitted
30. The revenue from trading of 2119.14 MU of surplus power is shown at Rs.847.66 crore in the ARR application of GRIDCO for the FY 2015-16. The cost of purchase of such power may be mentioned.
