

**BEFORE THE ORISSA ELECTRICITY REGULATORY COMMISSION
BHUBANESWAR**

**Filing No.: 02
Case No. 101/ 2012**

IN THE MATTER OF: An Application for approval of Annual Revenue Requirement (ARR) and determination of Bulk Supply Price (BSP) for the Financial Year 2013-14 under Section 86(1) (a) & (b) and all other applicable provisions of the Electricity Act, 2003 read with relevant provisions of OERC (Terms and Conditions for Determination of Tariff) Regulations, 2004, and OERC (Conduct of Business) Regulations, 2004, and other related Rules and Regulations.

AND

IN THE MATTER OF: Compliance / Clarifications by GRIDCO to the Wanting Information / Queries raised by the Hon'ble Commission with respect to ARR & BSP Application for FY 2013-14.

IN THE MATTER OF : GRIDCO Limited, Janpath, Bhubaneswar

..... Applicant

The Humble Applicant above named

MOST RESPECTFULLY SHOWETH THAT

M/s. GRIDCO Limited (GRIDCO) filed the ARR & BSP Application for FY 2013-14 before the Hon'ble Orissa electricity Regulatory Commission (OERC) on 30.11.2012. Hon'ble OERC in their letter dated 26.12.2012 sought for compliance from GRIDCO with respect to some of the Wanting Information (W.I.) / Queries in form of additional information / clarification with regard to the afore-said ARR and BSP Application filed by GRIDCO.

In the subsequent paragraphs, GRIDCO submits the following replies / compliance / clarifications on the queries / issues raised and has also made all attempts to provide the required information as sought for by the Hon'ble Commission.

W.I. No.1:

GRIDCO may submit the actual PLF achieved by the CGSs during the last two financial years and also for the current year upto November, 2012 along with the latest monthly REA prepared by ERPC. Similarly, GRIDCO may also submit the actual PLA achieved by the State Thermal Stations during the FY 2011-12 & 2012-13 (upto date)

Reply:

As desired by the Hon'ble Commission, the details of actual percentage of PLF% (i.e. cumulative availability%) achieved by the various Central Generating Stations (CGSs) and the State Thermal Stations like TTPS and OPGC during the last two financial years viz., FY 2010-11 & 2011-12 and that during the current FY 2012-13 (upto Dec'12) is furnished below:

Actual % of PLF / Cum. Availability achieved by CGSs and TTPS & OPGC

STATIONS	FY 2010-11 (%)	FY 2011-12 (%)	FY 2012-13 (Upto Dec'12) (%)
A. Central Generating Stations (CGSs):			
Farakka STPS-I&II	87.24	82.56	72.55
Farakka STPS-III	-	-	67.13
KhSTS Stg.-I	74.56	80.19	84.58
KhSTS Stg.-II	68.77	64.77	72.18
TSTPS Stg.-I	84.77	80.83	80.30
TSTPS Stg.-II	90.00	88.548	81.05
B. State Thermal Stations :			
TTPS	93.58	91.85	93.62
OPGC	85.40	78.97	83.61

The latest monthly REAs of ERPC (Eastern Regional Power Council) and that of the SRPC (Southern Regional Power Council) for December'12 in support of the same i.e. the actual PLF % or the cumulative availability % in respect of various plants, are enclosed herewith as **Annexure-1** & **Annexure-2**, respectively for kind information of the Hon'ble Commission.

W.I. No.2.

The energy bills for the month of October & November, 2012 of all the generators (both State & Central Sector) supplying power to GRIDCO along with the enclosures may be submitted.

Reply:

As desired, the energy bills of both the Central & the State Generators for the months of October'12 & November'12 along with all the relevant enclosures are attached herewith, the details of which are given in the table below:

Energy Bills of Central & State Generators for Oct.,12 & Nov.,12:

Stations	Energy Bill for	Annexure Nos.
State Sector Stations		
OHPC (All Stations)	October, 2012	3 (a) (Series)
	November, 2012	3 (b) (Series)
Meenakshi SHEP	October, 2012	4 (a)
	November, 2012	4 (b)
Samal SHEP	October, 2012	5 (a)
	November, 2012	5 (b)
OPGC	October, 2012	6 (a)
	November, 2012	6 (b)
NTPC-TTPS	October, 2012	7 (a)
	November, 2012	7 (b)
Central Sector Stations		
Chukha	October, 2012	8 (a)
	November, 2012	8 (b)
Tala	October, 2012	9 (a)
	November, 2012	9 (b)
Teesta	October, 2012	10 (a)
	November, 2012	10 (b)
FSTPS –I & II	October, 2012	11 (a)
	November, 2012	11 (b)
FSTPS –III	October, 2012	12 (a)
	November, 2012	12 (b)
TSTPS-I	October, 2012	13 (a)
	November, 2012	13 (b)
TSTPS-II	October, 2012	14 (a)
	November, 2012	14 (b)
KhSTPS-I	October, 2012	15 (a)
	November, 2012	15 (b)
KhSTPS-II	October, 2012	16 (a)
	November, 2012	16 (b)

W.I. No 3.

In respect of Central Generating Stations (both for Thermal and Hydro), GRIDCO may submit the latest share allocation to the State by the Ministry of Power along with present installed capacity.

Reply:

The present Installed Capacity in respect of *Central Generating Stations* (both for Thermal and Hydro) and the latest share allocation in favour of Odisha (GRIDCO) from such Plants as indicated in the REA (Regional Energy Accounting) Bill for the month of December, 2012 prepared by Eastern Regional Power Committee (ERPC) is given below for kind information of the Hon'ble Commission:

Share Allocation from CGSs in favour of Odisha (GRIDCO)

Name of the CGSs	Installed Capacity (MW)	Share Allocation to GRIDCO out of Installed Capacity (%)	Total (MW)
Farakka STPS-I&II	1600 (3X200+2X500)	13.63	218.08
Farakka STPS-III	500 (1x500)	23.74	100.907
KhSTS Stg.-I	840 (4x210)	15.24	128.016
KhSTS Stg.-II	1500 (3X500)	2.05	30.75
TSTPS Stg.-I	1000 (2X500)	31.80	318
TSTPS Stg.-II	2000 (4X500)	10.00	200
Sub-Total (Central Thermal) (A)	7440		995.753
Chukka HEP	336(4X84) (ER Allocation=270)	15.19	41
Tala HEP	1020 (6X170)	4.25	43.35
Teesta HEP	510 (3X170)	20.59	105
Sub-Total (Central Hydro) (B)	1866		189.35
Grand Total (A+B)	9306		1185.103

It is submitted that the letter of the Ministry of Power indicating the latest share allocation to the State is not yet received at GRIDCO's end. Therefore, a copy of the REA for December'12 which also indicates the latest central share allocation in favour of Odisha based on which NTPC / NHPC bills GRIDCO, has been enclosed herewith as **Annexure-1 & 2.**

Besides the above share, GRIDCO has been availing additional 50 MW of power from FSTPS-III from NTPC's share of 75 MW merchant power w.e.f. 01.09.2012 by executing the necessary PPA with NTPC.

W.I. No.4.

At Para 1.7 of the BSP Application, GRIDCO has indicated that 6 Nos. of Generating Units out of which 3 Nos. of IPPs are expected to be commissioned during 2013-14. The present status of such IPPs may be furnished. Similarly, the present status on progress of the work of the IPPs scheduled for commissioning during the FY 2013-14 may also be furnished.

Reply:

The up-dated status of the following up-coming IPPs are enclosed herewith for kind information of the Hon'ble Commission:

Sl. No.	Name of the IPPs	Annexure No.
1.	M/s. Navabharat Power Private Ltd.	17
2.	M/s. Monnet Power Company Ltd.	18
3.	M/s. Maa Durga Power Company Ltd.	19
4.	M/s. Lanco Babandh Power Ltd.	20
5.	M/s. Jindal India Thermal Power Ltd.	21
6.	M/s. GMR Kamalanga Energy Ltd.	22
7.	M/s. KVK Nilachal Power Private Ltd.	23

W.I. No.5

The quantum of power purchased from the different renewable sources (Small Hydro, Bio-mass, Solar and Co-generation) during the FY 2010-11 (audited), 2011-12 (audited) and 2012-13 (Provisional up to November, 2012) may be furnished separately.

Reply:

As desired, the quantum of power purchased from the different renewable sources (Small Hydro, Bio-mass, Solar and Co-generation) during the FY 2010-11 (audited), 2011-12 (audited) and 2012-13 (Provisional up to November, 2012) as furnished separately in the Table below:

Particulars Renewable Energy	2010-11 (Audited)		2011-12 (Audited)		2012-13 (Apr'12 to Nov.'12) (Provisional)	
	Drawal (MU)	Power Purchase Cost (Rs. Crore)	Drawal (MU)	Power Purchase Cost (Rs. Crore)	Drawal (MU)	Power Purchase Cost (Rs. Crore)
Co-Generation	781.361	204.511	936.647	202.572	508.324	117.279
Solar	0.000	0.000	91.619	4.240	27.495	14.909
Biomass	0.000	0.000	19.955	9.013	35.985	17.273
Small Hydro	249.721	80.062	253.790	120.019	196.577	72.340
Total	1031.082	284.573	1302.011	335.844	768.381	221.801

However, the total energy procurement (audited) during FY 2010-11 & that for FY 2011-12 (audited) and also for FY 2012-13 (April'12 to Nov.'12) (provisional) including the drawal from SHEP, CGP & Co-Gen. Sources are enclosed herewith as **Annexure-24, Annexure-25 & Annexure-26**, respectively for kind perusal of the Hon'ble Commission.

W.I. No.6

The basis of calculation of the proposed drawal from the CGPs and Co-generation Plants for the FY 2013-14 may be furnished.

Reply:

In order to meet the RPO towards co-generation, GRIDCO has proposed to procure 1102 MU from various Co-Generation Plants for the FY 2013-14. The same has been based on the trend of co-generation energy available from these plants for the last FY as well as the 1st six months of the current FY.

Further, it is submitted that GRIDCO has projected its energy requirement / availability based on the Merit Order Approach by taking into account the drawal from firm sources such as from the State dedicated Stations and the drawal of State share of Power from the Central Generating Stations. Besides, GRIDCO has also projected energy drawal from the existing and Upcoming IPPs during FY 2013-14.

Since the drawal from dedicated sources falls short of the energy requirement of the State during FY 2013-14, GRIDCO has also planned to procure the deficit quantum from the various CGPs & Co-Gen. Plants located in the State. As such, GRIDCO has estimated to procure 1092.04 MU of energy, being the estimated deficit quantum to be procured from CGPs during FY 2013-14.

W.I. No.7:

In Para-3 (Page-21) of the application, it is observed that the drawal of emergency power by CGPs during 1st half of the current year is shown as 166.00 MU and projection for the entire year is shown as 332.00 MU on prorated basis. But the same for the ensuing year 2013-14 has been projected at 100 MU. This may be clarified. Actual drawal (audited) by the CGPs towards emergency power for last 3 years may be furnished.

Reply:

GRIDCO is committed to supply Emergency Power to IMFA & NALCO. The drawal of such power is supposed to occur only during emergency situations (i.e. during Black start). Based on the approval of the Hon'ble Commission for FY 2012-13, GRIDCO has projected a figure of 100 MU during FY 2013-14 towards such drawal by IMFA / NALCO. It is reliably learnt that NALCO is exploring all other opportunities to reduce the drawal of emergency power in order to increase their profit.

The actual drawal (audited) by the CGPs towards emergency power for FY 2010-11, FY 2011-12 and that for FY 2012-13 (Apr.'12 to Nov.'12) (Provisional) are stated as follows:

Drawal of Emergency Power by the CGPs

CGPs	2010-11 (Audited)	2011-12 (Audited)	2012-13 (Apr'12 to Nov.'12) (Provisional)
	Drawal (MU)	Drawal (MU)	Drawal (MU)
NALCO	173.470485	233.401327	194.014000
IMFA	0.129800	13.243065	0.647000
Arati Steels Ltd.	0.000000	0.000000	0.057000
Total	173.600285	246.644392	194.718000

W.I. No.8:

Details of Energy Charge Rate (ECR) for all the State and Central Thermal Power Stations (Month-Wise) may be furnished in the following format.

Month	2011-12			2012-13 (up to November)		
	ECR (P/U)	Coal Cost Rs./MT	GCV of Coal	ECR (P/U)	Coal Cost Rs./MT	GCV of Coal
April						
May						
.....						
February						
March						

Reply:

The details of Energy Charge Rate (ECR), Cost of Coal and Gross Calorific Value of coal for various NTPC Stations for FY 2011-12 and that for FY 2012-13 (as of December, 2012) are furnished below for kind information of the Hon'ble Commission:

Information relating to Central Generating Stations (NTPC-ER Stations):

Station:: FSTPS -I & II:						
Month	2011-12			2012-13 (up to December'12)		
	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)
April	306.9	4604.98	3943	294.2	3820.17	3409
May	364.9	5007.44	3606	298.4	3804.18	3347
June	385.4	5422.42	3697	300.4	4096.59	3581
July	373.6	5126.72	3606	296.6	3702.17	3277
August	392.2	5163.83	3460	308.3	3137.18	2672
September	382.9	5086	3490	296.9	3184.02	2816
October	315.3	4309.53	3591	224.9	2412.51	2816
November	304.3	3865.72	3338	179.2	2095	3070
December	268.3	3402.86	3332	163.3	1878.91	3021
January	307.3	3928.89	3359			
February	281.1	3318.63	3102			
March	268.9	3337.12	3261			

Station:: FSTPS-III:						
Month	2011-12			2012-13 (up to December'12)		
	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)
April				291.7	3820.17	3409
May				295.8	3804.18	3347
June				297.7	4096.59	3581
July				294	3702.17	3277
August				305.6	3117.18	2672
September				294.3	3184.02	2816
October				223	2412.51	2816
November				177.6	2095	3070
December				161.9	1878.91	3021
January						
February						
March						

Station:: KhSTPS-I:						
Month	2011-12			2012-13 (up to December'12)		
	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)
April	256	2602.96	2782	217.8	2161.37	2716
May	235.2	2407.54	2801	229.5	2301.63	2744
June	308.2	2956.87	2625	248.9	2553.09	2807
July	287.2	2768.62	2638	276.4	2674.82	2648
August	305.8	3224.31	2885	226.6	1982.79	2394
September	342.9	3734.56	2980	228.6	2081.46	2491
October	312	3477.11	3050	205.4	1875.3	2631
November	239.3	2428.61	2777	132.9	1327.6	2732
December	224.9	2178.55	2651	169	1633.26	2645
January	230.7	2311.33	2742			
March	247.9	2533.46	2796			

Station:: KhSTPS-II:						
Month	2011-12			2012-13 (up to December)		
	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)
April	241.9	2602.96	2782	205.6	2161.67	2716
May	222.2	2407.54	2801	216.7	2301.63	2744
June	291.2	2956.87	2625	234.9	2553.09	2807
July	271.3	2768.62	2638	260.9	2674.82	2648
August	288.8	3224.31	2885	213.9	1982.79	2394
September	323.9	3734.56	2980	215.8	2081.46	2491
October	294.7	3477.11	3050	193.9	1979.3	2631
November	226.1	2428.61	2777	125.5	1327.36	2732
December	212.4	2178.55	2651	159.5	1633.26	2645
January	217.9	2311.33	2742			
February	221.8	2317.65	2701			
March	234.2	2533.46	2796			

Station:: TSTPS-I:						
Month	2011-12			2012-13 (up to December)		
	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)
April	164.3	2033.3	3199.2	158.7	1935.66	3151.1
May	191.6	2257.65	3046.5	175.8	2105.5	3094.5
June	230.8	2661.05	2980.7	162	1761.8	2809.5
July	261.5	3089.99	3054.9	159.7	1738.22	2811.9
August	276	3165.22	2964.4	122.4	1252.1	2642.9
September	249.9	3023.1	3127.1	113.8	1225.62	2781.2
October	273.4	3134.59	2963.4	153.2	1720.44	2901.7
November	204.8	2331.97	2943.6	158	1765.07	2886.9
December	169.2	1902.67	2906.2	132	1525.51	2985.2
January	161.3	1885.38	3020.5			
February	159.8	1933.54	3127			
March	148.1	1921.8	3353.4			

TSTPS -II						
Month	2011-12			2012-13 (upto December)		
	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)	ECR (P/U)	Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)
<i>April</i>	<i>164.4</i>	<i>2033.3</i>	<i>3199.2</i>	<i>158.7</i>	<i>1935.66</i>	<i>3151.1</i>
<i>May</i>	<i>161.7</i>	<i>2257.65</i>	<i>3046.5</i>	<i>175.8</i>	<i>2105.5</i>	<i>3094.5</i>
<i>June</i>	<i>231</i>	<i>2661.05</i>	<i>2980.7</i>	<i>162</i>	<i>1761.8</i>	<i>2809.5</i>
<i>July</i>	<i>261.7</i>	<i>3089.99</i>	<i>3054.9</i>	<i>159.7</i>	<i>1738.22</i>	<i>2811.9</i>
<i>August</i>	<i>276.2</i>	<i>3165.22</i>	<i>2964.4</i>	<i>122.4</i>	<i>1252.11</i>	<i>2642.9</i>
<i>September</i>	<i>250.1</i>	<i>3023.1</i>	<i>3127.1</i>	<i>113.8</i>	<i>1225.62</i>	<i>2781.2</i>
<i>October</i>	<i>273.7</i>	<i>3134.59</i>	<i>2963.4</i>	<i>153.2</i>	<i>1720.44</i>	<i>2901.7</i>
<i>November</i>	<i>205</i>	<i>2331.97</i>	<i>2943.6</i>	<i>158</i>	<i>1765.07</i>	<i>2886.9</i>
<i>December</i>	<i>169.4</i>	<i>1902.67</i>	<i>2906.2</i>	<i>132</i>	<i>1525.51</i>	<i>2985.2</i>
<i>January</i>	<i>161.5</i>	<i>1885.38</i>	<i>3020.5</i>			
<i>February</i>	<i>160</i>	<i>1933.54</i>	<i>3127</i>			
<i>March</i>	<i>148.3</i>	<i>1921.8</i>	<i>3353.4</i>			

Talcher Thermal Power Station (TTPS):								
Month	2011-12				2012-13 (up to December)			
	ECR (P/U)		Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)	ECR (P/U)		Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)
	Base Rate	FPA			Base Rate	FPA		
April	46.05	63.13	1055.5	3522	46.05	101.08	995.65	3460
May	46.05	59.98	1037.2	3525	46.05	101.07	983.52	3459
June	46.05	48.48	904.67	3489	46.05	60.19	981.56	3454
July	46.05	56.06	960.57	3477	46.05	61.36	1009.65	3464
August	46.05	51.72	927.69	3465	46.05	56.91	963.16	3452
September	46.05	48.6	878.86	3465	46.05	57.97	953.67	3443
October	46.05	47.03	875.24	3463	46.05	61.34	977.48	3436
November	46.05	50.71	910.86	3482	46.05	66.79	1037.33	3454
December	46.05	52.95	940.69	3503	46.05	68.33	1094.43	3464
January	46.05	55.68	972.07	3503				
February	46.05	60.01	1014.4	3474				
March	46.05	62.22	1028.8	3453				

Information relating to State Generating Station (OPGC):

OPGC								
Month	2011-12				2012-13 (up to December)			
	ECR (P/U)		Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)	ECR (P/U)		Coal Cost (Rs/MT)	GCV of Coal (Kcal/Kg)
	Base Rate	FPA			Base Rate	FPA		
April	86.46	9.3006	895.63	2959	105.6	-2.4227	896.12	2851
May	86.46	11.143	893.68	2888	105.6	-8.7646	885.91	3044
June	86.46	11.9373	892.73	2858	105.6	24.5501	1197.05	2896
July	86.46	14.8752	892.21	2761	105.6	14.0899	998.1	2662
August	86.46	11.502	891.89	2870	105.6	6.5281	930.79	2681
September	86.46	25.9263	891.84	2452	105.6	4.0945	893.64	2642
October	86.46	13.4885	891.83	2804				
November	86.46	17.5305	891.83	2679				
December	86.46	7.9637	891.83	2995				
January	86.46	28.2228	942.48	2488				
February	86.46	7.2362	870.26	2949				
March	86.46	18.3618	915.8	2726				

W.I. No. 9:

The power purchased cost for 2011-12 has been shown as Rs. 4997.79 Crore in TRT-22; where as in TRF-5 the same is shown as Rs. 5213.00 Crore. The discrepancies may be clarified.

Reply:

It is submitted that the power purchase cost of Rs.4997.79 Crore for FY 2011-12 shown in TRT-22 was based on the provisional Pool Cost for FY 2011-12, while the same was revised to Rs.5213.00 Crore in the finalized audited Accounts for FY 2011-12. Accordingly, the audited figures of Power Purchase Quantum and cost for FY 2011-12 may be considered as given under:

Audited & Final Power Purchase Quantum & Cost for FY 2011-12

Generators	Energy (MU)	AMOUNT (Rs. Crore)
Hirakud	649.7273640	52.2511127
CHIPLIMA	326.8883710	21.2892376
RENGALI	846.7260000	48.8270928
BALIMELA	1021.0190000	73.1095771
Upper Kolab	593.1999660	25.1880897
Sub Total	3437.5607010	220.6651099
Indravati	1382.9460000	136.0553557
Machakund	224.0020000	4.9408121
Sub Total	5044.508701	361.661278
Electricity Duty		0.301658
Water Cess		4.139402
SLDC Charges		1.744045
Application & Publication Fee		0.270000
Reconciliation		-9.753723
Total State Hydro Availability	5044.508701	358.362659
OPGC	2635.4800000	490.9033748
TTPS	3322.5595100	593.4443111
TTPS -UI	19.5996330	5.4249706
Meenakshi Small Hydro	163.1820000	83.2226210
Samal Small Hydro	90.6083000	36.7962080
Solar	91.6187060	4.2398902
Biomass	19.9550000	9.0128437
Sterllite IPP	1958.1537900	512.8689764
ARATI STEEL IPP	64.8040000	30.3480247
POSOCO		3.4979351
Total	8365.9609390	1769.7591556

Generators	Energy (MU)	AMOUNT (Rs. Crore)
Co- Generating Stations		
NINL	104.3280000	24.3005727
ARATI STEEL	78.772000	16.8261888
Tata Sponge	88.2500000	25.0794327
SMC Power	15.0388800	3.5508127
Pattnaik Steel, Polasponga	19.0467000	4.7168229
IFFCO	17.3260000	4.4349113
VISA Steel	197.5270000	47.5039522
VEDANTA, Lanjigarh	23.8680000	6.9978023
SHYAM DRI	43.4860000	10.3316241
BHUSAN Steel Ltd.	107.7640000	16.9787896
SREE Mahavir Ferro Alloys.	4.9076000	0.6019652
Action Ispat	25.1510400	5.5918368
Aryan Ispat	57.0330000	14.7698524
NALCO	45.3135660	6.7069395
HINDALCO	39.4160000	8.3783064
RSP	18.6210000	3.4833245
NBVL, Meramundali	106.8275300	27.4483578
Vedant , Budhipadar (Jharsuguda)	163.0400000	12.1959898
Jindal Stainless Ltd., Duburi	176.6519170	37.6406694
SCAW	14.3876000	3.8403839
Bhusan S&P, Jharsuguda	86.4640000	18.1314628
IMFA	3.3905110	0.8418971
Rathi Steel & Power	14.4309000	3.1857894
Dinabandhu Power & Steel Ltd.	1.1856000	0.1757393
Maheswari	4.0930000	1.0489457
OSISL, Polasponga	13.7959000	3.1993594
Maithan ISPAT	18.0340000	3.3075609
MSP Metallics	26.8946930	6.6677986
Jain Steel & Power	3.1707000	0.4786937
Jindal Steel & Power	452.4260950	126.3204997
Facor	0.0780000	0.0092622
Shree Ganesh	6.8410000	1.7507466
Total	1977.5602320	446.4962904
StateTotal	15388.0298720	2574.6181053
TSTPS St-I	2110.8130600	629.4483424
TSTPS St-II	1454.6279250	412.9557759
FSTPS	1461.1076900	617.4704661
KhTPS St-I	818.4111100	336.1769022
KhTPS St-II	163.2196400	62.6273951
Total Central Availability	6008.1794250	2058.6788817
CHUKHA	260.3898670	41.4019890
Tala HPS	144.7846360	26.7780553
Teesta-V	520.2393600	205.5421748
Total Central Hydro Availability	925.4138630	273.7222191
Trading of power through PXIL ltd	6.5246200	2.0861971
Trading of power through IEEEX ltd	31.3868800	10.3777532
UI EREB	469.3030800	114.2331167
Wheeling Charges		179.2834924
TOTAL	22828.8377400	5212.9997655

W.I. No. 10

Date of commercial operation of FSTPS Stage-III and share of Odisha State may please be submitted.

Reply:

It is submitted that the date of commercial operation of the **FSTPS-III** is 01.04.2012. Odisha has been allocated a share of 23.74% of energy from this Station by the Ministry of Power, Govt. of India which is equivalent to 100.907 MW of power.

A copy of the REA for the month of December'12 depicting the share allocation in favour of Odisha from this Station based on which NTPC bills GRIDCO is enclosed as **Annexure-1**.

Besides above, GRIDCO has also executed a PPA with the NTPC to purchase additional 50 MW of power from FSTPS-III w.e.f. 01.09.2012 from NTPC's share of 75 MW of merchant power for two years.

W.I. No. 11

The Central Sector loss calculated by GRIDCO for different Generating Stations may please be submitted.

Reply:

The relevant documents in support of the Central Sector loss along with the calculation of such loss by GRIDCO for different Generating Stations are attached herewith as **Annexure-27**, for kind perusal of the Hon'ble Commission.

W.I. No. 12

GRIDCO has proposed the tariff for Teesta power station at 222.80 p/u. CERC order in support of this may be submitted.

Reply:

CERC vide its Order dated 05.12.2011 in Petition No. 82 of 2011 has allowed Provisional Annual Fixed Charges relating to TEESTA-V HEP for the period from 2009-10 to 2013-14 with Rs.466.16 Crore as Provisional Fixed Charges for FY 2013-14 as claimed by Teesta-V Project which is subject to the truing-up as per the CERC Regulation-6 of the 2009 Regulations **(Annexure - 28)**.

However, CERC vide its Order dated 21/06/2011 has inserted a new clause numbered 15 (5) as per which the generating company shall recover the short-fall or refund the excess AFC (Annual Fixed Charges) on account of return on equity due to change in applicable Minimum Alternate / Corporate Income Tax Rate as per the Income Tax Act 1961 (as amended from time to time) of the respective FY directly without making any application before the Commission **(Annexure – 28A)**.

With reference to the above said Clause 15 (5), NHPC has revised the AFC on its own from the FY2009-10 to 2012-13, pending finalization of tariff of Teesta–V HEP by the CERC and accordingly, has been billing to GRIDCO **(Annexure– 28 B)**.

However, the Minimum Alternate / Corporate Income Tax Rate is yet to be declared for the F.Y. 2013-14 and also the tariff components of Teesta – V project for the said F.Y. are also not known to us at this point of time.

Against the above backdrop, GRIDCO has proposed the tariff for FY 2013-14 as 222.80 (P/U) for TEESTA –V HEP by doubling the modified Energy Charge Rate (M-ECR) for the FY 2012-13 i.e. 111.40 (P/U) as 222.80 P/U (111.40 P/U x 2). The relevant documents such as the bill for December 2012 in support of the M-ECR as 111.40 P/U is enclosed at **Annexure–28 C**.

Besides, it is submitted that the present actual rate (as per the provisional Pool Cost for the period from April, 2012 to November, 2012) for Teesta Power is calculated as 251.83 P/U. Thus, the proposed rate of 222.80 P/U towards the tariff for Teesta-V for FY 2013-14, may be considered as fair and reasonable.

W.I. No. 13

The proposed rate for Tala power & Chukha Power may be supported with evidential documents.

Reply:

The relevant documents in support of the proposed rate of Chukha Power & Tala Power are placed as **Annexure-29 and Annexure-30**, respectively

W.I. No. 14

For the FY 2013-14, 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. Further, the actual loss in the Central Transmission System for the year 2011-12 and 2012-13 (upto date) may be furnished.

Reply:

It is submitted that the Central Electricity Regulatory Commission (CERC) vide its Order dtd. 29.06.2011, has notified the Point of Connection (PoC) Charges and Transmission Losses in accordance with the CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2010. In the aforesaid Notification, Hon'ble CERC mentioned the applicable PoC loss slabs for different injection and withdrawal zones. As per the Clause-7 of the said Order, the average slabs for each Region shall be applied based on last week's actual Regional Losses. The actual Regional Losses for various Generating Zones as well as Injection Zones are calculated by NLDC / ERLDC and displayed in the respective Websites.

Based on the weekly data, the Average Total Loss in percentages (%) has been calculated by summing the Generation Zone Losses and GRIDCO's withdrawal loss%. The Weighted Average Loss in percentages (%) has been calculated

considering the allocation of GRIDCO from various Generating Stations with respect to the Installed Capacity. As desired, the **actual loss** in the Central Transmission System for the year 2011-12 and 2012-13 (upto date) is enclosed herewith as **Annexure-27 & Annexure-31**, respectively for kind reference.

W.I. No. 15

The status of payment to PGCIL based on POC charge method and status of writ petition filed by GRIDCO in the High Court may be submitted.

Reply:

GRIDCO had filed a Writ Petition before Hon'ble High Court of Orissa challenging the CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2010, being W.P.(C) No. 29250 of 2011. In the mean time, based upon the Petition filed by PGCIL in this regard, Hon'ble Supreme Court of India transferred the matter to Hon'ble High Court of Delhi by the Order dtd. 07.05.2012. The matter was listed before the Hon'ble High Court of Delhi on 19.09.2012, 24.09.2012 and 20.11.2012. However, till date Hon'ble High Court of Delhi has not given any directions on the matter.

Since the matter is sub-judice, GRIDCO is making payment to PGCIL on Pre-PoC method amounting to Rs.10.80 Crore by recasting the amount towards Transmission Charges.

W.I. No. 16

PGCIL has claimed the transmission charge for central sector power procurement based on approved POC rate with effect from July 2011. GRIDCO should submit a comparative analysis of previous method and present method of calculation of transmission charges along with a brief note.

Reply:

It is submitted that in the earlier Postage Stamp Method of levying Transmission Charges from various Beneficiaries, the Cost per MW for assets of PGCIL was constant for the concerned Region and the beneficiaries were paying the dues as per their allocation of share from the Central Generating Stations.

In the new methodology of sharing Transmission Charges and Losses which is known as "Point of Connection" (PoC) Method, the PoC Rates are determined in Rs./MW/Month for different Injection Zones and Drawal zones for every six months in a year. Beneficiaries have to pay the Generation PoC Charges and the Drawal PoC Charges as per their allocation from the Central Generating Stations. A detailed calculation sheet, both for the Pre-PoC and PoC Charges are enclosed as **Annexure-32 and Annexure-33**, respectively for kind reference by the Hon'ble Commission.

W.I. No. 17

Monthly Pooled Cost of power purchase by GRIDCO from the month of April 2012 to November 2012 & cumulative figure up to November 2012 may be furnished.

Reply:

The relevant documents in support of the Monthly Pooled Cost of power purchase by GRIDCO for the period from April'12 to November'12 and the cumulative figure upto November, 2012 (considering the latest revisions / changes in the ER Figures) are attached herewith as **Annexure-34**.

W.I. No. 18

The following TRT formats are not filled in. The same may be filled in and resubmitted to the Commission.

TRT – 3: Assessment of `consumption.

TRT – 4: Monthly assessment of consumption.

TRT – 5: Assessment of Demand.

TRT – 25: Details of Export.

Reply:

It is submitted that due to non-availability of the corresponding software in its Energy Billing Centre (EBC), GRIDCO is not in a position to generate the requisite data for preparation of TRT-3, 4 & 6. However, the details of the trading (export) figures in the TRT-25 has been attached herewith as **Annexure-35 (Series)**.

W.I. No. 19

Month wise Cash Flow Statement for the Financial Year 2011-12 along with 2012-13 (Actual upto November 2012) may be submitted.

Reply:

As desired, the Month-wise Cash Flow Statements of GRIDCO pertaining to the FY 2011-12 and that for the FY 2012-13 (Actual upto November'12) are attached herewith as **Annexure-36 & Annexure-37**, respectively for kind information of the Hon'ble Commission.

W.I. No. 20

Total amount of escrow relaxed by GRIDCO to DISCOMs under different head such as Salary, R&M etc., may be submitted for FY 2012-13 (Month-wise upto November, 2012)

Reply:

The month-wise detailed Statement on the amount of Escrow relaxed by GRIDCO for the FY 2012-13 (Actual upto November, 2012) under different heads such as, Salary (Employees Cost), R&M Charges etc. is attached herewith as **Annexure-38**.

W.I. No. 21

In TRF-3, the GRIDCO proposes to borrow an amount of Rs.1150 Crore during FY 2012-13. The actual receipt of loan till November, 2012 may be mentioned.

Reply:

It is submitted that out of the proposal to borrow Rs.1150 Crore during FY 2012-13 (In fact, GRIDCO proposes to borrow Rs.1190 Crore during FY 2012-13), GRIDCO has already borrowed Rs.590 Crore upto December, 2012 consisting of borrowings of Rs.50 Crore by way of private placement of bonds availed during May, 2012, Rs.40 Crore from OPTCL Leave Encashment Benefits Trust during September, 2012 and Rs.500 Crore from M/s. OMC Ltd. during December, 2012. Necessary arrangements are already on to avail another Rs.600 Crore loan through private placement of Bonds by 31st March, 2013.

W.I. No. 22

Details of terms and conditions of loans availed during FY 2011-12 and 2012-13 along with calculation of interest on the above loans may be submitted in electronic copy.

Reply:

The amount and the detailed terms and conditions of loans availed during FY 2011-12 and FY 2012-13 including the proposed borrowings are stated and attached as under:

Loans availed during FY 2011-12:

Sl. No.	Particulars	Term Loan Availed (Rs. Crore)	Sanctioned Amount (Rs. Crore)	Annexure Nos.
1.	Union Bank of India	90.00	190.00	39
2.	Canara Bank	100.00	200.00	40
3.	Andhra Bank	106.29	200.00	41
4.	CPA Adjustment	162.77	-	42 (Series)
5.	Private Placement of Bonds by GRIDCO (GRIDCO Pension Trust & OPTCL Leave Encashment Benefits Trust)	100.00	-	43

Loans availed & proposed to be availed during FY 2012-13:

Sl. No.	Particulars	Term Loan Availed (Rs. Crore)	Sanctioned Amount (Rs. Crore)	Annexure Nos.
1.	Private Placement of Bonds by GRIDCO	50.00	-	44
2.	Odisha Mining Corporation Ltd. (OMC)	500.00	-	45
3.	Private Placement of Bonds by GRIDCO (GRIDCO Pension Trust & OPTCL Leave Encashment Benefits Trust)	40.00	-	46
3.	Proposed Borrowing through Private Placement of Bonds by 31.03.2013	600.00	-	47
4.	Total	1190.00	-	

The hard as well as the electronic copies of the terms and conditions of the afore-said borrowings are attached herewith as per the above **Annexures**. The calculation of Interest on account of such borrowings is reflected in TRF-3 which has already been submitted to the Hon'ble Commission in the ARR & BSP Application for 2013-14 on 30.11.2012.

W.I. No. 23

As revealed from the audited data for FY 2011-12, an amount of Rs.139.88 Crore of receivable has been written off from the books of account. Details of such receivable and reason for writing off of such receivable may be furnished.

Reply:

It is submitted that GRIDCO has written-off Rs.12.80 Crore, being the receivable towards the Year-end Adjustment Charges billed to CESU for FY 2000-01 from its Books of Accounts pursuant to the judgement of Appellate Tribunal for Electricity (APTEL), New Delhi dated 17.02.2012 in Appeal No.157 of 2009 filed by GRIDCO. Similarly, GRIDCO has also written-off Rs. 146.51 Crore towards Interest on Rs 400 Crore NTPC Bonds chargeable to the Reliance Managed DISCOMs following the Hon'ble OERC the decision of the 143rd Board of Directors' Meeting held on 25.04.2012. Copies of the respective documents are enclosed herewith as

Annexure-48 (APTEL Order dated 17.02.2012) & **Annexure-49** (OERC Order Dated 29 & 30.12.2012), respectively.

Particulars	Amount (Rs. Crore)
CESU (Pursuant to the APTEL Judgement Dated 17.02.2012 in Appeal No.157 of 2009 filed by GRIDCO Ltd.	12.80
Interest on NTPC Rs 400 Crore (Pursuant to the OERC Order Dated 29.03.2012 & 30.01.2012 in Case No.107 of 2011)	146.51
Sub-Total	159.31
Provision towards cost of power written back	(-) 19.43
Total	139.88

W.I. No. 24

Actual Cash Outflow on account of Pay, G.P., DA, HRA etc. of employees of GRIDCO for the FY 2012-13 (From April 2012 to November, 2012) may be submitted.

Reply:

As desired by the Hon'ble Commission, the actual Cash outgo on account of pay, GP, DA, ADA, and HRA etc. of employees of GRIDCO for the months from April, 2012 to November, 2012 is furnished and attached herewith as **Annexure-50**.

W.I. No. 25

The proposed revenue from sales of surplus power including UI and revenue from sale of CPPs has been shown as NIL for the FY 2013-14, whereas GRIDCO earned an amount of Rs.346.49 Crore (193.58 + 152.01) Crore during 2011-12 and proposed to earn Rs.312.35 Crore (153.92 + 158.43) Crore during 2012-13.

The reason for not projecting any revenue during FY 2013-14 may be mentioned. Also actual receipt of revenue for FY 2012-13 (actual upto November, 2012) may be submitted.

Reply:

It is kindly submitted that based on the actual figures available for FY 2011-12, GRIDCO earned an amount of Rs.346.49 Crore as revenue through UI and sale of

power from CGPs during FY 2011-12. Similarly, GRIDCO projects to earn Rs.312.35 Crore during FY 2012-13 based on the provisional Pool Cost figures upto September, 2012 and the estimate for the balance period of FY 2012-13.

With regard to projection of NIL revenue from UI & Trading during FY 2013-14, it is submitted that in the face of growing demand leading to continuing shortages of power in the State, GRIDCO does not envisage to have any surplus power which may be utilized for the purpose of UI or trading. As such, GRIDCO has not projected any revenue from such sources during FY 2013-14.

W.I. No. 26

Details of power trading by GRIDCO to different utilities and revenue earned thereof for the year 2011-12 and 2012-13 (up to date) month-wise to be submitted.

Reply:

It is submitted that the details of month-wise Power Trading undertaken by GRIDCO for FY 2011-12 & FY 2012-13 (upto December,2012) have been reflected in **TRT-25**. The same has been attached as **Annexure-35 (Series)**.

ADDITIONAL SUBMISSION:

Apart from the above submissions, GRIDCO submits the following information in respect of TTPS which may kindly be taken into record in place of our earlier submissions in the ARR & BSP Application for FY 2013-14 as detailed below:

Arrear Payment to NTPC in respect of TTPS:

In its ARR & BSP Application for FY 2013-14 submitted on 30.11.2012, GRIDCO at **Para 10.01** has stated arrear payment of Rs.9.3972410 Crore against FPA (Fuel Price Adjustment) revision to NTPC. **The said amount may be revised to Rs.9.4077224 Crore and out of this amount NTPC has credited an amount of Rs.1.1300254 Crore to GRIDCO in its bill for the month of December 2012 (which it has taken through LC from GRIDCO) in compliance to Hon'ble Supreme Court of India (SCI) order in Civil Appeal No. 5415 of 2012. Thus,**

the arrear amount of Rs.9.3972410 Crore gets revised to Rs.8.2776970 Crore and the total arrear claim becomes Rs.97.5825157 Crore instead of Rs.98.7125411 Crore.

As this arrear amount also forms a part of the Arrear of Rs.682.85 Crore (1/3rd of which has been factored in the proposed ARR for FY 2013-14), the same is now proposed to be revised to Rs.681.72 Crore in place of Rs.682.85 Crore.

Prayer

In view of the foregoing, GRIDCO requests the Hon'ble Commission to kindly consider the above replies of GRIDCO to be the part of the ARR & BSP Application for FY 2013-14 and accordingly, take cognizance of such facts / information / cost implications like the increase in power purchase cost as detailed particularly in reply to Queries / Wanting Information stated herein above while approving and finalizing the ARR & BSP for FY 2013-14 for which GRIDCO, as is duty bound, shall ever pray.

**BY THE APPLICANT
THROUGH**

**Bhubaneswar
January ____, 2013**

**Director (F&CA)
GRIDCO Limited**

**BEFORE THE ORISSA ELECTRICITY REGULATORY COMMISSION
BHUBANESWAR**

**Filing No.: 02
Case No. 101/ 2012**

IN THE MATTER OF: An Application for approval of Annual Revenue Requirement (ARR) and determination of Bulk Supply Price (BSP) for the Financial Year 2013-14 under Section 86(1) (a) & (b) and all other applicable provisions of the Electricity Act, 2003 read with relevant provisions of OERC (Terms and Conditions for Determination of Tariff) Regulations, 2004, and OERC (Conduct of Business) Regulations, 2004, and other related Rules and Regulations.

AND

IN THE MATTER OF: Compliance / Clarifications by GRIDCO to the Wanting Information / Queries raised by the Hon'ble Commission with respect to ARR & BSP Application for FY 2013-14.

IN THE MATTER OF : GRIDCO Limited, Janpath, Bhubaneswar

..... **Applicant**

Affidavit verifying the Application

I, Shri Bibhu Prasad Mohapatra, aged about 53 years, S/o Shri Sarangdhar Mohapatra, Director (Finance & Corporate Affairs), GRIDCO do hereby solemnly affirm and say as follows:

I am the Director (Finance & Corporate Affairs) of GRIDCO Ltd., the applicant in the above matter and am duly authorized to make this affidavit on its behalf.

The replies made in the foregoing paragraphs in response to W.I. No. 1 to W.I. No. 26 raised by Hon'ble Commission vide their letter No. 4603 dated 26.12.2012 and additional submissions with respect to GRIDCO's ARR & BSP Application for FY 2013-14 herein above now are based on information and I believe them to be true.

**Bhubaneswar
January _____, 2013**

DEPONENT