

**BEFORE THE CHHATTISGARH STATE ELECTRICITY REGULATORY  
COMMISSION, RAIPUR**

**CASE NO. 62/2017 (T)**

**IN THE MATTER OF:**

Petition for Determination of Variable Cost 4x300 MW Coal Based Power Project in Korba District, Chhattisgarh

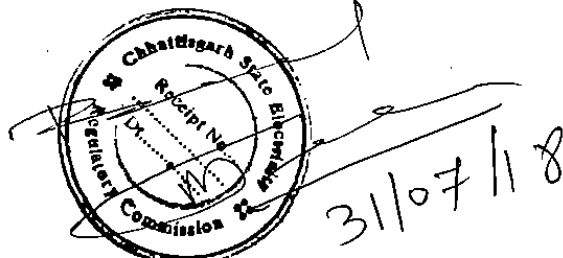
**AND IN THE MATTER OF:**

Petition under Sections 61, 62, 64, 86(1)(a), 86(1)(b), 86(1)(f) and 86(1)(k) of the Electricity Act, 2003 read with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014 and its subsequent amendments for Determination of Variable Cost of the 4x300 MW Coal Based Power Project at Village-Risoda of Tehsil Korba in Korba District, Chhattisgarh

- a) For FY 2015-16 in accordance with the Chhattisgarh State Electricity Regulatory Commission (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2012;
- b) For the period FY 2016-17 to FY 2020-21 i.e., the MYT period in accordance with the Chhattisgarh State Electricity Regulatory Commission (Terms and Conditions for determination of tariff according to Multi-year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2015.

**AND IN THE MATTER OF:**

M/s Bharat Aluminium Company Limited



Registered Office:  
Aluminium Sadan, Core- 6, Scope Office Complex,  
7, Lodi Road, New Delhi - 110003

**Also at (for the purpose of service of notice):**  
P.O- Balco Nagar,  
Korba- 495684

**...PETITIONER**

**Versus**

1. Chhattisgarh State Power Trading Company Limited  
Vidyut Sewa Bhawan Daganiya,  
Raipur- 492013 **...RESPONDENT NO. 1**
2. Chhattisgarh State Power Distribution Company Limited  
Vidyut Sewa Bhawan Daganiya,  
Raipur- 492013 **...RESPONDENT NO. 2**

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**BEFORE THE CHHATTISGARH STATE ELECTRICITY REGULATORY  
COMMISSION, RAIPUR**

CASE NO. 62/2017 (T)

**IN THE MATTER OF:**

M/s Bharat Aluminium  
Company Limited

**Versus**

**...PETITIONER**

Chhattisgarh State Power  
Trading Company Limited & Anr.

**...RESPONDENTS**

**IN THE MATTER OF:**

Petition for Determination of Variable Cost 4x300 MW Coal Based Power  
Project in Korba District, Chhattisgarh

**AND IN THE MATTER OF:**

Petition under Sections 61, 62, 64, 86(1)(a), 86(1)(b), 86(1)(f) and  
86(1)(k) of the Electricity Act, 2003 read with the Central Electricity  
Regulatory Commission (Terms and Conditions of Tariff) Regulations,  
2014 and its subsequent amendments for Determination of Variable Cost  
of the 4x300 MW Coal Based Power Project at Village-Risoda of Tehsil  
Korba in Korba District, Chhattisgarh

- a) For FY 2015-16 in accordance with the Chhattisgarh State Electricity  
Regulatory Commission (Terms and Conditions for determination of  
tariff according to Multi-Year Tariff principles and Methodology and  
Procedure for determination of Expected revenue from Tariff and  
Charges) Regulations, 2012;

- b) For the period FY 2016-17 to FY 2020-21 i.e., the MYT period in accordance with the Chhattisgarh State Electricity Regulatory Commission (Terms and Conditions for determination of tariff according to Multi-year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2015.

**SUPPLEMENTARY INFORMATION FOR DETERMINATION OF VARIABLE COST OF 4X300 MW COAL BASED POWER PROJECT IN KORBA DISTRICT, CHHATTISGARH FOR THE PERIOD FY 2015-16, FY 2016-17 & FY 2017-18**

**MOST RESPECTFULLY SHOWETH:**

1. The Petitioner, M/s Bharat Aluminium Company Limited (BALCO), is a company incorporated under the provisions of Companies Act, 1956, having its registered office at Aluminium Sadan, Core- 6, Scope Office Complex, 7, Lodi Road, New Delhi- 110003. The Petitioner had entered into a Memorandum of Understanding (MoU) on 07.10.2006 with the Government of Chhattisgarh, and Chhattisgarh State Electricity Board, for setting up of a Coal based thermal power plant of about 1200 MW in the State of Chhattisgarh. Subsequently, the Petitioner set up the said power plant at Village Risa of Tehsil Korba in Korba District in Chhattisgarh.
2. The Petitioner has filed a Petition No. 62 of 2017 (T) vide affidavit dated 27.09.2017, for Determination of Variable Cost for sale of 5% of net power (gross power generated minus the auxiliary consumption) sent out from the 4x300 MW Coal Based Power Project at Village-Risa of Tehsil Korba in Korba District, Chhattisgarh (hereinafter referred to as the "Project") the Energy

(variable) Charges as determined by the Hon'ble Chhattisgarh State Electricity Regulatory Commission (hereinafter referred to as "CSERC" or the "State Commission").

3. The Petitioner has duly furnished all the relevant details pertaining to the Project, the Implementation Agreement, Commercial Operation Date, Fuel Supply Agreement, and the Power Purchase/Sale Agreement.
4. It is pertinent to mention the Petitioner has a Fuel Supply Agreement (FSA) for coal procurement with South Eastern Coalfields Limited (hereinafter referred to as "SECL"). The FSA was executed between SECL and the Petitioner on 28.8.2013 in respect of the Letter of Assurance (LoA) issued for 26,00,600 tonnes of coal. Vide an addendum (Addendum #2) dated 30.9.2015, the FSA was executed for 2,60,060 tonnes of coal towards 60 MW (20% of Unit-1 capacity) capacity for supply to Chhattisgarh State Power Trading Company Limited (CSPTadeco) for the long term power sale requirement. Further, through another addendum (Addendum #3) dated 6.10.2017, the FSA for generation and sale to CSPTadeco was revised to 1,30,030 tonnes. Balance coal for supply of power to CSPTadeco under the PPA is being procured from the open market.
5. In pursuance of the directions of Hon'ble Chhattisgarh State Electricity Regulatory Commission (CSERC) vide its letter dated 17.4.2018, the Petitioner is filing the instant supplementary information for Determination of Variable Cost of the Project for FY 2015-16, FY 2016-17 & FY 2017-18 for sale of power to CSPTadeco.

6. It is humbly submitted that the Variable Cost for FY 2015-16 shall be determined as per Chhattisgarh State Electricity Regulatory Commission (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2012 (hereinafter referred to as "Tariff Regulations, 2012) and Variable Cost for FY 2016-17 to FY 2020-21 shall be determined as per Chhattisgarh State Electricity Regulatory Commission (Terms and Conditions for determination of tariff according to Multi-year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2015 (hereinafter referred to as "Tariff Regulations, 2015. It is submitted that the Variable/Energy charges as per the said Regulations are a pass through, which has also been upheld by the Hon'ble Appellate Tribunal for Electricity ('APTEL ') in catena of Judgments.
7. The Petitioner has duly filled in the Tariff filing forms and these are being annexed hereto and marked as **Annexure- P1**.
8. **Energy Charge for 2015-16, 2016-17 & 2017-18-**

Considering the normative operational parameters and prices and calorific values of fuels, the Petitioner submits that the eligible energy charges in FY 2015-16, 2016-17 & 2017-18 are to the tune of 176.62 paise per kWh, 167.15 paise per kWh and 193.67 paise per kWh respectively for procurement of power by the Respondents from the Petitioner's generating station.

**Table: Energy Charges**

<b>Description</b>	<b>Unit</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18 H1</b>	<b>2017-18 H2</b>
Gross Station Heat Rate	kCal/kWh	2,344	2,344	2,344	2,344
Auxiliary Energy Consumption	%	7.50%	7.50%	7.50%	7.50%
Secondary Fuel Oil Consumption	ml/kWh	0.50	0.50	0.50	0.50
Weighted Average GCV of Oil	kCal/ltr	10,372	10,266	10,423	10,489
Weighted Average GCV of Coal	kCal/kg	3,489	3,468	3,399	3,389
Weighted Average Price of Oil	Rs/KL	27,520	34,665	37,471	41,744
Weighted Average Price of Coal	Rs/tonne	2,417	2,267	2,282	2,755
Rate of Energy Charge ex-bus	Paise /kWh	176.62	167.15	173.42	208.65

**9. Other Fuel Related Charges / Variable Charges**

The Petitioner has incurred Rs. 23.76 lakh, Rs. 1.10 cr. & Rs. 1.06 cr. during 2015-16, 2016-17 & 2017-18 respectively on account of water charges corresponding to the power scheduled to CSPTradeco. The copies of invoices for water is being annexed hereto and marked as **Annexure- P2**.

It may not be out of place to mention that the SLDC charges, if any are also recoverable in terms of Article 8.2.1 of the PPA.

Accordingly, it is respectfully prayed that the Hon'ble Commission may kindly allow **recovery of water charges, water tax, SLDC charges** and any similar charge as applicable from time to time on actual basis from the beneficiary.

**a) Statutory Charges**

The Petitioner humbly requests the Hon'ble Commission that statutory charges, duties and taxes such as **electricity duty on sale of power and on auxiliary consumption, environment development cess** may be allowed as separate pass-through based on actual incurred basis as they are variable in nature and directly linked with the generation from the power station. These are statutory in nature and restricting such expenses is beyond the control of the Petitioner.

**b) Interest on Working Capital**

The Petitioner submits that it is eligible for interest on working capital @6.96 paise/kWh, @6.59 paise/kWh, @6.84 paise/kWh and @8.23 paise/kWh during 2015-16, 2016-17, 2017-18 H1 and 2017-18 H2 respectively. The detailed computations with regard to the interest on working capital are contained in the tariff forms.

10. It is submitted that the Petitioner has already paid the requisite filing fee and the details of the same are being furnished as **Annexure- P3**.



11. It is further submitted that there is some delay in filing the present set of data and information since the Petitioner had to compile and update the data and revise the Petition, which took considerable time. The delay has occurred on account of reasons beyond the control of Petitioner and may be condoned in the interest of justice.


**PRAYER**

12. In view of the above, the Petitioner most respectfully prays that this Hon'ble Commission may be pleased to:
- a. Determine the Variable Cost for supply to CSPTradeco from the Project of the Petitioner for FY 2015- 16 in terms of Tariff Regulations, 2012;
  - b. Determine the Variable Cost for supply to CSPTradeco from the Project of the Petitioner for FY 2016-17 to FY 2020-21 in terms of Tariff Regulation, 2015;
  - c. allow an amount of 176.62 paise per kWh, 167.15 paise per kWh, 173.42 paise per kWh and 208.65 paise per kWh being the energy charges in FY 2015-16, FY 2016-17, FY 2017-18 H1 and FY 2017-18 H2 onwards, in terms described in the Petition, for supply of power by the Petitioner to the Respondent in terms of PPA dated 19.1.2015;
  - d. allow reimbursement of other Fuel Related Charges / Variable Charges as may be applicable from time to time;
  - e. allow statutory charges, duties and taxes as a pass-through based on actual incurred basis;
  - f. allow interest on working capital @6.96 paise/kWh, @6.59 paise/kWh, @6.84 paise/kWh and @8.23 paise/kWh during 2015-16, 2016-17, 2017-18 H1 and 2017-18 H2 respectively from the beneficiary;

- g. allow actual recovery towards filing and publication fees and other charges as is currently estimated in the Petition directly from the beneficiary in line with Clause 82 of the CSERC Tariff Regulations, 2015;
- h. allow the Petitioner to make adjustments on account of any variation in the GCV of received coal/ secondary oil, on a monthly basis or suggest a suitable mechanism for such adjustment;
- i. allow the Petitioner to claim expenses towards ash handling and disposal system, mandated under statutory requirements. The same is a continuous process and an integral part of generation;
- j. allow the Petitioner to amend the petition and/ or file such other additional documents/ explanations etc. as may be necessary to support the petition;
- k. pass such further and other Orders, as the Hon'ble Commission may deem fit and proper, keeping in view the facts and circumstances of the case.

Place: Raipur

Date: 31/07/18

  
Rishabh Garg  
- Deponent  
App. for the Petitioner

(11)

REGULATORY FORMATS FOR  
ARR & TARIFF FILING BY  
GENERATING COMPANY  
(THERMAL) FOR 2015-16, 2016-  
17 & 2017-18

Annexure I				
INDEX OF REGULATORY COMPLIANCE FORMATS FOR ARI & TARI FILING BY GENERATING COMPANIES				
Form No.	Title of Tariff Filing Forms (Thermal)	Based on Actual data	Based on Actual plus Projected data	Based on Projections
S1	Profit & Loss Account	FY 11 to FY 15	FY16	FY 17 to FY21
S2	Balance Sheet	FY 11 to FY 15	FY16	FY 17 to FY21
S3	Cash Flow statement	FY 11 to FY 15	FY16	FY 17 to FY21
Financial Forecasts				
FORM-1	ARR	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-2	Plant Characteristics	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-3	Normative parameters considered for tariff computations	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-4	Details of Foreign loans	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-4 A	Details of Foreign Equity	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-5	Abstract of Admitted Capital Cost for the existing projects	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-5A	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-5B	Break-up of Capital Cost for Coal/Lignite based projects	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-5D	Break-up of Construction/Supply/Service packages	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-6	Financial Package upto COD	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-7	Details of Project Specific Loans	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-8	Details of Allocation of corporate loans to various projects	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-9	Statement of Additional Capitalisation after COD	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-9 A	Statement of Capital cost	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-9B	Statement of Capital Work in Progress	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-10	Financing of Additional Capitalisation	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-11	Calculation of Depreciation Rate	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-11	Asset Wise Yearwise Details of Depreciation	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-12	Statement of Depreciation	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-13	Calculation of Weighted Average Rate of Interest on Actual Loans	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-13A	Calculation of Interest on Normative Loan	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-13 B	Calculation of Interest on Working Capital	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-13 C	Loan Details and interest calculations	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-14	Draw Down Schedule for Calculation of IDC & Financing Charges	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-14A	Actual cash expenditure	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-15	Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-16	Details/Information regarding Grant and Subsidies	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-17	Details/Information regarding Non - Tariff income	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-18	Expenses for SLDC's fees & charges	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-19	Repair & Maintenance Expenditure	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-20	Employee Cost and Provisions	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-21	Administration & General Expenses	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-22	Statement of Assets Not in Use	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-23	Investments	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-24	Statement of Sundry Debtors and provision for Bad & Doubtful Debts	FY 11 to FY 15	FY16	FY 17 to FY21
FORM-25	Details of Expenses Capitalised	FY 11 to FY 15	FY16	FY 17 to FY21
Other Information/ Documents				
Sl. No.	Information/Documents	Tick		
1	Certificate of Incorporation, Certificate for Commencement of Business, Memorandum of Association & Articles of Association (For New Station setup by a company)			
2	Particulars and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures on COD of the Station for the new station & for the			
3	Copies of relevant laws/Agreements			
4	Copies of the approval of Competent Authority for the			
5	Copies of the Sanction/consent/Agreements and necessary approval for the foreign equity			
6	Copies of the BPSA/PPA with the beneficiaries, if any			
7	Detailed data on the station, all loans and cost over run if applicable			
8	Any other relevant information. (Please specify)			

FORM-F1							
ANNUAL REVENUE REQUIREMENT OF GENERATING POWER STATION							
Name of the Company: BHARAT ALUMINIUM COMPANY LTD							
Name of the Power Station: BHARAT ALUMINIUM COMPANY LTD							
SN	Particulars	FY 16	FY 17	FY 18 H1	FY 18 H2	FY 19	FY 20
1	Annual Capacity (Fixed) Charges						
1.1	Depreciation						
1.2	Interest on Loan and Finance charges						
	Less: Interest & other expenses capitalised						
1.3	Return on Equity						
1.4	Interest on Working Capital						
1.5	O & M Expenses						
	1.5.1 Employee Costs						
	1.5.2 Repair and Maint. Expenses						
	1.5.3 Admin & Gen Costs						
1.6	Secondary fuel oil cost						
1.7	Compensation Allowance (If applicable)						
1.8	Special allowance (If applicable)						
1.9	Miscellaneous expenses such as SLDC charges etc.						
1.10	Less - Non Tariff Income ( including miscellaneous receipt such as UI charges, Interest on FD etc). Penalty from Contractor / supplier						
1.11	ANNUAL CAPACITY CHARGES						
2	Energy (Fuel) Charge						
2.1	Fuel charges for Scheduled Generation						
2.2	Scheduled Generation as per NPAF						
2.3	Energy Charge Rate ex-bus( Paise / kWh)	176.618	167.149	173.420	208.648		
2.4	Total Annual Energy Charge						
3	Average Cost of Energy (fixed+fuel) in (Rs./Unit) on SG and At NPAF						
4	Net Annual Revenue Requirement						
5	Actual revenue Realised as per tariff ( in case of Previous						
6	Shortfall / Excess of Revenue ( in case of Previous Years)						

FORM-F2				
Plant Characteristics				
Name of the Company: BHARAT ALUMINIUM COMPANY LTD				
Name of the Power Station: BHARAT ALUMINIUM COMPANY LTD				
Unit(s)/Block(s) Parameters	Unit-1	Unit-2	Unit-3	Unit-4
Main Steam Pressure at Turbine Inlet (kg/Cm2) absl.	169.99	169.99	169.99	169.99
Temperature 0C				
-At Superheater Outlet	541	541	541	541
-At Reheater Outlet	541	541	541	541
Main Steam Temperature at Turbine inlet (*C)*	538	538	538	538
Reheat Steam Temperature at Turbine Inlet (*C)*	538	538	538	538
Guaranteed Design Heat rate (kCal/kWh)				
Conditions on which guaranteed*				
% MCR	100	100	100	100
% Makeup	1	1	1	1
Design Fuel	Design Coal GCV = 3300 kCal/kWh Worst Coal GCV = 3000 kCal/kWh			
Design cooling water Temperature	32.5	32.5	32.5	32.5
Back Pressure	10.2	10.2	10.2	10.2
Guaranteed Turbine Cycle Heat rate (kCal/kWh)	1940	1940	1940	1940
Design/Guaranteed Boiler Efficiency (%)	86.5	86.5	86.5	86.5
*Note: In case guaranteed unit heat rate is not available then furnish the guaranteed turbine cycle heat rate and guaranteed boiler efficiency separately along with condition of guarantee/Latest PG test report.				
Type of cooling Tower	Induced Draft Cooling tower			
Installed Capacity (IC)	300	300	300	300
Date of Commercial Operation (COD)	10-Jul-15	29-Mar-16	27-Nov-15	12-Mar-16
Type of cooling system1	Closed circuit cooling			
Type of Boiler Feed Pump2	One Motor driven & 2 Turbine driven Boiler feed pump			
Fuel Details3				
-Primary Fuel	Coal			
-Secondary Fuel	Oil			
-Alternate Fuels	NA			
Special Features/Site Specific Features4				
Special Technological Features5				
Environmental Regulation related features6	ESP & Fabric Filter			
Any other special features				
1 Closed circuit cooling, once through cooling, natural draft cooling, induced draft cooling etc.				
2 Motor driven, Steam turbine driven etc.				
3 Coal or natural gas or naphtha or lignite etc.				
4 Any site specific feature such as Merry-Go-Round, Vicinity to sea, Inlake /makeup water systems etc. scrubbers etc. Specify all such features.				
5 Environmental regulation related features like FGD, ESP etc.				
* At Turbine MCR condition				
Note1: In case of deviation from specified conditions in Regulation, correction curve of manufacturer may also be submitted.				
Note2: Heat Balance Diagrams has to be submitted along with above information incase of new stations.				
				PETITIONER

FORM-F3							
Normative parameters considered for tariff computations							
Name of the Company: BHARAT ALUMINIUM COMPANY LTD							
Name of the Power Station: BHARAT ALUMINIUM COMPANY LTD							
Particulars	Unit	FY16	FY17	FY18 H1	FY18 H2	FY19	FY20
		Guaranteed Design heat rate	kCal/kWh	2,243	2,243	2,243	2,243
Base Rate of Return on Equity	%						
Tax Rate	%						
Target Availability	%						
PLF	%	85%	85%	85%	85%		
Auxiliary Energy Consumption	%	7.50%	7.50%	7.50%	7.50%		
Gross Station Heat Rate	kCal/kWh	2,344	2,344	2,344	2,344		
Specific Fuel Oil Consumption	ml/kWh	0.50	0.50	0.50	0.50		
Transit and handling losses	in %	0.01	0.01	0.01	0.01		
Cost of Coal/Lignite for working capital (WC)	in Months	0.49	0.49	0.49	0.49		
Cost of Main Secondary Fuel Oil for WC	in Months	2.00	2.00	2.00	2.00		
Fuel Cost for WC	in Months	1.02	0.99	0.99	0.99		
Liquid Fuel Stock for WC	in Months						
O & M expenses	Rs / MW						
Maintenance Spares for WC	% of O&M						
Receivables for WC	in Months	2.00	2.00	2.00	2.00		
Prime lending Rate of SBI as on .....	%						
1For Coal based/Lignite based generating stations				PETITIONER			
2For Gas Turbine/Combined Cycle generating stations duly taking into							
3 Mention relevant date							



FORM-13 B							
Calculation of Interest on Normative Working Loan							
Name of the Company: BHARAT ALUMINIUM COMPANY LTD							
Name of the Power Station: BHARAT ALUMINIUM COMPANY LTD							
Sl. No.	Particulars	(Rs.Cr.)					
		2015-16	2016-17	2017-18 H1	2017-18 H2	2018-19	2019-20
1	2	3	4	5	5	7	8
1	Cost of Coal (for stock)	30.24	28.46	29.51	71.08		
	Cost of Coal (for generation)	60.48	56.92	59.02	142.15		
2	Cost of Mcin Secondary Fuel Oil	1.03	1.29	1.40	3.11		
3	Fuel Cost	-	-	-	-		
4	Liquid Fuel Stock	-	-	-	-		
5	O & M Expenses	-	-	-	-		
6	Maintenance Spares	-	-	-	-		
7	Recievables	121.98	115.12	119.44	287.41		
8	Total Working Capital	213.72	201.79	209.38	503.75		
9	Rate of Interest	13.50%	13.50%	13.50%	13.50%		
10	Interest on Working Capital	28.85	27.24	28.27	68.01		

1. For Coal based generating stations.

PETITIONER



FORM-115

Details/Information to be submitted in respect of Fuel for Computation of Energy Charges														
Name of the Company: BHARAT ALUMINIUM COMPANY LTD														
Name of the Power Station: BHARAT ALUMINIUM COMPANY LTD														
Sl. No.	Month	Unit	FY 2015-16			FY 2016-17			FY 2017-18 M1			FY 2017-18 M2		
			HFD	LDO	IO	HFD	LDO	IO	HFD	LDO	IO	HFD	LDO	IO
1	Quantity of Oil supplied by Oil Company	KL	1,748	1,676	-	834	900	860	783	348	742	214	1,192	22
2	Adjustment (+/-) in quantity supplied made by Oil Company	KL												
3	Oil supplied by Oil Company (+/-)	KL	1,748	1,676	-	834	900	860	783	348	742	214	1,192	22
4	Nonretire Transit & Handling Losses	KL												
5	Net Oil Supplied (3-4)	KL	1,748	1,676	-	834	900	860	783	348	742	214	1,192	22
6	Amount charged by the Oil Company	(Rs)	3,61,60,124	5,81,18,881	-	2,31,34,980	3,48,64,425	2,15,31,832	83,00,225	1,45,12,777	60,92,790	1,35,18,248	5,38,22,516	9,45,878
7	Adjustment (+/-) in amount charged made by Oil Company	(Rs)												
8	Total amount charged (6+7)	(Rs)	3,61,60,124	5,81,18,881	-	2,31,34,980	3,48,64,425	2,15,31,832	83,00,225	1,45,12,777	60,92,790	1,35,18,248	5,38,22,516	9,45,878
9	Transportation charges by rail / ship / road transport	(Rs)												
10	Adjustment (+/-) in amount charged made by Rail/Ship/Road Transport Co. / other	(Rs)												
11	Dismantling Charges, if any	(Rs)												
12	Cost of diesel in Refueling Oil through MGR system, if applicable	(Rs)												
13	Total Transportation Charges (9+10+11+12)	(Rs)												
14	Others - Entry Tax on Oil	(Rs)												
15	Total amount charged for fuel supplied including Transportation (8+13+14)	(Rs)	3,61,60,124	5,81,18,881	-	2,31,34,980	3,48,64,425	2,15,31,832	83,00,225	1,45,12,777	60,92,790	1,35,18,248	5,38,22,516	9,45,878
16	CCV of LDO/HFO	(Rs)	10,230	10,320	-	10,217	10,469	10,072	10,282	10,688	10,101	10,234	10,028	10,060
17	Rate of LDO/HFO	(Rs/KL)	20,670	34,698	-	27,728	38,742	28,457	29,362	41,693	42,887	37,438	44,883	47,587
18	Wtd Avg Price of Secondary Fuel for the period	(Rs/KL)		27,520			34,660			37,471			41,744	
19	Wtd Avg CCV of Secondary Fuel for the period	(Rs/KL)		10,372			10,258			10,423			10,489	

PETITIONER

**Computation of Energy Charges (Additional form)**

Name of the Company: BHARAT ALUMINIUM COMPANY LTD  
 Name of the Power Station: BHARAT ALUMINIUM COMPANY LTD

Description	Unit	2015-16	2016-17	2017-18 H1	2017-18 H2
Gross Station Heat Rate	Kcal/kWh	2,344	2,344	2,344	2,344
Auxiliary Energy Consumption	%	7.50%	7.50%	7.50%	7.50%
Energy Generation - Gross	MU	-	-	-	-
Auxiliary Energy Consumption	MU	-	-	-	-
Ex-bus Energy Sent Out	MU	-	-	-	-
Specific Oil Consumption	ml/kWh	0.50	0.50	0.50	0.50
Wt. Avg. GCV of Oil	KCal/Lt	10,372	10,266	10,423	10,489
Price of Oil	Rs./KL	27,520	34,665	37,471	41,744
Wt. Avg. GCV of Coal	kCal/kg	3,489	3,468	3,399	3,389
Price of Coal	Rs./MT	2,417	2,267	2,304	2,766.92
Heat Contribution from SFO	Kcal/kWh	5.19	5.13	5.21	5.24
Oil Consumption	KL	-	-	-	-
Heat Contribution from Coal	Kcal/kWh	2,339	2,339	2,338	2,338
Specific Coal Consumption	kg/kWh	0.67	0.67	0.69	0.69
Coal Consumption	MMT	-	-	-	-
Total Cost of Oil	Rs Cr	-	-	-	-
Total Cost of Coal	Rs Cr	-	-	-	-
Total Fuel Cost	Rs Cr	-	-	-	-
Rate of Energy Charge from Secondary Fuel Oil ex-bus	Paise/kWh	1.49	1.87	2.03	2.26
Rate of Energy Charge from Coal ex-bus	Paise/kWh	175.13	165.28	171.39	206.39
Rate of Energy Charge ex-bus per kWh	Paise/kWh	176.62	167.15	173.42	208.65

**Wt. avg. ECR for 2017-18**

Total Sale to CSEB	MU		241.28
Sale to CSEB in H1	MU		94.38
Sale to CSEB in H2	MU		146.90
Rate of Energy Charge ex-bus per kWh	Paise/kWh		194.87

**Computations for Working Capital**

Energy Sent out in 1 month	MU	345	344	344	689
Cost of coal for 15 days (stock)	Rs. Cr.	30.24	28.46	29.51	71.08
Cost of coal for 30 days (generation)	Rs. Cr.	60.48	56.92	59.02	142.15
Cost of oil for 2 months	Rs. Cr.	1.03	1.29	1.40	3.11
Receivables for 2 months	Rs. Cr.	121.98	115.12	119.44	287.41
Total working capital	Rs. Cr.	213.72	201.79	209.38	503.75

PETITIONER



**Secondary Fuel Oil Summary**

**HFO Summary**

	Avg rate (Rs./kL)	Consumption Qty. (kL)	Amount (Rs.)	GCV (kCal/l)
2015-16	20,670	1,749	3,61,60,124	10,230
2016-17	27,728	834	2,31,34,980	10,217
2017-18 H1	29,302	283	83,00,225	10,282
2017-18 H2	32,638	414	1,35,15,248	10,234

**LDO Summary**

	Avg rate (Rs./kL)	Consumption Qty (kL)	Amount (Rs.)	GCV (kCal/l)
2015-16	34,669	1,676	5,81,18,891	10,520
2016-17	38,742	900	3,48,64,425	10,469
2017-18 H1	41,895	346	1,45,12,777	10,669
2017-18 H2	44,883	1,192	5,35,22,516	10,586

**Ignite oil Summary**

	Avg rate (Rs./kL)	Consumption Qty (kL)	Amount (Rs.)	GCV (kCal/l)
2015-16	-	-	-	-
2016-17	38,452	560	2,15,31,832	10,012
2017-18 H1	42,987	142	60,92,790	10,101
2017-18 H2	42,987	22	9,45,976	10,080

**Consolidated oil Summary**

	Avg rate (Rs./kL)	Consumption Qty (kL)	Amount (Rs.)	GCV (kCal/l)
2015-16	27,520	3,426	9,42,79,014	10,372
2016-17	34,665	2,294	7,95,31,238	10,266
2017-18 H1	37,471	771	2,89,05,792	10,423
2017-18 H2	41,744	1,629	6,79,83,740	10,489

PETITIONER

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कार्यालय:- कार्यपालन अभियंता, हसदेव बरॉज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)

जलकर देयक माह - अप्रैल/2016

औद्योगिक संस्थानों को जल प्रदाय हेतु

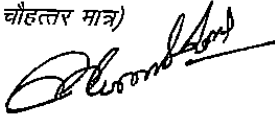
जल उपयोग करने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

1	अनुबंध दिनांक Agreement Date	22/12/15
	अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement	7 मि.घ.मी.
2	अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month	19178 घ.मी. प्रतिदिन x 30
	अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	517806.00 घ.मी.
3	वास्तविक रूप से की खपत की गई जल की मात्रा Quantity of water actually used	1189900.00 घ.मी.
4	अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
5	(अ) जलकर की मात्रा (स.क.2 या स.क.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S-N.2 or 3 which ever is more	575340.00 घ.मी x 12.25 = 7047915.00
	(ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का डेढ़ गुना Quantity of water Loses as per S.N.-4	614560.00 घ.मी x 12.25 x 1.5 = 11292540.00
6	जलकर की राशि (Amount of water Tax)	रु. 1,83,40,455.00
7	पिछला बकाया (यदि कोई हो तो) Arreas (if any)	रु. 1,21,57,219.00
8	ब्याज(यदि कोई हो तो ) Intrest (if any)	-
9	देयक की कुल राशि Total amount of Bill (7+8+9) in words	रु. 3,04,97,674.00

(रु. तीन करोड़ चार लाख सत्तानवे हजार छः सौ चौहत्तर मात्र)

  
Sub-Engineer  
Hasdeo Barrage W/M Sub Division  
Darr/Korba (C.G.)

  
Sub-Divisional Officer  
Hasdeo Barrage W/M Sub Division  
Darr/Korba (C.G.)

  
Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)

कार्यालय:- कार्यपालन अभियंता, हसदेव बरौज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)

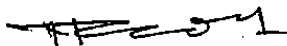
जलकर देयक माह - मई / 2016

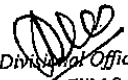
औद्योगिक संस्थानों को जल प्रदाय हेतु

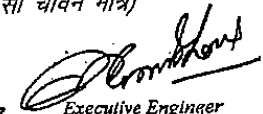
जल उपयोग करने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

1	अनुबंध दिनांक Agreement Date	22/12/15
	अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement	7 मि.घ.मी.
2	अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month	19178 घ.मी. प्रतिदिन x 31
	अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	535066.00 घ.मी.
3	वास्तविक रूप से की खपत की गई जल की मात्रा Quantity of water actually used	1086880.00 घ.मी.
4	अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
5	(अ) जलकर की मात्रा (स.क.2 या स.क.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S.N.2 or 3 which ever is more	1086880.00 घ.मी.
	(ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का डेढ़ गुना Quantity of water Loses as per S.N.-4	निरंक
	योग-	1086880.00 घ.मी.
6	जल की दर (Rate of water)	12.25 प्रति घ.मी.
7	जलकर की राशि (Amount of water Tax)	रु. 1,33,14,280.00
8	पिछला बकाया (यदि कोई हो तो) Arreas (if any)	रु. 3,04,97,674.00
9	ब्याज(यदि कोई हो तो) Intrest (if any)	-
	देयक की कुल राशि Total amount of Bill (7+8+9) in words	रु. 4,38,11,954.00

(रु. चार करोड़ अड़त्तिस लाख ग्यारह हजार नौ सौ चौवन मात्र)

  
Sub-Engineer  
Hasdeo Barrage W/M Sub Division  
Darri/Korba (C.G.)

  
Sub-Divisional Officer  
Hasdeo Barrage W/M Sub Division  
Darri/Korba (C.G.)

  
Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)



कार्यालय:- कार्यपालन अभियंता, हसदेव बरॉज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)

जलकर देयक माह - जून/2016

औद्योगिक संस्थानों को जल प्रदाय हेतु

जल उपयोग करने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

अनुबंध दिनांक Agreement Date	22/12/15
अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement	7 मि.घ.मी.
अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/06/2016 Quantity of water as per Agreement	7 मि.घ.मी.
	= 14 मि.घ.मी.
अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month	38356 घ.मी. प्रतिदिन x 30
अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	1346296.00 घ.मी.
वास्तविक रूप से की खपत की गई जल की मात्रा Quantity of water actually used	1360570.00 घ.मी.
अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
(अ) जलकर की मात्रा (स.क.2 या स.क.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S-N.2 or 3 which ever is more	1360570.00 घ.मी.
(ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का डेढ़ गुना Quantity of water Loses as per S.N.-4	निरंक
योग-	1360570.00 घ.मी.
जल की दर (Rate of water)	12.25 प्रति घ.मी.
जलकर की राशि (Amount of water Tax)	रु. 1,66,66,983.00
जलका बकाया (यदि कोई हो तो) Arreas (if any)	रु. 3,16,54,735.00
ब्याज(यदि कोई हो तो) Intrest (if any)	-
जलकर की कुल राशि Total amount of Bill (7+8+9) in words	रु. 4,83,21,718.00

(रु. चार करोड़ तिरासी लाख इक्कीस हजार सात सौ अठारह मात्र)

Engineer  
W/M Sub Division  
Rampur/Korba (C.G.)

Sub Divisional Officer  
Hasdeo Barrage W/M Sub Division  
Rampur/Korba (C.G.)

Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)

कार्यालय:- कार्यपालन अभियंता, हसदेव बरौज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)

जलकर देयक माह - सितम्बर/2016

औद्योगिक संस्थानों को जल प्रदाय हेतु

जल उपयोग करने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

1	अनुबंध दिनांक Agreement Date	22/12/15
	अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement	7 मि.घ.मी.
	अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/06/2016 Quantity of water as per Agreement	7 मि.घ.मी.
		= 14 मि.घ.मी.
2	अनुबंधित जल की मात्रा का प्रतिदिन एयं माह अनुसार Quantity of water as per Agreement per day/month	38356 घ.मी. प्रतिदिन x 30
	अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	1035612.00 घ.मी.
3	वस्तविक रूप से की खपत की गई जल की मात्रा Quantity of water actually used	1240520.00 घ.मी.
4	अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
5	(अ) जलकर की मात्रा (स.क.2 या स.क.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S-N.2 or 3 which ever is more	1240520.00 घ.मी.
	(ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का उद्घ गुना Quantity of water Loses as per S.N.-4	निरंक
	योग-	1240520.00 घ.मी.
6	जल की दर (Rate of water )	12.25 प्रति घ.मी.
7	जलकर की राशि (Amount of water Tax)	रु. 1,51,96,370.00
8	पिछला बकाया (यदि कोई हो तो) Arreas (if any)	रु. 1,58,61,913.00
9	ब्याज(यदि कोई हो तो ) Intrest (if any)	
	देयक की कुल राशि Total amount of Bill (7+8+9) in words	रु. 3,10,58,283.00

(रु. तीन करोड़ दस लाख अठ्ठावन हजार दो सौ तिरासी मात्र)

Sub- Engineer  
Hasdeo Barrage W/M Sub Division  
Darri/Korba (C.G.)

Sub Division Officer  
Hasdeo Barrage W/M Sub Division  
Darri/Korba (C.G.)

Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)

कार्यालय:- कार्यपालन अभियंता, हसदेव बरौज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)


जलकर देयक माह -अक्टूबर/2016

औद्योगिक संस्थानों को जल प्रदाय हेतु

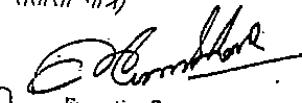
जल उपयोग करने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

	अनुबंध दिनांक Agreement Date	22/12/15
1	अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/06/2016 Quantity of water as per Agreement	7 मि.घ.मी. 7 मि.घ.मी. = 14 मि.घ.मी.
2	अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	38356 घ.मी. प्रतिदिन x 31 ✓ 1070132.00 घ.मी. ✓
3	वस्तविक रूप से की खपत की गई जल की मात्रा Quantity of water actually used	936000.00 घ.मी.
	अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
5	(अ) जलकर की मात्रा (स.क.2 या स.क.3 से गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S-N.2 or 3 which ever is more (ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का डेढ़ गुना Quantity of water Loses as per S.N.-4	1070132.00 घ.मी. निरंक
	योग-	1070132.00 घ.मी.
6	जल की दर (Rate of water)	12.25 प्रति घ.मी.
7	जलकर की राशि (Amount of water Tax)	रु. 1,31,09,117.00
8	पिछला बकाया (यदि कोई हो तो) Arreas (if any)	रु. 1,51,96,370.00
9	ब्याज(यदि कोई हो तो) Intrest (if any)	-
	देयक की कुल राशि Total amount of Bill (7+8+9) in words	रु. 2,83,05,487.00

(रु. दो करोड़ तिरासी लाख पांच हजार चार सौ सतासी मात्र)

  
Sub-Engineer  
Hasdeo Barrage W/M Sub Division  
Darr/Korba (C.G.)

  
Sub-Divisional Officer  
Hasdeo Barrage W/M Sub Division  
Darr/Korba (C.G.)

  
Executive Engineer  
Hasdeo Barrage W/M Division  
Ranipur/Korba (C.G.)

विषय:- कार्यपालन अभियंता, हसदेव बरौज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)

जलकर देयक माह - नवम्बर / 2016

आवृत्त संस्थानों को जल प्रदाय हेतु

उपयोग करने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

अनुबंध दिनांक Agreement Date	22/12/15
अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement	7 मि.घ.मी.
अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/06/2016 Quantity of water as per Agreement	7 मि.घ.मी.
	= 14 मि.घ.मी.
अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month	38356 घ.मी. प्रतिदिन x 30
अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	1035612.00 घ.मी.
वस्तुविक रूप से की खपत की गई जल की मात्रा Quantity of water actually used	874000.00 घ.मी.
अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
(अ) जलकर की मात्रा (स.क.2 या स.क.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S.N.2 or 3 which ever is more	1035612.00 घ.मी.
(ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का डेढ़ गुना Quantity of water Loses as per S.N.-4	निरंक
योग-	1035612.00 घ.मी.
जल की दर (Rate of water)	12.25 प्रति घ.मी.
जलकर की राशि (Amount of water Tax)	रु. 1,26,86,247.00
पिछला बकाया (यदि कोई हो तो) Arreas (if any)	रु. 2,83,05,487.00
ब्याज(यदि कोई हो तो) Intrest (if any)	-
देयक की कुल राशि Total amount of Bill (7+8+9) in words	रु.4,09,91,734.00

(रु. चार करोड़ नौ लाख इक्यान्वे हजार सात सौ चौतीस मात्र)

Sub-Engineer  
Hasdeo Barrage W/M Sub Division  
Darril/Korba (C.G.)

Sub Divisional Officer  
Hasdeo Barrage W/M Sub Division  
Darril/Korba (C.G.)

Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)

स्थल:- कार्यपालन अभियंता, हसदेव बरौज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)


जलकर देयक माह - दिसम्बर/2016


शुद्ध संस्थानों को जल प्रदाय हेतु

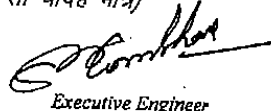
उपयोग करने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

अनुबंध दिनांक Agreement Date	22/12/15
अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement	7 मि.घ.मी.
अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/06/2016 Quantity of water as per Agreement	7 मि.घ.मी.
अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/12/2016 Quantity of water as per Agreement	7 मि.घ.मी.
	= 21 मि.घ.मी.
अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month	38356 घ.मी. प्रतिदिन x 21 दिन = 724928 57534 घ.मी. प्रतिदिन x 10 दिन = 517806 1242734.00 मि.घ.मी.
अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	1242734.00 घ.मी.
3 वास्तविक रूप से की खपत की गई जल की मात्रा Quantity of water*actually used	1403000.00 घ.मी.
4 अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
5 (अ) जलकर की मात्रा (स.क.2 या स.क.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S.N.2 or 3 which ever is more	1403000.00 घ.मी.
(ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का डेढ़ गुना Quantity of water Loses as per S.N.-4	निरंक
योग-	1403000.00 घ.मी.
6 जल की दर (Rate of water)	12.25 प्रति घ.मी.
7 जलकर की राशि (Amount of water Tax)	रु. 1,71,86,750.00
8 पिछला बकाया (यदि कोई हो तो) Arreas (if any)	रु. 2,57,95,364.00
9 व्याज(यदि कोई हो तो) Intrest (if any)	-
देयक की कुल राशि Total amount of Bill (7+8+9) in words	रु. 4,29,82,114.00

(रु. चार करोड़ उन्तीस लाख बियासी हजार एक सौ चौदह मात्र)

  
Sub-Engineer  
Hasdeo Barrage W/M Sub Division  
Darru/Korba (C.G.)

  
Sub-Divisional Officer  
Hasdeo Barrage W/M Sub Division  
Darru/Korba (C.G.)

  
Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)

"जल ही जीवन है जल की रक्षित कीजिए"

कार्यालय:- कार्यपालन अभियंता, हसदेव बरौज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)


जलकर देयक माह - जनवरी / 2017

औद्योगिक संस्थानों को जल प्रदाय हेतु

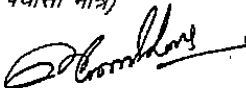
जल उपयोग करने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

	अनुबंध दिनांक Agreement Date	22/12/15
1	अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/06/2016 Quantity of water as per Agreement अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/12/2016 Quantity of water as per Agreement	7 मि.घ.मी. 7 मि.घ.मी. 7 मि.घ.मी. = 21 मि.घ.मी.
2	अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	57534 घ.मी. x31 1605199.00 घ.मी.
3	वास्तविक रूप से की खपत की गई जल की मात्रा Quantity of water actually used	1346000.00 255199.00 घ.मी.
4	अनुबंध के अनुसार जल ह्रास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
5	(अ) जलकर की मात्रा (स.क्र.2 या स.क्र.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S-N.2 or 3 which ever is more (ब) जल ह्रास की मात्रा (स.क्र.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का डेढ़ गुना Quantity of water Loses as per S.N.-4	1605199.00 घ.मी. निरंक
	योग-	1605199.00 घ.मी.
6	जल की दर (Rate of water )	12.25 प्रति घ.मी.
7	जलकर की राशि (Amount of water Tax)	रु. 1,96,63,688.00
8	पिछला बकाया (यदि कोई हो तो) Arreas (if any)	रु. 2,98,72,997.00
9	व्याज(यदि कोई हो तो ) Intrest (if any)	-
	देयक की कुल राशि Total amount of Bill (7+8+9) in words	रु. 4,95,36,685.00

(रु. चार करोड़ पंचानवे लाख छत्तीस हजार छः सौ पचासी मात्र)

  
Sub Engineer  
Hasdeo Barrage W/M Sub Division  
Darru/Korba (C.G.)

  
Sub Division Officer  
Hasdeo Barrage W/M Sub Division  
Darru/Korba (C.G.)

  
Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)

"जल ही जीवन है जल की रक्षणा कीजिए"

कार्यालय:- कार्यपालन अभियंता, हसदेव बरौज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)

जलकर देयक माह - मार्च/2017

औद्योगिक संस्थानों को जल प्रदाय हेतु

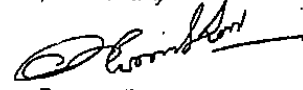
जल उपयोग करने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

	अनुबंध दिनांक Agreement Date	22/12/15
1	अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/06/2016 Quantity of water as per Agreement अनुबंधित जल की मात्रा ( 7 मि.घ.मी.) दि. 22/12/2016 Quantity of water as per Agreement	7 मि.घ.मी. 7 मि.घ.मी. 7 मि.घ.मी. = 21 मि.घ.मी.
2	अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month	57534 घ.मी. x31
	अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	1605199.00 घ.मी.
3	वास्तविक रूप से की खपत की गई जल की मात्रा Quantity of water actually used	1610000.00 घ.मी.
4	अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
5	(अ) जलकर की मात्रा (स.क.2 या स.क.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S.N.2 or 3 which ever is more	1610000.00 घ.मी.
	(ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का डेढ़ गुना Quantity of water Loses as per S.N.-4	निरंक
	योग-	1610000.00 घ.मी.
6	जल की दर (Rate of water)	12.25 प्रति घ.मी.
7	जलकर की राशि (Amount of water Tax)	रु. 1,97,22,500.00
8	पिछला बकाया (यदि कोई हो तो) Arreas (if any)	रु. 1,77,60,748.00
9	ब्याज(यदि कोई हो तो) Intrest (if any)	-
	देयक की कुल राशि Total amount of Bill (7+8+9) in words	रु. 3,74,83,248.00

(रु. तीन करोड़ चौहत्तर लाख तिरासी हजार दो सौ अड़तालिस मात्र)

  
Sub-Engineer  
Hasdeo Barrage W/M Sub Division  
Darrji/Korba (C.G.)

  
Sub-Divisional Officer  
Hasdeo Barrage W/M Sub Division  
Darrji/Korba (C.G.)

  
Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)

कार्यालय:- कार्यपालन अभियंता, हसदेव बरौज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)

जलकर देयक माह - अप्रैल/2017

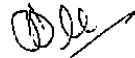
औद्योगिक संस्थानों को जल प्रदाय हेतु

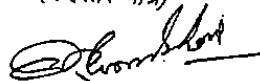
जल उपयोग करने वाले संस्थान का नाम - बाल्को-प्लांट 1200 मे.वा.

अनुबंध दिनांक Agreement Date		22/12/15
1	अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/06/2016 Quantity of water as per Agreement अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/12/2016 Quantity of water as per Agreement	7 मि.घ.मी. 7 मि.घ.मी. 7 मि.घ.मी. = 21 मि.घ.मी.
2	अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	57534 घ.मी. x30 1553418.00 घ.मी.
3	वास्तविक रूप से की खपत की गई जल की मात्रा Quantity of water actually used	1486000.00 घ.मी.
4	अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
5	(अ) जलकर की मात्रा (स.क.2 या स.क.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S-N.2 or 3 which ever is more (ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का उड़ मुना Quantity of water Loses as per S.N.-4	1553418.00 घ.मी. निरंक
	योग-	1553418.00 घ.मी.
6	जल की दर (Rate of water)	12.25 प्रति घ.मी.
7	जलकर की राशि (Amount of water Tax)	रु. 1,90,29,371.00
8	पिछला बकाया (यदि कोई हो तो) Arreas (if any)	रु. 1,97,22,500.00
9	ब्याज(यदि कोई हो तो) Intrest (if any)	
	देयक की कुल राशि Total amount of Bill (7+8+9) in words	रु. 3,87,51,871.00

(रु. तीन करोड़ सतासी लाख इक्यावन हजार आठ सौ इकहत्तर मात्र)

  
Sub-Engineer  
Hasdeo Barrage W/M Sub Division  
Darr/Korba (C.G.)

  
Sub Divisional Officer  
Hasdeo Barrage W/M Sub Division  
Darr/Korba (C.G.)

  
Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)

"जल ही जीवन है जल की बचत कीजिये"



कार्यालय:- कार्यपालन अभियंता, हसदेव बरॉज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)


जलकर देयक माह - मई/2017

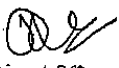
औद्योगिक संस्थानों को जल प्रदाय हेतु


जल उपयोग करने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

	अनुबंध दिनांक Agreement Date	22/12/15
1	अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement	7 मि.घ.मी.
	अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/06/2016 Quantity of water as per Agreement	7 मि.घ.मी.
	अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/12/2016 Quantity of water as per Agreement	7 मि.घ.मी.
		= 21 मि.घ.मी.
2	अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month	57594 घ.मी. x31
	अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	1805199.00 घ.मी.
3	वास्तविक रूप से क्लै खपत की गई जल की मात्रा Quantity of water actually used	1841210.00 घ.मी.
4	अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
5	(अ) जलकर की मात्रा (स.क.2 या स.क.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S-N.2 or 3 which ever is more	1805199.00 घ.मी.
	(ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का डेढ़ गुना Quantity of water Loses as per S.N.-4	निरंक
	योग-	1805199.00 घ.मी.
6	जल की दर (Rate of water)	₹ 1.25 प्रति घ.मी.
7	जलकर की राशि (Amount of water Tax)	₹ 1,96,63,688.00
8	पिछला बकाया (यदि कोई हो तो) Arreas (if any)	₹ 1,90,29,371.00
9	ब्याज(यदि कोई हो तो) Intrest (if any)	-
	देयक की कुल राशि Total amount of Bill (7+8+9) in words	₹ 3,86,93,059.00

(रु. तीन करोड़ छियासी लाख तिरानबे हजार सत्सठ मात्र)

  
Sub-Engineer  
Hasdeo Barrage W/M Sub Division  
Darril/Korba (C.G.)

  
Sub-Divisional Officer  
Hasdeo Barrage W/M Sub Division  
Darril/Korba (C.G.)

  
Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)

"जल ही जीवन है जल की अदम्य कीमति"

कार्यालय:- कार्यपालन अभियंता, हसदेव बरौज जल प्रबंध संभाग रामपुर/कोरबा (छ.ग.)


जलकर देयक माह - जून/2017

औद्योगिक संस्थानों को जल प्रदाय हेतु


जल उपयोग केरने वाले संस्थान का नाम - बाल्को प्लांट 1200 मे.वा.

	अनुबंध दिनांक Agreement Date	22/12/15
1	अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/12/2015 Quantity of water as per Agreement	7 मि.घ.मी.
	अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/08/2016 Quantity of water as per Agreement	7 मि.घ.मी.
	अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/12/2016 Quantity of water as per Agreement	7 मि.घ.मी.
	अनुबंधित जल की मात्रा (7 मि.घ.मी.) दि. 22/06/2017 Quantity of water as per Agreement	7 मि.घ.मी.
		= 28 मि.घ.मी.
2	अनुबंधित जल की मात्रा का प्रतिदिन एवं माह अनुसार Quantity of water as per Agreement per day/month	76712 घ.मी. x30
	अनुबंधित जल की मात्रा का 90% 90% Quantity of water as per Agreement	2071224.00 घ.मी.
3	वस्तविक रूप से की खपत की गई जल की मात्रा Quantity of water actually used	1612580.00 घ.मी.
4	अनुबंध के अनुसार जल हास की मात्रा वास्तविक रूप से उपयोग की गई जल की मात्रा का 30% Quantity of water Loses as per Agreement Of 30% Quantity of water actually used	निरंक
5	(अ) जलकर की मात्रा (स.क.2 या स.क.3 में गई जल की मात्रा जो ज्यादा हो) Quantity of water as per S-N.2 or 3 which ever is more	2071224.00 घ.मी.
	(ब) जल हास की मात्रा (स.क.4 के अनुसार) अनाधिकृत रूप से ली गई जल की मात्रा का डेढ़ गुना Quantity of water Loses as per S.N.-4	निरंक
	योग-	2071224.00 घ.मी.
6	जल की दर (Rate of water)	12.25 प्रति घ.मी.
7	जलकर की राशि (Amount of water Tax)	रु. 2,53,72,494.00
8	पिछला बकाया (यदि कोई हो तो) Arreas (if any)	रु. 3,86,93,059.00
9	ब्याज(यदि कोई हो तो) Intrest (if any)	-
	देयक की कुल राशि Total amount of Bill (7+8+9) in words	रु. 6,40,65,553.00

(रु. छ. करोड़ चालीस लाख पैंसठ हजार पांच सौ तिरपन मात्र)

  
Sub-Engineer  
Hasdeo Barrage W/M Sub Division  
Darri/Korba (C.G.)

  
Sub-Divisional Officer  
Hasdeo Barrage W/M Sub Division  
Darri/Korba (C.G.)

  
Executive Engineer  
Hasdeo Barrage W/M Division  
Rampur/Korba (C.G.)

"जल ही जीवन है जल की बचत कीजिए"

Annexure B3

(33)

COMMISSION, RAIPUR

Petition No. 62/2017 (T)

IN THE MATTER OF:

M/s Bharat Aluminium  
Company Limited  
Versus

...PETITIONER

Chhattisgarh State Power  
Trading Company Limited & Anr.

...RESPONDENTS

PETITION UNDER SECTIONS 61, 62, 64, 86(1) (a), 86(1)(b), 86(1)(f) AND 86(1)(k) OF THE ELECTRICITY ACT, 2003 READ WITH THE CERC (TERMS AND CONDITIONS OF TARIFF) REGULATIONS, 2014 AND ITS SUBSEQUENT AMENDMENTS AND CSERC (TERMS AND CONDITIONS FOR DETERMINATION OF TARIFF ACCORDING TO MULTI-YEAR TARIFF PRINCIPLES AND METHODOLOGY AND PROCEDURE FOR DETERMINATION OF EXPECTED REVENUE FROM TARIFF AND CHARGES) REGULATIONS, 2015

Reference: Order of the Hon'ble Commission dated 17/04/2018


The Petitioner most humbly submits as follows:

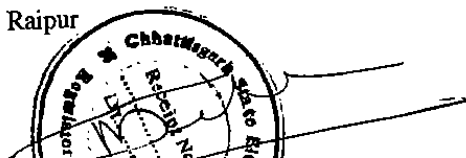
1. That, the instant petition has been filed by the Petitioner for determination of variable cost of 4x300 MW Coal based Power Projects.
2. That, in this regard, the Hon'ble Commission vide order dated 17/04/2018 had directed the Petitioner to remit Rs. 5 Lakhs as fees and charges for determination of tariff.
3. That, accordingly, the Petitioner is herewith annexing a cheque-dated 05/05/2018 bearing no. 889760 of Rs. 5 Lakhs in favour of CG State Electricity Regulatory Commission.

Therefore, the Petitioner prays before the Hon'ble Commission to take the same on record for necessary action.

Date: 08/05/2018

Raipur

  
Rishabh Garg  
Advocate(s) for the Petitioner



**IN THE MATTER OF:**

M/s Bharat Aluminium  
Company Limited  
Versus

...PETITIONER

Chhattisgarh State Power  
Trading Company Limited & Anr.

...RESPONDENTS

**PETITION UNDER SECTIONS 61, 62, 64, 86(1) (a), 86(1)(b), 86(1)(f) AND 86(1)(k) OF THE ELECTRICITY ACT, 2003 READ WITH THE CERC (TERMS AND CONDITIONS OF TARIFF) REGULATIONS, 2014 AND ITS SUBSEQUENT AMENDMENTS AND CSERC (TERMS AND CONDITIONS FOR DETERMINATION OF TARIFF ACCORDING TO MULTI-YEAR TARIFF PRINCIPLES AND METHODOLOGY AND PROCEDURE FOR DETERMINATION OF EXPECTED REVENUE FROM TARIFF AND CHARGES) REGULATIONS, 2015**

**Reference: Order of the Hon'ble Commission dated 20/11/2017**

The Petitioner most humbly submits as follows:

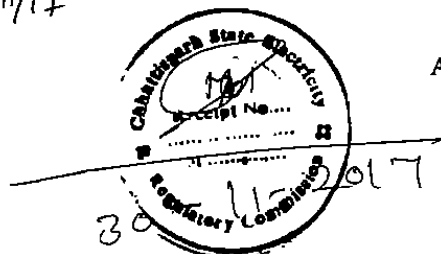
1. That, the instant petition has been filed by the Petitioner for determination of variable cost of 4x300 MW Coal based Power Projects.
2. That, in this regard, the Hon'ble Commission vide order dated 20/11/2017 had directed the Petitioner to remit Rs. 5 Lakhs as fees and charges for determination of tariff.
3. That, accordingly, the Petitioner is herewith annexing a cheque-dated 27.11.2017 bearing no. 889247 of Rs. 5 Lakhs in favour of CG State Electricity Regulatory Commission.

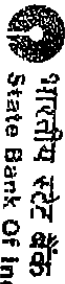
Therefore, the Petitioner prays before the Hon'ble Commission to take the same on record for necessary action.

Date: 30/11/17

Raipur

*Rishabh Gaeg*  
Rishabh Gaeg  
Advocate(s) for the Petitioner





भारतीय स्टेट बैंक  
State Bank of India

1029/01, SIDDH TOWNSHIP (KORBA), BH  
D. CO. NAGAR,  
KORBA, M.P. 495 001

FORM 3 - FSA & FSA No. 1029/01-2017  
D 0 M 09 2017

Under Rs. 50000/-

09/09/2017

A/C PAYEE ONLY

PAY CG STATE ELECTRICITY REGULATORY COMMISSION

बैंक या जस्टे बैंक पर OR ORDER

₹ 500,000.00

FIVE LAKH ONLY

₹ 500,000.00

FOR BHARAT ALUMINIUM CO. LTD.

10326190496

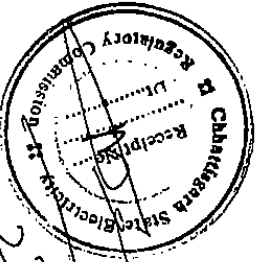
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1515800001

097690

Please Sign & Stamp

*[Signature]*  
*[Signature]*

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