

To

31st day of March, 2020

The Registrar,

Punjab State Electricity Regulatory Commission

Plot No. 3, Sector 18-A, Madhya Marg,

Chandigarh - 160018

Sub: **Petition for approval of Aggregate Revenue Requirement and determination of tariff for sale of energy generated by 2X270 MW Goindwal Sahib Thermal Power Plant at Goindwal Sahib, Punjab for the control period FY 2020-21 to 2022-23 in terms of Section 62 , Section 86 and Section 94 of the Electricity Act 2003 along with "Punjab State Electricity Regulatory Commission (Terms and Conditions for Determination of Generation, Transmission, Wheeling and Retail Supply Tariff) Regulations, 2019" (PSERC MYT Regulations 2019).**

Please find enclosed 7 sets of the Petition for determination of generation Tariff filed under PSERC MYT Regulations, 2019 for the Control Period 2020-2023, along with necessary affidavit for the kind consideration of the Hon'ble Commission. We further submit that a court fee of Rs. 27,10,000/- has been paid online through Indian Overseas Bank via UTR No. IBKLR92020033100075979, dated 31.03.2020.

Thanking you

Yours sincerely

For the Petitioner **For GVK POWER (GOINDWAL SAHIB) LTD.**


Authorised signatory

Encl: Petition and the Affidavit. **Authorised Signatory**



BEFORE THE HON'BLE PUNJAB STATE ELECTRICITY

REGULATORY COMMISSION, CHANDIGARH

PETITION NO. OF 2020

IN THE MATTER OF:

GVK Power (Goindwal Sahib) Limited

Plot No.10, Paigah House,

Sardar Patel Road,

Secunderabad - 500003

...Petitioner

Versus

Punjab State Power Corporation Limited

The Mall, Patiala (Punjab)

...Respondent

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For

GVK Power (Goindwal Sahib)
Limited/Petitioner

For GVK POWER (GOINDWAL SAHIB) LTD.

Authorised Signatory

Date:

Place:



BEFORE THE HON'BLE PUNJAB STATE ELECTRICITY REGULATORY COMMISSION,
CHANDIGARH

PETITION No. 2020

Application for approval of Aggregate Revenue Requirement and determination of tariff for sale of energy generated by 2X270 MW Goindwal Sahib Thermal Power Plant at Goindwal Sahib, Punjab for the control period FY 2020-21 to 2022-23 in terms of Section 62 , Section 86 and Section 94 of the Electricity Act 2003 along with "Punjab State Electricity Regulatory Commission (Terms and Conditions for Determination of Generation, Transmission, Wheeling and Retail Supply Tariff) Regulations, 2019" (PSERC MYT Regulations 2019).

GVK Power (Goindwal Sahib) Limited

Plot No. 10 Paigah House,
Sardar Patel Road,
Secunderabad - 500003

Petitioner

vs

Punjab State Power Corporation Limited

The Mall, Patiala (Punjab)

Respondent

A. Introduction

I. Brief Overview

1. GVK Power (Goindwal Sahib) Limited ("**Petitioner/GVK**") is a company incorporated under the provisions of Companies Act 1956 with the object of engaging in the business of establishing, maintaining and operating a 2X270MW (540 MW) coal based thermal power station at Goindwal Sahib in the State of Punjab ("**Project**"). For the generation, sale and purchase of electricity from the Project, an Amended and Restated Power Purchase Agreement, dated 25.06.2009 ("**PPA**") was entered into between the Petitioner and the Punjab State Power Corporation Limited ("**Respondent/PSPCL**"). Under the terms of the PPA, the entire power generated by the Petitioner from the Project shall be sold exclusive to the Respondent, including the full capacity of the Project.

2. The present petition is being filed by the Petitioner for the approval of Aggregate Revenue Requirement ("**ARR**") and Tariff for the sale of electricity from the project under the Punjab State Electricity Regulatory Commission (Terms and Conditions for



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Determination of Generation, Transmission, Wheeling and Retail Supply Tariff) Regulations, 2019 (“PSERC MYT Regulations 2019/ Regulations”).

II. Regulatory Provisions of filing of MYT petition

2.1. The Regulation 10 of the Regulations contemplates a Multiyear Tariff Application a under:

“10.1 The Applicant shall make an application for the Multi Year Tariff on or before 30th November of the year preceding the first year of Control Period

10.2 The Applicant shall submit the forecast of Aggregate Revenue Requirement for each year of the Control Period and tariff proposal for the first Year of the Control Period, in a manner as provided in these Regulations and in formats specified by the Commission from time to time.”

2.2 The Petitioner humbly submits that it could not file the present petition within the time frame contemplated under Regulation 10.1 of the Regulations, as the Completed Capital Cost of the Project was pending approval in Petition No. 54 of 2017. Petition No. 54 of 2017 was decided by the Hon’ble Commission vide its order dated 17.01.2020. As the Project Cost was not finalised prior to the time frame fixed by the Hon’ble Commission under the Regulations for filing a Petition for the MYT Control Period 2020-21 to 2022-23, the Petitioner had to wait till the Capital Cost was finalised. The delay in filing the present petition is for the reasons explained hereinabove. In this context, the Petitioner Humbly prays the Hon’ble Commission to condone the delay in filing the present Petition.

2.3 It is in the above background, the instant petition is being filed and the Petitioner hereby prays the Hon’ble Commission to consider, admit and approve the ARR and Tariff for the Control period 2020-21 to 2022-23 (herein after referred to as the “**Control Period**”)

III. Regulatory & Legal Background

3. The Hon’ble Commission vide an order dated 17.01.2020 (in the matter of Petition No. 54 of 2017) has approved a capital cost of Rs.3,058.37 Cr. against the petitioner submission of Rs.4441 Cr. The Petitioner has challenged the said order in an Appeal bearing No.41 of 2020 before the Hon’ble Appellate Tribunal for Electricity, (herein after referred to as “Hon’ble APTEL”) which is sub-judice. In the same order, the Hon’ble Commission has also approved the Annual Fixed Cost as Rs.545.42 Cr. for the Contract Year 2016-17 on a pro rata basis for 349 days considering the COD as 16.04.2016.



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3.1 The petition is being filed by the Petitioner based on the approved figures by the Hon'ble Commission referred hereinabove. However, The present Petition is without prejudice to the pending appeal as well as other proceedings pending before this Hon'ble Commission and the Hon'ble Appellate Tribunal. In this context, the Petitioner humbly requests the Hon'ble Commission to grant leave to it to revise the present Petition, in case, the Hon'ble APTEL grants any relief as sought by the Petitioner including but not limited to granting of an additional project cost in excess of Rs. 3,058.37 Cr.

IV. Prayers before the Hon'ble Commission

4. In the light of submissions here by made the Petitioner pleads before the Hon'ble Commission for:

- a) Condone the delay in filing the present Petition, take it on record and be pleased to adjudicate the same in the interest of justice.
- b) Approve the capital investment plan and business plan for the Control Period of FY 2020-21 to FY 2022-23
- c) Approve the Aggregate Revenue Requirement for MYT Control Period 2020-21 to 2022-23 for GVK Power (Goindwal Sahib) Limited
- d) Approve the proposed tariff for sale of power by GVK Power (Goindwal Sahib) Limited based on ARR

V. Scope of this petition

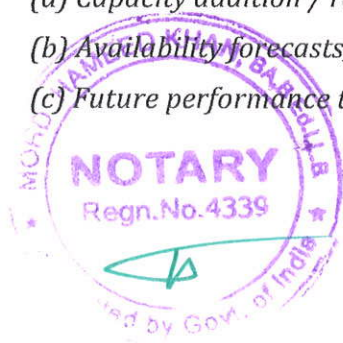
5. This petition is for approval of capital investment plan and business plan for the Control Period of FY 2020-21 to 2022-23 and approval of Aggregate Revenue Requirement and tariff for sale of electricity from GVK Power (Goindwal Sahib) Limited. to the Respondent, PSPCL during the Control Period.

VI. Business Plan

6. The Regulation 9.3 of the PSERC MYT regulation 2019 envisages that the Business Plan for Generation Business shall contain the following among other things:

"The Business Plan for Generation Business shall contain among other things the following:

- (a) Capacity addition / reduction;
- (b) Availability forecasts;
- (c) Future performance targets



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(d) Proposed efficiency improvement measures;

(e) R&M of existing generation units/projects and any other new measures to be initiated for the Generation Business, e.g.; automation, IT initiatives etc. (any R&M capitalized and regular R&M is being covered under regular O&M).

(f) Capital Investment Plan based on the above;

(g) Man, Power Plan- existing manpower to be continued”

A. Capacity Addition/ Reduction

6.1. The Petitioner wants to submit that no capacity addition or deletion has been envisaged during the Control Period.

B. Availability Forecast

6.2. The actual availability during the FY 2019-20 has been **90%** and the same availability factor has been estimated for the Control Period.

C. Future Performance targets

6.3 The **Regulation 35** of the PSERC MYT Regulations 2019 specifies that the norms regarding the Availability, Station Heat Rate (**SHR**), Auxiliary Energy Consumption shall be as per the CERC norms or as per the norms of the Hon'ble Commission.

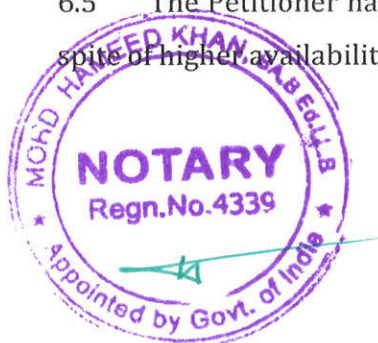
6.4 As the Hon'ble Commission has not specified did not lay down any norms in this regard, the Petitioner has considered the norms regarding the SHR, Auxiliary Energy consumption, secondary oil consumption as per the **Regulation 36 of CERC (Terms and Conditions of Tariff) Regulations 2019**.

Table 1 Plant Operational Norms

Parameter	Unit	FY 2020-21	FY 2021-22	FY 2022-23
Station Heat Rate	Kcal/kWh	2332	2332	2332
Auxiliary Consumption	%	9%	9%	9%
Specific Consumption of Secondary Fuel	ml/kWh	0.5	0.5	0.5

D. Generation forecast and performance targets

6.5 The Petitioner has assumed a PLF of 55% for the next Control Period. Hence, in spite of higher availability the gross generation is assumed to be low. Thus, the Petitioner



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estimates the following generation target for the Control Period FY 2020-21 to FY 2022-23:

Table 2 Projections of Generation

S. No.	Particulars	Unit	FY 2020-21	FY 2021-22	FY 2022-23
1	Plant Load Factor	%	55.00%	55.00%	55.00%
2	Gross Generation	MU	2602	2602	2602
3	Auxiliary Consumption	%	9.00%	9.00%	9.00%
4	Net Generation	MU	2368	2368	2368

E. Efficiency Improvement Measures

6.6 The Petitioner proposes to install Flue Gas Desulphurisation (FGD) system during the Control Period for reducing the emissions from the plant. FGD is required to be installed to comply with the revised emission norms as defined in MOEFCC notification dated 17.05.2015. This expenditure is envisaged by the petitioner in the last year of the control period i.e. FY 2022-23.

F. R&M of Existing generation units and other new measures

6.7 No major R&M of existing generation units is envisaged during the control period.

G. Capital Investment Plan

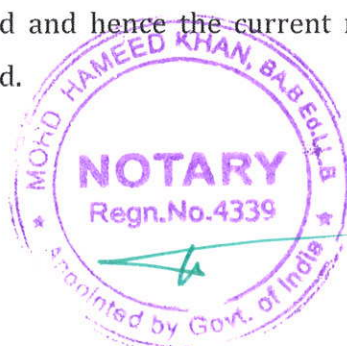
6.8 As the Petitioner propose the installation of FGD during the control period. The capital investment estimated for the FGD has been estimated as Rs.540 Cr. The Petitioner seeks leave to file an appropriate Petition seeking in-principle approval of the capital cost to be incurred for installation of the FGD system.

Table 3 Proposed Additional Capital expenditure for Control Period (Rs Crore)

S. No.	Particulars	FY 2020-21	FY 2021-22	FY 2022-23
1	Plant and equipment	0	0	540
	Total	0	0	540

H. Man Power Plan

6.9 The Petitioner has not envisaged any man power addition during the control period and hence the current manpower has been considered for the entire control period.



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VII. Annual Fixed Cost

7. Regulation 14.3 of the PSERC MYT Regulations 2019 deals with the determination of Annual Fixed Cost which, states that:

"The Annual Fixed Cost of a generating plant (thermal or hydro) shall include the following elements:

- (a) Return on Equity;*
- (b) Interest and Finance Charges on Loan Capital;*
- (c) Interest Charges on Working Capital;*
- (d) Depreciation;*
- (e) Operation and Maintenance Expenses;*
- (f) Statutory levies and taxes, if any."*

A. Return on Equity (RoE)

7.1 The Hon'ble Commission in its order dated 17.01.2020 in Petition No.54 of 2017 has approved a Capital Cost of Rs.3,058.37 Crores for the project. During the control period FY 2017-18 to 2019-20 the Petitioner has incurred an additional capital expense of Rs.12.90 Crore in 207-18, Rs.0.84 Crore in 2018-19 and Rs.0.86 Crores in 2019-20. The Petitioner has filed Petition No. 70 of 2017 before the Hon'ble Commission for the approval of the same which is pending. Thus, the opening GFA for the Control Period has been taken as Rs. 3,072.97 Crore.

7.2 The Petitioner has as per the PSERC MYT Regulations 2019 estimated the equity at a normative level (30 % of GFA) and has correspondingly considered an opening equity @ 30 % of Rs. 3072.97 Cr as Rs.921.89 Cr for the Control Period.

Table 4 Calculation of Opening Equity for Control Period

S.No.	Particular	Amount (Rs. Crore)
1	Capital Cost	3058.37
2	Additional Capitalization in Previous Control Period	14.6
3	Opening GFA for Control Period	3072.97
4	Opening Equity for Current Control Period - @ 30 % of (3)	921.89

RoE has been calculated at the normative rate of 15.5%



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Table 5 Calculation of Return on Equity for Control Period (Rs Crore)

S. No	Particulars	FY 2020-21	FY 2021-22	FY 2022-23
1	Opening Balance of Equity	921.89	921.89	921.89
2	Normative Equity addition @ 30% due to additional capitalization	-	-	162.00
3	Closing Balance of Equity	921.89	921.89	1083.89
4	Average Equity	921.89	921.89	1002.89
5	Rate of Return (%)	15.50%	15.50%	15.50%
6	RoE (5*4)	142.89	142.89	155.45

Based on the above calculations the Petitioner pleads the Hon'ble Commission to approve RoE for the Control Period as tabulated above.

B. Interest on Loan Capital

7.3 The Petitioner has estimated the Opening Loan for the Control Period as follows:-

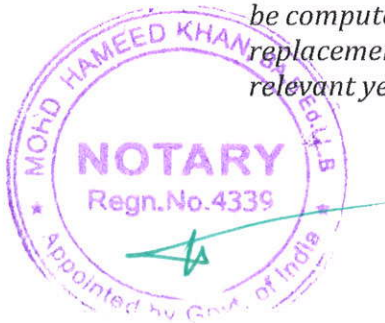
Table 6 Calculation of Opening Loan for the Control Period

S.No.	Particular	Amount (Rs. Crore)
1	Capital Cost	3058.37
2	Additional Capitalization in Previous Control Period	14.6
3	Opening GFA for Control Period	3072.97
4	Opening Equity for Current Control Period - @ 70 % of (3)	2151.08

For calculation of the interest on the above loan the rate of interest has been taken as the weighted average rate of the actual loan of the Petitioner. Detailed working for the same has been provided in the financial formats (Form-G14-Appendix) which is being submitted along with this petition. The interest rate such arrived is 13.22% p.a. and the same rate of interest has been considered for the MYT control period. The Regulation 24 of the PSERC MYT Regulations 2019 reads as under:

“24.1. For existing loan capital, interest and finance charges on loan capital shall be computed on the outstanding loans, duly considering the actual rate of interest and the schedule of repayment as per the terms and conditions of relevant agreements. The rate of interest shall be the actual rate of interest paid/payable (other than working capital loans) on loans by the Licensee.

24.2. Interest and finance charges on the future loan capital for new investments shall be computed on the loans, based on one (1) year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI as may be applicable as on 1st April of the relevant year, plus a margin determined on the basis of current actual rate of interest



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of the capital expenditure loan taken by the Generating Company, Licensee or SLDC and prevailing SBI MCLR.

24.3. The repayment for each year of the tariff period shall be deemed to be equal to the depreciation allowed for the corresponding year. In case of de-capitalisation of assets, the repayment shall be adjusted by considering cumulative depreciation made to the extent of de-capitalisation."

7.4 Calculation of Interest on loan capital for MYT Control Period FY 2020-21 to FY 2022-23 has been tabulated as under:

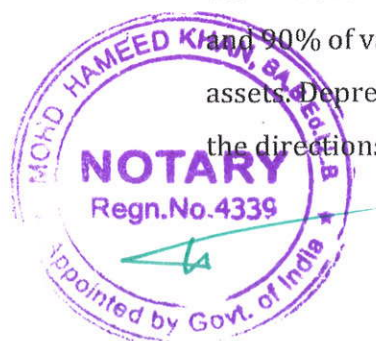
Table 7 Calculation of Interest on Loan During the Control Period (Rs Crore)

S.No	Particulars	FY 2020-21	FY 2021-22	FY 2022-23
1	Gross Normative Loan – Opening	2,151.08	2,151.08	2,151.08
2	Cumulative Repayment up to Previous Year (Cumulative Depreciation up to previous year)	585.03	731.60	878.18
3	Net Normative Loan - Opening	1,566.05	1,419.48	1,272.90
4	Less: Repayment During the Year (Considering Depreciation as Principal Repayment)	146.57	146.57	162.00
5	Loan Addition due to Additional Capitalization during the year (= Additional Capitalization - Normative Equity Addition considered for ROE computation)	-	-	378.00
6	Net Loan Closing	1,419.48	1,272.90	1,488.90
7	Average Loan	1,492.76	1,346.19	1,380.90
8	Weighted Average Rate of Interest on Loan	13.22%	13.22%	13.22%
9	Interest on Loan	197.38	178.00	182.59

7.5 The Petitioner pleads the Hon'ble Commission to approve the above expenses as interest on loan for the MYT Control Period.

C. Depreciation

7.6 For arriving at depreciable value, the value of Land has been reduced from the GFA and 90% of value thus arrived has been considered as depreciable value except for the IT assets. Depreciable value of IT assets has been considered as 100%, which is in line with the directions under the PSERC MYT Regulations.



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7.7 The depreciation rates for individual block of asset has been taken as per the CERC (Terms and Conditions of Determination of Tariff) Regulations 2019 and overall depreciation has been calculated at the weighted average rate arrived by using these rates. Rates for individual asset class are tabulated below:

Table 8 Rates of Depreciation for Individual Asset Class

S.No.	Asset Class	Rate of Depreciation (as per CERC 2019 Tariff Regulations)
1	Freehold land	0.00%
2	Plant and equipment	5.28%
3	Capital Spares	5.28%
4	Buildings	3.34%
5	Computers	15.00%
6	Office equipment	6.33%
7	Furniture and fixtures	6.33%
8	Vehicles	9.50%
9	Computer software	15.00%
10	Right to Use Railway Line	0.00%
	Weighted Average Rate of Depreciation	4.77%

7.7 Based on the above rates , the depreciation being claimed for the control period is as follows, the detailed calculation of which is in the financial formats being submitted along with the instant petition. The Petitioner requests the Hon'ble Commission to approve the same for the Control Period.

Table 9 Depreciation for the Control Period (Rs. Crore)

Description	FY 2020-21	FY 2021-22	FY 2022-23
Depreciation	146.57	146.57	162.00

D. Operation and Maintenance Expenses

7.8 As per the Regulation 26 of the PSERC MYT Regulations 2019:

"The O&M expenses for the nth year of the Control Period shall be approved based on the formula shown below:

$$(i) \quad O\&M_n = (R\&M_n + EMP_n + A\&G_n) \times (1-X_n)$$

Where,

R&M_n - Repair and Maintenance Costs of the Applicant for the nth year;

EMP_n - Employee Cost of the Applicant for the nth year;

A&G_n - Administrative and General Costs of the Applicant for the nth year;



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7.9 Further the Regulations have provided that the components of O&M Expenses shall be computed as below:

$$R\&M_n = K * GFA * WPI_n / WPI_{n-1}$$

Where,

'K' is a constant (expressed in %) governing the relationship between R&M costs and Gross

Fixed Assets (GFA) for the nth year. The value of 'K' will be specified by the Commission in the MYT order.

'GFA' is the average value of the gross fixed assets of the nth year.

WPI_n means the average rate (on monthly basis) of Wholesale Price Index (all commodities) over the year for the nth year.

$$(ii) EMP_n + A\&G_n = (EMP_{n-1} + A\&G_{n-1}) * (INDEX_n / INDEX_{n-1})$$

INDEX_n - Inflation Factor to be used for indexing the Employee Cost and Administrative and

General Costs for nth year. This will be a combination of the Consumer Price Index (CPI) and the

Wholesale Price Index (WPI) of nth year and shall be calculated as under: -

$$INDEX_n = 0.50 * CPI_n + 0.50 * WPI_n$$

In the above regulations the K factor and Efficiency factor X_n have to be determined by the Hon'ble Commission in the MYT order for the Control Period.

7.10 The Petitioner while calculating the various components of O&M expenses has considered an estimate R&M Expenses to a tune of Rs.99 Cr. for FY 2020-21. K factor has also been calculated based on GFA and R&M of FY 2020-21 and the same K factor has been considered for entire Control Period. WPI and CPI data has been considered for FY 2018-18 and FY 2019-20. Accordingly, the Petitioner has worked out various components of O&M as follows:

Table 10 O&M Expenses for MYT Control Period (Rs Crore)

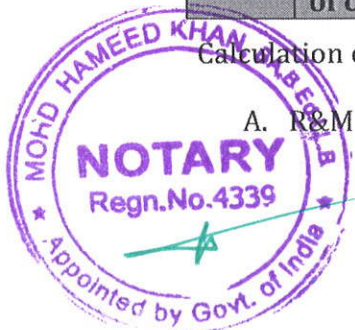
S. No.	Particulars	FY 2020-21	FY 2021-22	FY 2022-23
1	O&M Expenses			
1.1	Employee Expenses	15.70	16.50	17.34
1.2	R&M Expenses	99.00	103.24	112.31
1.3	A&G Expenses	45.28	47.59	50.03
2	O&M Expense capitalised	-	-	-
3	Total Operation & Maintenance Expenses (net of capitalisation)	159.98	167.33	179.68

Calculation of K Factor

A. R&M Expenses of 2020-21 (Estimated) = Rs.99 Crore.

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B. Average GFA for 2020-21 – Rs. 3072.97 Crore.

K Factor = B/A

Which comes out to be 3.22%

Calculation of Index for A&G and Employee Expenses

- (1.) Average WPI (For all commodities) FY 2017-18 = 114.88
- (2.) Average WPI (For all commodities) FY 2018-19 = 119.79
- (3.) Average CPI (Industrial Workers) FY 2017-18 = 284.42
- (4.) Average CPI (Industrial Workers) FY 2018-19 = 299.92

$$\text{INDEX}_n = 0.5*(2) + 0.5*(4) = 209.85$$

$$\text{INDEX}_{n-1} = 0.5*(1) + 0.5*(3) = 199.65$$

7.11 The Petitioner pleads the Hon'ble Commission to approve the above O&M expenses for the Control Period of MYT FY 2020-21 to FY 2022-23

Source

WPI Data- https://eaindustry.nic.in/download_data_1112.asp

CPI Data - http://labourbureau.gov.in/LBO_indtab_Feb_2019.pdf

E. Interest on Working Capital

Components of Working Capital

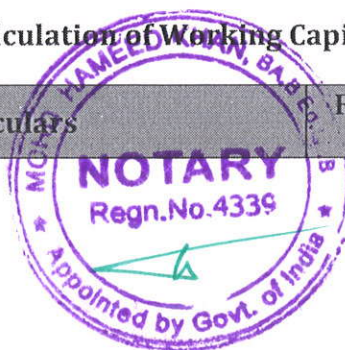
7.12 As prescribed by the Regulation 33.1 (a), Coal-based Thermal Generating Plants: The Working Capital shall cover the following:

- i. Fuel Cost including cost of limestone / other reagent for 2 months corresponding to the normative annual plant availability factor;*
- ii. Operation and maintenance (O&M) Expenses for 1 month;*
- iii. Maintenance spares @ 15% of the O&M expenses;*
- iv. Receivables equivalent to two (2) months of fixed and variable charges for sale of electricity calculated on the normative annual plant availability factor."*

Considering the above guiding principles and Normative Availability Factor as 85% the Petitioner has worked out the Working Capital for each year of the Control Period as follows:

Table 11 Calculation of Working Capital for Control Period (Rs Crore)

S. No.	Particulars	FY 2020-21	FY 2021-22	FY 2022-23
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1	Cost of Fuel for 2 months corresponding to Normative Annual Plant Availability Factor.	281.64	292.58	303.95
2	O&M expenses for 1 month	13.33	13.94	14.97
3	Receivables equivalent to 2 months of fixed & variable charges corresponding to Normative Annual Plant Availability Factor	403.96	413.34	432.88
4	Maintenance Spares (@15% of O&M Expenses)	24	25.10	26.95
	Total	722.92	744.96	778.76

7.12 Regulation 25 of the PSERC MYT Regulations 2019 deals with the Rate of Interest on Working Capital, which reads as under:

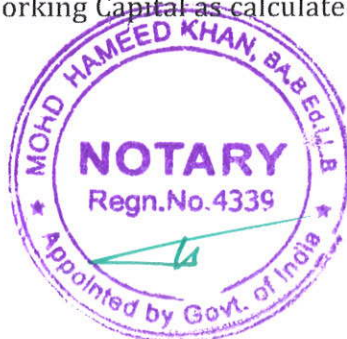
"25.1 The rate of interest on working capital shall be equal to the actual rate of interest paid on working capital loans by the Licensee/Generating Company/SLDC or the one (1) Year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI as may be applicable as on 1st April of the relevant year plus 350 basis points, whichever is lower. The interest on working capital shall be payable on normative basis notwithstanding that the Licensee/Generating Company/SLDC has not taken working capital loan from any outside agency or has exceeded the working capital loan amount worked out on the normative figures."

Complying with the above referred Regulation, the SBI MCLR rate on 01.04.2019 has been taken as the base. The rate as on 01.04.2019 was 8.55%. Adding 350 basis points to the same, the rate of interest on working capital comes out to be 12.05% and the same has been considered for calculation on interest in working capital for every year of control period.

Table 12 Interest Calculation on Working Capital (Rs Crore)

S. No.	Particulars	FY 2020-21	FY 2021-22	FY 2022-23
1	Working Capital	722.92	744.96	778.76
2	Rate of Interest on Working Capital	12.05%	12.05%	12.05%
3	Interest on Working Capital	87.11	89.77	93.84

The Petitioner pleads the Hon'ble Commission to consider the above working and approve the Interest on Working Capital as calculated for the MYT Control Period 2020-21 to 2022-23



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F. Calculation of Energy Charges

7.13 Regulation 36 of PSERC MYT Regulations 2019 deals with the computation of Energy Charges. Regulation 36.1 reads as under:

"Energy charges shall be derived on the basis of the landed fuel cost (LFC) of a generating station (excluding hydro) and shall consist of the following cost:

(a) Landed cost of primary fuel;

(b) Landed cost of secondary fuel; and

(c) Cost of limestone or any other reagent, as applicable:

Provided that taxes, duties and amount received on account of penalties received from fuel supplier shall have to be adjusted in landed fuel cost."

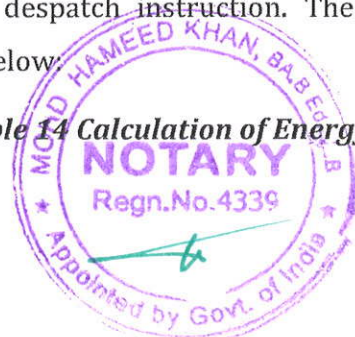
7.14 As stated earlier the Petitioner is having a long-term coal linkage under the Shakti Scheme and the actual landed cost of coal for the FY 2019-20 has been considered as the base for calculating the landed fuel cost for the Control Period. The actual landed cost of coal for the FY 2019-20 has been escalated at the average escalation rate notified by CERC for domestic coal of past 5 years. The escalation rates notified by CERC are tabulated below:

Table 13 CERC Notified Escalation Rates for Domestic Coal

Date of notification	Period of applicability	Notified Annual Escalation Rate for domestic coal (%)
01.06.2018	01.04.2015 - 30.09.2015	0.00%
	01.10.2015 - 31.03.2016	0.00%
	01.04.2016 - 30.09.2016	0.00%
	01.10.2016 - 31.03.2017	2.79%
30.05.2017	01.04.2017 - 30.09.2017	13.78%
10.10.2017	01.10.2017 - 31.03.2018	0.00%
22.06.2018	01.04.2018 - 30.09.2018	0.00%
15.10.2018	01.10.2018 - 31.03.2019	21.66%
05.04.2019	01.04.2019 - 30.09.2019	0.88%
30.10.2019	01.10.2019 - 31.03.2020	0.00%
Average escalation rate (%) for last five years		3.91%

7.15 The PLF considered for the Control Period is based on the fact that entire power generated from the Project is to be sold to the PSPCL and as such the generation is to be based upon the despatch instruction. The calculation of Energy Charges has been summarized as below:

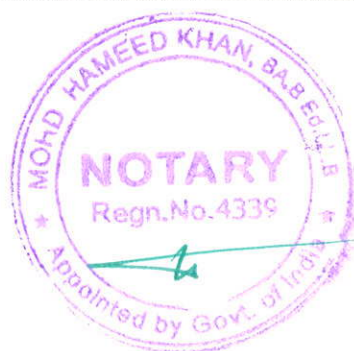
Table 14 Calculation of Energy Charges for Control Period



For GVK POWER (GOINDWAL SAHIB) LTD.


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No.	Particulars	Unit	Control Period Projections		
			1st Year	2nd Year	3rd Year
			2020-21	2021-22	2022-23
1	Plant Capacity	MW	540	540	540
2	Plant Load Factor	%	55.00%	55.00%	55.00%
3	Gross Generation	MU	2602	2602	2602
4	Auxiliary Consumption	%	9.00%	9.00%	9.00%
5	Net Generation	MU	2368	2368	2368
6	Availability Factor	%	99%	99%	99%
7	Station Heat Rate	kcal/kWh	2332	2332	2332
8	Weighted Average 'GCV of received Coal'	kcal/kg	3388	3388	3388
9	Specific Consumption of Coal	kg/kWh	0.69	0.69	0.69
10	Quantity of Coal Received				
a)	Indigenous	MT	1786930	1786930	1786930
b)	Imported				
c)	Captive mine				
d)	Other (specify)				
11	Transit Loss of Coal (where ever applicable)				
a)	Indigenous	%	0.80%	0.80%	0.80%
b)	Imported				
c)	Captive mine				
d)	Other (specify)				
11	Transit Loss of Coal (where ever applicable)				
a)	Indigenous	MT	14411	14411	14411
b)	Imported				
c)	Captive mine				
d)	Other (specify)				
12	Total Quantity of Coal	MT	1801341	1801341	1801341
13	Quantity of Oil	KL	1300.86	1300.86	1300.86
14	Specific Oil Consumption	ml/kWh	0.5	0.5	0.5
15	Weighted Average Calorific value of oil	kCal/litre	10410	10410	10410
16	Weighted Average Coal Cost	Rs./MT	6080	6318	6565
17	Total Coal Cost	Rs. Crore	1095.19	1138.02	1182.53
18	Weighted Average Oil Cost	Rs./ kL	53644.75	53644.75	53644.75
19	Total Oil Cost	Rs. Crore	6.98	6.98	6.98
20	Total Fuel Cost	Rs. Crore	1102.17	1145.00	1189.51
21	Per Unit Energy Charges	Paisa/kWh	465.53	483.62	502.42



For GVK POWER (GOINDWAL SAHIB) LTD.

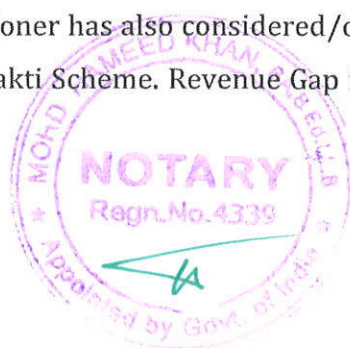
[Signature]
Authorised Signatory

G. Summary of Aggregate Revenue Requirement

8. The Hon'ble Commission has approved the Annual Fixed Cost of the Project as Rs. 545.42 Cr. in the order dated 17.01.2020 in Petition No. 54 of 2017. This cost was calculated by factorizing the expenses incurred by the Petitioner in FY 2016-17 to 349 days as the date of COD was 16.04.2017. The Hon'ble Commission in the Order dated 20.03.2020 has directed that the tariff determined for the FY 2016-17 dated 17.01.2020 shall continue till further Orders. As an interim measure, the AFC of Rs. 545.42 Cr extrapolated for 365 days amounting to Rs. 602.89 Crores may be considered as under:-

S.No.	ARR Component	Hon'ble Commission	Extrapolated	Remarks
1	O&M Expenses	30.41	31.80	Simple extrapolation (31.8 = 30.41*365/349)
2	Interest on Loan	225.51	274.30	Hon'ble Commission had itself calculated 274.3 Cr for the entire year and reduced it by 2 accounts – 1. Extrapolation for 349 days , reduced from 274.3 to Rs. 262.28 Cr 2. Reduction by another 36.79 Cr to Rs. 225.49 Cr to match the actual interest. Both these effects have been negated.
3	Return on Equity	135.98	142.21	Simple extrapolation (142.21 = 135.98*365/349)
4	Depreciation	141.27	141.27	No extrapolation required as the same was not done by the Hon'ble Commission as well.
5	Interest on Working Capital	12.250	13.30	Working explained in the attached financial format under Tab – “Extrapolate”
6	Total AFC	545.42	602.89	

Hence the Revenue at Current Tariff is claimed at Rs. 602.89 Cr as per the above calculations. Petitioner has also considered/offered a discount of Rs.0.02/kWh in the revenue under Shakti Scheme. Revenue Gap for the Control Period is summarised as per the follows -



For GVK POWER (GOINDWAL SAHIB) LTD.

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Table 15 ARR Summary for the Control Period (Rs Crore)

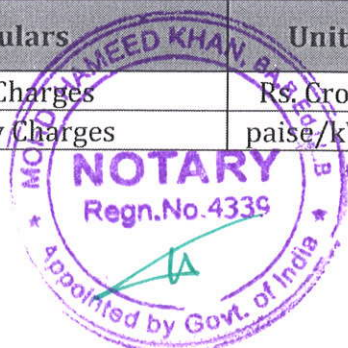
S. No.	Particulars	Control Period Projection		
		1st Year	2nd Year	3rd Year
		2020-21	2021-22	2022-23
A	Receipts			
1(a)	AFC at Current Tariff (X)	602.89	602.89	602.89
1(b)	Energy Charges at Current Tariff (Y)	1059.49	1059.49	1059.49
1	Revenue at Current Tariff (Z= X + Y)	1,662.38	1,662.38	1,662.38
2	Gross Generation (MU)	2602	2602	2602
3	Auxiliary Consumption (%)	9.00%	9.00%	9.00%
4	Net Generation (MU)	2368	2368	2368
B	Expenditure			
1	Fuel Cost	1,102.17	1,145.00	1,189.51
a)	Primary Fuel Cost	1,095.19	1,138.02	1,182.53
b)	Secondary Fuel Cost	6.98	6.98	6.98
2	SLDC Fees & Charges	-	-	-
3	O&M expenses	159.98	167.33	179.68
	a) R&M Expenses	99.00	103.24	112.31
	b) Employee Expenses	15.70	16.50	17.34
	c) A&G Expenses	45.28	47.59	50.03
4	Depreciation	146.57	146.57	162.00
5	Interest on Loans	197.38	178.00	182.59
6	Interest on Working Capital	87.11	89.97	93.84
7	Prior Period Expense	-	-	-
8	Extraordinary Items	-	-	-
9	Other Debts and Write-offs	-	-	-
10	Income Tax	-	-	-
	Subtotal Expenditure (1+2+3+4+5+6+7+8+9+10)	1693.21	1,726.67	1,807.62
C	Return on Equity	142.89	142.89	155.45
D	Non Tariff and other Income			
E	Aggregate Revenue Requirement (B+C-D)	1836.10	1,869.57	1963.07
F	Surplus(+) / Shortfall (-)	-173.72	-207.19	-300.69

H. Proposed Tariff for MYT Control Period

8.1 Based on the above calculations the Petitioner pleads the Hon'ble Commission to approve the following tariff for MYT Control Period FY 2020-21 to FY 2022-23.

Table 16 Fixed and Energy Charge for the Control Period

S. No.	Particulars	Unit	FY 2020-21	FY 2021-22	FY 2022-23
1	Fixed Charges	Rs. Crore	733.93	724.56	773.56
2	Energy Charges	paise/kWh	465.53	483.62	502.42



GOINDWAL POWER (GOINDWAL SAHIB) LTD.

Authorised Signatory

I. Interim Tariff

8.2 Pending adjudication of the present Petition, it is prayed that this Hon'ble Commission may grant an interim tariff by considering the Annual Fixed Cost (AFC) of the Project at Rs. 602.89 Cr for each year of the Control Period, in order for the Petitioner to meet its financial and other obligations. In this regard, the Petitioner would most humbly submits that the AFC component of the interim tariff being sought herein by the Petitioner is based on the anticipated generation of 365 days in each year of the Control Period 2020-2023 and applying the same analogy adopted by the Hon'ble Commission in granting AFC of Rs. 545.20 Crores in Petition No. 54 of 2017 by considering 349 Generation days in the Contract Year 2016-17 (Base Year) on a pro rata basis instead of 365 days.

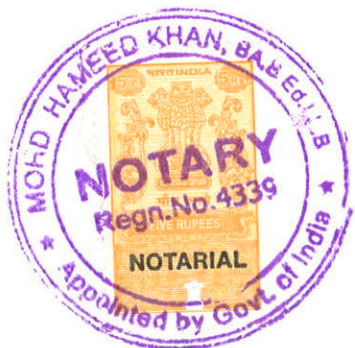
J. Prayers

8.3 In light of the above the Petitioner respectfully pray to the Hon'ble Commission may be pleased to:

- a) Condone the delay in filing the current petition;
- b) Admit the petition and grant approval for the Capital Investment Plan, Aggregate Revenue Requirement and Tariff for MYT Control Period FY 2020-21 to FY 2022-23 by considering the Annual Fixed Charges, Energy Charges, Incentives, etc., as per the applicable Regulations;
- c) Grant an interim tariff on the basis of AFC of Rs 602.89 Cr till the present petition is finally disposed of
- d) To pass any order as the Hon'ble Commission may deem fit.

Date:

Place:



For

**GVK Power (Goindwal Sahib)
Limited/Petitioner**

For GVK POWER (GOINDWAL SAHIB) LTD.

[Handwritten Signature]

Authorised Signatory

ATTESTED

[Handwritten Date: 20/5/2020]

Mohd. Hameed Khan

B.A.B.Ed., I.L.B.

ADVOCATE & NOTARY

No. 1-8 195/19/C, Viquar Nagar

Begumpet, Secunderabad.

Ph. 9391025702

BEFORE THE PUNJAB STATE ELECTRICITY REGULATORY COMMISSION, CHANDIGARH

PETITION No. of 2020

IN THE MATTER OF :

Petition for approval of Aggregate Revenue Requirement and determination of tariff for sale of energy generated by 2X270 MW Goindwal Sahib Thermal Power Plant at Goindwal Sahib, Punjab for the control period FY 2020-21 to 2022-23 in terms of Section 62 , Section 86 and Section 94 of the Electricity Act 2003 along with "Punjab State Electricity Regulatory Commission (Terms and Conditions for Determination of Generation, Transmission, Wheeling and Retail Supply Tariff) Regulations, 2019" (PSERC MYT Regulations 2019).

IN THE MATTER OF :

GVK Power (Goindwal Sahib) Limited

Plot No. 10 Paigah House,

Sardar Patel Road,

Secunderabad – 500003

...Petitioner

Versus

Punjab State Power Corporation Limited,

The Mall, Patiala (Punjab)

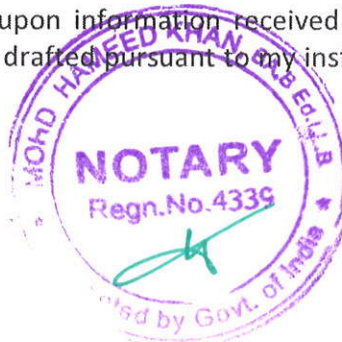
...Respondent

Affidavit

I P Rama Mohana Rao, Son of Shri. P Krishna Murthy, aged about 60 years, Resident of E-308, SVSS Colony, 1st Street, Czech Colony, Sanath Nagar, Hyderabad, the authorised representative of the Petitioner, do hereby solemnly affirm and state as follows :

1. I say that I am duly authorized and competent to affirm this Affidavit for and on behalf of the GVK Power (Goindwal Sahib) Limited and I am acquainted with the facts and circumstances of the present case. I say that I have read and understood the contents of the accompanying Rejoinder.

2. I state that the facts stated in the accompanying Rejoinder are true and correct to the best of my knowledge based on the records of the Petitioner and that the legal submissions made therein are based upon information received by me and believed to be true. The present Petition has been drafted pursuant to my instructions and its contents are true and correct.



For GVK POWER (GOINDWAL SAHIB) LTD.

Authorised Signatory

3. I say that the annexures, annexed with the Petition are true copies of the original.

4. I say that no similar petitioner or writ petition or suit or appeal regarding the matter in respect of which this Rejoinder is preferred is pending before any court or any other authority.

For GVK POWER (GONDWAL SAHIB) LTD.


Deponent
Authorised Signatory

Verification:

I, the deponent above named do hereby verify that the contents of my above affidavit are true to my knowledge and belief; no part of it is false and nothing material has been concealed there from.

Verified at Hyderabad on the 31st day of March, 2020

For GVK POWER (GONDWAL SAHIB) LTD.


Deponent
Authorised Signatory



ATTESTED


Mohd. Hameed Khan

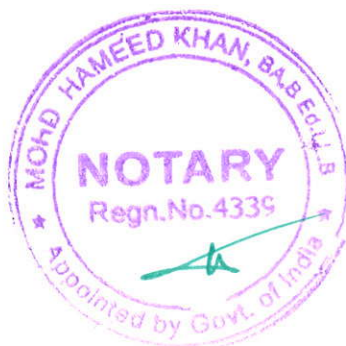
B.A.B.Ed., I.L.B.
ADVOCATE & NOTARY
H.No. 1-8 195/19/C, Vihar Nagar
Begumpet, Secunderabad.
Ph. 9391025702

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Note:

1. These formats (in Excel format) need to be furnished, Unit wise for all the Generating Stations.
2. Electronic Copy of the Petition (in Word format) and detailed calculation as per these formats (in Excel format) and any other information submitted shall also be furnished in the electronic form.
3. Formats may be suitably amended where ever required, and additional formats may be designed for any additional information to be submitted alongwith the Petition.



For GVK POWER (GOINDWAL SAHIB) LTD.

 Authorised Signatory

Form G1

Aggregate Revenue Requirement

S. No.	Particulars	(Rs. Crore)					
		Previous Year Actual 2018-19	Current Year Estimated 2019-20	Control Period Projection 1st Year 2020-21	Control Period Projection 2nd Year 2021-22	Control Period Projection 3rd Year 2022-23	
A Receipts							
1	Revenue from Sale of Power at Current Tariff	1,511.24	1,156.07	1,662.38	1,662.38	1,662.38	
2	Gross Generation (MU)	2436	1363	2602	2602	2602	
3	Auxiliary Consumption (%)	9.56%	9.28%	9.00%	9.00%	9.00%	
4	Net Generation (MU)	2203	1236	2368	2368	2368	
B Expenditure							
1	Fuel Cost	1,112.36	555.66	1,102.17	1,145.00	1,189.51	
a)	Primary Fuel Cost	1,106.31	552.00	1,095.19	1,138.02	1,182.53	
b)	Secondary Fuel Cost	6.05	3.65	6.98	6.98	6.98	
2	SLDC Fees & Charges	-	-	-	-	-	
3	O&M expenses	67.83	91.56	159.98	167.33	179.68	
a)	R&M Expenses	28.08	33.55	99.00	103.24	112.31	
b)	Employee Expenses	12.67	14.93	15.70	16.50	17.34	
c)	A&G Expenses	27.08	43.08	45.28	47.59	50.03	
4	Depreciation	205.36	146.55	146.57	146.57	162.00	
5	Interest on Loans	357.07	216.72	197.38	178.00	182.59	
6	Interest on Working Capital	90.85	82.70	87.11	89.77	93.84	
7	Prior Period Expense	-	-	-	-	-	
8	Extraordinary Items	-	-	-	-	-	
9	Other Debts and Write-offs	-	-	-	-	-	
10	Income Tax	-	-	-	-	-	
Subtotal Expenditure (1+2+3+4+5+6+7+8+9+10)		1,833.46	1,093.18	1,693.21	1,726.67	1,807.62	
C	Return on Equity	142.83	142.87	142.89	142.89	155.45	
D	Non Tariff and other Income	0.27	-	-	-	-	
E	Aggregate Revenue Requirement (B+C-D)	1,976.03	1,236.05	1,836.10	1,869.57	1,963.07	
F	Surplus(+)/ Shortfall (-)	-464.79	-79.98	-173.72	-207.19	-300.69	



GVK POWER (GOINDWAL SAHIB) LTD.

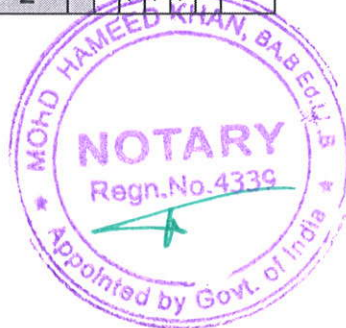
Authorised Signatory

Form G2

Operations and Maintenance Expenses Summary

(Rs. Crore)

S. No.	Particulars	Tariff Order (a)	Previous Year		Deviation (c) = (b) - (a)	Control Period			
			April-March (Audited) (b)	2019-20		1st Year Projected 2020-21	2nd Year Projected 2021-22	3rd Year Projected 2022-23	
1	O&M Expenses								
1.1	Employee Expenses		14.93			15.70	16.50	17.34	
1.2	R&M Expenses		33.55			99.00	103.24	112.31	
1.3	A&G Expenses		43.08			45.28	47.59	50.03	
2	O&M Expense capitalised		-			-	-	-	
3	Total Operation & Maintenance Expenses (net of capitalisation)		91.56			159.98	167.33	179.68	



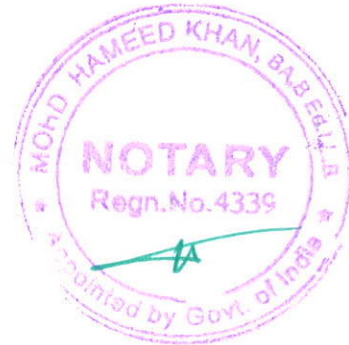
For GVK POWER (GOINDWAL SAHIB) LTD.

Authorised Signatory

Form G3

Operations and Maintenance Expenses Normative

S. No.	Particulars	Approved O&M Expenses		3-Year Average (d) = [(a)+(b)+(c)]/3	MYT Control Period						(Rs. Crore)		
		FY 2018-19			FY 2019-20		1st Year		2nd Year			3rd Year	
		(b)	(c)		Normative	Projected	Normative	Projected	Normative	Projected		Normative	Projected
1	Employee Expenses				15.70	15.70	15.70	16.50	16.50	16.50	17.34	17.34	
2	A&G Expenses				45.28	45.28	45.28	47.59	47.59	47.59	50.03	50.03	
3	R & M Expenses				99.00	99.00	99.00	103.24	103.24	103.24	112.31	112.31	
4	Total O&M Expenses				159.98	159.98	159.98	167.33	167.33	167.33	179.68	179.68	



For GVK POWER (GOINDWAL SAHIB) LTD.

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Annexure A

22

Appendix-1 Form G4

Escalation of Index

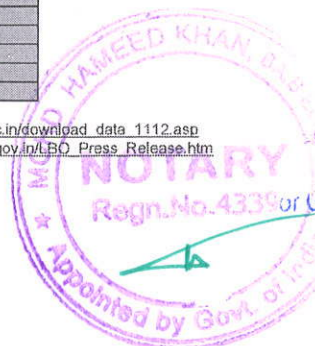
Information regarding Wholesale Price Index (All Commodities) & Consumer Price Index

S.No	Period	WPI	WPI Y-O-Y Change	CPI	CPI Y-O-Y Change	INDEX n / INDEX n-1
1	Average (April-2014 to Mar-2015)	113.88		250.83		
2	Average (April-2015 to Mar-2016)	109.72		265.00		
3	Average (April-2016 to Mar-2017)	111.62		275.92		
4	Average (April-2017 to Mar-2018)	114.88	2.92%	284.42	3.08%	3.00%
5	Average (April-2018 to Mar-2019)	119.79	4.28%	299.92	5.45%	4.85%

Month	Wholesale Price Index (All Commodities) (Base: 2011-12)	Consumer Price Index (Base 2001=100)
Mar-19	119.90	309.00
Feb-19	119.60	307.00
Jan-19	119.20	307.00
Dec-18	119.70	301.00
Nov-18	121.60	302.00
Oct-18	122.00	302.00
Sep-18	120.90	301.00
Aug-18	120.10	301.00
Jul-18	119.90	301.00
Jun-18	119.10	291.00
May-18	118.30	289.00
Apr-18	117.30	288.00
Mar-18	116.30	287.00
Feb-18	116.10	287.00
Jan-18	116.00	288.00
Dec-17	115.70	286.00
Nov-17	116.40	288.00
Oct-17	115.60	287.00
Sep-17	114.90	285.00
Aug-17	114.80	285.00
Jul-17	113.90	285.00
Jun-17	112.70	280.00
May-17	112.90	278.00
Apr-17	113.20	277.00
Mar-17	113.20	275.00
Feb-17	113.00	274.00
Jan-17	112.60	274.00
Dec-16	111.70	275.00
Nov-16	111.90	277.00
Oct-16	111.50	278.00
Sep-16	111.40	277.00
Aug-16	111.20	278.00
Jul-16	111.80	280.00
Jun-16	111.70	277.00
May-16	110.40	275.00
Apr-16	109.00	271.00
Mar-16	107.70	268.00
Feb-16	107.10	267.00
Jan-16	108.00	269.00
Dec-15	109.40	269.00
Nov-15	109.90	270.00
Oct-15	110.10	269.00
Sep-15	109.90	266.00
Aug-15	110.00	264.00
Jul-15	111.10	263.00
Jun-15	111.80	261.00
May-15	111.40	258.00
Apr-15	110.20	256.00
Mar-15	109.90	254.00
Feb-15	109.60	253.00
Jan-15	110.80	254.00
Dec-14	112.10	253.00
Nov-14	114.10	253.00
Oct-14	115.60	253.00
Sep-14	116.40	253.00
Aug-14	117.20	253.00
Jul-14	116.70	252.00
Jun-14	115.20	246.00
May-14	114.80	244.00
Apr-14	114.10	242.00

Source <http://eaindustry.nic.in>
<http://labourbureau.gov.in>

https://eaindustry.nic.in/download_data_1112.asp
http://labourbureau.gov.in/LBO_Press_Release.htm



Authorised Signatory
 GVK POWER (GOINDWAL SAHIB) LTD.

Annexure A

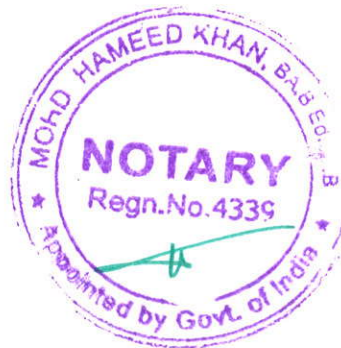
Form G4

Employee Expenses

S.No	Particulars	(Rs. Crore)				
		Previous Year Actual	Current Year Estimated	Control Period Projections		
				1st Year	2nd Year	3rd Year
		2018-19	2019-20	2020-21	2021-22	2022-23
A	Employee Cost (Other than covered in 'C&D')					
1	Salaries	11.50	13.68	14.38	15.11	15.89
2	Dearness Allowance (DA)					
3	Other Allowances					
4	Interim Relief / Wage Revision					
5	Overtime					
6	Bonus					
7	Generation Incentive					
8	Any Other Item (specify)					
	Sub Total	11.50	13.68	14.38	15.11	15.89
B	Other Costs					
1	Medical Expenses Reimbursement					
2	Travelling Allowance/Conveyance Allowance)					
3	Leave Travel Assistance	0.08	0.08	0.08	0.09	0.09
4	Payment Under Workman's Compensation Act					
5	Electricity Concession to Employees					
6	Other Staff Welfare Expenses	0.10	0.12	0.13	0.13	0.14
7	Any Other Item (specify)					
	Sub Total	0.18	0.20	0.21	0.22	0.23
C	Apprentice and Other Training Expenses					
D	Contribution to Terminal Benefits					
1	Earned Leave Encashment	0.24	0.24	0.25	0.27	0.28
2	Provident Fund Contribution	0.59	0.60	0.63	0.66	0.70
3	Provision for PF Fund					
4	Pension					
5	Gratuity	0.15	0.21	0.22	0.24	0.25
6	Ex-gratia					
7	Any Other Item (specify)					
	Sub Total	0.99	1.05	1.11	1.16	1.22
E	Grand Total (A+B+C+D)	12.67	14.93	15.70	16.50	17.34
F	Employee Expenses Capitalized					
G	Net Employee Expenses (E)-(F)	12.67	14.93	15.70	16.50	17.34

Note :

1. The above information is to be provided Generating Station unit wise and in consolidated form in case of Generation Business, whether carried out by Distribution Licensee or by any Generating Company or by BBMB.



For GVK POWER (GOINDWAL SAHIB) LTD.

[Signature]
Authorized Signatory

Form G5

Employee Strength.

S.No.	Particulars	Previous Year		Current Year		Control Period					
		Actuals		Estimated		1st Year		2nd Year		3rd Year	
		Working At The Beginning Of The Year	Sanctioned At The Beginning Of The Year	Working At The Beginning Of The Year	Sanctioned At The Beginning Of The Year	Working At The Beginning Of The Year	Sanctioned At The Beginning Of The Year	Working At The Beginning Of The Year	Sanctioned At The Beginning Of The Year	Working At The Beginning Of The Year	Sanctioned At The Beginning Of The Year
		2018-19		2019-20		2020-21		2021-22		2022-23	
		101	142	101	142	101	142	101	142	101	142
1	Technical										
2	Class I										
3	Class II										
4	Class III										
4	Class IV										
	Non - Technical	27	30	27	30	27	30	27	30	27	30
1	Class I										
2	Class II										
3	Class III										
4	Class IV										
	Total	128	172	128	172	128	172	128	172	128	172



For GVK POWER (GOINDWAL SAHIB) LTD.

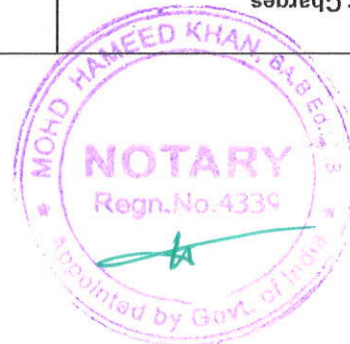
 Authorised Signatory

Form G6

Administration & General Expenses

(Rs. Crore)

S.No	Particulars	Previous Year		Current Year	Control Period		
		2018-19			2020-21	2021-22	2022-23
		Actual	Estimated	2019-20	1st Year	2nd Year	3rd Year
1	Lease/ Rent	0.06	0.08	0.08	0.08	0.09	0.09
2	Insurance	2.85	7.25	7.25	7.62	8.01	8.42
3	Revenue Stamp Expenses Account						
4	Telephone, Postage, Telegram & Telex Charges	0.08	0.13	0.13	0.14	0.15	0.16
5	Incentive & Award to Employees/Outsiders	-	-	-	-	-	-
6	Technical Fees	-	-	-	-	-	-
7	Other Professional Charges	-	-	-	-	-	-
8	Conveyance and Travelling Expenses	0.98	1.03	1.03	1.08	1.14	1.19
9	License and Registration Fees	-	-	-	-	-	-
10	Vehicle Expenses (Other Than Trucks and Delivery Vans)	-	-	-	-	-	-
	Vehicles Running Expenses						
	Petrol and Oil	0.38	0.38	0.38	0.40	0.42	0.45
	Hiring of Vehicles	3.02	3.79	3.79	3.98	4.19	4.40
11	Security / Service Charges Paid to Outside Agencies	7.36	12.66	12.66	13.31	13.99	14.71
	Sub Total 'A' (1 to 12)						
1	Fee and Subscription for Books and Periodicals	0.003	0.00	0.00	0.00	0.004	0.00
2	Printing and Stationery Expenses	0.06	0.21	0.21	0.22	0.23	0.24
3	Advertisement Expenses (Other than Purchase Related) Exhibition & Demo.	0.05	-	-	-	-	-
4	Contributions/Donations to Outside Institutes / Associations	0.001	-	-	-	-	-
5	Electricity Charges of Offices	4.35	10.20	10.20	10.72	11.24	11.82
6	Water Charges		1.47	1.47	1.54	1.62	1.70
7	Entertainment Charges		-	-	-	-	-
8	Miscellaneous Expenses (specify details)		-	-	-	-	-
	Rates and Taxes	1.12	1.08	1.08	1.14	1.19	1.25
	Guest House Maintenance	0.00	0.00	0.00	0.00	0.003	0.00
	Horticulture Expenses, Greenbelt Maintenance	0.22	0.30	0.30	0.31	0.33	0.34
	Office Maintenance	0.85	1.05	1.05	1.11	1.16	1.22
	Membership & Subscription	0.02	0.07	0.07	0.07	0.08	0.08
	B. Other Charges						



For GVK POWER (GOINDWAL SAHIB) LTD.

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Form G6

Administration & General Expenses

S.No	Particulars	Previous Year		Current Year	Control Period		
		Actual	Estimated		1st Year	2nd Year	3rd Year
				Estimated	Projected		
	Dispensary Expenses	0.00	-	-	-	-	-
	Canteen Expenses	0.37	0.28	0.29	0.30	0.32	0.32
	Coal Testing Charges	1.18	1.83	1.93	2.02	2.12	2.12
	Ash Handling Charges	3.10	3.04	3.19	3.35	3.52	3.52
9	Other Administrative Exp	0.14	0.24	0.25	0.26	0.28	0.28
	Sub-Total 'B' (1 To 8)	11.49	19.77	20.78	21.79	22.91	22.91
C.	Legal Fee Professional Fees and Consultancy Charges	8.16	10.54	11.08	11.62	12.22	12.22
D.	Auditor's Fee	0.07	0.10	0.11	0.11	0.12	0.12
	1 Vehicle Running Expenses Truck / Delivery Van						
	2 Vehicle Hiring Expenses Truck / Delivery Van						
	3 Other Freight						
	4 Transit Insurance						
	5 Octroi						
	6 Incidental Stores Expenses						
	7 Fabrication Charges						
	Sub Total 'E' (1 To 7)	-	-	-	-	-	-
F.	Direction And Supervision Charges						
G.	Tariff determination fee payable to the Commission	-	-	-	-	-	-
	Grand Total (A To G)	27.08	43.08	45.28	47.59	50.03	50.03
	Total Charges Chargeable To	27.08	43.08	45.28	47.59	50.03	50.03
H.	Capital Works (-)						
	Revenue Expenses						

Demurrage Charges

Note :

1. The above information is to be provided Generating Station-wise and in consolidated form in case of Generation Business, whether carried out by Distribution Licensee or by any Generating Company or by BBMB.



For GVK POWER (GOINDWAL SAHIB) LTD.

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Form G7

Repair & Maintenance Expenditure

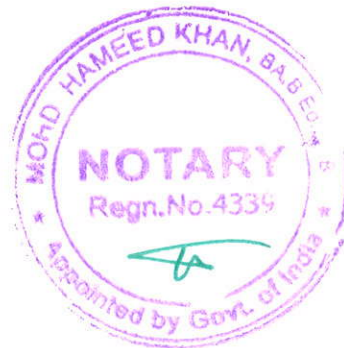
S. No	Particulars	Previous Year		Current Year		Control Period		
		Actual		Estimated		Projection		
		2018-19	2019-20	2020-21	2021-22	2022-23		
1	Plant and Machinery	1.48	2.87	35.00				
	- Boiler	-						
	- Turbine	-						
	- Generator	-						
	- Others (specify)	1.06	1.54	5.00				
2	Buildings	0.30	0.19	2.00				
3	Civil Works	-		10.00				
4	Hydraulic Works	-						
5	Lines, Cable Networks etc.	-						
6	Vehicles	-						
7	Furniture and Fixtures	-						
8	Office Equipments	-						
9	Station Supplies	-						
10	Any other item (specify)	-						
	Contract labour	13.61	13.79	21.00				
	Consumables, Stores and Spares	11.64	15.16	26.00				
11	Total R&M Expenses (1 to 10)	28.08	33.55	99.00	103.24	112.31		
12	R&M Expenses Capitalized							
13	Net R&M Expenses (11-12)	28.08	33.55	99.00	103.24	112.31		

Note :

1. The above information is to be provided Generating Station-wise and in consolidated form in case of Generation Business, whether carried out by Distribution Licensee or by any Generating Company or by BBMB.

Projection of R&M Expenses:

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23
1	Opening GFA	3,072.11	3,072.97	3,072.97	3,072.97
2	Closing GFA	3,072.97	3,072.97	3,072.97	3,612.97
3	Average GFA	3,072.54	3,072.97	3,072.97	3,342.97
4	K factor	1.09%	3.22%	3.22%	3.22%
5	R&M Expenses	33.55	99.00	103.24	112.31



For GVK POWER (GOINDWA SAHIB) LTD.

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Appendix-1 Form GB

(Rs. in crore)								
S.No	Particulars	Assets Value at the beginning of the Year	Value of Assets added/ Disposed off during the year	Asset Value at the End of the Year	Rate of Depreciation (as per CEREC 2019-24 Tariff Regulations)	Depreciation Charges	Accumulated Depreciation	Justification for additional capitalization
1	Freehold land	96.75	-	96.75	0.00%	0.00%		
2	Plant and equipment	2,446.51	0.60	2,447.11	5.28%	128.00		
3	Capital Spares	12.90	-	12.90	3.34%	430.29		
4	Buildings	495.29	-	495.29	3.34%	165.45		
5	Computers	0.63	0.01	0.64	15.00%	0.09		
6	Office equipment	1.12	0.14	1.26	6.33%	0.08		
7	Furniture and fixtures	1.25	0.02	1.27	6.33%	0.08		
8	Vehicles	0.53	-	0.53	9.50%	0.05		
9	Computer software	0.12	-	0.12	10.00%	0.01		
10	Right to Use Railway Line	23.94	-	23.94	0.00%	-		
	Total	3,072.37	0.86	3,073.23	4.77%	146.57	986.03	

(Rs. in crore)								
S.No	Particulars	Assets Value at the beginning of the Year	Value of Assets added/ Disposed off during the year	Asset Value at the End of the Year	Rate of Depreciation (as per CEREC 2019-24 Tariff Regulations)	Depreciation Charges	Accumulated Depreciation	Justification for additional capitalization
1	Freehold land	96.75	-	96.75	0.00%	0.00%		
2	Plant and equipment	2,446.51	-	2,446.51	5.28%	128.00		
3	Capital Spares	12.90	-	12.90	3.34%	430.29		
4	Buildings	495.29	-	495.29	3.34%	165.45		
5	Computers	0.63	-	0.63	15.00%	0.09		
6	Office equipment	1.26	-	1.26	6.33%	0.08		
7	Furniture and fixtures	1.25	-	1.25	6.33%	0.08		
8	Vehicles	0.63	-	0.63	9.50%	0.06		
9	Computer software	0.12	-	0.12	10.00%	0.01		
10	Right to Use Railway Line	23.94	-	23.94	0.00%	-		
	Total	3,072.37	-	3,072.37	4.77%	146.57	731.80	

(Rs. in crore)								
S.No	Particulars	Assets Value at the beginning of the Year	Value of Assets added/ Disposed off during the year	Asset Value at the End of the Year	Rate of Depreciation (as per CEREC 2019-24 Tariff Regulations)	Depreciation Charges	Accumulated Depreciation	Justification for additional capitalization
1	Freehold land	96.75	-	96.75	0.00%	0.00%		
2	Plant and equipment	2,446.20	-	2,446.20	5.28%	127.86		
3	Capital Spares	12.90	-	12.90	3.34%	429.81		
4	Buildings	495.29	-	495.29	3.34%	165.16		
5	Computers	0.63	-	0.63	15.00%	0.09		
6	Office equipment	1.26	-	1.26	6.33%	0.08		
7	Furniture and fixtures	1.25	-	1.25	6.33%	0.08		
8	Vehicles	0.63	-	0.63	9.50%	0.06		
9	Computer software	0.12	-	0.12	10.00%	0.01		
10	Right to Use Railway Line	23.94	-	23.94	0.00%	-		
	Total	3,072.37	-	3,072.37	4.77%	146.57	876.18	

Computation of Depreciation (for FY 2019-20 Estimation)	
Particulars	Amount (Rs. Crore)
Opening Capital Cost	3,072.11
Less: Undischarged liabilities included in above	-
Opening Capital Cost excluding undischarged liabilities	3,072.11
Additional capitalization during the year	0.86
Less: Undischarged liabilities included in additional capitalization	-
Add: Liabilities discharged during the year	3,072.97
Closing Capital Cost	3,072.97
Average Capital Cost	96.75
Freehold land	4.77%
Rate of depreciation	2,618.21
Remaining depreciable value	346.55
Depreciation (annualised)	146.57
Depreciation (for the period)	146.55
Cumulative depreciation at the end of the period	985.03

Computation of Depreciation (for FY 2020-21 Projection)	
Particulars	Amount (Rs. Crore)
Opening Capital Cost	3,072.97
Less: Undischarged liabilities included in above	-
Opening Capital Cost excluding undischarged liabilities	3,072.97
Additional capitalization during the year	-
Less: Undischarged liabilities included in additional capitalization	-
Add: Liabilities discharged during the year	3,072.97
Closing Capital Cost	3,072.97
Average Capital Cost	96.75
Freehold land	0.76%
Rate of depreciation	2,618.68
Remaining depreciable value	146.57
Depreciation (annualised)	146.57
Depreciation (for the period)	146.57
Cumulative depreciation at the end of the period	731.60

Computation of Depreciation (for FY 2021-22 Projection)	
Particulars	Amount (Rs. Crore)
Opening Capital Cost	3,072.97
Less: Undischarged liabilities included in above	-
Opening Capital Cost excluding undischarged liabilities	3,072.97
Additional capitalization during the year	-
Less: Undischarged liabilities included in additional capitalization	-
Add: Liabilities discharged during the year	3,072.97
Closing Capital Cost	3,072.97
Average Capital Cost	96.75
Freehold land	0.76%
Rate of depreciation	2,618.68
Remaining depreciable value	146.57
Depreciation (annualised)	146.57
Depreciation (for the period)	146.57
Cumulative depreciation at the end of the period	878.18

For GVK POWER (GOINDWAL SAHIB) LTD.

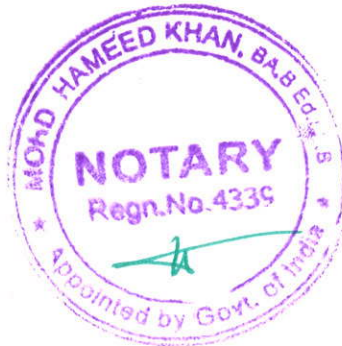
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S.No	Particulars	2022-23 (Projected)				Rate of Dep	Accumulated Dep	Justification for additional capitalization
		Assets Value at the beginning of the Year	Value of Assets added / Disposed off during the year	Assets Value at the End of the Year	Change in Dep. (2019-24 Tariff Regulations)			
1	Freehold land	96.75	-	96.75	0.00%	-		
2	Plant and equipment	2,448.20	540.00	2,988.20	5.28%	-	The expenditure is for the proposed installation of FGD in order to comply with the Revised Notification dated 07.12.2015 issued by Ministry of Environment, Forest and Climate Change ("MOEFCC"), The Hon'ble Minister of Heavy Industries and Public Enterprises, Government of India, vide notification under Reg. 18.2(c) of the PSEEC Tariff Regulations 2010.	
3	Capital Spares	12.90	-	12.90	5.28%	-		
4	Buildings	489.29	-	489.29	3.34%	-		
5	Computers	0.53	-	0.53	19.00%	-		
6	Office equipment	1.26	-	1.26	6.33%	-		
7	Leasehold land	0.62	-	0.62	6.33%	-		
8	Vehicles and Buses	0.62	-	0.62	15.00%	-		
9	Computer software	0.12	-	0.12	0.00%	-		
10	Right to Use Railway Line	33.94	-	33.94	0.00%	-		
	Total	3,072.97	540.00	3,612.97	4.85%	1,940.18		

Computation of Depreciation (for FY 2022-23 Projection)

Particulars	Amount (Rs. Crore)
Opening Capital Cost	3,072.97
Less: Undischarged liabilities included in additional capitalization	540.00
Additional capitalization during the year	-
Less: Undischarged liabilities included in additional capitalization	-
Additional capitalization during the year	3,072.97
Closing Capital Cost	3,442.97
Average Capital Cost	96.75
Rate of depreciation	4.85%
Remaining depreciable value	2,921.68
Depreciation (for the period)	182.00
Depreciation (for the period)	182.00
Cumulative depreciation at the end of the period	1,940.18



of GVK POWER (GOINDWAL SAHIB) LTD.
G R K
 Authorised Signatory

Form G8

Fixed Assets & Provision for Depreciation (Rs. Crore)

S. No	Particulars	Amount (Rs. Crore) (A)	Contribution from Subsidiaries/ Grants/ Beneficiaries' Contribution / Consumers (B)	Value of Asset eligible for depreciation (A-B)	Rate of Depreciation (%)	Previous Year 2018-19			Current Year 2019-20			Control Period 2012-13					
						Fixed Assets, excluding Consumer Contribution/ Grants/Subsidies	At the end of the Year	Depreciation	Total Depreciable base	Fixed Assets, excluding Consumer Contribution/ Grants/Subsidies	At the end of the Year	Depreciation	Total Depreciable base	Fixed Assets, excl Consumer / Grant	Addition During Year	Adjustments & Deduction	
						At the start of the Year	Addition during the Year	Deduction	Total Depreciable base	At the start of the Year	Addition during the Year	Deduction	Total Depreciable base	Start of the Year	Addition During Year	Adjustments & Deduction	
1	Land owned under full title																
2	Land held under lease																
	For investment in land																
	For cost of cleaning site																
3	Land reserved for future use																
	Assets reserved for future use																
a)	Plant and machinery in generating stations																
	i) Hydro-electric																
	ii) Steam-electric NHRS & Waste Heat Recovery Boilers / Plants																
	iii) Diesel electric & gas plant																
b)	Cooling towers and circulating water systems																
c)	Hydraulic works forming part of hydro-electric system including:																
	i) Dams, spillways, weirs, canals, reinforced concrete flumes & siphons																
	Reinforced concrete pipelines and surge tanks, steel pipelines, sluice gates, steel surge tanks; hydraulic control valves and other hydraulic works																
d)	Building & civil engineering works of a permanent character not mentioned above																
	i) Bridges & viaducts																
	ii) Concreting																
	iii) Containing hydro-electric generating plant																
	iv) Temporary erection such as wooden structures																
	v) Roads other than kuzcha roads																
	vi) Others																
e)	Transformers, transformer (kiosk) sub-station equipment & other fixed apparatus (including plant/foundations)																
f)	Transformers (including foundations) having a rating of 100 kva volt amperes and over																
	i) Others																
	ii) Switchgear, including cable connectors																
	iii) Lightning arrestors																
	iv) Station type																
	v) Pole type																
	vi) Synchronous condenser																
	vii) Unarmoured cable including joint boxes and disconnected boxes																
	viii) Cable duct system																
k)	Overhead lines including supports:																
	i) Lines on fabricated steel operating at nominal voltages higher than 66 KV																
	ii) Lines on steel supports operating at nominal voltages higher than 10.2 KV but not exceeding 65 KV																
	iii) Lines on steel or reinforced concrete supports																
	iv) Lines on treated wood supports																
	l) Meters																
	m) Self propelled vehicles																
	n) Air conditioning plants																
	o) Stairs																
	p) Cranes																
	q) Office furniture and fittings																
	r) Office equipments																
	s) Motor vehicles including fitings and apparatus																
	t) Lifts, escalators, elevators																
	u) Other fixed plant, fittings																
	v) Other heavy equip																
	w) Other heavy equip																
	x) Communication equipment																
	y) Radio and high frequency carrier systems																
	z) Telephone lines and cables																
	aa) T. Equipments																
	ab) By other Assets not covered above (specify)																
	Total																

Refer Appendix-1 of G8

Note :

- The above information is to be provided Generation Station-wise and in consolidated form in case of Generation Business, whether carried out by Distribution Licensee or by any Generating Company or by BSBM.
- Rate of depreciation for the assets after a period of 12 years from the date of commercial operation is to be provided as per MPT Regulation.
- Addition during the Year for each year shall be matched with the Total Transfer to CFA as per format for CFA.



GVK POWER (GOINDWAL SAHIB) LTD.
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Annexure A

Form G8

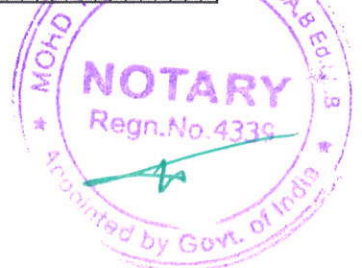
Fixed Assets & Provision for Depreciation

(Rs. Crore)

S. No	Particulars	1st year (2020-21)			2nd year (2021-22)			3rd year (2022-23)		
		Fixed Assets, excluding Consumer Contribution/Grants/Subsidies	Total Depreciable base	At the end of the year	Fixed Assets, excluding Consumer Contribution/Grants/Subsidies	Total Depreciable base	At the end of the year	Fixed Assets, excluding Consumer Contribution/Grants/Subsidies	Total Depreciable base	At the end of the year
1	Land owned under full title									
2	Land held under lease									
a)	For investment in land									
b)	For cost of clearing site									
3	Land for reservoir in case of hydro generating plant									
a)	Assets Purchased New									
b)	Assets transferred in generating stations									
ii)	Steam-electric, NHPS & Waste Heat Recovery Boilers / Plants									
iii)	Diesel electric & gas plant									
b)	Cooling towers and circulating water systems									
c)	Hydraulic works forming part of hydro-electric system including:									
i)	Dams, spillways, weirs, canals, reinforced concrete flumes & siphons									
ii)	Reinforced concrete pipelines and surge tanks, steel pipelines, sluice gates, steel surge tanks, hydraulic control valves and other hydraulic works									
d)	Building & civil engineering works of a permanent character, not mentioned above:									
i)	Concrete & masonry									
ii)	Concrete hydro-electric generating plant									
iii)	Concrete hydro-electric generating plant									
iv)	Temporary erection towers, suspension structures									
v)	Roads other than katcha roads.									
vi)	Others									
e)	Transformers, transformer (local) sub-station equipment & other fixed apparatus (including plant foundations)									
f)	Transformers (including foundations) having a rating of 100 kilo volt amperes and over:									
iii)	Others									
g)	Switchgear, including cable connectors									
h)	Lightning arrestors									
i)	Station type									
ii)	Pole type									
iii)	Synchronous condenser									
h)	Batteries									
i)	Underground cable including joint boxes and accessories									
j)	Overhead lines including supports:									
ii)	Lines on fabricated steel operating at nominal voltages higher than 66 KV									
iii)	Lines on steel supports operating at nominal voltages higher than 13.2 KV but not exceeding 66 KV									
iv)	Lines on steel or reinforced concrete supports									
v)	Lines on treated wood supports									
l)	Meters									
m)	Self propelled vehicles									
n)	Air conditioning plants									
o)	Static									
p)	Portable									
q)	Others									
r)	Office furniture and fittings									
s)	Office equipments									
t)	Street lighting									
u)	Street Light fittings									
v)	Apparatus laid on fire:									
ii)	Other than motors									
iii)	Motors									
q)	Communication equipment									
v)	Radio and higher frequency carrier systems									
ii)	Telephone lines and telephones									
g)	V.F.E. equipments									
s)	Any other Assets not covered above (specify)									
	Total									

Note :

- The above information is to be provided Generating Station-wise and in consolidated form in case of Generation Business, whether carried out by Distribution Licensee or by any Generating Company or by BMB.
- Rate of depreciation for the assets after a period of 12 years from the date of commercial operation is to be provided as per MYT Regulation.
- Addition during the Year for each year shall be matched with the Total Transfer to GFA as per formats for Capex.



GVK POWER (GOINDWAL SAHIB) LTD.

Authorised Signatory

Form G10

Return on Equity

(Rs. Crore)

S. No	Particulars	Previous Year	Current Year	Control Period		
		Actual	Estimated	1st Year	2nd Year	3rd Year
		2018-19	2019-20	2020-21	2021-22	2022-23
1	Opening Balance of Equity	921.38	921.63	921.89	921.89	921.89
2	Normative Equity addition @ 30% due to additional capitalization during the year	0.25	0.26	-	-	162.00
3	Actual Equity addition during the year (as per Annual Accounts)					
4	Normative Equity addition considered for ROE computation (=Minimum of 'b' and 'c')	0.25	0.26	-	-	162.00
5	Closing Balance of Equity (= a + d)	921.63	921.89	921.89	921.89	1,083.89
6	Average Equity (= Average of a and e)	921.51	921.76	921.89	921.89	1,002.89
4	Rate of Return (%)*	15.50%	15.50%	15.50%	15.50%	15.50%
5	ROE (= f x g)	142.83	142.87	142.89	142.89	155.45

* To be based on rate applicable as per Regulations.

For GVK POWER (GOINDWAL SAHIB) LTD.



 Authorised Signatory


Form G13

Capital Works in Progress

S. No.	Particulars	Previous Year (2018-19)				Current Year (2019-20)				
		Opening Balance	Additions	Capitalisation	Adjustments	Closing Balance	Additions	Capitalisation	Adjustments	Closing Balance
1	GPGSL	-	-	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-	-	-	-

Note :

1. The above information is to be provided Generating Station-wise and in consolidated form in case of Generation Business, whether carried out by Distribution Licensee or by any Generating Company or by BBMB.

for GVK POWER (GOINDWAL SAHIB) LTD.

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Form G11

Loan master for all loans

Particulars	Previous Year 2018-19			Current Year 2019-20			1st Year 2020-21			2nd Year 2021-22			3rd Year 2022-23			Closing Balance				
	Opening Balance	Repayments	Additions	Closing Balance	Opening Balance	Repayments	Additions	Closing Balance	Opening Balance	Repayments	Additions	Closing Balance	Opening Balance	Repayments	Additions					
Secured Loans																				
TL-1	2,395.15	-	-	2,395.15	2,395.15	58.90	-	2,336.25	2,336.25	11.88	-	2,324.37	2,324.27	118.81	-	2,204.46	2,204.46	118.81	-	2,084.65
TL-2	498.32	-	-	498.32	498.32	12.41	-	485.91	485.91	2.48	-	481.43	481.43	24.82	-	456.62	456.62	24.82	-	431.80
TL-3	470.49	-	-	470.49	470.49	11.76	-	458.73	458.73	2.35	-	456.38	456.38	23.52	-	432.85	432.85	23.52	-	409.33
TL-4	137.88	-	-	137.88	137.88	3.44	-	134.24	134.24	0.69	-	135.35	135.35	6.96	-	128.37	128.37	6.96	-	119.78
Total	3,500.65	-	-	3,500.65	3,500.65	87.52	-	3,413.13	3,413.13	17.50	-	3,396.83	3,396.83	176.03	-	3,220.89	3,220.89	176.03	-	3,044.56

Notes:

1. Source of Loan means the agency from whom the loan has been taken, such as PFC, REC, ADD etc.

of GVK POWER (GOINDWAL SAHIB) LTD.

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Form G14

Interest and Finance Charges

S. No.	Loan Source	Rate of Interest (%)				Interest Due															
		Previous Year		Control Period		Previous Year		Control Period													
		2018-19	2019-20	2020-21	2021-22	2018-19	2019-20	2020-21	2021-22												
I	Existing Loans																				
A	Secured Loans																				
1	TL-1	13.25%	13.25%	13.25%	13.25%																
2	TL-2	13.15%	13.15%	13.15%	13.15%																
3	TL-3	13.15%	13.15%	13.15%	13.15%																
4	TL-4	13.25%	13.25%	13.25%	13.25%																
	Total (excluding Deutsche Bank loan)	13.22%	13.22%	13.22%	13.22%					235.97	216.72	197.38	178.00								182.59
B	Unsecured Loans																				
1	Loan 1																				
2	Loan 2																				
3	Loan 3																				
4	Loan 4																				
5	Sub Total																				
II	New Loans																				
A	Secured Loans																				
1	Loan 1																				
2	Loan 2																				
3	Loan 3																				
4	Loan 4																				
5	Sub Total																				
B	Unsecured Loans																				
1	Loan 1																				
2	Loan 2																				
3	Loan 3																				
4	Loan 4																				
5	Sub Total																				
III	Other Interest & Finance Charges																				
1	Cost of raising Finance / Bank Charges																				
2	Interest on Security Deposit																				
3	Penal Interest Charges																				
4	Lease Rentals																				
5	Sub Total																				
D	Grand Total of Interest & Finance Charges (I.A.3 + I.B.5 + I.II.5 + III.5)																				
E	Less: Interest & Finance Charges Capitalised																				
F	Net Interest & Finance Charges (D - E)									235.97	216.72	197.38	178.00								182.59

Note :

- The above information is to be provided Generating Station-wise and in consolidated form in case of Generation Business, whether carried out by Distribution Licensee or by any Generating Company or by BEMSE.



For GVK POWER (GOINDWAL SAHIB) LTD.

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Annexure A

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Appendix-1 Form G14

Calculation of Weighted Average Interest on Loan

(Rs. In Crores)

S.No	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23
		Actual	Estimated	Projected		
1	TL-1					
a	Loan opening balance	2,396.15	2,396.15	2,336.25	2,324.27	2,204.46
b	Loan closing balance	2,396.15	2,336.25	2,324.27	2,204.46	2,084.65
c	Average loan	2,396.15	2,366.20	2,330.26	2,264.36	2,144.55
d	Rate of interest	13.25%	13.25%	13.25%	13.25%	13.25%
e	Interest	317.49	313.52	308.76	300.03	284.15
2	TL-2					
a	Loan opening balance	496.32	496.32	483.91	481.43	456.62
b	Loan closing balance	496.32	483.91	481.43	456.62	431.80
c	Average loan	496.32	490.12	482.67	469.03	444.21
d	Rate of interest	13.15%	13.15%	13.15%	13.15%	13.15%
e	Interest	65.27	64.45	63.47	61.68	58.41
3	TL-3					
a	Loan opening balance	470.49	470.49	458.73	456.38	432.85
b	Loan closing balance	470.49	458.73	456.38	432.85	409.33
c	Average loan	470.49	464.61	457.55	444.62	421.09
d	Rate of interest	13.15%	13.15%	13.15%	13.15%	13.15%
e	Interest	61.87	61.10	60.17	58.47	55.37
4	TL-4					
a	Loan opening balance	137.68	137.68	134.24	133.55	126.67
b	Loan closing balance	137.68	134.24	133.55	126.67	119.78
c	Average loan	137.68	135.96	133.89	130.11	123.22
d	Rate of interest	13.25%	13.25%	13.25%	13.25%	13.25%
e	Interest	18.24	18.01	17.74	17.24	16.33
	Total					
a	Loan opening balance	3,500.65	3,500.65	3,413.13	3,395.63	3,220.59
b	Loan closing balance	3,500.65	3,413.13	3,395.63	3,220.59	3,045.56
c	Average loan	3,500.65	3,456.89	3,404.38	3,308.11	3,133.08
d	Interest	462.87	457.08	450.14	437.41	414.27
e	Rate of interest	13.22%	13.22%	13.22%	13.22%	13.22%

Calculation of Interest on Normative Loan

(Rs. In Crores)

S.No	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23
		Actual	Estimated	Projected		
1	Gross Normative Loan - Opening	2,149.89	2,150.48	2,151.08	2,151.08	2,151.08
2	Cumulative Repayment up to Previous Year (Cumulative Depreciation up to previous year)	291.97	438.48	585.03	731.60	878.18
3	Net Loan Opening	1,857.92	1,712.00	1,566.05	1,419.48	1,272.90
4	Less: Repayment During the Year (Considering Depreciation as Principal Repayment)	146.51	146.55	146.57	146.57	162.00
5	Loan Addition due to Additional Capitalization during the year (= Additional Capitalization - Normative Equity Addition considered for ROE computation)	0.59	0.60	-	-	378.00
6	Net Loan Closing	1,712.00	1,566.05	1,419.48	1,272.90	1,488.90
7	Average Loan	1,784.96	1,639.03	1,492.76	1,346.19	1,380.90
8	Weighted Average Rate of Interest on Loan (Normative for FY 2018-19 as per PSEFC 2014 Tariff Regulations)	13.22%	13.22%	13.22%	13.22%	13.22%
9	Interest on Loan	235.97	216.72	197.38	178.00	182.59



For GVK POWER (GOINDWA SAHIB) LTD.

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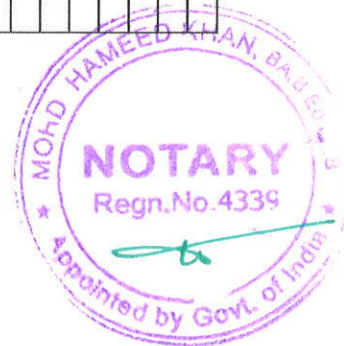
Form G15

Net Prior Period Expenses / Income

S.No.	Particulars	(Rs. Crore)		
		Previous Year Actual	Current Year Estimated	Control Period Projection
		1st Year	2nd Year	3rd Year
A	Income Relating to Previous Period			
1	Interest income relating to prior period			
2	Income Tax relating to prior period			
3	Excess Provision for Depreciation			
4	Excess Provision for Interest and Finance Charges			
5	Receipts from Consumers			
6	Other Excess Provisions			
7	Other Income			
	Sub Total A	-	-	-
B	Expenditure Relating to Previous Period			
1	Power Purchase			
2	Operating Expenses			
3	Excise Duty on Generation			
4	Employee Cost			
5	Depreciation			
6	Interest and Finance Charges			
7	A&G Expenses			
8	Withdrawal of Revenue Demand			
9	Material Related			
10	Others			
	Sub-Total B	-	-	-
	Net Prior Period Credit/(Charges) : A-B	-	-	-

Note :

- The above information is to be provided Generating Station-wise and in consolidated form in case of Generation Business, whether carried out by Distribution Licensee or by any Generating Company or by BBMB.



For GVK POWER (GOINDRAL SAHIB) LTD.

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Form G16

Debits, Write-offs and Any Other Items

S. No	Particulars	(Rs. Crore)				
		Previous Year Actual	Current Year Estimated	Control Period Projection		
				1st Year	2nd Year	3rd Year
1	Material Cost Variance					
2	Miscellaneous Losses and Written Off					
3	Bad Debt Written Off/Provided For					
4	Cost of Trading & Manufacturing Activities					
5	Net Prior Period Credit/Charges					
6	Sub Total	-	-	-	-	-
7	Less Chargeable to Capital Expenses					
8	Net Chargeable to Revenue	-	-	-	-	-

Note :

1. The above information is to be provided Generating Station-wise and in consolidated form in case of Generation Business, whether carried out by Distribution Licensee or by any Generating Company or by BBMB.
2. The above information is to be provided in consolidated form in case of Transmission Licensee and Distribution Licensee.



For GVK POWER (GOINDWAL SAHIB) LTD.

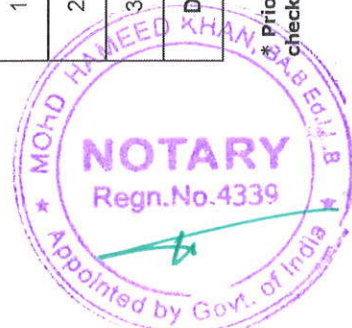
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Form G17

Summary of Generation Cost

S. No.	Particulars	Unit	Previous Year		Current Year		Control Period Projections		
			Actual 2018-19	2019-20	Estimated 2020-21	2021-22	2022-23		
A	Net Generation	MU	2203	1236	2368	2368	2368		
B	Fixed Cost								
1	O&M Expenses	Rs. Crore	68	92	159.98	167.33	179.68		
	a) Repairs and Maintenance Expenses	Rs. Crore	28	34	99.00	103.24	112.31		
	b) Employee Cost	Rs. Crore	13	15	15.70	16.50	17.34		
	c) Administration and General Expenses	Rs. Crore	27	43	45.28	47.59	50.03		
2	Depreciation	Rs. Crore	205	147	146.57	146.57	162.00		
3	Interest Charges on Working Capital	Rs. Crore	91	83	87.11	89.77	93.84		
4	Interest and Finance Charges on Loan Capital	Rs. Crore	357	217	197.38	178.00	182.59		
5	Return on Equity (RoE)	Rs. Crore	174	143	142.89	142.89	155.45		
6	All Statutory Levies and Taxes, if any	Rs. Crore	0	0	-	-	-		
7	*Other Expenses	Rs. Crore	0	0	-	-	-		
8	Less: Non-Tariff and Other Income (if any)	Rs. Crore	0	0	-	-	-		
9	Total Fixed Cost	Rs. Crore	894.72	680.40	733.93	724.56	773.56		
C	Variable Cost	paaise/kWh	244.53	185.95	200.58	198.02	211.41		
1	Primary Fuel Cost	Rs. Crore	1,106.31	552.00	1,095.19	1,138.02	1,182.53		
		paaise/kWh	502.13	446.54	462.58	480.67	499.47		
2	Secondary Fuel Cost	Rs. Crore	6.05	3.65	6.98	6.98	6.98		
		paaise/kWh	2.75	2.96	2.95	2.95	2.95		
3	Total Variable Cost	Rs. Crore	1,112.36	555.66	1,102.17	1,145.00	1,189.51		
		paaise/kWh	504.88	449.50	465.53	483.62	502.42		
D	Total Generation Cost	Rs. Crore	2,007.09	1,236.05	1,836.10	1,869.57	1,963.07		
		paaise/kWh	749.41	635.46	666.11	681.64	713.83		

* Prior Period Expenses, Extraordinary Expenses and any other expenses can be placed under this as a part of the expenses, subject to prudence check by the Commission.



-or GVK POWER (GOINDWAL SAHIB) LTD.

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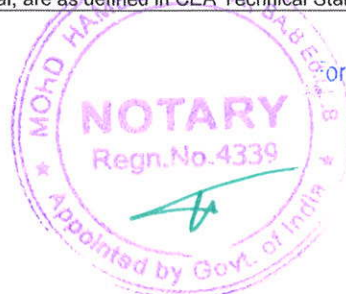
Annexure A

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Form G18

Plant Characteristics (Thermal)

Name of the Petitioner		
Name of the Generating Station		
Unit(s) / Block(s) / Parameters	Unit-I	Unit-II
Installed Capacity (MW)	270	270
Schedule COD as per Investment Approval	20.05.2013	20.11.2013
Actual COD/Date of Taken Over (as applicable)	05.04.2016	15.04.2016
Pit Head or Non Pit Head	Non Pit Head	Non Pit Head
Name of the Boiler Manufacture	BHEL	BHEL
Name of Turbine Generator Manufacture	BHEL	BHEL
Main Steam Pressure at Turbine inlet (kg/Cm ²) abs ¹ .	150	150
Main Steam Temperature at Turbine inlet (°C) ¹	537	537
Reheat Steam Pressure at Turbine inlet (kg/Cm ²) ¹	38.2	38.2
Reheat Steam Temperature at Turbine inlet (°C) ¹	537	537
Main Steam flow at Turbine inlet under MCR condition (tons/hr) ²	823.81	823.81
Main Steam flow at Turbine inlet under VWO condition (tons/hr) ²	865	865
Unit Gross electrical output under MCR/Rated condition (MW) ²	270	270
Unit Gross Electrical output under VWO condition (MW) ²	283.5	283.5
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh) ³	1943	1943
Conditions on which design turbine cycle heat rate guaranteed	CW Temperature 33°C	CW Temperature 33°C
% MCR	100	100
% Makeup Water Consumption		
Design Capacity of Makeup Water System	33000	33000
Design Capacity of Inlet Cooling System	32300	32300
Design Cooling Water Temperature (°C)	33	33
Back Pressure	0.105	0.105
Steam flow at super heater outlet under BMCR condition (tons/hr)	865	865
Steam Pressure at super heater outlet under BMCR condition (kg/Cm ²)	156	156
Steam Temperature at super heater outlet under BMCR condition (°C)	540±5 °C	540±5 °C
Steam Temperature at Reheater outlet at BMCR condition (°C)	540±5 °C	540±5 °C
Design/Guaranteed Boiler Efficiency (%) ⁴	87.48	87.48
Design Fuel with and without Blending of domestic/imported Coal	142.40 Tonne/ hr	142.40 Tonne/ hr
Type of Cooling Tower	IDCT	IDCT
Type of Cooling System ⁵	Closed Circuit Cooling	Closed Circuit Cooling
Type of Boiler Feed Pump ⁶	Motor Driven	Motor Driven
Fuel Details		
Primary Fuel	Coal	Coal
Secondary Fuel	LDO/ HFO	LDO/ HFO
Alternate Fuels		
Special Features/Site Specific Features⁸		
Special Technological Features⁹		
Environmental Regulation related features¹⁰		
Any other special features		
1. At Turbine MCR condition		
2. With 0% (Nil) make up and design Cooling Water Temperature		
3. At TMCR output based on gross generation, 0% (Nil) makeup and design Cooling water temperature.		
4. With Performance coal based on Higher Heating Value (HHV) of fuel and at BMCR) output.		
5. Closed circuit cooling, once through cooling, sea cooling, natural draft cooling, induced draft cooling etc.		
6. Motor driven, Steam turbine driven etc.		
7. Coal or natural gas or Naptha or lignite etc.		
8. Any site specific feature such as Merry - Go- Round, Vicinity to sea, Intake/Makeup water system etc. Scrubbers etc. Specify all		
9. Any special Technological feature like Advanced Class FA Technology in Gas Turbines etc.		
10. Environmental Regulation related features like FGD, ESP etc.,		
Note 1 : In case of deviation from specified conditions in Regulation, correction curve of manufacturer may also be submitted.		
Note 2 : Heat Balance Diagram has to be submitted along with above information in case of new stations.		
Note 3 : The Terms - MCR, BMCR, HHV, Performance coal, are as defined in CEA Technical Standards for Construction of		



or GVK POWER (GOINDWAL SAHIB) LTD.

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Salient Features of Hydroelectric Project

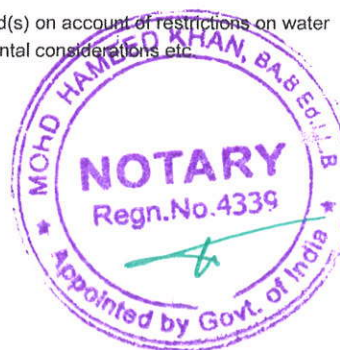
Name of the Petitioner:

Name of the Generating Station :

S.No.	Location	
1	State/District	
	River	
2	Diversion Tunnel	
	Size, Shape	
	Length (M)	
3	Dam	
	Type	
	Maximum Dam Height (M)	
4	Spillway	
	Type	
	Crest Level of Spillway (M)	
5	Reservoir	
	Full Reservoir Level (FRL) (M)	
	Minimum Draw Down Level (MDDL) (M)	
	Live Storage (MCM)	NOT APPLICABLE
6	De-Silting Chamber	
	Type	
	Number and Size	
	Particle Size to be Removed (MM)	
7	Head Race Tunnel	
	Size and Type	
	Length (M)	
	Design Discharge (Cumecs)	
8	Surge Shaft	
	Type	
	Diameter (M)	
	Hegith (M)	
9	Penstock/Pressure Shafts	
	Type	
	Diameter & Length (M)	
10	Power Hosue	
	Installed Capacity (Number of Units x MW)	
	Type of Turbine	
	Rated Head (M)	
	Rated Discharge (Cumecs)	
	Head at Full Reservoir Level (M)	
	Head at Minimum Draw Down Level (M)	
	MW Capability at FRL	
	MW Capability at MDDL	
11	Tail Race Tunnel/ Channel	
	Diameter (M), Shape	
	Length (M)	
	Minimum Tail Water Level (M)	
12	Switchyard	
	Type of Switch Gear	
	Number of Generator Bays	
	Number of Bus Coupler Bays	
	Number of Line Bays	

Note:

Specify limitation on generation during specific time period(s) on account of restrictions on water use due to irrigation, drinking water, industrial, environmental considerations etc.



POWER (GOINDWAL SAHIB) LTD.

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Design Energy and Peaking Capability (Month wise) - ROR with Pondage/Storage Type New Stations

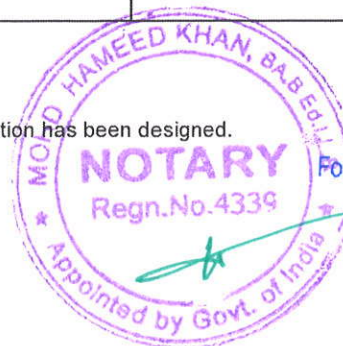
Name of the Petitioner : GVK POWER (GOINDWAL SAHIB) LTD
 Name of the Generating Station : GVK POWER (GOINDWAL SAHIB) LTD
 Generating Company : GVK POWER (GOINDWAL SAHIB) LTD
 Name of Hydro-Electric Generating Station : Thermal Generating Station
 Installed Capacity : Number of Units x MW ;

Month		Design Energy* (MU)	Designed Peaking Capability (MW)*
April	I		
	II		
	III		
May	I		
	II		
	III		
June	I		
	II		
	III		
July	I		
	II	NOT APPLICABLE	
	III		
August	I		
	II		
	III		
September	I		
	II		
	III		
October	I		
	II		
	III		
November	I		
	II		
	III		
December	I		
	II		
	III		
January	I		
	II		
	III		
February	I		
	II		
	III		
March	I		
	II		
	III		
Total			

*As per DPR/TEC of CEA dated.....

Note:

Specify the number of Peaking Hours for which station has been designed.



For GVK POWER (GOINDWAL SAHIB) LTD.

Authorised Signatory

Form G21

Normative Parameters Considered for Tariff Computations (Thermal)

Name of the Petitioner: GVK POWER (GOINDWAL SAHIB) LTD

Name of the Generating Station: GVK POWER (GOINDWAL SAHIB) LTD

Particulars	Unit	Current Year	Year Ending March		
			1st Year	2nd Year	3rd Year
		2019-20	2020-21	2021-22	2022-23
Rate of Return on Equity	%	15.50%	15.50%	15.50%	15.50%
Normative Availability	%	85%	85%	85%	85%
Auxiliary Energy Consumption	%	9.28%	9%	9%	9%
Gross Station Heat Rate	kCal/kWh	2332	2332	2332	2332
Specific Fuel Oil Consumption	ml/kWh	0.5	0.5	0.5	0.5
Transit & handling Losses	%	0.80%	0.80%	0.80%	0.80%
Cost of Coal for WC	in Month	2	2	2	2
Cost of Main Secondary Fuel Oil for WC	in Month	2	2	2	2
O&M Expenses for WC	in Month	1	1	1	1
Maintenance Spares for WC	% of O&M	15%	15%	15%	15%
Receivables for WC	in Month	2	2	2	2
Storage Capacity of Primary Fuel	MT	3,80,000	3,80,000	3,80,000	3,80,000
Blending ratio of domestic coal/imported coal					



For GVK POWER (GOINDWAL SAHIB) LTD.

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Form G22

Details of COD, Type of Hydro Station, Normative Annual Plant Availability Factor (NAPAF) & Other Normative Parameters Considered for Tariff Calculation.

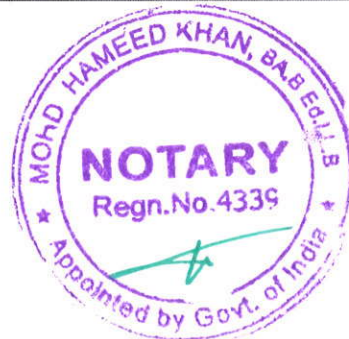
Name of the Petitioner :

GVK POWER (GOINDWAL SAHIB) LTD

Name of the Generating Station :

GVK POWER (GOINDWAL SAHIB) LTD

S.No.	Particulars	Unit	Control Period FYs			
			Current FY	1st Year	2nd Year	3rd Year
1	Installed Capacity	MW				
2	Free Power to Home State	%				
3	Date of Commercial Operation (Actual/Anticipated)					
	Unit-1					
	Unit - 2					
	Unit - 3		NOT APPLICABLE			
4	Type of Station					
a)	Surface/Underground					
b)	Purely ROR/Pondage/Storage					
c)	Peaking/Non-Peaking					
d)	No. Of hours of Peaking					
e)	Overload Capacity (MW) & Period					
5	Type of Excitation					
a)	Rotating Exciters on Generator					
b)	Static Excitation					
6	Design Energy (Annual)	MWh				
7	Auxiliary Consumption Including Transformation Losses	%				
8	Normative Plant Availability Factor (NAPAF)					
9.1	Maintenance Spares for WC	% of O&M				
9.2	Receivables for WC	in Month				
9.3	Rate of Return on Equity	%				
9.4	Operation & Maintenance	in Month				



For GVK POWER (GOINDWAL SAHIB) LTD.

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Form G23

Maintenance Schedule of Thermal Power Stations
(For Previous Year, Current Year and all Years of Control Years)

FY 2018-19				
S.No.	Plant/Unit	Period	Days	Type of Maintenance
1	GVK Power (Goindwal Sahib)			
	Unit-I		Nil	Nil
	Unit-II	28.06.2018 to 10.07.2018	13	TE End oil catcher and seal body inspection work

FY 2019-20				
S.No.	Plant/Unit	Period	Days	Type of Maintenance
1	GVK Power (Goindwal Sahib)			
	Unit-I			
	Unit-II			

FY 2020-21				
S.No.	Plant/Unit	Period	Days	Type of Maintenance
1	GVK Power (Goindwal Sahib)			
	Unit-I	20 Nov to 25 Dec	36	Annual overhauling work
	Unit-II	20 March to 24 April	36	Annual overhauling work

FY 2021-22				
S.No.	Plant/Unit	Period	Days	Type of Maintenance
1	GVK Power (Goindwal Sahib)			
	Unit-I			
	Unit-II			

FY 2022-23				
S.No.	Plant/Unit	Period	Days	Type of Maintenance
1	GVK Power (Goindwal Sahib)			
	Unit-I			
	Unit-II			



For GVK POWER (GOINDWAL SAHIB) LTD.

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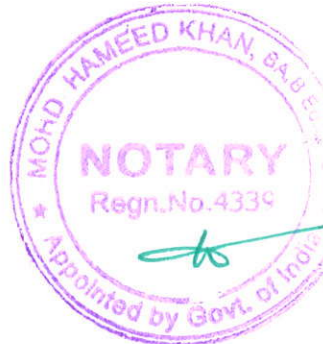
Form G24

Generation Details: Fuel and Variable Cost

S. No.	Particulars	Unit	Previous Year	Current Year	Control Period Projections		
			Actual 2018-19	Estimated 2019-20	1st Year 2020-21	2nd Year 2021-22	3rd Year 2022-23
1	Plant Capacity	MW	540	540	540	540	540
2	Plant Load Factor	%	51.50%	28.81%	55.00%	55.00%	55.00%
3	Gross Generation	MU	2436	1363	2602	2602	2602
4	Auxiliary Consumption	%	9.56%	9.28%	9.00%	9.00%	9.00%
5	Net Generation	MU	2203	1236	2368	2368	2368
6	Availability Factor	%	66.22%	85%	85%	85%	85%
7	Station Heat Rate	kcal/kWh	2348	2332	2332	2332	2332
8	Weighted Average 'GCV of received Coal'	kcal/kg	3405	3388	3388	3388	3388
9	Specific Consumption of Coal	kg/kWh	0.69	0.69	0.69	0.69	0.69
10	Quantity of Coal Received						
a)	Indigenous	MT	1728892.52	935877	1786930	1786930	1786930
b)	Imported		0				
c)	Captive mine		0				
d)	Other (specify)						
11	Transit Loss of Coal (where ever applicable)						
a)	Indigenous	%	2%	0.80%	0.80%	0.80%	0.80%
b)	Imported						
c)	Captive mine						
d)	Other (specify)						
11	Transit Loss of Coal (where ever applicable)						
a)	Indigenous	MT	43148	7547	14411	14411	14411
b)	Imported						
c)	Captive mine						
d)	Other (specify)						
12	Total Quantity of Coal	MT	1772040	943424	1801341	1801341	1801341
13	Quantity of Oil	KL	1642.69	661.305	1300.86	1300.86	1300.86
14	Specific Oil Consumption	ml/kWh	0.887	0.5	0.5	0.5	0.5
15	Weighted Average Calorific value of oil	kCal/litre	10410	10410	10410	10410	10410
16	Weighted Average Coal Cost	Rs./MT	6299	5851	6080	6318	6565
17	Total Coal Cost	Rs. Crore	1116.83	552.00	1095.19	1138.02	1182.53
18	Weighted Average Oil Cost	Rs./KL	36852.87	53644.75	53644.75	53644.75	53644.75
19	Total Oil Cost	Rs. Crore	6.05	3.65	6.98	6.98	6.98
20	Total Fuel Cost	Rs. Crore	1122.88	555.66	1102.17	1145.00	1189.51
21	Total Fuel/ Variable Cost	paise/kWh	509.71	449.50	465.53	483.62	502.42

Note:

1. Utility to provide the above details for the previous year, current year and entire control period. However, the Generation and Availability Factor details are



For GVK POWER (GOINDWAL SAHIB) LTD.

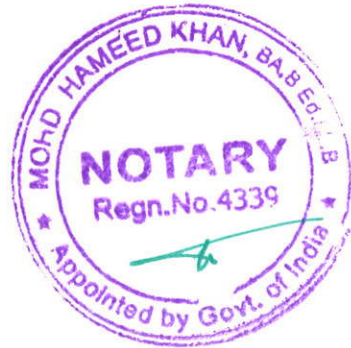
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Appendix-1 Form G24

Escalation rate for landed cost of coal

Escalation rates as notified by CERC:

Date of notification	Period of applicability	Notified Annual Escalation Rate for domestic coal (%)
01.06.2018	01.04.2015 - 30.09.2015	0.00%
	01.10.2015 - 31.03.2016	0.00%
	01.04.2016 - 30.09.2016	0.00%
	01.10.2016 - 31.03.2017	2.79%
30.05.2017	01.04.2017 - 30.09.2017	13.78%
10.10.2017	01.10.2017 - 31.03.2018	0.00%
22.06.2018	01.04.2018 - 30.09.2018	0.00%
15.10.2018	01.10.2018 - 31.03.2019	21.66%
05.04.2019	01.04.2019 - 30.09.2019	0.88%
30.10.2019	01.10.2019 - 31.03.2020	0.00%
Average escalation rate (%) for last five years		3.91%



For GVK POWER (GOINDWAL SAHIB) LTD.

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Form G25

Working Capital Requirements

S. No.	Particulars	(Rs. Crore)					
		Previous Year Actual	Current Year Estimated	Control Period Projections			Total
				1st year 2020-21	2nd year 2021-22	3rd year 2022-23	
A For Coal Based Generating Stations		2018-19	2019-20				
1	Cost of Fuel for 2 months corresponding to Normative Annual Plant Availability Factor.	288.32	271.10	281.64	292.58	303.95	
2	O&M expenses for 1 month	5.65	7.63	13.33	13.94	14.97	
3	Receivables equivalent to 2 months of fixed & variable charges corresponding to Normative Annual Plant Availability Factor	407.86	384.50	403.96	413.34	432.88	
4	Maintenance Spares (@15% of O&M Expenses)	10.17	13.73	24.00	25.10	26.95	
	Total	712.01	676.97	722.92	744.96	778.76	
B Open-Cycle Gas Turbine/Combined Cycle Generating Stations							
1	Cost of Fuel for 1 month corresponding to Normative Annual Plant Availability Factor						
2	Cost of Liquid Fuel for 1/2 month corresponding to Normative Annual Plant Availability Factor						
3	Receivables equivalent to 2 months of fixed & variable charges corresponding to Normative Annual Plant Availability Factor						
4	O&M Expenses for 1 month						
5	Maintenance Spares (@30% of O&M Expenses)						



For GVK POWER (GOINDWAL SAHIB) LTD.

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Form G25

Working Capital Requirements

S. No.	Particulars	Previous Year Actual	Current Year Estimated	(Rs. Crore)		
				Control Period Projections		
				1st year	2nd year	3rd year
	Total					
C	Hydro Based Generating Stations					
1	O&M expenses 1 month					
2	Receivables equivalent to 2 months of fixed cost					
3	Maintenance Spares (@15% of O&M Expenses)					
	Total					
D	Working Capital	712.01	676.97	722.92	744.96	778.76
	Rate of Interest on Working Capital	12.25%	12.05%	12.05%	12.05%	12.05%
F	Interest on Working Capital*	87.22	81.57	87.11	89.77	93.84

*The Interest rate for this purpose shall be the rate as specified in relevant section of MYT Regulations

Note :

1. The above information is to be provided Generating Station-wise and in consolidated form in case of Generation Business, whether carried out by Distribution Licensee or by any Generating Company or by BMB.



For GVK POWER (GOINDWAL SAHIB) LTD.

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Annexure A

52

Appendix-1 Form G25

Computation of cost of coal and oil on Normative basis for generation corresponding to the normative annual plant availability factor

Sl. No.	Particulars	Unit	2019-20	2020-21	2021-22	2022-23
1	Gross Generation at Normative PAF	MU	4021	4021	4021	4021
2	Gross Station Heat Rate (normative)	kCal/kWh	2332	2332	2332	2332
3	Specific Fuel Oil Consumption (normative)	ml/kWh	0.5	0.5	0.5	0.5
4	Weighted Average Calorific Value of Oil	Kcal/lit	10410	10410	10410	10410
5	Heat Contribution from Oil	kCal/kWh	5.21	5.21	5.21	5.21
6	Heat Contribution from Coal	kCal/kWh	2327	2327	2327	2327
7	Weighted Average GCV of Coal	kCal/kg	3388	3387.941983	3387.941983	3387.941983
8	Weighted Average Coal Cost	Rs/MT	5851	6080	6318	6565
9	Weighted Average Oil Cost	Rs/KL	53645	53645	53645	53645
10	Coal cost corresponding to gross generation at Normative PAF	Rs Crore	1616	1679	1745	1813
11	Oil cost corresponding to gross generation at Normative PAF	Rs Crore	11	11	11	11

For GVK POWER (GOINDWAL SAHIB) LTD.


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Form G26

Detailed Information Regarding Fuel (Coal) For Computation Of Energy Charges

S. No.	Particulars	Unit	Actual for the Previous Year (2018-19)	Current Year (2019-20)			
				Actual 1st Quarter	Actual 2nd Quarter	Estimates 3rd Quarter	Estimates 4th Quarter
1	Quantity of Coal supplied by the Coal Company	MT	1772040	438235	434986	211474	0
2	Adjustments (+/-), if any, in quantity supplied by the Coal Company	MT	0	0	0	0	0
3	Coal supplied by the Coal Company (1+2)	MT	1772040	438235	434986	211474	0
4	Normative Transit & Handling Losses, where ever applicable (For Coal based Projects)	MT	43148	3720	4349	2114	0
5	Net Coal Supplied (3-4)	MT	1728893	434515	430637	209360	0
6	Amount charged by the Coal Company	Rs.	3,81,16,68,923	88,93,76,689	80,24,74,502	40,50,40,829	-
7	Adjustment (+/-) in amount charged made by Coal Company	Rs.	-	-	-	-	-
8	Total amount charged (6+7)	Rs.	3,81,16,68,923	88,93,76,689	80,24,74,502	40,50,40,829	-
9	Transportation charges (rail / ship / road)	Rs.	7,35,66,27,682	1,73,96,78,214	1,70,74,40,425	79,95,83,231	-
10	Adjustments (+/-) in amount charged by Transport Company	Rs.	-	-	-	-	-
11	Demurrage charges, if any	Rs.	-	-	-	-	-
12	Cost of diesel in transporting coal through MGR system, if applicable	Rs.	-	-	-	-	-
13	Total Transportation charges (9+10+11+12)	Rs.	7,35,66,27,682	1,73,96,78,214	1,70,74,40,425	79,95,83,231	-
14	Total amount (including transportation) (8+13)	Rs.	11,16,82,96,604	2,62,90,54,904	2,50,99,14,927	1,20,46,24,060	-
15	Local Area Development Tax	Rs.	-	-	-	-	-
16	Unloading Charges	Rs.	-	-	-	-	-
17	Duty, if any	Rs.	-	-	-	-	-
18	Total Coal charges (14+15+16+17)	Rs.	11,16,82,96,604	2,62,90,54,904	2,50,99,14,927	1,20,46,24,060	-
19	Weighted average rate (18/1)	Rs/MT	6,299	5,999	5,770	5,696	-
20	Weighted average GCV of coal	Kcal/kg	3405	3609	3246	3385	3388

Weighted Average Rate of Coal

*Similar Details shall be submitted for other fuels

For GVK POWER (GOINDWAL SAHIB) LTD.



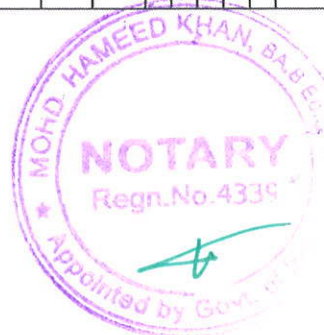
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Form G26

Detailed Information Regarding Fuel (Oil) For Computation Of Energy Charges

S. No.	Particulars	Unit	Actual for the Previous Year (2018-19)	Current Year (2019-20)			
				Actual 1st Quarter	Actual 2nd Quarter	Estimates 3rd Quarter	Estimates 4th Quarter
1	Quantity of Oil supplied by the Oil Company	KL	1643	209	439	21	21
2	Adjustments (+/-), if any, in quantity supplied by the Oil Company	KL	0	-2.7	-1.3	-2	-2
3	Oil supplied by the Oil Company (1+2)	KL	1643	206	438	19	19
4	Normative Transit & Handling Losses, where ever applicable	KL	0	0	0	0	0
5	Net Oil Supplied (3-4)	KL	1643	206	438	19	19
6	Amount charged by the Oil Company	Rs.	7,74,38,292	1,08,35,087	2,27,53,009	3,06,588	3,06,588
7	Adjustment (+/-) in amount charged made by Oil Company	Rs.		-47,596	-66,759	-57,178	-57,178
8	Total amount charged (6+7)	Rs.	7,74,38,292	1,07,87,491	2,26,86,250	2,49,410	2,49,410
9	Transportation charges (rail / ship / road)	Rs.	34,93,800	4,18,000	8,78,000	6,48,000	6,48,000
10	Adjustments (+/-) in amount charged by Transport Company	Rs.		-5,454	-2,610	-4,032	-4,032
11	Demurrage charges, if any	Rs.					
12	Cost of diesel in transporting through MGR system, if applicable	Rs.					
13	Total transportation charges (9+10+11+12)	Rs.	34,93,800	4,12,546	8,75,390	6,43,968	6,43,968
14	Total amount (including transportation) (8+13)	Rs.	8,09,32,092	1,12,00,037	2,35,61,640	8,93,378	8,93,378
15	Local Area Development Tax	Rs.					
16	Unloading Charges	Rs.					
17	Duty, if any	Rs.					
18	Total Oil charges (14+15+16+17)	Rs.	8,09,32,092	1,12,00,037	2,35,61,640	8,93,378	8,93,378
19	Weighted average rate (18/1)	Rs/KL	49,268	53,589	53,671	43,191	43,191
20	Weighted average Calorific Value of Oil	Kcal/litre	10410	10410	10410	10410	10410

*Similar Details shall be submitted for other fuels



For GVK POWER (GOINDWAL SAHIB) LTD.

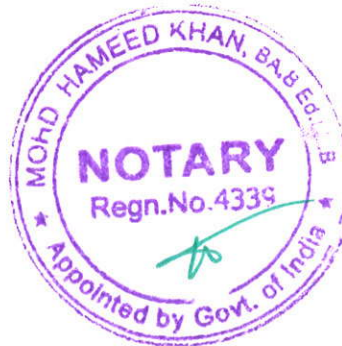
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Form G27

Income from Investments and other Non-Tariff Income

(Rs. Crore)

S. No	Particulars	Previous Year Actual	Current Year Estimated	Control Period Projection		
				1st year	2nd year	3rd year
		2018-19	2019-20	2020-21	2021-22	2022-23
A	Income from Investment					
1	Interest on fixed deposits	0.22				
2	Interest from Banks other than Fixed Deposits					
3	Interest Income from other Investments					
	Sub-Total	0.22	-	-	-	-
B	Other Non Tariff Income					
1	Interest on loans and Advances to staff					
2	Gain (Loss) on Sale of Fixed Assets					
3	Income/Fee/Collection against staff welfare activities					
4	Revenue from surcharges for late payment					
5	Net recovery from penalty on coal liaison agents					
6	Any other non tariff income (Sale of scrap)	0.04				
	Sub-Total	0.04	-	-	-	-
	Total	0.27	-	-	-	-



For GVK POWER (GOINDWAL SAHIB) LTD.

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Form G28

Existing and Proposed Tariff Schedule

S. No	Particulars	Unit	Previous Year Tariff		Current Year Tariff		Control Period		
			Actual	2018-19	Estimated	2019-20	1st year	2nd year	3rd year
1	Fixed Charges	Rs. Crore		894.72		680.40	733.93	724.56	773.56
2	Energy Charges	paise/kWh		504.88		449.50	465.53	483.62	502.42

Note: This is to be provided for each power plant of the generating company.



For GVK POWER (GOINDWAL SAHIB) LTD.

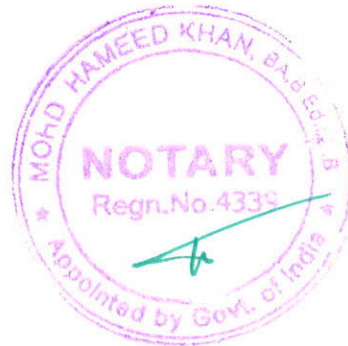
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Statement of Demand of Distribution

Sl. No.	Periods Year-2018-19				Periods Year-2019-20				Periods Year-2020-21				Periods Year-2021-22			
	Month	Energy Cost	Energy Cost	Energy Cost	Month	Energy Cost	Energy Cost	Energy Cost	Month	Energy Cost	Energy Cost	Energy Cost	Month	Energy Cost	Energy Cost	Energy Cost
1	Jan	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
2	Feb	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
3	Mar	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
4	Apr	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
5	May	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
6	Jun	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
7	Jul	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
8	Aug	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
9	Sep	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
10	Oct	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
11	Nov	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
12	Dec	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226	125291	296621	72226
13	Total	1503492	3559452	866712	1503492	3559452	866712	1503492	3559452	866712	1503492	3559452	866712	1503492	3559452	866712

POWER (GOINDWAL SAHIB) LTD.

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Form G30

Revenue from Sale of Power (at Proposed Tariffs)

S. No	Consumer	1st year - 2020-21				2nd year - 2021-22				3rd year - 2022-23												
		Allocated Capacity MW	Annual Fixed Charges Rs. Crore	Rate of Energy Charges paise/unit	Energy Sold MU	Fixed Charges Rs. Crore	Rate of Energy Charges paise/unit	Energy Sold MU	Total Charges Rs. Crore	Allocated Capacity MW	Annual Fixed Charges Rs. Crore	Rate of Energy Charges paise/unit	Energy Sold MU	Fixed Charges Rs. Crore	Rate of Energy Charges paise/unit	Energy Sold MU	Total Charges Rs. Crore					
1	Discom	540	733.93	465.53	2368	733.93	1,102.17	1,836.10	540	724.56	483.62	2368	724.56	1,145.00	1,869.57	540	773.56	502.42	2368	773.56	1,169.51	1,963.07
2	Traders																					
3	Others																					
	Total	540	733.93	465.53	2368	733.93	1,102.17	1,836.10	540	724.56	483.62	2368	724.56	1,145.00	1,869.57	540	773.56	502.42	2368	773.56	1,169.51	1,963.07

for GVK POWER (GOINDWAL SAHIB) LTD.

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Form G31

Income Tax Provisions

S. No.	Particulars	(Rs. Crore)					
		Previous Year	Current Year	Control Period			
		Actual	Estimated	1st Year	2nd Year	3rd Year	
		2018-19	2019-20	2020-21	2021-22	2022-23	
1	Provision made/Proposed for the Year						
2	Details as per Return filed for the Year						
3	As Assessed for the Year						
4	Credit/Debit of Assessment Year (Give Details)						
	Total	-	-	-	-	-	



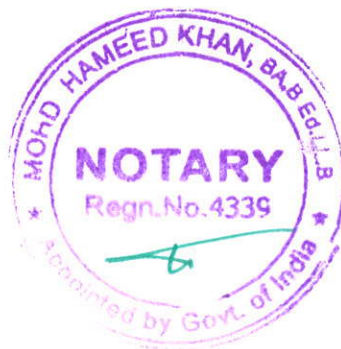
For GVK POWER (GOINDWAL SAHIB) LTD.

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Form G32

Detailed Information Regarding Hydel Generation

Sr. No.	Particulars	Previous Year		Current Year Estimated	Control Period		
		Actual	2018-19		2019-20	1st year 2020-21	2nd year 2021-22
I	II		2018-19	2019-20	2020-21	2021-22	2022-23
A)	OWN GENERATION						
I)	Capacity (MW)						
1	Shanan HEP						
	UBDC Hydel Project						
2	Stage-I		NOT APPLICABLE				
	Stage-II						
	Total						
3	Mukerian Hydel Project						
	Stage-I						
	Stage-II						
	Total						
4	Anandpur Sahib Hydel Project						
5	Ranjit Sagar Project						
6	Micro Hydel Projects						
...	Any New Plant						
7	Total						
II)	Gross Generation(MU)						
1	Shanan HEP						
2	UBDC Hydel Project						
	Stage 1						
	Stage 2						
3	Mukerian Hydel Project						
	Stage I						
	Stage-II						
4	Anandpur Sahib Hydel Project						
5	Ranjit Sagar Project						
6	Micro Hydel Projects						
...	Any New Plant						
7	Total						



GJK POWER (GOINDWAL SAHIB) LTD.

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Sr. No.	Particulars	Previous Year	Current Year	Control Period		
		Actual	Estimated	1st year	2nd year	3rd year
I	II	2018-19	2019-20	2020-21	2021-22	2022-23
8	Aux Consumption (MU) & Transformation Losses (MU)					
	Less: Free share from RSD					
9	Net Hydel Generation (MU)					
B)	Share from BBMB (MU)					
1	Bhakra					
2	Deher					
3	Pong					
	Total (GROSS)					
	Inter State Transmission Losses					
	Availability from BBMB Excluding Common Pool Share (NET)					
	Common Pool Share BBMB (MU)					
	Availability from BBMB including Common Pool Share (NET)					
	Total Hydel Availability (MU)					
D)	Less: Royalty to HP from Shannan (MU)					
E)	Less: Share from RSD to HP (MU)					
F)	Net Own Hydro Power (MU)					



For GVK POWER (GOVT. WAL SAHIB) LTD.

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Annexure A

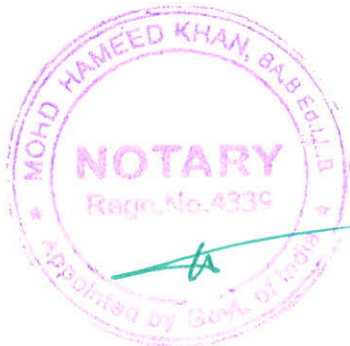
Form G33(A)

Weighted average GCV of Coal

Name of Station: GVK POWER (GOINDWAL SAHIB) LIMITED

MONTH	Coal consumed during the month			Progressive Coal consumption			Weighted average GCV during the month			Total heat Kcal VI=IV	Progressive Total heat Kcal VII	Progressive Weighted average received GCV during the year Kcal/kg VIII=VII/III
	MT	II		MT	III		Received Kcal/kg IV	Bunkered Kcal/kg V				
		Actual	Actual		Actual	Actual						
April	76689	76689	3300	76689	76689	3300	3795	3300	291030638744	291030638744	3795	
May	177898	177898	3343	177898	177898	3343	3583	3343	637352209385	637352209385	3583	
June	145490	145490	3854	145490	145490	3854	3590	3854	560656119441	560656119441	3854	
July	114372	114372	3399	114372	114372	3399	3399	3399	387723032926	387723032926	3399	
August	116629	116629	3142	116629	116629	3142	3142	3142	369326746725	369326746725	3142	
September	105838	105838	3404	105838	105838	3404	3404	3404	360267981180	360267981180	3404	
October	137883	137883	3207	137883	137883	3207	3532	3207	442246183100	442246183100	3207	
November	185149	185149	3483	185149	185149	3483	3483	3483	607075588497	607075588497	3483	
December	182296	182296	3455	182296	182296	3455	3455	3455	610616273553	610616273553	3455	
January	157034	157034	3461	157034	157034	3461	3461	3461	512953313770	512953313770	3461	
February	213241	213241	3381	213241	213241	3381	3381	3381	702634678758	702634678758	3381	
March	1750806	1750806	3388	1750806	1750806	3388	3388	3388	59532323164395	59532323164395	3388	
Total												

MONTH	Coal consumed during the month			Progressive Coal consumption			Weighted average GCV during the month			Total heat Kcal VI=IV	Progressive Total heat Kcal VII	Progressive Weighted average received GCV during the year Kcal/kg VIII=VII/III
	MT	II		MT	III		Received Kcal/kg IV	Bunkered Kcal/kg V				
		Actual for Apr to Dec '19	Actual for Apr to Dec '19		Actual for Apr to Dec '19	Actual for Apr to Dec '19						
April	138761	138761	3622	138761	138761	3622	3622	3622	502570066918	502570066918	3622	
May	21053	21053	3666	21053	21053	3666	4021	4021	77184792117	77184792117	3666	
June	144542	144542	3588	144542	144542	3588	4026	4026	518564727715	518564727715	3588	
July	165525	165525	3453	165525	165525	3453	3458	3458	571556703842	571556703842	3453	
August	149776	149776	3157	149776	149776	3157	3223	3223	472806802170	472806802170	3157	
September	154057	154057	3110	154057	154057	3110	3149	3149	479153069581	479153069581	3110	
October	137653	137653	3350	137653	137653	3350	3317	3317	461170685373	461170685373	3350	
November	34672	34672	3461	34672	34672	3461	3461	3461	120001176400	120001176400	3461	
December	39149	39149	3442	39149	39149	3442	3442	3442	134750169600	134750169600	3442	
January	-16437	-16437	3388	-16437	-16437	3388	3442	3442	-55687583754	-55687583754	3388	
February	-16437	-16437	3388	-16437	-16437	3388	3388	3388	-55687583754	-55687583754	3388	
March	935877	935877	3388	935877	935877	3388	3388	3388	3170695442453	3170695442453	3388	
Total												



Dr. GVK POWER (GOINDWAL SAHIB) LTD.

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MONTH	Coal consumed during the month		Progressive Coal consumption		Weighted average GCV during the month			Total heat Kcal VI=IPV	Progressive Total heat Kcal VII	Progressive Weighted average GCV received during the year Kcal/kg VIII=VII/III
	MT	II	MT	III	Received Kcal/kg IV	Bunkered				
						Kcal/kg V				
April	148911		148911		3388	3388		504501272469	504501272469	3388
May	148911		148911		3388	3388		504501272469	504501272469	3388
June	148911		148911		3388	3388		504501272469	504501272469	3388
July	148911		148911		3388	3388		504501272469	504501272469	3388
August	148911		148911		3388	3388		504501272469	504501272469	3388
September	148911		148911		3388	3388		504501272469	504501272469	3388
October	148911		148911		3388	3388		504501272469	504501272469	3388
November	148911		148911		3388	3388		504501272469	504501272469	3388
December	148911		148911		3388	3388		504501272469	504501272469	3388
January	148911		148911		3388	3388		504501272469	504501272469	3388
February	148911		148911		3388	3388		504501272469	504501272469	3388
March	148911		148911		3388	3388		504501272469	504501272469	3388
Total	1786930		1786930		3388	3388		6054015269622	6054015269622	3388

MONTH	Coal consumed during the month		Progressive Coal consumption		Weighted average GCV during the month			Total heat Kcal VI=IPV	Progressive Total heat Kcal VII	Progressive Weighted average GCV received during the year Kcal/kg VIII=VII/III
	MT	II	MT	III	Received Kcal/kg IV	Bunkered				
						Kcal/kg V				
April	148911		148911		3388	3388		504501272469	504501272469	3388
May	148911		148911		3388	3388		504501272469	504501272469	3388
June	148911		148911		3388	3388		504501272469	504501272469	3388
July	148911		148911		3388	3388		504501272469	504501272469	3388
August	148911		148911		3388	3388		504501272469	504501272469	3388
September	148911		148911		3388	3388		504501272469	504501272469	3388
October	148911		148911		3388	3388		504501272469	504501272469	3388
November	148911		148911		3388	3388		504501272469	504501272469	3388
December	148911		148911		3388	3388		504501272469	504501272469	3388
January	148911		148911		3388	3388		504501272469	504501272469	3388
February	148911		148911		3388	3388		504501272469	504501272469	3388
March	148911		148911		3388	3388		504501272469	504501272469	3388
Total	1786930		1786930		3388	3388		6054015269622	6054015269622	3388



For GVK POWER (PUNJAB SAHIB) LTD.

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MONTH	Coal consumed during the month		Progressive Coal consumption		Weighted average GCV during the month		Total heat	Progressive Total heat	Progressive Weighted average GCV received during the year
	MT	II	MT	III	Received Kcal/kg	Bunkered Kcal/kg			
					IV	V	Kcal	Kcal	Kcal/kg
April	148911	148911	148911	3388	3388	3388	504501272469	504501272469	VIII=VII/III 3388
May	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
June	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
July	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
August	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
September	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
October	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
November	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
December	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
January	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
February	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
March	148911	148911	148911	3388	3388	3388	504501272469	504501272469	3388
Total	1786930	1786930	1786930	3388	3388	3388	6054015269622	6054015269622	3388

Note:

1. Utility to provide the above details for the previous year, current year and entire control period.



For GVK POWER (GOINDWAL SAHIB) LTD.

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Form 033(B)

Weighted Average S.C.V. of Oil

Name of Station: GVK POWER (GOINDWAL SAHIB) LIMITED

FY 2018-19

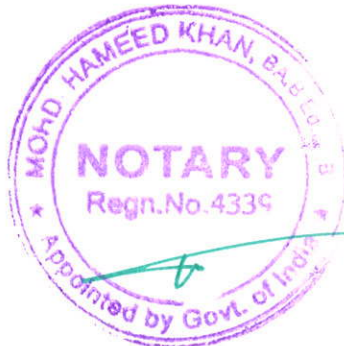
Year	GVK(Kcal/Kg)				DENSITY (gm/cc)				GVK(Kcal/Ltr)				OIL CONSUMPTION(KL)				HEAT VALUE				Progressive Total		WT.AVG.GC V (Kcal/Ltr)		
	FD	II	III	LDG	FD	LDG	III	LDG	FD	LDG	VI	VII	LDG	IX	X	XI	TOTAL	Prog. Oil Cons.	FD	XII=VI+VII	XIII=VIII	XIV=IX+X		TOTAL	WT.AVG.GC V (Kcal/Ltr)
April	10412			12311	0.87	0.88		10700											80	80					
May	10459			11882	0.86	0.88		10700											80	80					
June	10433			12285	0.87	0.87		10700											80	80					
July	10491			13159	0.87	0.88		10700											80	80					
August	10457			12573	0.87	0.88		10700											80	80					
September	10476			12559	0.87	0.86		10700											80	80					
October	10491			12659	0.87	0.88		10700											80	80					
November	10491			12659	0.87	0.88		10700											80	80					
December	10379			12132	0.86	0.88		10700											80	80					
January	10459			12170	0.86	0.87		10700											80	80					
February	10459			12170	0.86	0.87		10700											80	80					
March	10459			12170	0.86	0.87		10700											80	80					
Total																			841	656	1586				

FY 2018-19

Year	GVK(Kcal/Kg)				DENSITY (gm/cc)				GVK(Kcal/Ltr)				OIL CONSUMPTION(KL)				HEAT VALUE				Progressive Total		WT.AVG.GC V (Kcal/Ltr)		
	FD	II	III	LDG	FD	LDG	III	LDG	FD	LDG	VI	VII	LDG	IX	X	XI	TOTAL	Prog. Oil Cons.	FD	XII=VI+VII	XIII=VIII	XIV=IX+X		TOTAL	WT.AVG.GC V (Kcal/Ltr)
April	10458			12270	0.87	0.87		10700											89	89					
May	10458			12516	0.87	0.85		10700											81	21	102				
June	10458			12516	0.87	0.85		10700											81	81					
July	10458			12291	0.87	0.86		10700											82	82					
August	10458			12271	0.87	0.87		10700											82	82					
September	10458			12270	0.87	0.87		10700											84	84					
October	10458			12515	0.87	0.86		10700											84	84					
November	10458			12515	0.87	0.86		10700											87	87					
December	10458			12515	0.87	0.86		10700											87	87					
January	10458			12314	0.87	0.87		10700											87	87					
February	10458			12339	0.87	0.87		10700											87	87					
March	10458			12359	0.87	0.87		10700											87	87					
Total																			488	551	941				

For GVK POWER (GOINDWAL SAHIB) LTD.

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Year	GCY(Kcal/Kg)			DENSITY (gm/cc)			GCY(Kcal/Ltr)			OIL CONSUMPTION(KL)			Prog. Oil Comp.			HEAT VALUE			Progressive Total Heat	WT.AVG.GC V.(KCAL/L)
	FO	III	LDO	IV	V	LDO	VI	VII	LDO	VIII	IX	X	XI	XII	XIII	XIV	XV	TOTAL		
April	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	FO	IX	X	XI	XII	XIII	XIV	XV	1127620271	19402
May	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
June	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
July	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
August	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
September	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
October	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
November	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
December	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
January	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
February	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
March	10438	12359	0.97	0.97	0.97	10120	10700	55	53	08	583810135	583810135	583810135	583810135	583810135	583810135	583810135	583810135	1127620271	19402
Total								859	822	1301									13531442561	19402

Note: 1. Utility to provide the above details for the previous year, current year and entire control period.

FOR GVK POWER (GOINDWAL SAHIB) LTD.

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