

**BEFORE THE NATIONAL ELECTRIC POWER
REGULATORY AUTHORITY**

(COPY)

REVISED TARIFF PETITION

FOR

GENERATION TARIFF

ON BEHALF

OF

HALMORE POWER GENERATION COMPANY

(PRIVATE) LIMITED

FOR

225 MW DUAL FUEL (GAS & HSD) BASED

POWER GENERATION PROJECT

AT

BHIKKI, NEAR SHEIKUPURA

September 13, 2007



Halmore Power Generation Company (Private) Limited

House 234-B, Street 13, E-7, Islamabad.

Phone: 051-2655292-4, Fax: 051-2655291

EMAIL: info@halmorepower.org



HALMORE POWER GENERATION COMPANY (PRIVATE) LIMITED

Ref: Bhikki/070913/TRF(002)
September 13, 2007

The Registrar,
National Electrical Power Regulatory Authority (NEPRA)
OPF Building,
Shahrah-e-Jamhuriat, G-5/2,
Islamabad.

Subject: **Revised Tariff Petition for 225 MW (Gross at ISO) Power Generation Plant at Bhikki, District Sheikhpura, by Halmore Power Generation Company (Private) Limited**

Dear Sir,

1. The National Electric Power Regulatory Authority (NEPRA) intimated the Tariff Determination on the petition filed by the Halmore Power Generation Company (Private) Limited, HPGCL (the "Company") vide its reference No. NEPRA/R/TRF-58/HPGCL-2006/6553-55 on August 31, 2006.
2. Subsequently the Authority issued its Revised Order on September 05, 2006, and an Addendum on September 14, 2006 and a Clarification with respect to its Tariff determination on April 03, 2007.
3. Due to the circumstances beyond the control of the Company, the EPC price has escalated due to the increasing demand of the power generation plants and equipments Worldwide and also the increase of the conversion rate of Euro against US\$.
4. The Government of Pakistan has very kindly allowed Euro as an acceptable currency for capital costs as well as for debt financing vide its revised policy for IPPs which was extremely helpful for the Company to procure debt financing for the project in Euros under Export Credits.
5. The Tariff Determined by the Honorable Authority in August 2006 is not enough to provide 15 % returns to the foreign investors due to the increased cost of the plant and equipment. Therefore, the Company is compelled to approach NEPRA with a request for re-determination of the Tariff.
6. The Company is submitting its revised petition for approval of the Generation Tariff for the 225 MW (Gross at ISO) power project pursuant to the "Regulation of Generation, Transmission and Distribution of Electric Power Act (XL of) 1997, hereinafter referred to as the NEPRA Act, and Tariff Standards and Procedures Rules-1 998 made there under.

Copy No. 2

Registrar	2457
Dv. No.	14-09-07
Dated	



7. A Cheque No. C 7170907 drawn on ABN Amro Bank, Islamabad dated September 13, 2007 in the sum of Rs.2,694,500/- (Pak Rupees: Two Million, Six Hundred Ninety-four Thousand Five Hundred only) being the non-refundable Tariff Petition fee is also appended herewith.
8. The Company has been issued a Generation License No. IGSPL/07/2006 on 4th September 2006, which has been renewed until June 30, 2008.
9. The Company would be grateful to the Honorable Authority for expeditious processing of its revised tariff petition as the validity of the Letter of Support (LOS) issued by the GOP/PPIB is expiring on October 13, 2007.

Best regards,

Yours sincerely,

Shahid Hafeez Ahmed

Shahid Hafeez Ahmed
Managing Director

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HALMORE POWER GENERATION COMPANY (PVT) LIMITED

Tariff Summary

Tariff (Standard and Procedures) Rules 1998	Description
Rule 3 (1)	The cheque No. c 7170907 dated 13-9-2007, drawn on ABN-AMRO bank Islamabad, amounting to Rs. 2,694,500/- as Tariff Petition filing fee is attached with application.
Rule 3(2) (a)	Name of Petitioner: Shahid Hafeez Ahmed Managing Director, Halmore Power Generation Company (Pvt) Limited 234-B, Street 13, E-7 Islamabad
Rule 3(2) (b)	Grounds: Provided in detail in the Tariff Petition.
Rule 3(2) (c)	Statement of Determination sought is mentioned in paragraph 9 of this Tariff Petition.
Rule 3(2) (d)	Not applicable
Rule 3 (2) (e)	Not applicable
Rule 3(2) (f)	Provided In detail in the Tariff Petition.
Rule 3(8)	Affidavit attached



HALMORE POWER GENERATION COMPANY (PRIVATE) LIMITED

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
COMPANY HELD ON AUGUST 2, 2007**

RESOLVED, that the company file its revised tariff petition with National Electric Power Regulatory Authority (NEPRA).

FURTHER RESOLVED that Mr. Shahid Hafeez Ahmed the Managing Director of the Company is hereby authorized for and on behalf of the Company to sign all the necessary documentation, pay the necessary fees, appear before NEPRA as needed and to do all such acts necessary for processing and completion of the Petition.

Signed

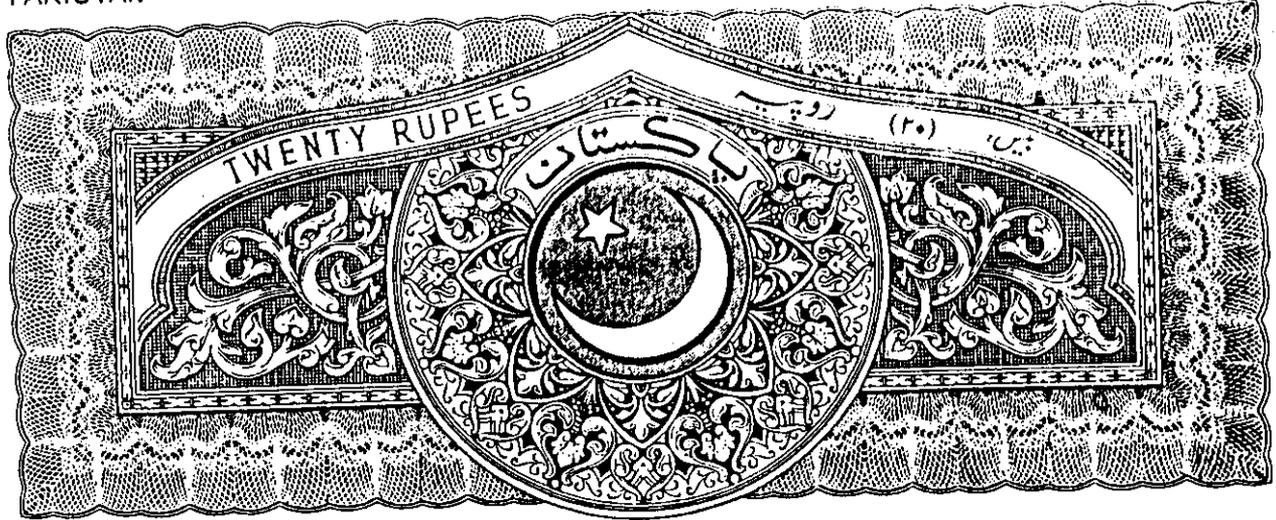
Mian Karimuddin

Mian Karimuddin
Director

Signed

Mian M. Sharif

Mian M. Sharif
Director/Chief Executive Officer



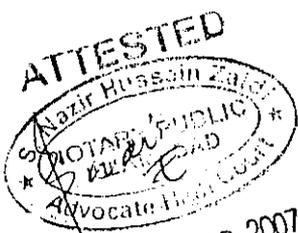
BEFORE THE NATIONAL ELECTRIC POWER
REGULATORY AUTHORITY

AFFIDAVIT

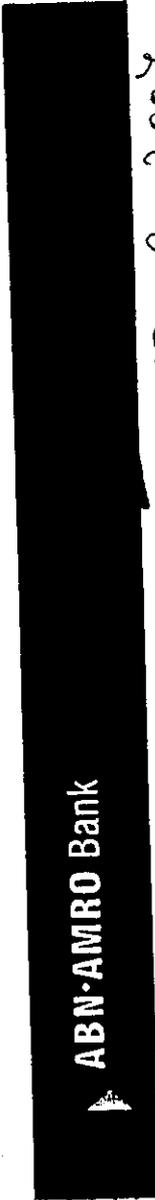
I, Shahid Hafeez Ahmed, Managing Director, Halmore Power Generation Company (Private) Limited being duly authorized representative/attorney of Halmore Power Generation Company (Private) Limited, hereby solemnly affirm and declare that the contents of the accompanying Tariff Petition No. Bhikki/070913/TRF(002) dated September 12, 2007 including all supporting documents are true and correct to the best of my knowledge and belief and that nothing has been concealed.

I also affirm that all further documentation and information to be provided by me in connection with the accompanying petition shall be true to the best of my knowledge and belief.

Shahid Hafeez Ahmed
DEPONENT



13 SEP 2007



ABN-AMRO Bank

ABN AMRO BANK N.V.

15, Markaz F-7
Islamabad
Incorporated in the Netherlands with limited liability

C 7170907

DATE 13-9-2007
DAY MONTH YEAR

PAY Registrar NEPPA, Islamabad

OR BEARER

RS. 2694,500/-

RUPEES Two million six hundred

ninety four thousand and five hundred and

HALMORE POWER CO.

Mian M. Sharif

YOUR SIGNATURE HERE

Please do not write below this line.

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⑈ 000 ⑈

GLOSSARY

CCPP	Combined Cycle Power Plant
CIRR	Commercial Interest Reference Rate
COD	Commercial Operation Day
CPP	Capacity Purchase Price
CPPA	Central Power Purchasing Agency of NTDC
CPI	Consumer Price Indexation
ECA	Export Credit Agency
EGAP	Export Guarantee and Insurance Corporation
EPP	Energy Purchase Price
EPC	Engineering Procurement Construction
FSA	Fuel Supply Agreement
GOP	Government of Pakistan
GSA	Gas Supply Agreement
GT	Gas Turbine
GWh	Giga watt hours
HPGCL	Halmore Power Generation Company (Private) Limited
HRSG	Heat Recovery Steam Generator
HSBC	Hongkong and Shanghai Banking Corporation
HSD	High Speed Diesel
IA	Implementation Agreement
IDC	Interest During Construction
IRR	Internal Rate of Return
KIBOR	Karachi Interbank Offered Rate
KW	Kilowatt = 1000 watts
kWh	Kilowatt hours
LIBOR	London Interbank Offered Rate
LOS	Letter of Support
MW	Megawatts = 1000 kilowatts
NOC	No Objection Certificate
NPCC	National Power Control Centre
NTDC	National Transmission and Dispatch Company
O & M	Operation and Maintenance
PKR	Pakistani Rupee
PPA	Power Purchase Agreement
PPIB	Private Power and Infrastructure Board
ROE	Return On Equity
ST	Steam Turbine
USD or \$	United States Dollar

REVISED TARIFF PETITION

1. Details of the Petitioner

Name and Address:

HALMORE POWER GENERATION COMPANY (PRIVATE) LIMITED
234-B, Street 13, E-7, Islamabad, Pakistan
Phone 2655292 Fax 2655290

Representatives of the Petitioner

- | | |
|-----------------------------|-------------------------|
| i. Mian M. Sharif | Chief Executive |
| ii. Mian Karimuddin | Director |
| iii. Mr. Shahid Hafiz Ahmed | Managing Director |
| iv. Mr. Arshad Ameen | Chief Financial Officer |

2. Generation License

Halmore Power Generation Company (Private) Limited, ("HPGCL") is a private limited company registered under Companies Act 1984. The Company has been granted the Generation License by NEPRA vide No. IGSPL/07/2006 issued on September 04, 2006, which has been renewed until June 30, 2008.

3. Background

On satisfactory completion of the Feasibility Study, the Private Power & Infrastructure Board (PPIB) recommended HPGCL to approach the National Electric Power Regulatory Authority (NEPRA) for tariff determination. HPGCL filed the tariff petition with NEPRA in July 2006. NEPRA issued its tariff determination Order on August 30, 2006.

This Tariff Petition was filed on the advice of the PPIB, on the basis of the available data, estimated cost figures (received from the EPC and O&M Contractors) used in the Feasibility Study and the cost figures approved by NEPRA in other similar projects.

After approval of the tariff by NEPRA, the company started the process of finalizing the agreements with the Government of Pakistan (GOP), the Power Purchaser, the Fuel Suppliers, the EPC Contractors, O&M Contractor and Financial institutions for debt financing.

PPIB/GOP issued a Letter of Support (LOS) on October 16, 2006 after receiving a performance guarantee amounting to US \$ 1.125 Million.

According to the terms of the LOS, the Sponsors are required to achieve financial close on or before October 13, 2007.

The Sponsors have achieved significant progress wherein, the Power Purchase Agreement, Gas Supply Agreement have been signed and the Implementation Agreement has been initiated.

The Construction and Supply contracts, collectively referred as EPC contract was signed in April 2007 and the payment terms for the O&M contract were also signed in May 2007.

HSBC Bank plc was awarded mandate in March 2007, for arranging the Foreign Loan in association with the Export Credit Agency of the Czech Republic and Local Loan in association with Askari Commercial Bank Limited Pakistan.

The Export Guarantee and Insurance Corporation (EGAP) of the Government of Czech Republic have issued their Letter of Support.

The term sheets issued by HSBC for Foreign and Local loans are enclosed as Annexes A and B.

The construction activities have commenced at the project site where boundary wall and office buildings are under construction.

4. Grounds for Petition

Increased EPC Cost

The company had received an estimated EPC price of US\$ 154.9 million in May 2006. This price after negotiations was reduced to US\$ 143.9 million. (Euro 119.2 million). The same reduced price was adopted in the Tariff Petition filed with NEPRA. NEPRA also approved the EPC Cost of 143.9 million US\$, with FX adjustment on 70% for imported equipment.

When the company approached the EPC Contractor for executing the contract with a confirmed final price, the EPC contractor demanded an overall price of US\$ 160 million due to the fact that all the plant and equipment was of European origin and the exchange rate of Euro versus US\$ had considerably increased. However after lengthy discussions the EPC cost of US\$ 155.5 million was agreed based on Euro Dollar parity of 1€ = 1.3373 \$ against 1€ = 1.2 \$ during the proposal stage as indicated below:

	<u>Million €</u>	<u>Million US\$</u>
• EPC Cost approved by NEPRA		<u>143.900</u>
• Local Cost 30% of 143.9	=	43.170
• Foreign Cost 70% of 143.9	=	100.730
• Foreign Cost in Euro 100.73/1.2	= 83.940	

EPC Price as per Agreement signed in April 2007:

	<u>Million €</u>	<u>Million US\$</u>
• Local Cost (No Change)	=	43.170
• Foreign Cost as per prevailing €/ \$ Parity		
83.94 x 1.3373	= 83.94	<u>112.253</u>
• Total Cost		155.423

The EPC Contract was then signed in April 2007 with a total value of US\$ 155.5 million comprising of Supply Contract valuing US\$ 135.5 million and Construction Contract valuing US\$ 20 million. These prices were valid until June 15, 2007. (Copies of the signed Construction and Supply Contracts are being provided separately to the Authority).

The company was ready to pay the advance payment for locking the price but the Contractors needed a confirmed validated offer for the whole price from the Lenders. The negotiations with the Lenders for Funding arrangement process continued along-with the resolution of the outstanding issues raised by the Lenders' legal, financial and technical advisors.

Most of the issues have been resolved, however, few issues are still outstanding. The most important of the outstanding issues is the Application of "English Law" demanded by the foreign Lenders for the GOP Guarantee under the IA and the Lender's Direct Agreements as opposed to "Pakistani Law". The case is being pursued by the PPIB with the ECC and it is hoped that the issue will be resolved shortly.

The company has received the in-principle approval of Loan from Czech Export Bank, a.s, ("CEB") Export and Project Finance Department, Prague, Czech Republic. On receipt of the assurance from the Lenders, the Company approached the EPC Contractor for a firm price as the validity date of the Contract had expired on June 16, 2007. The Supply Contractor now demanded a price of Euro 115 million (Annexure C) with time of completion of 34 months.

After hectic negotiations with the Supply Contractor, the Company succeeded to get a reduced price of Euro 110 million with time of completion of 32.5 (Copy of the signed MOU is being provided separately to the Authority). The Construction Contract cost however remains the same as US\$ 20 million valid until October 31, 2007 however the construction period has been increased to 32.5 months. This new total price of Supply and Construction contracts or EPC cost in terms of Euro is only 4.4% higher than that approved by NEPRA in August 2006.

The justification for the new price agreed with the EPC Contractor is briefly given as under:

- Increase in the cost of Gas/Steam Turbines by the Manufacturers on account of increased costs of materials used in the manufacturing.

- Euro Dollar parity rates. The Euro was equal to 1.2 Dollar at the time of offered rate which has now increased to more than 1.38 Dollar.
- The Monopoly role of the Manufacturers in the current situation of scarcity of the available plant and machinery on account of extra high international (Particularly Middle East) demand for the power generation equipment against Limited existing Supply.

Changed Financial Structure

In its Petition filed by HPGCL in July 2006 the whole Debt Financing was assumed through Local Loan. However due to non-availability of local financing, the Company had to contact Foreign Lenders for its Foreign currency requirements.

The Company has been successful in arranging the Foreign Debt funding requirements through EGAP Financing (Export Guarantee and Insurance Corporation) in Euro based CIRR rate. The Foreign Loan Financing is arranged through Czech Export Bank, a.s, ("CEB") Export and Project Finance Department, Prague, Czech Republic. The Local Loan is arranged through HSBC Bank plc and Askari Commercial Bank Limited ("ACBL"). The lead arranger for the entire debt financing is HSBC Bank pls, London.

This EGAP Financing Facility carries a special feature that the CIRR rate remains constant throughout the Facility period. Current rate for CIRR for Euro is 5.47%, less than the current LIBOR (5.7%) for 3 months. There is no premium added to the base rate. The EGAP Premium of 14.12% although indicates a big jump in the overall debt amount but when compared with the similar withdrawals under LIBOR + 3% the Debt service payments are lower in case of CIRR. As such CIRR is more beneficial, compared to LIBOR not only because of lower Debt Service repayment but also without any future adjustment of CIRR, as in case of LIBOR. The comparative schedules of Debt Service Payments with the same withdrawals of Loan under CIRR and LIBOR are attached as per Annexes D and E.

In view of the increased EPC costs and changed Financial structure, discussed in the preceding paragraphs, necessitating for a revised tariff determination by the Authority; a petition under section 7, sub section (3) and section 31 of the NEPRA Act, 1997 read with Rule 3 of the NEPRA Tariff Standards and Procedure Rules 1998 is filed before the Authority for revised tariff determination for its facility located at Bhikki, District Sheikhpura.

5. **Main Assumptions**

Following are the main revised assumptions used for working out the Revised Reference Tariff relating to the Debt Service payment and Return on Equity:

- | | | |
|-----|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) | EPC Cost:
Supply Contract
Construction Contract | 110 Million Euros
20 Million US\$ |
| (2) | Custom Duties & Taxes | A total of \$ 6.026 Million have been assumed under the head of Custom Duties & Taxes calculated @ 5% on the 70% of the EPC cost, however, actual amount will be determined at COD and the total project cost would be adjusted accordingly at COD. |
| (3) | Financial Charges:
• IDC:

• Export Credit Insurance
• Other Financial Charges | Euro 8.026 Million for Foreign Loan and Rs 297.435 Million for Local Loan (The IDC figures are based on the estimated loan drawdown schedules, however, actual IDC would be calculated at the time of Financial Close when the timings of the loan drawdown would be available)

Euro 15.106 Million
Euro 2.537 Million for Foreign Loan
Rs. 48.982 Million for Local Loan |
| (4) | Debt/Equity Ratio: | 75:25 |
| (5) | Equity portion: | US\$ 61.03 Million |
| (6) | Currency of Loans:
• Local Loan
• Foreign Loan | Pakistan Rupee
EURO |
| (7) | Interest Rates:
• Local Loan
• Foreign Loan

• Front End Fee
• Commitment Fee | KIBOR as 9.0% plus 3% premium
CIRR for Euro as 5.47% plus EGAP
Premium as 14.12% (one time payment)
1% for both the loans
0.2% for both the loans |

- (8) Number of interest and principal repayments in a year Four equal quarterly payments
- (9) Repayment period 10 Years
- (10) Reference Exchange Rate 1 USD = PKR 60
1 EURO = PKR 83

On the basis of above revised assumptions, the changes in the existing approved tariff have been requested for approval against the following components:

- Debt Service Component
- Return on Equity
- Return on Equity during Construction

6. **Existing and Proposed Tariff Components**

A comparison of the Existing (Approved by NEPRA) and Proposed Tariff for the various components is given in the following table. Detailed calculations for ROEDC and Debt Servicing Schedules are attached as Annexes F, G and H.

COMPARATIVE SCHEDULE OF EXISTING TARIFF APPROVED BY NEPRA AND PROPOSED TARIFF COMPONENTS

TARIFF COMPONENT	EXISTING	PROPOSED
Energy Charges		
Fuel Component		NO CHANGE
Variable O&M (Operation on Gas)		NO CHANGE
Variable O&M (Operation on HSD)		NO CHANGE
Capacity Charges		Rupees / kW / Hour
Fixed O&M Costs (Local)		NO CHANGE
Fixed O&M Costs (Foreign)		NO CHANGE
Insurance Cost		NO CHANGE
Cost of Working Capital		NO CHANGE
Return on Equity	0.2266	0.3000
Return on Equity during construction	0.0207	0.0709
<u>Debt Service for Years 1 to 10</u>		
• Local Loan	0.7842	0.1922
• Foreign Loan	NIL	0.6329

7. **Reference Tariff Table**

The reference tariff table developed for the project by using financial model based on the above noted assumptions and Debt Service Schedules for Local and Foreign Loans are attached as Annexes I and J.

8. **Indexation, Escalations and Cost Adjustment Assumptions**

In addition to the already approved Indexations and Inflation Factors approved by NEPRA, following additional indexation is required to be approved by NEPRA.

Currency Indexation factors:

- | | |
|---------------------------|---------------------|
| • ROE | US\$/PKR indexation |
| • ROE during construction | US\$/PKR indexation |
| • Foreign Debt Service | Euro/PKR indexation |

9. **Request to NEPRA for Revised Tariff Determination**

The National Electric Power Regulatory Authority (NEPRA) is requested to kindly grant the Revised Tariff Determination in respect of the following:

- A) Approve the proposed revised tariff components as proposed in **Para 6** above based on the new EPC Cost finalized with the EPC Contractor and new Funding arrangements agreed with the Lenders, to remain effective for a period of 30 years from the date of Commercial Operation;
- B) Approve the indexation for EURO in the calculation of Debt Service component for Euro Rupee parity with Reference Rate of one Euro = Rupees 83; and
- C) Approve the indexation of Return on Equity and Return on Equity during Construction for Dollar Rupee parity with Reference rate of one US\$ = Rupees 60.

Calculation of ROE during construction

(50% of Equity injection in first year and 50 % in second year)

	<u>1st Year</u> <u>Million Rs</u>	<u>2nd Year</u> <u>Million Rs</u>	<u>TOTAL</u> <u>Million Rs</u>	<u>Million</u> <u>US\$</u>
Equity injected during Construction	1830.887	1830.887	3661.775	61.030
Rate of Return on Equity	15%			
Return on Equity	274.633	590.461	865.094	14.418
Return on Equity during construction 15% of 865.094			129.764	2.163
Net Capacity of the Power Plant			209 MW	
ROE during construction as Rs/kW/month $129.764 * 10^6 / 209000 / 12$			51.7401	
ROE during construction as Rs/kW/Hour			0.0709	
			$51.7401 / 730$	

Halmore Power Generation Company Limited

Debt Servicing Schedule for Local Loan

Period	Million Rupees					Principal Repayment Rs./kW/Hr.	Interest Rs./kW/Hr.	Total Debt Servicing Rs./kW/Hr.
	Principal	Repayment	Interest	Balance	Debt Service			
1st Q	2,033.665	26.971	61.010	2,006.694	87.981	0.0147	0.0333	0.0481
2nd Q	2,006.694	27.780	60.201	1,978.913	87.981	0.0152	0.0329	0.0481
3rd Q	1,978.913	28.614	59.367	1,950.299	87.981	0.0156	0.0324	0.0481
4th Q	1,950.299	29.472	58.509	1,920.827	87.981	0.0161	0.0320	0.0481
1	2,033.665	112.838	239.087	1,920.827	351.925	0.0616	0.1306	0.1922
1st Q	1,920.827	30.356	57.625	1,890.471	87.981	0.0166	0.0315	0.0481
2nd Q	1,890.471	31.267	56.714	1,859.204	87.981	0.0171	0.0310	0.0481
3rd Q	1,859.204	32.205	55.776	1,826.999	87.981	0.0176	0.0305	0.0481
4th Q	1,826.999	33.171	54.810	1,793.828	87.981	0.0181	0.0299	0.0481
2	1,920.827	127.000	224.925	1,793.828	351.925	0.0694	0.1229	0.1922
1st Q	1,793.828	34.166	53.815	1,759.661	87.981	0.0187	0.0294	0.0481
2nd Q	1,759.661	35.191	52.790	1,724.470	87.981	0.0192	0.0288	0.0481
3rd Q	1,724.470	36.247	51.734	1,688.223	87.981	0.0198	0.0283	0.0481
4th Q	1,688.223	37.334	50.647	1,650.888	87.981	0.0204	0.0277	0.0481
3	1,793.828	142.939	208.985	1,650.888	351.925	0.0781	0.1141	0.1922
1st Q	1,650.888	38.455	49.527	1,612.434	87.981	0.0210	0.0271	0.0481
2nd Q	1,612.434	39.608	48.373	1,572.826	87.981	0.0216	0.0264	0.0481
3rd Q	1,572.826	40.796	47.185	1,532.029	87.981	0.0223	0.0258	0.0481
4th Q	1,532.029	42.020	45.961	1,490.009	87.981	0.0230	0.0251	0.0481
4	1,650.888	160.879	191.045	1,490.009	351.925	0.0879	0.1043	0.1922
1st Q	1,490.009	43.281	44.700	1,446.728	87.981	0.0236	0.0244	0.0481
2nd Q	1,446.728	44.579	43.402	1,402.149	87.981	0.0243	0.0237	0.0481
3rd Q	1,402.149	45.917	42.064	1,356.232	87.981	0.0251	0.0230	0.0481
4th Q	1,356.232	47.294	40.687	1,308.938	87.981	0.0258	0.0222	0.0481
5	1,490.009	181.071	170.854	1,308.938	351.925	0.0989	0.0933	0.1922
1st Q	1,308.938	48.713	39.268	1,260.225	87.981	0.0266	0.0214	0.0481
2nd Q	1,260.225	50.174	37.807	1,210.050	87.981	0.0274	0.0206	0.0481
3rd Q	1,210.050	51.680	36.302	1,158.371	87.981	0.0282	0.0198	0.0481
4th Q	1,158.371	53.230	34.751	1,105.141	87.981	0.0291	0.0190	0.0481
6	1,308.938	203.797	148.128	1,105.141	351.925	0.1113	0.0809	0.1922
1st Q	1,105.141	54.827	33.154	1,050.314	87.981	0.0299	0.0181	0.0481
2nd Q	1,050.314	56.472	31.509	993.842	87.981	0.0308	0.0172	0.0481
3rd Q	993.842	58.166	29.815	935.676	87.981	0.0318	0.0163	0.0481
4th Q	935.676	59.911	28.070	875.765	87.981	0.0327	0.0153	0.0481
7	1,105.141	229.376	122.549	875.765	351.925	0.1253	0.0669	0.1922
1st Q	875.765	61.708	26.273	814.057	87.981	0.0337	0.0144	0.0481
2nd Q	814.057	63.559	24.422	750.497	87.981	0.0347	0.0133	0.0481
3rd Q	750.497	65.466	22.515	685.031	87.981	0.0358	0.0123	0.0481
4th Q	685.031	67.430	20.551	617.601	87.981	0.0368	0.0112	0.0481
8	875.765	258.164	93.761	617.601	351.925	0.1410	0.0512	0.1922
1st Q	617.601	69.453	18.528	548.148	87.981	0.0379	0.0101	0.0481
2nd Q	548.148	71.537	16.444	476.611	87.981	0.0391	0.0090	0.0481
3rd Q	476.611	73.683	14.298	402.928	87.981	0.0402	0.0078	0.0481
4th Q	402.928	75.893	12.088	327.035	87.981	0.0415	0.0066	0.0481
9	617.601	290.566	61.359	327.035	351.925	0.1587	0.0335	0.1922
1st Q	327.035	78.170	9.811	248.865	87.981	0.0427	0.0054	0.0481
2nd Q	248.865	80.515	7.466	168.349	87.981	0.0440	0.0041	0.0481
3rd Q	168.349	82.931	5.050	85.419	87.981	0.0453	0.0028	0.0481
4th Q	85.419	85.419	2.563	0.000	87.981	0.0467	0.0014	0.0481
10	327.035	327.035	24.890	0.000	351.925	0.1786	0.0136	0.1922

Halmore Power Generation Company Limited

Debt Servicing Schedule for Euro Loan

Euro = 83 Rupees

Period	Million EUROS					Principal Repayment Rs./kW/Hr.	Interest Rs./kW/Hr.	Total Debt Servicing Rs./kW/Hr.
	Principal	Repayment	Interest	Balance	Debt Service			
1st Q	106.983	2.027	1.463	104.955	3.490	0.0919	0.0663	0.1582
2nd Q	104.955	2.055	1.435	102.900	3.490	0.0932	0.0651	0.1582
3rd Q	0.000	2.083	1.407	-2.083	3.490	0.0944	0.0638	0.1582
4th Q	100.817	2.112	1.379	98.706	3.490	0.0957	0.0625	0.1582
1	106.983	8.277	5.684	98.706	13.961	0.3752	0.2577	0.6329
1st Q	98.706	2.140	1.350	96.565	3.490	0.0970	0.0612	0.1582
2nd Q	96.565	2.170	1.321	94.396	3.490	0.0984	0.0599	0.1582
3rd Q	94.396	2.199	1.291	92.196	3.490	0.0997	0.0585	0.1582
4th Q	92.196	2.229	1.261	89.967	3.490	0.1011	0.0572	0.1582
2	98.706	8.739	5.222	89.967	13.961	0.3962	0.2367	0.6329
1st Q	89.967	2.260	1.230	87.707	3.490	0.1025	0.0558	0.1582
2nd Q	87.707	2.291	1.199	85.416	3.490	0.1039	0.0544	0.1582
3rd Q	85.416	2.322	1.168	83.094	3.490	0.1053	0.0530	0.1582
4th Q	83.094	2.354	1.136	80.740	3.490	0.1067	0.0515	0.1582
3	89.967	9.227	4.734	80.740	13.961	0.4183	0.2146	0.6329
1st Q	80.740	2.386	1.104	78.354	3.490	0.1082	0.0501	0.1582
2nd Q	78.354	2.419	1.071	75.935	3.490	0.1097	0.0486	0.1582
3rd Q	75.935	2.452	1.038	73.484	3.490	0.1112	0.0471	0.1582
4th Q	73.484	2.485	1.005	70.998	3.490	0.1127	0.0456	0.1582
4	80.740	9.742	4.219	70.998	13.961	0.4416	0.1913	0.6329
1st Q	70.998	2.519	0.971	68.479	3.490	0.1142	0.0440	0.1582
2nd Q	68.479	2.554	0.936	65.925	3.490	0.1158	0.0425	0.1582
3rd Q	65.925	2.589	0.902	63.336	3.490	0.1174	0.0409	0.1582
4th Q	63.336	2.624	0.866	60.712	3.490	0.1190	0.0393	0.1582
5	70.998	10.286	3.675	60.712	13.961	0.4663	0.1666	0.6329
1st Q	60.712	2.660	0.830	58.052	3.490	0.1206	0.0376	0.1582
2nd Q	58.052	2.696	0.794	55.356	3.490	0.1222	0.0360	0.1582
3rd Q	55.356	2.733	0.757	52.623	3.490	0.1239	0.0343	0.1582
4th Q	52.623	2.771	0.720	49.852	3.490	0.1256	0.0326	0.1582
6	60.712	10.860	3.101	49.852	13.961	0.4923	0.1406	0.6329
1st Q	49.852	2.808	0.682	47.044	3.490	0.1273	0.0309	0.1582
2nd Q	47.044	2.847	0.643	44.197	3.490	0.1291	0.0292	0.1582
3rd Q	44.197	2.886	0.604	41.311	3.490	0.1308	0.0274	0.1582
4th Q	41.311	2.925	0.565	38.386	3.490	0.1326	0.0256	0.1582
7	49.852	11.467	2.494	38.386	13.961	0.5198	0.1131	0.6329
1st Q	38.386	2.965	0.525	35.420	3.490	0.1344	0.0238	0.1582
2nd Q	35.420	3.006	0.484	32.415	3.490	0.1363	0.0220	0.1582
3rd Q	32.415	3.047	0.443	29.368	3.490	0.1381	0.0201	0.1582
4th Q	29.368	3.089	0.402	26.279	3.490	0.1400	0.0182	0.1582
8	38.386	12.107	1.854	26.279	13.961	0.5489	0.0841	0.6329
1st Q	26.279	3.131	0.359	23.148	3.490	0.1419	0.0163	0.1582
2nd Q	23.148	3.174	0.317	19.974	3.490	0.1439	0.0144	0.1582
3rd Q	19.974	3.217	0.273	16.757	3.490	0.1458	0.0124	0.1582
4th Q	16.757	3.261	0.229	13.496	3.490	0.1478	0.0104	0.1582
9	26.279	12.783	1.178	13.496	13.961	0.5795	0.0534	0.6329
1st Q	13.496	3.306	0.185	10.191	3.490	0.1499	0.0084	0.1582
2nd Q	10.191	3.351	0.139	6.840	3.490	0.1519	0.0063	0.1582
3rd Q	6.840	3.397	0.094	3.443	3.490	0.1540	0.0042	0.1582
4th Q	3.443	3.443	0.047	0.000	3.490	0.1561	0.0021	0.1582
10	13.496	13.496	0.465	0.000	13.961	0.6118	0.0211	0.6329

TOTAL

106.983

BHIKKI POWER PROJECT REFERENCE TARIFF (PLANT OPERATION ON GAS)

Net Capacity of Plant 209 MW

YEARS	ENERGY CHARGE			CAPACITY CHARGE											TOTAL CAPACITY CHARGE		TOTAL TARIFF
	Rupees per kWh			Rupees per kW per Hour											Rs/kW/hr	Rs/kWh at 60% APF	Rs/kWh
	FUEL	VARIABLE	Total Energy Charge	ESCALABLE COMPONENT								NON-ESCALABLE COMPONENT					
				Fixed O & M Foreign	Fixed O & M Local	Insurance	Working Capital	Return on Equity DC	Return on Equity	With-holding Tax	TOTAL ESCALABLE	Debt Servicing					
											LOCAL	FOREIGN	Total				
1	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.1954	0.6403	0.8357	1.4355	2.3925	4.3458
2	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.1954	0.6403	0.8357	1.4355	2.3925	4.3458
3	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.1954	0.6403	0.8357	1.4355	2.3925	4.3458
4	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.1954	0.6403	0.8357	1.4355	2.3925	4.3458
5	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.1954	0.6403	0.8357	1.4355	2.3925	4.3458
6	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.1954	0.6403	0.8357	1.4355	2.3925	4.3458
7	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.1954	0.6403	0.8357	1.4355	2.3925	4.3458
8	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.1954	0.6403	0.8357	1.4355	2.3925	4.3458
9	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.1954	0.6403	0.8357	1.4355	2.3925	4.3458
10	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
11	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
12	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
13	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
14	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
15	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
16	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
17	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
18	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
19	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
20	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
21	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
22	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
23	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
24	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
25	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
26	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
27	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
28	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
29	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.0000	0.0000	0.0000	0.5997	0.9996	2.9529
30	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997	0.1274	0.4174	0.5447	1.1445	1.9075	3.3608
LEVELIZED	1.7787	0.1746	1.9533	0.0651	0.0434	0.0762	0.0163	0.0709	0.3000	0.0278	0.5997						Cents 3.4146

BHIKKI POWER PROJECT REFERENCE TARIFF (PLANT OPERATION ON HSD)

Net Capacity of Plant 209 MW

YEARS	ENERGY CHARGE			CAPACITY CHARGE											TOTAL CAPACITY CHARGE		TOTAL TARIFF
	Rupees per kWh			Rupees per kW per Hour											Rs/kWh/hr	Rs/kWh at 60% APF	Rs/kWh
	FUEL	VARIABLE	Total Energy Charge	ESCALABLE COMPONENT								NON-ESCALABLE COMPONENT					
				Fixed O & M Foreign	Fixed O & M Local	Insurance	Working Capital	Return on Equity DC	Return on Equity	With-holding Tax	TOTAL ESCALABLE	Debt Servicing					
											LOCAL	FOREIGN	Total				
1	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.1954	0.6403	0.8357	1.4541	2.4235	9.3906
2	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.1954	0.6403	0.8357	1.4541	2.4235	9.3906
3	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.1954	0.6403	0.8357	1.4541	2.4235	9.3906
4	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.1954	0.6403	0.8357	1.4541	2.4235	9.3906
5	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.1954	0.6403	0.8357	1.4541	2.4235	9.3906
6	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.1954	0.6403	0.8357	1.4541	2.4235	9.3906
7	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.1954	0.6403	0.8357	1.4541	2.4235	9.3906
8	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.1954	0.6403	0.8357	1.4541	2.4235	9.3906
9	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.1954	0.6403	0.8357	1.4541	2.4235	9.3906
10	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
11	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
12	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
13	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
14	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
15	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
16	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
17	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
18	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
19	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
20	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
21	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
22	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
23	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
24	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
25	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
26	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
27	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
28	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
29	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.0000	0.0000	0.0000	0.6183	1.0306	7.9977
30	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183	0.1274	0.4174	0.5447	1.1631	1.9386	8.9056
LEVELIZED	6.7151	0.2520	6.9671	0.0651	0.0434	0.0762	0.0349	0.0709	0.3000	0.0278	0.6183				Cents		14.6426