NAME AND ADDRESS OF THE PETITIONER

Engro Energy (Private) Limited 7th Floor, PNSC Building MT Khan Road Karachi

GROUNDS AND THE FACTS FORMING THE BASIS OF THE TARIFF PETITION

Engro Chemical Pakistan Limited (ECPL) submitted a proposal to the Government of Pakistan's Private Power and Infrastructure Board (PPIB), Ministry of Water & Power, on October 18, 2005 to develop an innovative, fast-track project of 150 – 250 MW capacity combined cycle power plant at Daharki based on permeate gas from Qadirpur gas field.

The PPIB issued a letter of interest (LOI) to ECPL on January 6, 2006 for approximately 150 MW Gas-based power generation project.

The project company, Engro Energy (Private) Limited (EEL), was incorporated on February 28, 2006 under the Companies Ordinance, 1984, and 7th Floor, PNSC Building, MT Khan Road, Karachi, being its registered office.

Pursuant to the LOI, in January 2006, a detailed feasibility study was awarded to M/s Fichtner of Germany and M/s Hagler Bailly were engaged to conduct the Environmental Impact Assessment (EIA).

A draft feasibility report was submitted to the PPIB in April 2006. Fichtner representatives and Engro team made a presentation to the PPIB/Panel of Experts (POE) on May 5, 2006 explaining the salient features of this unique project based on permeate gas.

The POE communicated their observations/concerns on the draft feasibility on June 9, 2006. These suggestions/comments made by POE were addressed and incorporated in the final draft of the feasibility report which was submitted to the PPIB on August 17, 2006.

The PPIB/POE approved the feasibility study on September 20, 2006 and advised ECPL to file an application with National Electric Power Regulatory Authority (NEPRA) for Tariff determination.

The feasibility study indicates that GE 9E and Alstom GT 11N2 are the viable options for producing 175 to 180 MW power with the 75 MMSCFD allocated quantity of permeate gas. In case an additional quantity of 9-10 MMSCFD higher calorific gas (HCG) is made available to the project along with 75 MMSCFD permeate gas, then Siemens SGT5 –

2000E shall also be the suitable option with higher output (246MW) and better efficiency.

The permeate gas which could not be utilized in the Gas Turbine would need to be flared. In order to ensure that all the allocated quantity of permeate gas shall be utilized, a supplementary firing in HRSG has been proposed to provide additional 50 MWs.

Key components and parameters of the tariff based on GE 9E with supplementary firing are as follows:

| Gross Plant Capacity (MW) @ ISO conditions with 75MMSCFD gas | 226.52 |
|--|--------|
| Gross Plant Capacity (MW) @ Mean Site Conditions | 223.80 |
| Net Plant Capacity (MW) | 216.80 |
| Notional Plant Load Factor | 60 % |

SCHEDULES OF CHARGES, COSTS, UNITS, PRICE AND OTHER ITEMS COMPRISING THE PROPOSED TARIFF

OPERATIONAL AND FINANCIAL ASSUMPTIONS

Plant Design and Operational Assumptions

| Gross Plant Capacity @ ISO Conditions | 226.52 MW |
|---|-------------------------------------|
| Gross Plant Capacity @ Reference Conditions | 223.80 MW |
| Auxiliaries Consumption | 7.00 MW |
| Net Plant Capacity @ Reference Conditions | 216.80 MW |
| Gross Thermal Efficiency on permeate gas with | |
| supplementary firing | 47.00 % |
| Net Thermal Efficiency on permeate gas with | |
| supplementary firing | 45.53 % |
| Heat Rate on permeate gas at full load with | |
| supplementary firing | 7907 KJ/KWh |
| Net Plant Capacity @ Reference Conditions on | |
| HSD without supplementary firing | 155.30 MW |
| Net Thermal Efficiency on HSD without | |
| supplementary firing | 45.26 % |
| Heat Rate on HSD at full load without | |
| supplementary firing | 7953 KJ/KWh |
| Capacity Factor | 60 % Notional |
| | As per heat rate/performance curves |
| Degradation/partial loading | from the Manufacturer |
| HHV of permeate gas | 565-625 Btu/Scf |
| Plant Design point HHV | 572 Btu/Scf |

| Permeate Gas H ₂ S Contents | Less than 320 ppm |
|--|--|
| Permeate Gas Price @ HHV (Same as Natural gas) | 264.90 PKR/MMBtu |
| HHV - LHV factor | 0.9015 |
| Permeate Gas Price @ LHV | 293.84 PKR/MMBtu |
| HSD Price delivered at site | 37.70 PKR/Litre |
| Backup Fuel | HSD |
| HSD Storage | Seven (7) days |
| Reference Conditions | |
| Ambient Temperature | 27 C |
| Relative Humidity | 60% |
| Site Altitude | 75 meter above sea level |
| Financial Assumptions | |
| EPC Cost | 168.00 Million US\$ |
| Project specific EPC Cost | 10.00 Million US\$ |
| Project Development Cost | 6.70 Million US\$ |
| Services | 12.83 Million US\$ |
| Total CAPEX (excl. IDC) | 197.53 Million US\$ |
| IDC | 17.32 Million US\$ |
| Return on Equity during Construction & Commissioning | 9.12 Million US\$ |
| Financing Fee | 3.33 Million US\$ |
| Foreign loan registration Stamp Duty | 1.67 Million US\$ |
| Total CAPEX | 228.97 Million US\$ |
| Term of agreement | 25 years |
| IRR on equity investment | 15% |
| Debt: Equity Ratio | 75:25% |
| Funding | Equity in PKR; Debt in US \$ LIBOR(5.4%) plus 3.5% on foreign loan & KIBOR plus 2% on local loan |
| Interest Rate | for working capital |
| Tenure of foreign exchange loan | 10 years + 2.33 years Grace Period |

| Number of Principal & Interest payments per year | Two semi annual payments |
|--|---|
| Discount rate for calculating Levelized tariff | 10% |
| Reference Exchange Rate | 1 US\$ = 61 PKR |
| Working Capital Requirements | HSD Stock of 7 days |
| | 6 Months DSRA (Debt Service Reserve Account) Lender's Requirement |
| | Spare parts for a period of 3 years |
| Indexation Assumptions | |
| Variable O&M – Local | Local WPI |
| Variable O&M – Foreign | US CPI and USD/PKR indexation |
| Escalable Component – Local | Local WPI |
| Escalable Component – Foreign | US CPI and USD/PKR indexation |
| Debt | Changes in 6 month LIBOR plus USD/PKR indexation |
| Fuel Component | Change in fuel price plus adjustment for part load operation and for degradation (Recoverable and Non Recoverable) |

GENERAL ASSUMPTIONS

The following has been assumed while calculating the tariff. Any changes to these assumptions will result in a change to the proposed tariff.

- Customs duties on the import of plant, equipment, material and spare parts are considered @ 5%. Any change in the customs duties or any other duty or tax on import of equipment & material will be "pass through" to the Power Purchaser. Similarly, customs duties on spare parts after COD will be "pass through" to the Power Purchaser.
- ➤ Only 6% withholding tax on local services assumed. No other taxes on payments to be made to the EPC Contractor assumed. Any additional tax, if levied, will be "pass through" to the Power Purchaser.
- > 7.5 % withholding tax on dividend payment assumed. Any change in the aforesaid withholding tax regime will be "pass through" to the Power Purchaser. General sales tax and all other taxes will also be treated as "pass through".
- ➤ Zakat deduction on dividends (currently @ 2.5%), as required to be deducted under Zakat Ordinance, is considered as "pass-through".
- ➤ Debt is assumed in foreign currency (USD) and Equity is assumed in local currency (PKR).
- ➤ The Return on Equity for the construction & commissioning period shall be adjusted at the time of COD according to the actual Equity disbursement during such period.
- ➤ Power purchaser/NTDC shall be exclusively responsible for the financing, construction, operation and maintenance of the Interconnection and Transmission Facilities.
- Exchange Rate (PKR/USD) is taken @ PKR 61 per USD.
- ➤ No cost of utilizing NTDC telecom media is assumed. Any costs incurred with regard thereto will be treated as "pass through".
- ➤ Main Energy meter and electronic recorder for continuous recording of readings will be provided by NTDC at its own cost.
- ➤ No cost for main gas metering station is assumed. It is assumed that it shall be provided by gas supplier at its own cost.
- \triangleright Tolerance band of \pm 3 % in dispatch is assumed.

- ➤ Thirty days per year Schedule Outage for Washing and Combustion Inspection; forty-five days for Washing and Hot Gas Path Inspection and sixty days for Washing and Major Overhaul have been assumed. Five hundred hours per year for Forced Outage are assumed. During these periods, full capacity payments shall be paid by the Power Purchaser.
- ➤ Cost of seven (7) days HSD storage (100% load @ reduced Contract Capacity of 155 MW) is assumed in the working capital.
- ➤ Working capital for bridge financing to cover the lag between payments to be made to the Gas Supplier and payments to be received from the Power Purchaser/NTDC is not considered as per assurance of Power purchaser that Power Purchaser shall pay the Seventy percent (70%) of Capacity payments in advance every month from COD. In case it is not given then the working capital of 15 days Fuel (Gas) cost shall be considered & financial cost shall be passed to Power Purchaser.
- ➤ Fuel cost component for energy delivered before COD and all the testing after COD shall be paid by the Power Purchaser to the Company. Capacity Payments and Energy Payments shall be made during Annual Testing.
- No O&M Reserve, Maintenance Reserve Account, Contingency Reserve Account or any other Reserve account (except DSRA for 6 months) has been considered in the Tariff model. In case Company is required to do so, the financial impact would be "pass through".
- ➤ The fuel component and Capacity will be adjusted for aging (permanent degradation), fouling (recoverable degradation) and ambient degradation factors in order to compensate the effect of performance deterioration by these factors as per Manufacturer's curves.
- > The fuel component will be adjusted for changes in calorific value of the permeate gas as per Manufacturer's curve.
- ➤ In case of 100 % HSD use, degradation will be different and HSD based tariff shall be applicable.
- ➤ Partial loading shall be compensated as per performance curves.
- Required gas pressure (32 bars) shall be maintained by Gas Supplier at gas inlet stop valve of gas turbine. Therefore, gas booster compressors and auxiliaries are to be installed & maintained by gas supplier as per decision of PPIB with OGDCL & SNGPL (Copy attached)
- Additional cost for gas turbine start-up, shut down and part load operation with HSD or HSD admixture to gas shall be compensated by factors as per gas turbine Manufacturer recommendation.

- ➤ No open cycle operation prior to COD assumed.
- ➤ The Complex will operate in open cycle below 50% load.
- ➤ The Complex will operate on HSD upto 50% load. Conversion from HSD to gas will take place from 50% to 60% load.
- > During the Term, if there is any gas supply interruption (temporary interruption or annual turn around of supplier), and plant is required to dispatch on HSD, the Power purchaser will pay HSD based tariff.
- ➤ Number of Cold, Warm and Hot start-ups will be as per Manufacturer's recommendations. Cost of start-ups shall be "pass through".
- ➤ For operation and maintenance requirement of plant on permeate gas and HSD, equivalent operating hours at different loads, fuel, shut down/start-up and trips shall be considered as per Manufacturer recommendations.
- ➤ The Power Purchaser shall supply power to the plant during off load period at fuel component rate.
- ➤ In case of open cycle mode operation, heat rate / efficiency will be different and energy component will be adjusted accordingly.
- ➤ GSA shall be equivalent to the PPA term.
- ➤ 24 months prior to gas reservoir depletion or in case of sudden/catastrophic failure of reservoir, Company to get capacity payments from Power Purchaser until GOP shall allow one of the following:
 - New Gas Allocation;
 - HSD based tariff throughout the year for the remainder of the PPA Term as per GOP's Fuel policy;
 - If the plant is required to convert on LSFO then all costs pertaining to O&M, alternate fuel heat rate, modification cost and alternate fuel storage tanks cost shall be "passed through" to the Power Purchaser in the form of a supplemental tariff. Furthermore, the Power Purchaser shall make the Capacity Payments to the Project Company during the Conversion Period.
 - Termination of the IA and recovery by the Project Company of items "a", "b" and "f" under Schedule 2 to the IA.
- ➤ In case of operation on HSD, the Power Purchaser shall make Energy Payments on weekly basis to avoid the requirement for the additional working capital.
- No post-COD LC in favour of the Power Purchaser assumed.

> HSD tariff shall be determined now and agreed to avoid any operational delays.

REFERENCE PROJECT COST

| Power plant EPC Cost | 168.00 Million US\$ |
|--|-----------------------------|
| Project Specific EPC | |
| Gas pipeline | 2.5 Million US \$ |
| Residential Colony | 4.1 Million US \$ |
| Water & waste water pipelines | 2.3 Million US \$ |
| Access Road | 0.3 Million US \$ |
| Evaporation Ponds | 0.8 Million US \$ |
| Total Project specific EPC Cost | 10.00 Million US \$ |
| Total EPC Cost | 178.00 Million US\$ |
| Project Development Cost | |
| Permits, Feasibility, ITB, Bid Evaluation etc. | 0.73 Million US \$ |
| Consultancy Financial (Lenders) | 0.70 Million US \$ |
| Consultancy (Legal & Commercial) | 0.27 Million US\$ |
| Company Overhead during Development | 2.34 Million US \$ |
| Bank Charges for Performance Guarantee, | 1.50 Million US \$ |
| Land acquisition incl. fees | 1.16 Million US \$ |
| Total Project Development Cost | 6.70 Million US\$ |
| Services Cost | |
| Administrative costs of project company | 1.94 Million US \$ |
| Construction Management | 6.49 Million US \$ |
| Insurance during construction | 2.80 Million US \$ |
| Utilities during construction | 0.50 Million US\$ |
| Fuel cost during testing | 0.60 Million US \$ |
| First Fill of lubes & chemicals | 0.50 Million US \$ |
| Total Cost of Services | 12.83 Million US\$ |
| Financing Cost | |
| Financing Fee | 3.33 Million US\$ |
| Foreign loan registration Stamp Duty | 1.67 Million US\$ |
| Interest during Construction | 17.32 Million US\$ |
| Return on Equity during Construction | 9.12 Million US\$ |
| Total Cost of Financing | 31.44 Million US\$ |
| Total Project Cost | 228.97 Million US \$ |

KEY FACTORS UNDERLYING THE CALCULATIONS OF THE TARIFF

FUEL COMPONENT

The gas supplier will charge the gas cost based on HHV. A conversion factor of 1.1093 has been used to convert Gross calorific value to Net Calorific value.

The Gross thermal efficiency of 47 % has been assumed. This efficiency number is relatively on the lower side due to supplementary firing in HRSG. The supplementary firing option has been incorporated to ensure utilization of all the allocated quantity of permeate gas (75MMSCFD) and producing more power instead of flaring the balance quantity of gas thus averting loss of precious and scarce national resource.

The Net thermal efficiency of CCPP based on permeate gas would be 45.53 %.

The proposed thermal efficiency with permeate gas is for 100% loading on a brand new machine. The following factors are assumed to be applicable to the Fuel component:

- ➤ Heat rate degradation factor (Recoverable and Non-recoverable) as per Manufacturer's data to compensate for the effects of efficiency degradation due to aging and fouling.
- ➤ Partial load Heat rate adjustment as per Manufacturer's data to compensate for the lower efficiency while operating on partial load.
- ➤ Part load operation with HSD or HSD admixture to the permeate gas shall be compensated by factors based on the data from the Manufacturer.

The Gross thermal efficiency while operating on HSD without supplementary firing in HRSG will be 46.8%. This efficiency number is also relatively on the lower side due to part load operation of steam turbine @ 50 MW vs. name plate capacity of 127 MW.

The Net thermal efficiency on HSD would be 45.26 %.

The start-up cost shall be charged on the condition of the plant (Hot, Warm and Cold) prior to start-up.

The fuel component would be indexed with any change in the price of gas.

VARIABBLE O&M COMPONENT

Variable O&M cost component will be part of Energy charge and will be allocated to local and foreign components.

Local Component

This component mainly consists of lubricants, chemicals for water treatment, small consumable parts and other supplies which will be procured locally. This component shall be escalated with local inflation rate (WPI).

Foreign Component

It consists of (i) replacement cost of imported spare parts on completion of their service life (ii) replacement cost of spare parts in case of premature failure (unscheduled maintenance), (iii) technical services obtained from foreign experts during maintenance. This component shall be indexed with US CPI and US\$/PKR exchange rate.

FIXED O&M COST

Local fixed O&M cost

It includes insurance, O&M staff cost, Administrative cost of the Project Company including remuneration to employees and Chief Executive Officer, rents, utilities and local taxes. It also includes costs such as NEPRA annual fee, bank charges for SNGPL bank guarantee, audit fees, legal and consultancy fees etc. This component shall be indexed to local WPI.

Foreign fixed O&M cost

This component mainly consists of Major overhauling cost which shall be undertaken as per Manufacturer's recommendation. It is subject to both US CPI and US\$/PKR indexation.

RETURN ON EQUITY

Equity rate of return is based on 15 % IRR net of 7.5% withholding tax. Equity portion is 25 % of project cost at COD. Equity is based on local currency and shall be indexed to WPI.

NON ESCALABLE COMPONENT

This component represents repayment of debt. The debt is assumed to be in foreign currency bearing an interest rate of LIBOR + 3.5 %. The term of the loan will be 10 years after COD. Principal repayment and interest payment shall be on semi annual basis.

FACTORS INFLUENCING EPC COST & TARIFF

Permeate Gas:

Permeate gas is a low Btu Gas with high Sulphur contents. Due to low Btu nature of the gas, only few turbines were found to be suitable for operation on this gas. Also, due to high sulphur contents (320ppm), the exhaust gas temperature of HRSG has to be kept on the higher side to avoid corrosion due to acid gas condensation resulting in lower steam generation in HRSG thus causing lower efficiency. High sulphur contents have also necessitated use of special material in HRSG to accommodate supplementary firing.

Supplementary Firing:

75 MMCFD of permeate gas has been allocated to Engro IPP. In order to avoid flaring of balance permeate gas which could not be consumed in gas turbine, supplementary firing is incorporated into the design of HRSG. This has resulted in increased capacity of the power plant by 50 MW. However, it has relatively lowered the efficiency of the cycle slightly as compared to a conventional Combined Cycle plant based on pipeline quality natural gas.

Black Start Facility, 4 MW Capacity:

The power plant will be capable of black start. This is accomplished by installing two MV generators of 2 MW each. Moreover, control and switchgear for the generators will also be installed.

Two extra 220kV Lines (incoming from Fauji IPP lines):

Transmission line between Fauji and Rohri will be looped in and out of the power plant. This was identified in Load Flow Study conducted by NTDC. Therefore, Engro IPP has to install four lines as compared to two lines. This has increased the scope and size of HV switchgear, protection system and ratings of the fault interrupting devices.

Remote Water off-Take Facility:

Water off-take will be from Ghotki feeder canal which is seven KM away from the proposed Power Plant. This requires pumping station, water pipeline, right of way, overhead transmission line complete with poles, conductors, MV switchgear and transformers.

Reverse Osmosis (RO) Plant:

Well water arrangement has been designed as a back-up when Ghotki canal is closed for maintenance. A RO plant will be installed at the proposed site to treat the well water and make it suitable for steam generation.

Construction of Residential Colony:

Since EEL's power plant will be at a remote location, there is a need to construct an appropriate residential colony for the staff in order to attract and retain good quality human resource.

Security:

On account of remote location of the proposed Power Plant, in addition to construction of a suitable residential facility for the O&M staff, provision of security for the power plant and the Company's staff has been budgeted.

Access Road:

Plant is located away from the main road. An access road of approximately 1 KM shall be built for the proposed Power Plant. This necessitated additional civil work and right of way.

RELIEF OR DETERMINATION SOUGHT;

The Petitioner requests the learned Authority to kindly approve generation tariff based on (a) permeate gas and, in the case of non-availability thereof, (b) high speed diesel, as submitted herein.

EVIDENCE IN SUPPORT OF THE PETITION.

- ➤ Minutes of Meeting of PPIB dated July 22, 2006
- Letter of Interest dated January 6, 2006
- > Performance Guarantee
- Feasibility Study approval letter dated September 20, 2006
- > 75 MMCFD Gas Allocation letter for IPP
- ➤ PPIB letter to SNGPL for GSA negotiation with ENGRO
- ➤ Authority Permission to CPPA to procure power from Engro

The Summarized tariff table on Permeate Gas is as follows.

| | | | | | | | | | | | US Ce | ents/KWh | |
|-------------------------|-------|--------|-------------------|-------|-------|-------------------------------|---------|-------------------|--------------------|------------------|-------|----------|--|
| | En | | urchase l EPP) | Price | | Capacity Purchase Price (CPP) | | | | | | | |
| | | Varial | ole O&M | | | Fixed | O&M | | | | | | |
| | Fuel | Local | Foreign | Total | ROE | Local | Foreign | Interest on WC | Total Escalable | Non Escalable | Total | Total | |
| Average (Year 1-10) | 3.610 | 0.048 | 0.214 | 3.872 | 0.869 | 0.423 | 0.029 | 0.117 | 1.438 | 2.307 | 3.745 | 7.617 | |
| Average (Year 11-25) | 3.610 | 0.048 | 0.214 | 3.872 | 0.869 | 0.423 | 0.029 | 0.038 | 1.359 | 0.000 | 1.359 | 5.231 | |
| Average (Year 1-25) | 3.610 | 0.048 | 0.214 | 3.872 | 0.869 | 0.423 | 0.029 | 0.070 | 1.391 | 0.923 | 2.314 | 6.186 | |
| Levelized | 3.610 | 0.048 | 0.214 | 3.872 | 0.869 | 0.423 | 0.029 | 0.096 | 1.417 | 1.562 | 2.979 | 6.851 | |

| | En | | urchase l EPP) | Price | | Capacity Purchase Price (CPP) | | | | | | | |
|-------------------------|-------|--------|-------------------|-------|-------|-------------------------------|---------|-------------------|--------------------|------------------|-------|-------|--|
| | | Varial | ble O&M | | | Fixed | 0&M | | | | | | |
| | Fuel | Local | Foreign | Total | ROE | Local | Foreign | Interest on WC | Total Escalable | Non Escalable | Total | Total | |
| Average (Year 1-10) | 2.202 | 0.029 | 0.131 | 2.362 | 0.530 | 0.258 | 0.018 | 0.071 | 0.877 | 1.407 | 2.284 | 4.646 | |
| Average (Year 11-25) | 2.202 | 0.029 | 0.131 | 2.362 | 0.530 | 0.258 | 0.018 | 0.023 | 0.829 | 0.000 | 0.829 | 3.191 | |
| Average (Year 1-25) | 2.202 | 0.029 | 0.131 | 2.362 | 0.530 | 0.258 | 0.018 | 0.043 | 0.849 | 0.563 | 1.412 | 3.774 | |

The Summarized tariff table on High Speed Diesel (HSD) is as follows.

| | | | | | | | | | | | US Ce | ents/KWh |
|-------------------------|--------|--------|-------------------|--------|-------|-------|---------|-------------------|--------------------|------------------|-------|----------|
| | En | - | urchase l EPP) | Price | | C | apacity | Purchase | Price (CI | PP) | | |
| | | Varial | ole O&M | | | Fixed | O&M | | | | | |
| | Fuel | Local | Foreign | Total | ROE | Local | Foreign | Interest on WC | Total Escalable | Non Escalable | Total | Total |
| Average (Year 1-10) | 13.516 | 0.052 | 0.387 | 13.955 | 1.213 | 0.591 | 0.041 | 0.163 | 2.008 | 3.220 | 5.228 | 19.183 |
| Average (Year 11-25) | 13.516 | 0.052 | 0.387 | 13.955 | 1.213 | 0.591 | 0.041 | 0.053 | 1.898 | 0.000 | 1.898 | 15.853 |
| Average (Year 1-25) | 13.516 | 0.052 | 0.387 | 13.955 | 1.213 | 0.591 | 0.041 | 0.097 | 1.942 | 1.288 | 3.230 | 17.185 |
| Levelized | 13.516 | 0.052 | 0.387 | 13.955 | 1.213 | 0.591 | 0.041 | 0.135 | 1.980 | 2.180 | 4.160 | 18.115 |

| | En | | urchase l EPP) | Price | | C | Capacity | Purchase | Price (Cl | PP) | | |
|-------------------------|-------|--------|-------------------|-------|-------|-------|----------|-------------------|--------------------|------------------|-------|--------|
| | | Varial | ble O&M | | | Fixed | O&M | | | | | |
| | Fuel | Local | Foreign | Total | ROE | Local | Foreign | Interest on WC | Total Escalable | Non Escalable | Total | Total |
| Average (Year 1-10) | 8.245 | 0.032 | 0.236 | 8.513 | 0.740 | 0.361 | 0.025 | 0.099 | 1.225 | 1.964 | 3.189 | 11.702 |
| Average (Year 11-25) | 8.245 | 0.032 | 0.236 | 8.513 | 0.740 | 0.361 | 0.025 | 0.032 | 1.158 | 0.000 | 1.158 | 9.671 |
| Average (Year 1-25) | 8.245 | 0.032 | 0.236 | 8.513 | 0.740 | 0.361 | 0.025 | 0.059 | 1.185 | 0.786 | 1.971 | 10.484 |

PROPOSED REFERENCE TARIFF TABLE (US Cents/KWh)

On Permeate Gas

| | | ENERG | Y CHARG | E | | | CA | PACITY | CHARG | E | | |
|--------|--------|--------|-------------|-----------|--------|---------|---------|----------|-------------|-----------|----------|-----------|
| | | US Ce | nts per kWh | | | | | US (| Cents per k | Wh | | |
| | | | | TOTAL | E | ESCALAI | BLE CO | MPONEN | T | Non | TOTAL | TOTAL |
| | | | le O&M | ENERGY | ROE | Fixed | | Interest | TOTAL | Escalable | CAPACITY | TARIFF |
| YEARS | FUEL | Local | Foreign | CHARGE | | Local | Foreign | on WC | | LOANS | CHARGE | Cents/kWh |
| 1 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.1663 | 1.4879 | 2.3071 | 3.7950 | 7.6665 |
| 2 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.1663 | 1.4879 | 2.3071 | 3.7950 | 7.6665 |
| 3 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.1663 | 1.4879 | 2.3071 | 3.7950 | 7.6665 |
| 4 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0956 | 1.4172 | 2.3071 | 3.7242 | 7.5958 |
| 5 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0956 | 1.4172 | 2.3071 | 3.7242 | 7.5958 |
| 6 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0956 | 1.4172 | 2.3071 | 3.7242 | 7.5958 |
| 7 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0956 | 1.4172 | 2.3071 | 3.7242 | 7.5958 |
| 8 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0956 | 1.4172 | 2.3071 | 3.7242 | 7.5958 |
| 9 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0956 | 1.4172 | 2.3071 | 3.7242 | 7.5958 |
| 10 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0956 | 1.4172 | 2.3071 | 3.7242 | 7.5958 |
| 11 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 12 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 13 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 14 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 15 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 16 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 17 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 18 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 19 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 20 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 21 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 22 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 23 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 24 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 25 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| YEARS | | | AVERAG | GE TARIF. | F US | Cents/k | Wh | | | | | |
| 1-10 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.1168 | 1.4384 | 2.3071 | 3.7455 | 7.6170 |
| 11-25 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0381 | 1.3597 | 0.0000 | 1.3597 | 5.2312 |
| 1 -25 | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0696 | 1.3912 | 0.9228 | 2.3140 | 6.1855 |
| LEVEL. | | | | | | | | | | | | |
| TARIFF | 3.6097 | 0.0477 | 0.2141 | 3.8715 | 0.8690 | 0.4235 | 0.0292 | 0.0964 | 1.4180 | 1.5617 | 2.9797 | 6.8512 |

PROPOSED REFERENCE TARIFF TABLE (Rs/KWh)

On Permeate Gas

| | | ENERG | Y CHARG | E | | | CA | PACITY | CHARG | E | | |
|--------|--------|--------|------------|---------|----------|---------|---------|----------|-------------|-----------|----------|----------|
| | | Rupe | es per kWh | | | | | Rı | ipees per k | Wh | | |
| | | | | TOTAL | F | ESCALAI | BLE CO | MPONEN | T | Non | TOTAL | TOTAL |
| | | 1 | le O&M | ENERGY | ROE | Fixed | | Interest | TOTAL | Escalable | CAPACITY | TARIFF |
| YEARS | FUEL | Local | Foreign | CHARGE | | Local | Foreign | on WC | | LOANS | CHARGE | (Rs/kWh) |
| 1 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.1014 | 0.9076 | 1.4073 | 2.3149 | 4.6766 |
| 2 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.1014 | 0.9076 | 1.4073 | 2.3149 | 4.6766 |
| 3 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.1014 | 0.9076 | 1.4073 | 2.3149 | 4.6766 |
| 4 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0583 | 0.8644 | 1.4073 | 2.2718 | 4.6334 |
| 5 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0583 | 0.8644 | 1.4073 | 2.2718 | 4.6334 |
| 6 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0583 | 0.8644 | 1.4073 | 2.2718 | 4.6334 |
| 7 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0583 | 0.8644 | 1.4073 | 2.2718 | 4.6334 |
| 8 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0583 | 0.8644 | 1.4073 | 2.2718 | 4.6334 |
| 9 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0583 | 0.8644 | 1.4073 | 2.2718 | 4.6334 |
| 10 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0583 | 0.8644 | 1.4073 | 2.2718 | 4.6334 |
| 11 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1910 |
| 12 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1910 |
| 13 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1910 |
| 14 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1910 |
| 15 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1910 |
| 16 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1910 |
| 17 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1910 |
| 18 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1910 |
| 19 | 2.2020 | 0.0291 | 0.1306 | 2.3617 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1911 |
| 20 | 2.2020 | 0.0291 | 0.1306 | 2.3617 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1911 |
| 21 | 2.2020 | 0.0291 | 0.1306 | 2.3617 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1911 |
| 22 | 2.2020 | 0.0291 | 0.1306 | 2.3617 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1911 |
| 23 | 2.2020 | 0.0291 | 0.1306 | 2.3617 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1911 |
| 24 | 2.2020 | 0.0291 | 0.1306 | 2.3617 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1911 |
| 25 | 2.2020 | 0.0291 | 0.1306 | 2.3617 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1911 |
| YEAR. | S | , | AVERAG | E TARIF | F | Rs/kWh | T | ī | | | | |
| 1-10 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0712 | 0.8774 | 1.4073 | 2.2847 | 4.6464 |
| 11-25 | 2.2020 | 0.0291 | 0.1306 | 2.3617 | 0.5300 | 0.2583 | 0.0178 | 0.0232 | 0.8294 | 0.0000 | 0.8294 | 3.1910 |
| 1 -25 | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0424 | 0.8486 | 0.5629 | 1.4115 | 3.7732 |
| LEVEL. | | | | | | | | | | | | |
| TARIFF | 2.2019 | 0.0291 | 0.1306 | 2.3616 | 0.5300 | 0.2583 | 0.0178 | 0.0588 | 0.8649 | 0.9527 | 1.8176 | 4.1792 |

PROPOSED REFERENCE TARIFF TABLE (US Cents/KWh) On High Speed Diesel (HSD)

| | | ENERG | Y CHARG | E | | | CA | PACITY | CHARG | E | | |
|--------|---------|--------|-------------|---------|--------|---------|---------|----------|-------------|-----------|----------|-----------|
| | | US Ce | nts per kWh | | | | | USC | Cents per k | Wh | | |
| | | | | TOTAL | I | ESCALAI | BLE CO | MPONEN | T | Non | TOTAL | TOTAL |
| | | | le O&M | ENERGY | ROE | Fixed | | Interest | TOTAL | Escalable | CAPACITY | TARIFF |
| YEARS | FUEL | Local | Foreign | CHARGE | | Local | Foreign | on WC | | LOANS | CHARGE | Cents/kWh |
| 1 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.2321 | 2.0769 | 3.2204 | 5.2973 | 19.2530 |
| 2 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.2321 | 2.0769 | 3.2204 | 5.2973 | 19.2530 |
| 3 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.2321 | 2.0769 | 3.2204 | 5.2973 | 19.2530 |
| 4 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.1334 | 1.9782 | 3.2204 | 5.1986 | 19.1543 |
| 5 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.1334 | 1.9782 | 3.2204 | 5.1986 | 19.1543 |
| 6 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.1334 | 1.9782 | 3.2204 | 5.1986 | 19.1543 |
| 7 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.1334 | 1.9782 | 3.2204 | 5.1986 | 19.1543 |
| 8 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.1334 | 1.9782 | 3.2204 | 5.1986 | 19.1543 |
| 9 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.1334 | 1.9782 | 3.2204 | 5.1986 | 19.1543 |
| 10 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.1334 | 1.9782 | 3.2204 | 5.1986 | 19.1543 |
| 11 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 12 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 13 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 14 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 15 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 16 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 17 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 18 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 19 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 20 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 21 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 22 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 23 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 24 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 25 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| YEARS | | | AVERAG | E TARIF | F US | Cents/k | Wh | | | | | |
| 1-10 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.1630 | 2.0078 | 3.2204 | 5.2282 | 19.1839 |
| 11-25 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0532 | 1.8980 | 0.0000 | 1.8980 | 15.8537 |
| 1 -25 | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.0971 | 1.9419 | 1.2881 | 3.2301 | 17.1858 |
| LEVEL. | | | | | | | | | | | | |
| TARIFF | 13.5164 | 0.0518 | 0.3874 | 13.9557 | 1.2130 | 0.5911 | 0.0407 | 0.1345 | 1.9793 | 2.1800 | 4.1593 | 18.1150 |

PROPOSED REFERENCE TARIFF TABLE (Rs/KWh) On High Speed Diesel (HSD)

| | ENERGY CHARGE | | | | CAPACITY CHARGE | | | | | | | |
|--------|---------------------------|--------|---------|---------------------|-----------------|--------|---------|----------|--------|-----------|----------|----------|
| | Rupees per kWh | | | | Rupees per kWh | | | | | | | |
| | TOTAL | | | ESCALABLE COMPONENT | | | | | Non | TOTAL | TOTAL | |
| | | Variab | le O&M | ENERGY | ROE | Fixed | O&M | Interest | TOTAL | Escalable | CAPACITY | TARIFF |
| YEARS | FUEL | Local | Foreign | CHARGE | | Local | Foreign | on WC | | LOANS | CHARGE | (Rs/kWh) |
| 1 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.1416 | 1.2669 | 1.9644 | 3.2314 | 11.7443 |
| 2 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.1416 | 1.2669 | 1.9644 | 3.2314 | 11.7443 |
| 3 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.1416 | 1.2669 | 1.9644 | 3.2314 | 11.7443 |
| 4 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0814 | 1.2067 | 1.9644 | 3.1711 | 11.6841 |
| 5 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0814 | 1.2067 | 1.9644 | 3.1711 | 11.6841 |
| 6 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0814 | 1.2067 | 1.9644 | 3.1711 | 11.6841 |
| 7 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0814 | 1.2067 | 1.9644 | 3.1711 | 11.6841 |
| 8 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0814 | 1.2067 | 1.9644 | 3.1711 | 11.6841 |
| 9 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0814 | 1.2067 | 1.9644 | 3.1711 | 11.6841 |
| 10 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0814 | 1.2067 | 1.9644 | 3.1711 | 11.6841 |
| 11 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 12 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 13 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 14 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 15 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 16 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 17 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 18 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 19 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 20 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 21 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 22 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 23 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 24 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 25 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| YEARS | ARS AVERAGE TARIFF Rs/kWh | | | | | | | | | | | |
| 1-10 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0994 | 1.2248 | 1.9644 | 3.1892 | 11.7022 |
| 11-25 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0324 | 1.1578 | 0.0000 | 1.1578 | 9.6708 |
| 1 -25 | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0592 | 1.1846 | 0.7858 | 1.9703 | 10.4833 |
| LEVEL. | | | | | | | | | | | | |
| TARIFF | 8.2450 | 0.0316 | 0.2363 | 8.5130 | 0.7399 | 0.3606 | 0.0248 | 0.0821 | 1.2074 | 1.3298 | 2.5372 | 11.0502 |

DEBT REPAYMENT PROFILE (ANNUITY BASED)

| Period | Principal | Principal Repayment | Interest | Balance | Debt Service |
|--------|------------|------------------------|------------|------------|-----------------|
| | Million \$ | Million \$ | Million \$ | Million \$ | Million \$ |
| 1 | 171.730 | 5.503 | 7.642 | 166.227 | 13.145 |
| 2 | 166.227 | 5.748 | 7.397 | 160.479 | 13.145 |
| 3 | 160.479 | 6.003 | 7.141 | 154.476 | 13.145 |
| 4 | 154.476 | 6.271 | 6.874 | 148.205 | 13.145 |
| 5 | 148.205 | 6.550 | 6.595 | 141.655 | 13.145 |
| 6 | 141.655 | 6.841 | 6.304 | 134.814 | 13.145 |
| 7 | 134.814 | 7.146 | 5.999 | 127.669 | 13.145 |
| 8 | 127.669 | 7.464 | 5.681 | 120.205 | 13.145 |
| 9 | 120.205 | 7.796 | 5.349 | 112.410 | 13.145 |
| 10 | 112.410 | 8.143 | 5.002 | 104.267 | 13.145 |
| 11 | 104.267 | 8.505 | 4.640 | 95.762 | 13.145 |
| 12 | 95.762 | 8.883 | 4.261 | 86.879 | 13.145 |
| 13 | 86.879 | 9.279 | 3.866 | 77.600 | 13.145 |
| 14 | 77.600 | 9.692 | 3.453 | 67.909 | 13.145 |
| 15 | 67.909 | 10.123 | 3.022 | 57.786 | 13.145 |
| 16 | 57.786 | 10.573 | 2.571 | 47.212 | 13.145 |
| 17 | 47.212 | 11.044 | 2.101 | 36.169 | 13.145 |
| 18 | 36.169 | 11.535 | 1.610 | 24.633 | 13.145 |
| 19 | 24.633 | 12.049 | 1.096 | 12.585 | 13.145 |
| 20 | 12.585 | 12.585 | 0.560 | 0.000 | 13.145 |