



August 27, 2019


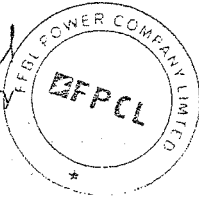
The Registrar,
National Electric Power Regulatory Authority,
OPF Building, G-5/2,
Islamabad.

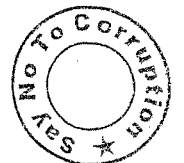
Subject: Request for Replacement of Page Nos. 09, 10 & 11 of Our Application under Rule 4 Sub Rule 7 of NEPRA Tariff (Standards & Procedure) Rules, 1998.

Dear Sir,

- i. Kindly refer to our subject application dated May 24, 2019 through which we have requested for revision in the net capacity from 52 MW to 60 MW.
- ii. Please be kind to accept our request for replacement of page nos. 09, 10 and 11 of above mentioned application.
- iii. Revised pages are attached herewith for your reference.

Yours Faithfully
For FFBL Power Company Limited (FPCL)


Authorized Signatory 



4.4 THE PPA CAPACITY REVISION - A HIGHLY COST EFFECTIVE PROPOSITION

4.4.1 The power produced by FPCL is based on coal and is currently among the cheaper power producer in K-Electric network as compared to furnace oil power production units. Based on above, the purchase of additional power from FPCL is expected to benefit the KE consumers in the following manner:

- a) The cost of such purchase is lower than marginal power produced using furnace oil.
- b) Additional power availability will bridge the power Demand - Supply demand gap and subsequently reduce the load shedding.

4.5 DEVELOPMENT & CONTINUED DEPLOYMENT OF EXCEPTIONAL HUMAN RESOURCES

4.5.1 The Management Team of the petitioner consists of energetic, highly qualified and experienced professionals. They excel in qualities like leadership, collaboration and project management etc. These Professionals are proficient with technical and entrepreneurial skills and are confident, dynamic, creative and ready to take future challenges.

4.5.2 Additionally, the Petitioner's in-house resources include experienced and highly skilled personnel capable of performing the operations and maintenance of the Facility including services in relation to overhauls, major and routine maintenances with minimum input from the original equipment manufacturers. The performance of the Facility (including its efficiency and reliability) are evidence of the Petitioner's management team's excellence and, as a result, implementation of the PPA Capacity Revision will ensure continuation of such un-paralleled efforts.

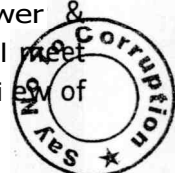
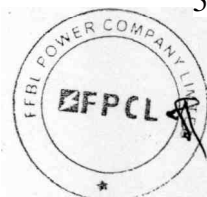
5. SUMMARY OF INCREASED POWER SALE PETITON

5.1 REQUESTED COST & PROPOSED PERFORMANCE

5.1.1 Based on NEPRA approved cost as per Section 2.2.2 above, the petitioner is requesting following cost against increased power export

Description	Unit	NEPRA Allowed	Requested
Gross Power	MW	58	67
Net Power	MW	52	60
EPC Cost	Million US\$	85	98.20
	US\$ Per MW	1.46	1.46
Total Project Cost	Million US\$	101.5	117.25
	US\$ Per MW	1.75	1.75

5.1.2 To implement this proposal, the petitioner will divert additional power & associated auxiliaries from FFBL towards KE network. Therefore, FFBL will meet its requirement of power through its own Power generation system. In view of



the foregoing, the project cost for the additional power export to KE will also require to be charged in-line with existing tariff frame work.

5.1.3 Following are the proposed performance parameters in terms of net power output to be supplied to K-Electric for proposed scheme, auxiliary power consumption and net heat rate for the coal fired boiler plant.

	Parameter	Unit	Value
a.	Auxiliary Consumption	MW	6.89
b.	Net Guaranteed Output Power	MW	60
c.	Net Efficiency of the Power Plant	%	29.24
d.	Plant availability Factor	%	85

5.1.4 As plant auxiliary is designed on 60 Hz system, the auxiliary of 60MW Net export will also be catered for through 60Hz system dedicating the full output of 50Hz turbine for power export to K-Electric.

5.2 CAPITAL STRUCTURE

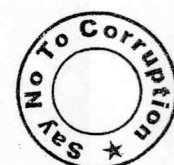
5.2.1 Below table shows the proposed financing structure of the project cost allocation for enhanced power sale K-Electric i.e. 60 MW:

Component	Percentage	Amount (M\$)
Debt	71.80	84.19
Equity	28.20	33.06
Total Financing	100	117.25

The capital structure and related tariff calculations to be determined by NEPRA.

5.3 CAPACITY PURCHASE PRICE COMPONENT

Capacity purchase price for enhanced power sale to KE shall be charged on the same principal as allowed under the tariff by NEPRA vide its Letter # NEPRA/PAR-146/KE(FPCL)-2015/1503-04 dated January 26, 2017. Reference tariff already approved for 52 MWh (net) is requested to be applied for 60 MWh (net).



Reference tariff table is attached below.

FFBL POWER COMPANY LIMITED (FPCL)
TARIFF TABLE- Rs/kWh

Year	Fuel	Ash Disposal	Lime Stone	Variable O&M Foreign	Variable O&M Local	Water Use Charge	Fixed O&M Foreign	Fixed O&M Local	Insurance	WCC	ROE	Prindpal Repayment	Interest Payment	Total	
II	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447	1.0254	2.6868	10.7904	
III	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447	1.1721	25401	10.7904	
IV	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447	1.3399	2.3724	10.7905	
V	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447	1.5316	2.1806	10.7904	
VI	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447	1.7508	1.9615	10.7905	
VII	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447	2.0013	1.7109	10.7904	
VIII	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447	2.2877	1.4246	10.7905	
IX	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447	2.6150	1.0972	10.7904	
X	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447	2.9892	0.7230	10.7904	
XI	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447	3.4169	0.2963	10.7914	
XII	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0732	
XIII	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0732	
XIV	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0732	
XV	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XVI	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XVII	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XVIII	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XIX	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XX	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XXI	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XXII	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XXIII	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XXIV	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XXV	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XXVI	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XXVII	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XXVIII	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XXIX	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
XXX	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	0.2225	0.2514	0.2134	0.2351	1.3447			7.0782	
Keye line	4.2939	0.1753	0.0897	0.0811	0.0121	0.1590	4.8111	0.2225	0.2514	0.2134	0.2351	1.3447	1.183	1.237	4

5.4 ENERGY PURCHASE PRICE:

Energy purchase price for enhanced power sale to KE shall also be charged on the same principal as allowed under the tariff by NEPRA vide its Letter # NEPRA/PAR-146/KE(FPCL)-2015/1503-04 dated January 26, 2017 subject to approval of NEPRA.

6. SPECIFIC REQUEST

6.1 In light of the above following are requested from NEPRA

6.1.1 Acceptance of the Petition

6.1.2 Approval of Tariff (already determined by NEPRA for existing sale of net 52MW) for additional 8MW power export (making total of 60 MW Net)

6.1.3 Grant of provisional approval of the revised Tariff on reference rates as already approved under decision vide letter # NEPRA/PAR-146/KE(FPCL)-2015/1503-04 dated January 26, 2017 until the final approval of the Tariff which will be subject to adjustment due to final approval and True-up adjustment of the cost / Tariff.

6.1.4 Permission to renegotiate PPA with Power purchaser for additional 8 MW (total of MW net)

