

A. INTRODUCTION

- 1.1 The Generating Companies, Indraprastha Power Generation Company Limited (IPGCL) and Pragati Power Company Limited (PPCL) have filed their Petitions for Approval of True-up of FY 2019-20 and determination of Aggregate Revenue Requirement (ARR) & Tariff for FY 2021-22.
- 1.2 This Executive Summary contains the summary of the Petitions filed by IPGCL and PPCL for True up of FY 2019-20 (based on audited accounts), ARR & determination of Tariff for FY 2021-22 (based on projections).
- 1.3 ARR and Tariff for FY 2021-22 shall be based on the provisions of *DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017* and *DERC (Business Plan) Regulations, 2019*, which broadly has the following components:
 - a. Norms of Operation
 - i. Station Heat rate
 - ii. Auxiliary Consumption
 - iii. Plant Availability Factor
 - b. Operation and Maintenance (O&M) expenses
 - c. Return on Capital Employed
 - d. Depreciation
 - e. Income Tax.
- 1.4 The Commission shall true-up the ARR for FY 2019-20 as per the provisions *DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017* and *DERC (Business Plan) Regulations, 2017*, after required prudence check.
- 1.5 The figures of various components in the Executive Summary have been extracted from the Petitions filed by IPGCL and PPCL for ease of understanding of various stakeholders, however, the complete petition is also available on DERC website <http://www.derc.gov.in>

B. TRUE UP OF FY 2019-20 AND ARR & TARIFF FOR FY 2021-22

- 1.6 The Generating Companies IPGCL and PPCL have submitted the operational parameters for the true-up period FY 2019-20, as follows:

Table 1: Generation Plants Performance Parameters for FY 2019-20

Station	Parameter	Particulars	BPR* Value	Petitioner's Submission
GTPS	Availability (%)		85.00	86.46
	SHR (kCal/kWh)	Combined Cycle	2450	2525
		Open Cycle	3125	3485
	Aux. Consumption (%)	Combined Cycle	2.00	3.97
		Open Cycle	0.50	
PPS-I	Availability (%)		85.00	96.95
	SHR (kCal/kWh)	Combined Cycle	2000	1979
		Open Cycle	2900	3083
	Aux. Consumption (%)	Combined Cycle	2.00	2.31
		Open Cycle	0.50	

**DERC (Business Plan) Regulations, 2017*

- 1.7 The Generating Companies IPGCL and PPCL have submitted the following Fixed Cost for the true-up period i.e. FY 2019-20 as follows:

Table 2: Fixed Cost for GTPS and PPS I Station for FY 2019-20

Sr. No.	Particular	Unit	GTPS	PPS I
1.	Return on Capital Employed	Rs. Crores	34.99	62.36
2.	Depreciation	Rs. Crores	10.26	13.86
3.	Operation and Maintenance Expenses	Rs. Crores	102.73	84.22
4.	Fixed Auxiliary Consumption	Rs. Crores	4.36	5.45
5.	Annual Fixed Cost	Rs. Crores	152.34	165.89
6.	Net Generation	(MU)	481.567	1494.031
7.	Fixed Cost/Unit	(Rs./kWh)	3.163	1.11

- 1.8 The Generating Company IPGCL and PPCL have submitted the following operational parameters for FY 2021-22 as follows:

Table 3: Generation Plant Performance Parameters for FY 2021-22

Station	Parameter	Particulars	FY 2021-22
GTPS	Availability (%)		85
	SHR (kCal/kWh)	Combined Cycle	2450
		Open Cycle	3125
	Aux. Consumption (%)		2.75
PPS-I	Availability (%)		85
	SHR (kCal/kWh)	Combined Cycle	2000
		Open Cycle	2900
	Aux. Consumption (%)		2.75

- 1.9 The Generating Companies IPGCL and PPCL have submitted the following Fixed Costs for FY 2021-22 as follows:

Table 4: Fixed Cost for FY 2021-22

Sr. No.	Particular	Unit	GTPS	PPS I
1	Return on Capital Employed	Rs. Crores	20.21	61.80
2	Depreciation	Rs. Crores	12.46	13.76
3	Operation and Maintenance Expenses	Rs. Crores	66.61	150.38
4	Annual Fixed Cost	Rs. Crores	99.28	225.94
5	Minus saving due to reactive Energy Generation	Rs. Crores	17.51	0.00
6	Net Annual Fixed Cost	Rs. Crores	81.77	225.94
7	Net Generation	MU	627.88	2389.608
8	Fixed Cost/Unit	(Rs./kWh)	1.302	0.95