

**BEFORE THE JOINT ELECTRICITY REGULATORY COMMISSION FOR THE STATE OF
GOA & UNION TERRITORIES**

File No. _____

Case No. _____

IN THE MATTER OF

Filing of Petition under Section 61, 62 and 64 of the Electricity Act, 2003 read with all the applicable Regulations, under the JERC (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2021 for Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR & Tariff for FY 2023-24 for the Distribution business of Dadra and Nagar Haveli and Daman and Diu

AND

IN THE MATTER OF

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited (DNHDDPDCL)
1st & 2nd Floor, Vidyut Bhavan,
Next to Secretariat Building, 66 kV Road,
Dadra and Nagar Haveli and Daman and Diu – 396230

.....**PETITIONER**

THE PETITIONER ABOVE NAMED RESPECTFULLY SUBMITS AS UNDER

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited, hereinafter referred to as the "Petitioner" or "DNHDDPDCL", files the petition for Review of ARR of FY 2022-23 and Determination of ARR & Tariff for FY 2023-24 for its Distribution business of Dadra and Nagar Haveli and Daman and Diu.



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List of Abbreviation

Sl. No.	Abbreviation	Expansion
1	ARR	Aggregate Revenue Requirement
2	BHP	Brake Horse Power
3	Capex	Capital Expenditure
4	CERC	Central Electricity Regulatory Commission
5	CSS	Cross Subsidy Surcharge
6	DNHDDPDCL	Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
7	DoE	Diversion of Energy
8	DSM	Demand Side Management
9	EHV	Extra High Voltage
10	FPPCA	Fuel and Power Purchase Cost Adjustment
11	FY	Financial Year
12	GFA	Gross Fixed Asset
13	GST	Goods and Services Tax
14	HT	High Tension
15	HTMD	High Tension Maximum Demand
16	HV	High Voltage
17	JERC	Joint Electricity Regulatory Commission
18	IT	Information Technology
19	kV	Kilo Volt
20	kVA	Kilo Volt Ampere
21	KW	Kilo Watt
22	LT	Low Tension
23	LTP	Low Tension Power
24	MU	Million Units
25	MW	Mega Watt
26	MYT	Multi Year Tariff
27	OA	Open Access
28	O&M	Operation and Maintenance
29	PBT	Profit Before Tax
30	PF	Power Factor
31	PPC	Power Purchase Cost
32	REC	Renewable Energy Certificate
33	RoE	Return on Equity
34	RPO	Renewable Power Purchase Obligation
35	SD	Security Deposit
36	SLC	Service Line Charges

PETITION FOR REVIEW OF FY 2022-23, DETERMINATION OF ARR AND TARIFF FOR FY 2023-24

Sl. No.	Abbreviation	Expansion
37	SLDC	State Load Despatch Center
38	TOU	Time Of Use
39	T&D	Transmission & Distribution
40	UI	Unscheduled Interchange
41	UT	Union Territory of Dadra and Nagar Haveli and Daman and Diu

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Chapter 1: Introduction

Background

- 1.1 The Government of India, under the Atma Nirbhar Bharat Abhiyan, carried out the Bidding Process for the privatization of the power distribution function in the UT of Dadra and Nagar Haveli and Daman and Diu. Torrent Power Limited, a Company incorporated under the Companies Act, 1956 was selected as H1 Bidder in the Bidding Process for the sale of 51% stake in the Power Distribution Company in the UT of Dadra and Nagar Haveli and Daman and Diu and LOI was issued in its favour.
- 1.2 Subsequently, a Special Purpose Vehicle, Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited (hereinafter referred to as "DNHDDPDCL" for sake of brevity), was created to undertake the power distribution functions in the UT of Dadra and Nagar Haveli and Daman and Diu wherein Torrent Power Limited is having 51% stake and remaining 49% stake vests with Hon'ble Administrator of UT.
- 1.3 Further, DNHDDPDCL has started operations as a distribution licensee from 1st April, 2022 as per the Transfer Scheme 2022 notified by Hon'ble Administrator of the UT of Dadra and Nagar Haveli and Daman and Diu. The UT of Dadra and Nagar Haveli and Daman and Diu has also issued Policy Direction wherein the Hon'ble Joint Electricity Regulatory Commission (hereinafter referred to as "Hon'ble Commission") is required to determine tariff for DNHDDPDCL. As per the Policy Direction, till the time Hon'ble Commission issues tariff for DNHDDPDCL, the tariff determined by the Hon'ble Commission will continue.
- 1.4 In this regard, Certain important aspect of Transfer Policy Direction dated 9th March, 2022 are noted hereunder:
 - a) Clause 3 read with Clause 7 of the Transfer Policy directions interalia provide a directive to this Hon'ble Commission as under:

"3. The Government, as part of the reforms process after extensive and careful deliberation, is of the opinion that the following considerations of the selection framework as contained in the Request for Proposal are essential to be duly adopted by the Joint Electricity Regulatory Commission for the State of Goa and Union Territories ("Commission") in order to successfully implement the reform objectives and restructuring objectives."

"7. All the stakeholders, including the Commission and other authorities, shall be



bound by the above policy directions from the date of issuance.”

- b) Transfer Policy Directions mandate filing of ARR for the Distribution Company w.e.f. Effective Date i.e. 1st April, 2022. Relevant definitions are as under:

“ARR” : shall mean the annual revenue requirement, to be filed by the Distribution Company before the Commission, in line with the provision of the Electricity Act and relevant Commission regulation as amended from time to time;

“Distribution Company” : shall mean Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited incorporated by the Government as provided under sub-section 3.1 of Section 3 of the Transfer Scheme.

“Transfer Date” shall mean the date notified by the Government under Section 4 of the Transfer Scheme.

“Transfer Scheme” shall mean the Dadra and Nagar Haveli and Daman and Diu Electricity (Reorganisation and Reforms) Transfer Scheme, 2022.

- c) Till the time, ARR for the Distribution Company is determined, Adhoc Tariff determined shall be chargeable as follows:

“4.1 Term of license for the Distribution Company

(a) The Commission shall accept the Distribution Company as deemed distribution licensee within the meaning of the fifth proviso of Section 14 of the Electricity Act read with Section 131 (2) of the Electricity Act for a period of 25 year from the transfer date.

.....

“4.4 Adhoc Tariff

(a) Adhoc Retail Tariff of Distribution Company. The adhoc retail tariff chargeable by the Distribution Company to its consumers will be as per the applicable Tariff Order issued by the Commission for the distribution business and shall apply till the retail tariff is determined by the Commission.

.....

4.5 Other Considerations

(a) In the larger public interest, the Government has undertaken financial restructuring to provide a viable Opening Balance Sheet to the Distribution



Company. Accordingly, the Distribution Company's ARR shall hereafter be decided based on the restructured Opening Balance Sheet and shall remain unaffected from the impact of any true-up of period prior to the Transfer Date. Any surplus / gap arising due to true-up for the past period shall be passed on to the consumer, by way of adjustment in the ARR for the Electricity Department / DNH PDCL in respect of its residual transmission business, in the manner as may be decided by the Commission.

....

5. These policy directions have been issued in public interest to implement the restructuring of the electricity sector in the Union Territory of Dadra and Nagar Haveli and Daman and Diu and the decision of the Government in this regard is final."

d) As seen above, the Petitioner is bound under Clause 4.5 (a) r/w Clause 5 of the Transfer Policy Directions dated 09.03.2022, to approach this Hon'ble Commission for ARR / tariff determination for the Control Period.

1.5 Accordingly, pursuant to the transfer of the electricity Distribution and Retail Supply in Dadra and Nagar Haveli and Daman and Diu in the Union Territory undertaken by Central Government under Sections 131, 133, 134 and 109 & 108 of Electricity Act, 2003 (EA, 2003), DNHDDPDCL has filed the Petitions No. 89 of 2022 and 90 of 2022, for Business Plan and determination of ARR for MYT Control Period (FY 2022-23 to FY 2024-25) and Determination of tariff for FY 2023-24 for the Union Territory of Dadra and Nagar Haveli and Daman and Diu respectively.

1.6 The admission hearing of Case No. 89 of 2022 and 90 of 2022 was held on 12th January, 2023. Subsequently, the Petitioner has filed detailed written submissions dated 23rd January, 2023. On 27th February, 2023, the Hon'ble Commission has issued a common order wherein the Hon'ble Commission has decided as under:

- a) The Distribution business for Diu Daman and Dadara Nagar Haveli has been transferred to the Petitioner as per legal process w.e.f. 1st April, 2022.
- b) Tariff determined by the Hon'ble Commission for FY 2022-23 will be treated as adhoc retail Tariff and shall apply till the retail Tariff for Distribution Company is determined.
- c) Clause 4.4 (a) of the Transfer Policy Direction dated 9th March, 2022 issued by the



Government of India has to be seen in light of Regulation 12.2 of the JERC (MYT) Regulations, 2021 whereby the requirement of MYT Petition is not provided for.

- d) Single review for FY 2022-23 incorporating revised figures for distribution business of DNHDD PDCL will suffice the requirement.
- e) ARR along with Tariff determination for the FY 2023-24 should be filed with revised figures.

The Petitioner craves leave of this Hon'ble Commission to refer to and rely upon the Common Order dated 27th February, 2023 passed by this Hon'ble Commission when produced.

- 1.7 Accordingly, in compliance with the directions issued by the Hon'ble Commission, the Petitioner is filing the present petition under the JERC MYT Regulation, 2021 read with Transfer Scheme and Policy Direction for approval of Review of FY 2022-23, ARR of FY 2023-24, and Tariff determination of FY 2023-24 for DNHDD PDCL.
- 1.8 Accordingly, DNHDDPDCL has prepared the present Petition pursuant to the Common Order dated 27th February, 2023 and is filing the Tariff Petitions for FY 2022-23 and FY 2023-24. Further, DNHDD PDCL has taken into account the existing internal as well as external factors affecting the sales, power purchase, capital investment, operational expenses etc.

Petition Structure

- 1.9 The Petitioner files the petition for approval of Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR & tariff for FY 2023-24 for the Union Territory of Dadra and Nagar Haveli and Daman and Diu.
- 1.10 The petition includes the following Chapters. A brief outline of the content of each chapter is provided below:
 - a) Chapter 1 contains the introductory information to the petition and background of the petition filing.
 - b) Chapter 2 contains the Review of FY 2022-23.
 - c) Chapter 3 contains the ARR for FY 2023-24.
 - d) Chapter 4 contains the segregation of ARR in wheeling & retail supply



business.

- e) Chapter 5 contains the Tariff proposal for FY 2023-24.
- f) Chapter 6 contains the compliance to the directives issued by the Hon'ble Commission in the past orders.
- g) Chapter 7 contains the prayers to the Hon'ble Commission.

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Chapter 2: Review of FY 2022-23

Background

- 2.1 The Petitioner is filing the review of ARR of FY 2022-23 as directed by Hon'ble Commission vide its order dated 27th February, 2023 in DNHDDPDCL's Tariff Petition No. 89 of 2022 for its license area by computing each of the components as per the Regulations and principles enunciated by the Hon'ble Commission in the MYT Regulations.
- 2.2 This section contains the review of each of the component of ARR, such as, power purchase cost, O&M cost, Interest cost, RoE etc. The explanations for each of the components have been furnished in the subsequent sections for the kind consideration and approval of the Hon'ble Commission.

Energy Sales to the Consumers

- 2.3 The Hon'ble Commission vide its Orders dated 31st March, 2022 has approved the forecast for sales in the UT of Dadra and Nagar Haveli and Daman and Diu. The Hon'ble Commission has projected the growth rates by factoring in the historical CAGRs and applied the same on the base year of FY 2021-22 to make the projections.
- 2.4 Considering the factors taken into account for approval of the projections by the Hon'ble Commission, DNHDDPDCL has considered the earlier approved forecast of load, consumer numbers, and sales for FY 2022-23 as revised estimates. The details of category wise sales, as approved by Hon'ble Commission, are summarized as under.

Table 1: Category Wise Energy Sales (in MUs)

Category	FY 2022-23
Domestic	334.99
LIG/Kutirjyoti	8.11
Commercial	86.19
Agriculture	7.95
LT Industry	459.39
HT/EHT	8,567.86
Public Lighting	7.73
Public Water Work	7.91
Temporary Supply	7.40

Category	FY 2022-23
Total	9,487.55

Distribution Loss

- 2.5 The distribution loss trajectory has been specified for the Union Territory for the control period in the Policy Direction read with Transfer Scheme.
- 2.6 Considering approved sales and target stipulated in the Transfer Policy Directions, the Petitioner has considered the distribution losses as shown in the table below.

Table 2: Distribution Loss

Particulars	FY 2022-23
Distribution Loss	3.35%

Energy Requirement

- 2.7 Based on the energy sales forecast and target prescribed for distribution loss for the network handed over to DNHDD PDCL alongwith estimated intra-state transmission loss, the total energy requirement for the FY 2022-23 is estimated. The total energy requirement thus arrived is shown in the table below for the approval of the Hon'ble Commission.

Table 3: Energy Balance

(All figures in MU except mentioned otherwise)

Particulars		FY 2022-23
Retail Sales	a	9,487.55
Open Access Sales	b	-
Total Sales	c = a+b	9,487.55
Distribution Loss (MU)	d = f-c	329.33
Distribution Loss (%)	e	3.35%
Energy Required at DNHDDPDCL Periphery	f = c/(1-e)	9,816.88
Estimated Intra-State Transmission Loss (MU)	g	124.26
Sale to common pool consumer/UI Sale	h	-
Solar generation within State	i	21.91

Particulars		FY 2022-23
Total energy requirement at STU periphery	$j = f+g+h-i$	9,919.23

Energy Availability

- 2.8 The energy sourcing is planned to be done from two types of sources, i.e., (a) Long Term Sources and (b) Short Term Sources. The long-term sources include allocations in various Central Sector Generating Stations, and Renewable Energy sources. The short-term sources include bilateral sources/power exchange. Accordingly, DNHDD PDCL has considered sourcing of balancing quantum from these sources.
- 2.9 The Hon'ble Commission has specified the Renewable Purchase Obligation (RPO) vide its JERC (Procurement of Renewable Energy) (Fourth Amendment) Regulations, 2022. As per the available records, there is pendency of RPO as on 31st March, 2022 of around 2600 MUs (corresponding to ~27% of yearly demand – 1245 MUs Solar & 1341 MUs – non-solar) which is in addition to the current year RPO of ~1740 MUs (@18.35% RPO). Considering the existing tie-up and shortfall, DNHDDPDCL has been exploring procurement of renewable power from G-TAM/G-DAM markets. Further, considering the RPO shortfall and also to optimize power purchase cost, DNHDDPDCL is in the process of initiating bidding for RE RTC to meet the RPO shortfall expeditiously. The Petitioner has considered Interstate Transmission loss as approved by the Hon'ble Commission earlier for all the UTs.
- 2.10 Based on the above, the Petitioner submits to the Hon'ble Commission to approve the power purchase quantum as proposed.

Table 4: Energy Availability (Net)

Particulars		FY 2022-23
Energy available from Long Term sources	i	9,557.75
Interstate loss (%)	ii	3.66%
Interstate loss (MU)	iii = i*ii	349.81
Energy available from Long Term sources at STU periphery	iv = i-iii	9,207.94
Total energy requirement at STU periphery	v	9,919.23
Short Term Purchase required at STU Periphery	vi = v-iv	711.29

Power Purchase

2.11 Based on the energy quantum estimated in the table above and the approved power purchase cost for the sources and Intra-state Transmission charges as per (i) transmission charges as per the BPTAs executed with ED-DD and DNH PDCL under the Transfer Scheme subject to adjustment as per the approval of the Hon'ble Commission; and (ii) Transmission Charges approved by Hon'ble JERC for Intra-State Transmission System, the total power purchase cost for FY 2022-23 has been worked out as shown in the table below.

Table 5: Power Purchase Cost

	FY 2022-23	
	Quantum	Cost
	(MUs)	(Rs. Crore)
NTPC Stations	7,869.47	2,974.06
NSPCL-Bhilai	1,179.00	510.56
NPCIL	492.18	151.36
RGPPL	17.10	23.69
IEX/Bilateral	711.29	284.52
RE		
Solar with State	21.91	13.77
REC (Non-solar+ Solar)	-	133.37
Total Power Purchase	10,290.95	4,091.33
Transmission Charges		
PGCIL & WRLDC Charges		619.28
MSTCL Charges		1.75
Intra-state Transmission Charges		172.40
Total Transmission Charges		793.43
Total	10,290.95	4,884.76

2.12 Based on above, the Petitioner requests the Hon'ble Commission to approve the estimated power purchase cost.

Fixed Cost

Operation & Maintenance (O&M) expenses

2.13 The O&M expenses consists of Employee expenses, Administration & General

expenses and Repair & Maintenance expenses. The main drivers of these expenses are business growth, inflation, standards of performance, condition of existing assets necessitating higher maintenance, exposure of the assets to general public & safety norms.

- 2.14 The Petitioner has taken over the operations of the UT of Dadra and Nagar Haveli and Daman and Diu with effect from 1st April, 2022. It is observed that the network needs regular preventive maintenance in addition to predictive & breakdown maintenance. Accordingly, the Petitioner has taken up various activities for improvement of performance. As part of the transfer process, employees have been transferred from erstwhile entities. However, considering the level of activities required to achieve the sustainable reliability targets, DNHDD PDCL has deployed necessary skilled manpower.
- 2.15 Further, considering the requirement of meeting stringent performance standards and ensuring high reliability of supply, DNHDD PDCL is incurring necessary expenditure for repairs and maintenance also. Further, O&M being the responsibility of the Distribution Licensee, the Petitioner has also aligned outage management and ensured that complete activity of fault management is done by the Licensee. In order to track and manage planned / unplanned outages effectively, the Petitioner is also in process of revamping the outage management system and IT support system including revamping of material management system. The Petitioner always keeps safety as a prime objective and accordingly, the Petitioner has been making necessary improvement in the system to ensure safety of the working staff as well.
- 2.16 Further, as per the Transfer Scheme, all the administrative offices owned by erstwhile Discoms have been kept with them. Accordingly, the Petitioner has to arrange for rented premises at multiple locations within the license area in order to comply with the operational norms. Similarly, Administrative and General expenses are required to be incurred in terms of need based deployment of contractual workforce.
- 2.17 It may be noted that Regulation 52 of the MYT Regulation provides that O&M expenses for Distribution Licensee which has been in operation for less than three (3) Years shall be determined on case-to-case basis. Since, DNHDD PDCL is a new licensee, it is proposed to consider its expenditure on actual basis. Once the O&M activities are established, necessary data will be available for the Hon'ble



Commission to consider base O&M Expense for subsequent period.

- 2.18 In the above background, the O&M expenses estimated for FY 2022-23 is shown in the table below.

Table 6: O&M Expenses

All Figures in Rs. Crore	FY 2022-23
O&M Expenses	94.79

- 2.19 It may kindly be noted that the above O&M expenses does not take into account expenses such as the wage revision, change in law, change in levies/ duties/ taxes and charges, or any other unanticipated / one-time expenses.

Capital Expenditure

- 2.20 The UT of Dadra and Nagar Haveli and Daman and Diu have been privatized to achieve the twin objective of improvement in quality and reliability of supply and to cater the increasing demand of UT. Further, the UT being a hub for industrial, commercial and service sectors, there is an urgent need to improve the customer services and related infrastructure. The existing load density of the license area is about 2 MW/ sq.km which is likely to increase in the coming years and there is also potential for horizontal and vertical development. New initiatives in infrastructure projects will necessitate creation of state-of-the-art electrical network with ability of handling large quantum of power at the highest levels of reliability.
- 2.21 It is observed that the existing network is able to cater bare minimum requirement with need-based capital investments and there is an urgent need for investment in upgradation and modernisation of the existing distribution network to cater not only the future load growth but also ensuring reliability & quality of power. Another important aspect is to ensure ready-to-serve network at various voltage levels, not only to serve the consumers but create necessary redundancies to enhance reliability and to meet standards of performances. Further, investment is also required to bring further efficiency in distribution losses over the period of time. Impetus is also required to ensure necessary infrastructure to bring power from RE Capacities essential for fulfilment of RPO.
- 2.22 Accordingly, the capital expenditure for the license area consists of expenditure to create capacity and reliability in distribution network to provide un-interrupted

supply, interconnection points, additional substations to cater to the load growth, customer connect centre, power supply centre, reduce losses and other miscellaneous items such as automation, IT etc. Taking into consideration the above, the details of planned estimate of capital expenditure for FY 2022-23 are shown in the table below for the approval of the Hon'ble Commission.

Table 7: Capital Expenditure

All Figures in Rs. Crore	FY 2022-23
HT Network	65.46
LT Network	25.13
Meter Management	11.24
Supporting Infrastructure	3.32
Power Supply Centre and Call Centre	3.00
IT	3.52
Miscellaneous	2.50
Total	114.17

2.23 The capital expenditure for FY 2022-23 tabulated above is described in the following sections:

a) HT Network

Under this head, it is proposed to incur the capital expenditure towards following:

- **Normal Load Growth** – In order to cater the existing and future load growth at 11kV level, it is proposed to install underground HT network, Ring Main Unit, Bulk Metering Cubicles, etc. Further, to relieve overloaded Distribution Transformers, it is proposed to upgrade the existing Distribution Transformer and/or establish additional Distribution Transformers considering the load in surrounding areas and based on LT network loading and network length.

Additionally, it is proposed to incur capital expenditure towards electrification of HT customers. Further, capex is also proposed towards replacement of outdoor type Current Transformer/Potential Transformer (CT/PT) units of 11 KV HT consumers, which are majorly very old, obsolete, and prone to major breakdown with state-of-the-art Bulk Metering Cubicles

having accuracy class of 0.2S. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2022-23
Normal Load Growth	
New DT/ Augmentation	11.05
11KV UG New feeder cost	2.16
11KV New HT Customers	1.39
11 KV HT customer existing CT/PT unit replacement	0.43
Scheme for relieving Overload DT	2.04
Total	17.07

- Reliability, Renovation, Loss Reduction** – Due to overhead line, higher number of 11kV feeder interruptions are observed, which leads to higher SAIFI and SAIDI. To overcome the same, it is proposed to carry out undergrounding of existing overhead HT network in a phased manner. Due to Overhead to Underground conversion, the number of tripping shall reduce, and distribution losses will also be optimized with laying of new network and optimal loading of network. This new underground network will also be utilized for mitigation of future load growth.

Additionally, capex is also proposed towards Distribution Transformer Metering & Automatic Meter Reading system, installation of Automatic Power Factor Control panels, interconnection of substations, Fuse Section Pillar replacement, Faulty Transformer replacement, and installation of Ring Main Unit.

Further, due to Infrastructure development such as bridges/ drainage line/ water pipeline by local authority & Government agencies, existing HT network are required to be modified/upgraded. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2022-23
Reliability, Renovation, Loss Reduction	
11KV OH to UG Conversion	9.08
11KV OH line Augmentation	2.01
DT Metering & AMR System	0.25
Faulty DT replacement	9.95
Interconnection of feeders for Load balancing, etc.	4.77

All Figures in Rs. Crore	FY 2022-23
Installation of RMU on Pad Mounted DT	0.75
FSP replacement	1.79
Installation of APFC on DT	0.20
HT Network Shifting for Infrastructure works	8.00
Total	36.80

- **Technological Upgradation** – Under the head of Technological Upgradation it is proposed to incur capex towards Distribution Automation System. As per preliminary survey, partial distribution automation system was observed only in Silvassa town.

With the help of Distribution Automation System, nos. of affected consumers and time of interruption to affected consumers will reduce which in turn will improve reliability of the distribution network. Distribution Automation System will allow remote sectionalisation and load transfer would be possible from one feeder to another feeder as compared to manual operation at site.

It is also proposed to implement Geographical Information System from consumer to 11 kV feeder level including consumer indexing and network hierarchy. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2022-23
Technological Upgradation	
Distribution Automation System	2.91
GIS	0.30
Total	3.22

- **Safety** - Based on Condition Based Monitoring survey of existing overhead line/structure and for enhancement of safety and reliability, it is proposed to replace 11kV poles and DT structure, provide guard wire in existing overhead lines, carry out fencing of Distribution Transformers/substations, and ensure adequate earthing of all 11kV structures. It is also proposed to procure various safety tools & personal protective equipments. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2022-23
Safety	
11KV Pole Replacement	0.51
Guarding & Earthing of Pole & 11 KV line	3.76
DT Earthing	1.20
DT/Structure Refurbishment	0.65
Civil work/fencing for Dist. SS	1.35
Safety Tools/PPEs	0.90
Total	8.37

The summary of total expenditure planned for the above described items is provided in the table below.

Table 8: Capital Expenditure for HT Network

All Figures in Rs. Crore	FY 2022-23
HT Network	
Normal Load Growth	17.07
Reliability, Renovation, Loss Reduction	36.80
Technological Upgradation	3.22
Safety	8.37
Total	65.46

b) LT Network

Under this head, it is proposed to incur the capital expenditure towards following:

- **Normal Load Growth** – The existing LT network is not sufficient to meet with the increasing demand of existing consumers and release connections to new LT consumers. Accordingly, it is proposed to create new LT network which will be ready-to-serve the new consumers and cater the increasing demand of the existing consumers. Further, to release new connections to LT consumers laying of LT services cables, installation of meter box and Mini Section Pillars are also required. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2022-23
Normal Load Growth	
LT New Customers	1.68
LT Network	1.93
Total	3.61

- **Reliability, Renovation, Loss Reduction** – During survey, it was observed that most of LT network is overhead network with bare conductors which are prone to major network failures, can hamper safety and are vulnerable to direct theft. To overcome these drawbacks of overhead network conversion of existing overhead network to safe, reliable and less theft prone underground network is planned. Also, LT underground network will improve system reliability, safety and help in loss minimization.

Further, during survey it was also observed that consumer installations require revamping for enhancement of protection system and safety and accordingly revamping activity is proposed. Also, interlinking of Distribution Transformers on LT side has been proposed with new distributors.

Additionally, due to Infrastructure development such as bridges/ drainage line/ water pipeline by local authority & Government agencies, existing LT network are required to be modified/upgraded. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2022-23
Reliability, Renovation, Loss Reduction	
LT OH to UG Conversion	5.05
LT Bare Conductor to OH Cable	3.77
LT Customer Meter Box Revamping	2.07
LT Relieving of Overload Distributor/Interlinking	3.48
LT Network Shifting for Infrastructure works	4.00
Total	18.38

- **Safety** – Based on Condition Based Monitoring survey of existing overhead line/structure and for enhancement of safety and reliability, it is proposed to replace LT poles, provide guard wire in existing overhead lines, and ensure adequate earthing of all LT structures. Further, corroded and unsafe Mini Section Pillars will also be replaced, which will help improve system reliability

and safety to the public. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2022-23
Safety	
LT Pole Replacement	0.48
Guarding & Earthing of Pole & LT Line	2.23
MSP Replacement	0.43
Total	3.14

The summary of total expenditure planned for the above described items is provided in the table below

Table 9: Capital Expenditure for LT Network

All Figures in Rs. Crore	FY 2022-23
LT Network	
Normal Load Growth	3.61
Reliability, Renovation, Loss Reduction	18.38
Safety	3.14
Total	25.13

c) Meter Management

Under this head, it is proposed to incur the capital expenditure towards following:

- **Normal Load Growth:** For releasing new connections energy meters are required to be installed for metering and billing of each consumer. As per the MoP notification all new energy meters are required to be Smart meters. Accordingly, capex has been proposed.
- **Smart Metering with Infrastructure:** Smart meters are to be provided at all installations as per MoP Notification. Accordingly, 100% meters are to be replaced in Union Territory in phased manner. Further, provision of capex for establishment of Automatic Meter Reading/ Automatic Metering Infrastructure for implementation of smart metering project at consumer end is made. Cost pertains to smart meters, service apparatus, relevant hardware, software, communication equipment and integration with IT system.

The summary of expenditure planned for the above described items is provided in the table below.

Table 10: Capital Expenditure for Meter Management

All Figures in Rs. Crore	FY 2022-23
Meter Management	
Normal Load Growth	2.82
Smart Metering and Infrastructure	8.42
Total	11.24

d) Supporting Infrastructure

Under this head, it is proposed to incur the capital expenditure towards following:

- **Testing Equipments:** Testing, monitoring and measuring equipment are required to monitor and measure network parameters. Capex is proposed for procurement of required tools tackles and testing & measuring equipment to carry out routine, capital and maintenance activity for HT & LT network.
- **Meter Testing Laboratory:** Provision for establishment of state-of-the-art meter testing laboratory to carry out testing of LT-HT energy meters and CT/PT units which inter-alia includes automated meter testing bench, reference standard meter, meter sealing mechanism, etc.

Accordingly, the total capital expenditure proposed towards Supporting Infrastructure is as under:

Table 11: Capital Expenditure for Supporting Infrastructure

All Figures in Rs. Crore	FY 2022-23
Testing Equipments	2.60
Meter Testing Laboratory	0.72
Total	3.32

e) Power Supply Centre and Call Centre

- The Power Supply Centres (PSC) have been proposed at strategic locations across the UT to improve efficiency in operation and to improve services i.e. attending complaints, releasing connections, and attending to



consumer's request. During the current period, PSC are proposed at Silvassa, Nani Daman, Moti Daman, Diu, Khanvel, Rakholi, and Masat. These PSCs shall also have associated stores/mini-stores to ensure availability of equipment and material at load centres. This will help in providing better services to the consumers.

- Capex is also proposed towards establishment of centralized call centre and customer care centre for registration of applications, bill payment collection, alongwith registration of no power complaints, meter and billing related complaints, and for other consumer interactions.

Accordingly, the total capital expenditure proposed towards Power Supply Centre and Call Centre is as under:

Table 12: Capital Expenditure for PSC and Call Centre

All Figures in Rs. Crore	FY 2022-23
PSC	2.50
Call Centre	0.50
Total	3.00

f) IT & Related Expenditure

For efficient system working and system data monitoring, capex has been proposed towards procurement of new Laptop, Desktop, establishment of LAN connectivity, Network switches, routers, firewall, servers and other associated equipment / infrastructure. Further, capex is also proposed towards implementing Enterprise Resource Planning system like SAP to provide the integrated platform for effective outage management, material management, metering and billing, finance and accounts.

Accordingly, the total capital expenditure proposed towards IT & related expenditure is as under:

Table 13: Capital Expenditure for IT

All Figures in Rs. Crore	FY 2022-23
IT & Related Expenditure	3.52

g) Miscellaneous

Capex is proposed towards basic infrastructure of office premises like furniture, fixtures, and other facilities along with vehicles for attending faults and transporting material and manpower on site.

Accordingly, the total capital expenditure proposed towards Miscellaneous is as under:

Table 14: Capital Expenditure for Miscellaneous

All Figures in Rs. Crore	FY 2022-23
Miscellaneous	2.50

Interest Expenses

2.24 The capital expenditure will be funded through a normative debt equity ratio of 70:30 as per the MYT Regulation. The debt component is estimated in the table below:

Table 15: Capitalisation

All Figures in Rs. Crore		FY 2022-23
Opening GFA	a	509.18
Addition to GFA	b	100.96
Deletion from GFA	c	-
Closing GFA	d=a+b-c	610.14
Capitalisation of Debt	e=b-c	100.96
Capitalisation of Equity	f=b-c	100.96
Normative Debt @ 70%	g=e*70%	70.67
Normative Equity @30%	h=f*30%	30.29

2.25 The Petitioner submits that the MYT Regulation provides for the calculation of interest expenses on normative basis considering the amount of depreciation of assets as the amount of repayment. The Petitioner has considered the interest expenses as per the MYT Regulation on normative loans.

2.26 The Petitioner has calculated the interest expenses by applying the estimated opening Weighted Average Rate of interest of the loan portfolio of the Petitioner at the beginning of the year on the estimated opening normative loan for FY 2022-23

arrived at based on provisional details shared by DNHPDCL and EDDD of the UT; while repayment has been considered equal to the depreciation of the assets for the year. Opening GFA as per the details made available by the UT subject to adjustment upon issuance of Opening Balance sheet under the Transfer Scheme.

- 2.27 The interest expense thus proposed are shown in the table below for approval of the Hon'ble Commission.

Table 16: Interest Expenses

All Figures in Rs. Crore	RE
Opening Balance of Loans	151.07
Loan addition during the year	70.67
Repayments during the year	17.64
Closing balance of Loans	204.10
Weighted Average Rate of Interest (in %)	7.65%
Interest Expense	13.59

Interest on Security Deposit

- 2.28 The MYT Regulation provides that interest on security deposit shall be computed at Bank Rate as on 1st April of the Financial Year in which the Petition is filed.
- 2.29 In the present petition the Petitioner has estimated the interest on security deposit for each year considering the interest rate of 4.25% on the average of opening balances and closing balance of security deposit for the license area.
- 2.30 The estimated interest on security deposit is as under

Table 17: Interest on Security Deposit

All Figures in Rs. Crore	FY 2022-23
Interest Rate (in %)	4.25%
Interest on Security Deposit	7.83

- 2.31 The Petitioner requests the Hon'ble Commission for the approval of the estimated interest on security deposit.

Interest on Working Capital

- 2.32 The interest on working capital is computed as per the MYT Regulation. The interest

rate, being the SBBR (State Bank Base Rate) rate on 1st April of the Financial Year in which petition is filed plus 200 basis points, of 9.00% is to be applied on the working capital requirement arrived at in accordance with the Regulations.

- 2.33 The estimate of interest on working capital is shown in the table below for the approval of the Hon'ble Commission.

Table 18: Interest on Working Capital

All Figures in Rs. Crore	FY 2022-23
O&M Expenses for 1month	7.90
40% of R&M expenses for one month	1.09
Receivables for 2 months	842.60
Less: Power Purchase Cost	407.06
Less: Security Deposit	184.22
Normative Working Capital	260.30
Interest Rate (in %)	9.00%
Interest on Working Capital	23.43

Depreciation

- 2.34 The depreciation rates as per the MYT Regulation is applied on the opening GFA. The total depreciation arrived at after the computation described above is shown in the table below.

- 2.35 The Petitioner submits to the Hon'ble Commission to approve the depreciation as proposed.

Table 19: Depreciation

All Figures in Rs. Crore	FY 2022-23
Depreciation	17.64

Return on Equity

- 2.36 The return on equity for wheeling and retail business has been computed based on the opening & closing balance of the equity arrived at considering the estimated capitalisation for FY 2022-23

2.37 The return on equity is computed as per the provisions of the MYT Regulation, on the average of the opening & closing balance of equity for FY 2022-23. The return on equity estimated by the Petitioner is shown in the table below for the approval of the Hon'ble Commission.

Table 20: Return on Equity

All Figures in Rs. Crore	FY 2022-23
Opening Equity	152.75
Equity addition during the year	30.29
Equity at the end of the year	183.04
ROE on the average balance	26.11

Income Tax

2.38 As per the MYT Regulation, income tax shall be computed based on the actual income tax paid, including cess and surcharge on the same, if any, as per latest audited accounts available for the Distribution Licensee, subject to prudence check.

2.39 Since DNHDDPDCL has taken over the operations w.e.f 1st April, 2022, the income tax has been considered as nil. The same shall be considered on actual basis at the time of True-up.

Table 21: Income Tax

All Figures in Rs. Crore	FY 2022-23
Income Tax	-

2.40 The Petitioner requests the Hon'ble Commission to approve the income tax as per above.

Bad Debts written off

2.41 The MYT Regulation provides that the Hon'ble Commission may allow bad debts written off as a pass through in the ARR based on the trend of amount written off of bad debts in previous years.

2.42 Since DNHDDPDCL has taken over the operations w.e.f 1st April, 2022, the bad debts written off has been considered as nil.

Table 22: Bad Debts written off

All Figures in Rs. Crore	FY 2022-23
Bad Debts	-

2.43 The Petitioner requests the Hon'ble Commission to approve the bad debts as per above. The actual bad debts written off will be considered at the time of truing up.

Non-Tariff Income

2.44 The non-tariff income is estimated in the table below which consists of income from rent of land/ building/ meter/ service line, sale of scrap, service charges, consumer charges, etc.

2.45 The Petitioner has forecasted the non-tariff income on the basis of current trends as under.

Table 23: Non-Tariff Income

All Figures in Rs. Crore	FY 2022-23
Non-Tariff Income	3.67

2.46 The Petitioner requests the Hon'ble Commission to approve the Non-Tariff Income as estimated above.

Aggregate Revenue Requirement

2.47 The Aggregate Revenue Requirement for FY 2022-23 is shown in the table below.

Table 24: ARR

All Figures in Rs. Crore	FY 2022-23
Power Purchase	4,884.76
O&M expenses	94.79
Interest on loans	13.59
Interest on working capital	23.43
Depreciation	17.64
Interest on SD	7.83
Bad debts	-
RoE	26.11
Income Tax	-
Less: Non-tariff income	3.67
ARR	5,064.47

Revenue from Sale of Power

2.48 The revenue from sale of power for FY 2022-23 has been computed considering the sales and existing tariff rates for different category of consumers as an adhoc tariff.

2.49 The revenue from sale of power as above is outlined in the table below for the approval of the Hon'ble Commission.

Table 25: Revenue from Sale of Power

All Figures in Rs. Crore	RE
Revenue from Sale of Power	5,055.58

Revenue Gap/ (Surplus)

2.50 The revised ARR for FY 2022-23 based on revised estimates as detailed hereinabove is as under. At present, no revenue is considered from open access. Accordingly, the gap/(surplus) is estimated for FY 2022-23 as below:

Table 26: Gap/ (Surplus) for FY 2022-23

All figures in Rs. Crore	RE
ARR	5,064.47
Less:	
Revenue from sale of power	5,055.58
Revenue from Open Access Charges	-
(Gap)/ Surplus	(8.89)



Chapter 3: Determination of ARR for FY 2023-24

Background

- 3.1 . The Petitioner is submitting its ARR for FY 2023-24 for its license area by computing each of the components as per the Regulations and principles enunciated by the Hon'ble Commission in the MYT Regulation.
- 3.2 This section contains the projections of each of the component of ARR, such as, power purchase cost, O&M cost, Interest cost, RoE etc. The ARRs for wheeling & retail business are determined by allocation of each component of the cost, as per the allocation matrix. The ARR and the consequent revenue gap are thus estimated to formulate the tariff proposal. The explanations for each of the elements have been furnished in the subsequent sections for the kind consideration of the Hon'ble Commission.

Energy Sales to the Consumers

- 3.3 The Hon'ble Commission vide its orders dated 31st March, 2022 has approved the forecast for sales in the UT of Dadra and Nagar Haveli and Daman and Diu. The Hon'ble Commission has projected the growth rates by factoring in the historical CAGRs and applied the same on the base year of FY 2021-22 to make the projections.
- 3.4 Considering the factors taken into account for approval of the projections by the Hon'ble Commission, DNHDDPDCL has considered the earlier approved forecast of load, consumer numbers and sales for FY 2023-24. The details of category-wise sales, as approved by Hon'ble Commission, are summarized as under.

Table 27: Category Wise Energy Sales (in MUs)

Category	FY 2023-24
Domestic	373.07
LIG/Kutirjyoti	8.97
Commercial	90.67
Agriculture	8.49
LT Industry	479.77
HT/EHT	8,913.00
Public Lighting	7.96
Public Water Work	8.21
Temporary Supply	7.74

Category	FY 2023-24
Total	9,897.87

Distribution Loss

- 3.5 The distribution loss trajectory has been specified for the Union Territory for the control period in the Policy Direction read with Transfer Scheme.
- 3.6 Considering approved sales and target stipulated in the Policy Direction, the Petitioner has considered the distribution losses as shown in the table below.

Table 28: Distribution Loss

Particulars	FY 2023-24
Distribution Loss	3.16%

Energy Requirement

- 3.7 Based on the energy sales forecast and targets prescribed for distribution loss for the network handed over to DNHDDPDCL alongwith estimated intrastate transmission loss, the total energy requirement for FY 2023-24 is estimated. The total energy requirement thus arrived is shown in the table below for the approval of the Hon'ble Commission.

Table 29: Energy Balance

(All figures in MU except mentioned otherwise)

Particulars		FY 2023-24
Retail Sales	a	9,897.87
Open Access Sales	b	-
Total Sales	c = a+b	9,897.87
Distribution Loss (MU)	d = f-c	322.57
Distribution Loss (%)	e	3.16%
Energy Required at DNHDDPDCL Periphery	f = c/(1-e)	10,220.44
Estimated Intra-State Transmission Loss (MU)	g	129.37
Sale to common pool consumer/UI Sale	h	-
Solar generation within State	i	21.91

Particulars		FY 2023-24
Total energy requirement at STU periphery	$j = f+g+h-i$	10,327.90

Energy Availability

- 3.8 As also mentioned in the earlier chapter the energy sourcing is planned to be done from two types of sources, i.e., (a) Long Term Sources and (b) Short Term Sources. The long-term sources include allocations in various Central Sector Generating Stations, and Renewable Energy sources. The short-term sources include bilateral sources/power exchange. Accordingly, DNHDDPDCL has considered sourcing of balancing quantum from these sources.
- 3.9 The Hon’ble Commission has specified the Renewable Purchase Obligation (RPO) vide its JERC (Procurement of Renewable Energy) (Fourth Amendment) Regulations, 2022. As per the available records, there is pendency of RPO as on 31st March, 2022 of around 2600 MUs (corresponding to ~27% of yearly demand – 1245 MUs Solar & 1341 MUs – non-solar) which is in addition to the RPO for FY 22-23 and FY 23-24. Considering the existing tie-up and shortfall, DNHDDPDCL has been exploring procurement of renewable power from G-TAM/G-DAM markets. Further, considering the RPO shortfall and also to optimize power purchase cost, DNHDDPDCL is in the process of initiating bidding for RE RTC to meet the RPO shortfall expeditiously. The Petitioner for FY 2023-24 has also considered Interstate Transmission loss as approved by the Hon’ble Commission earlier for all the UTs.
- 3.10 Based on the above, the Petitioner submits to the Hon’ble Commission to approve the power purchase quantum as proposed.

Table 30: Energy Availability (Net)

Particulars		FY 2023-24
Energy available from Long Term sources	i	9,557.75
Interstate loss (%)	ii	3.66%
Interstate loss (MU)	$iii = i*ii$	349.81
Energy available from Long Term sources at STU periphery	$iv = i-iii$	9,207.94
Total energy requirement at STU periphery	v	10,327.90
Short Term Purchase required at STU Periphery	$vi = v-iv$	1,119.96

Power Purchase

3.11 Based on the energy quantum estimated in the table above and the approved power purchase cost for the sources and Intra-state Transmission charges as per (i) transmission charges as per the BPTAs executed with EDDD and DNHPDCL under the Transfer Scheme subject to adjustment as per the approval of the Hon'ble Commission; and (ii) Transmission Charges approved by Hon'ble JERC for Intra-State Transmission System, the total power purchase cost has been worked out as shown in the table below.

Table 31: Power Purchase Cost

	FY 2023-24	
	Quantum	Cost
	(MUs)	(Rs. Crore)
NTPC Stations	7,869.47	2,974.06
NSPCL-Bhilai	1,179.00	510.56
NPCIL	492.18	151.36
RGPPL	17.10	23.69
IEX/Bilateral	1,119.96	447.99
RE		
Solar with State	21.91	13.77
REC (Non-solar+ Solar)	-	112.95
Total Power Purchase	10,699.62	4,234.38
Transmission Charges		
PGCIL & WRLDC Charges		647.53
MSTCL Charges		1.75
Intra-state Transmission Charges		168.06
Total Transmission Charges		817.34
Total	10,699.62	5,051.72

3.12 Based on above, the Petitioner requests the Hon'ble Commission to approve the estimated power purchase cost.

Fixed Cost

Operation & Maintenance (O&M) expenses

3.13 As stated in the earlier chapter, the Petitioner has taken over the operations from

erstwhile discoms with effect from 1st April, 2022. It is observed that the network needs regular preventive maintenance in addition to predictive & breakdown maintenance. Accordingly, the Petitioner has taken up various activities for improvement of performance. Considering the level of activities, the Petitioner has deployed necessary skilled manpower in addition to transferred employees from the erstwhile entities. The O&M expenses consists of Employee expenses, Administration & General expenses and Repair & Maintenance expenses. The main drivers of these expenses are business growth, inflation, standard of performance, condition of existing assets necessitating higher maintenance, exposure of the assets to general public & safety norms.

- 3.14 Further, DNHDDPDCL is incurring necessary expenditure for repairs and maintenance for meeting stringent performance standards and ensuring high reliability of supply, Further, , the Petitioner has also aligned outage management and ensured that complete activity of fault management is done by the Licensee. In order to track and manage planned / unplanned outages effectively, the Petitioner is also in process of revamping the outage management system and IT support system including revamping of material management system. The Petitioner always keeps safety as a prime objective and accordingly, the Petitioner has been making necessary improvement in the system to ensure safety of the working staff as well.
- 3.15 Further, as per the Transfer Scheme, all the administrative offices owned by erstwhile Discoms have been kept with them. Accordingly, the Petitioner has to arrange for rented premises at multiple locations within the license area in order to comply with the operational norms. Similarly, Administrative and General expenses are required to be incurred in terms of need based deployment of contractual workforce.
- 3.16 It may be noted that Regulation 52 of the MYT Regulation provides that O&M expenses for Distribution Licensee which has been in operation for less than three (3) Years shall be determined on case-to-case basis. Since, DNHDDPDCL is a new licensee, it is proposed to consider its expenditure on actual basis for the Control Period. Once the O&M activities are established, necessary data will be available for the Hon'ble Commission to consider base O&M Expense for subsequent period.
- 3.17 In the above background, the O&M expenses arrived at is shown in the table below.



Table 32: O&M Expenses

All Figures in Rs. Crore	FY 2023-24
O&M Expenses	95.61

3.18 It may kindly be noted that the above O&M expenses does not take into account expenses such as the wage revision, change in law, change in levies/ duties/ taxes and charges, or any other unanticipated expenses.

Capital Expenditure

3.19 The UT of Dadra and Nagar Haveli and Daman and Diu have been privatized to achieve the twin objective of improvement in quality and reliability of supply and to cater the increasing demand of UT. Further, the UT being a hub for industrial, commercial and service sectors, there is an urgent need to improve the customer services and related infrastructure. The existing load density of the license area is about 2 MW/ sq.km which is likely to increase in the coming years and there is also potential for horizontal and vertical development. New initiatives in infrastructure projects will necessitate creation of state-of-the-art electrical network with ability of handling large quantum of power at the highest levels of reliability.

3.20 It is observed that the existing network is able to cater bare minimum requirement with need-based capital investments and there is an urgent need for investment in upgradation and modernisation of the existing distribution network to cater not only the future load growth but also ensuring reliability & quality of power. Another important aspect is to ensure ready-to-serve network at various voltage levels, not only to serve the consumers but create necessary redundancies to enhance reliability and to meet standards of performances. Further, investment is also required to bring further efficiency in distribution losses over the period of time. Impetus is also required to ensure necessary infrastructure to bring power from RE Capacities essential for fulfilment of RPO.

3.21 Accordingly, the capital expenditure for the license area consists of expenditure to create capacity and reliability in distribution network to provide un-interrupted supply, interconnection points, additional substations to cater to the load growth, customer connect centre, power supply centre, reduce losses and other miscellaneous items such as automation, IT etc. The details of planned capital

expenditure are shown in the table below for the approval of the Hon'ble Commission.

Table 33: Capital Expenditure

All Figures in Rs. Crore	FY 2023-24
33 KV Network	62.71
HT Network	198.56
LT Network	74.92
Meter Management	36.52
Supporting Infrastructure	2.01
Power Supply Centre and Call Centre	155.07
IT	2.66
Miscellaneous	3.00
Total	535.45

3.22 The capital expenditure for FY 2022-23 & FY 2023-24 tabulated above is described in the following sections:

a) 33kV Network:

Looking to the future load growth and in order to reduce losses and enhance reliability, it is proposed to commission 33/11 KV substations alongwith network at load centres in the UT. This will help to relieve existing 11 KV overloaded feeders while ensuring reduction in losses and enhancement in reliability. In order to feed the 33kV substations (two each at Silvassa and Daman), 220/33 kV source substations – one each at Silvassa and Daman is also required to be installed.

These 220/33 kV substations shall also help to source renewable power from various renewable capacities to fulfil the renewable power purchase obligation of DNHDDPDCL.

Accordingly, capex proposed to be incurred during FY 2023-24 is as under.

Table 34: Capital Expenditure for 33kV Network

All Figures in Rs. Crore	FY 2023-24
33 kV Network	
220/33 KV source substation	26.00
Land	14.00

All Figures in Rs. Crore	FY 2023-24
Construction	12.00
33/11 KV substation	30.00
Land	20.00
Construction	10.00
33 KV feeders	6.71
Cable & Accessories	6.71
Total	62.71

b) HT Network

Under this head, it is proposed to incur the capital expenditure towards following:

- **Normal Load Growth** – In order to cater the existing and future load growth at 11kV level, it is proposed to install underground HT network, Ring Main Unit, Bulk Metering Cubicles, etc. Further, to relieve overloaded Distribution Transformers, it is proposed to upgrade the existing Distribution Transformer and/or establish additional Distribution Transformers considering the load in surrounding areas and based on LT network loading and network length.

Additionally, it is proposed to incur capital expenditure towards electrification of HT customers. Further, capex is also proposed towards replacement of outdoor type Current Transformer/Potential Transformer (CT/PT) units of 11 KV HT consumers, which are majorly very old, obsolete, and prone to major breakdown with state-of-the-art Bulk Metering Cubicles having accuracy class of 0.2S. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2023-24
Normal Load Growth	
New DT/ Augmentation	42.76
11KV UG New feeder cost	32.38
11KV New HT Customers	1.42
11 KV HT customer existing CT/PT unit replacement	2.18
Scheme for relieving Overload DT	2.17
Total	80.91

- **Reliability, Renovation, Loss Reduction** – Due to overhead line, higher

number of 11kV feeder interruptions are observed, which leads to higher SAIFI and SAIDI. To overcome the same, it is proposed to carry out undergrounding of existing overhead HT network in a phased manner. Due to Overhead to Underground conversion, the number of tripping shall reduce, and distribution losses will also be optimized with laying of new network and optimal loading of network. This new underground network will also be utilized for mitigation of future load growth.

Additionally, capex is also proposed towards Distribution Transformer Metering & Automatic Meter Reading system, installation of Automatic Power Factor Control panels, interconnection of substations, Fuse Section Pillar replacement, Faulty Transformer replacement, and installation of Ring Main Unit.

Further, due to Infrastructure development such as bridges/ drainage line/ water pipeline by local authority & Government agencies, existing HT network are required to be modified/upgraded. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2023-24
Reliability, Renovation, Loss Reduction	
11KV OH to UG Conversion	32.11
11KV OH line Augmentation	0.69
DT Metering & AMR System	0.90
Faulty DT replacement	13.70
Interconnection of feeders for Load balancing, etc.	6.61
Installation of RMU on Pad Mounted DT	4.91
FSP replacement	1.20
Installation of APFC on DT	0.69
HT Network Shifting for Infrastructure works	2.00
Total	62.82

- **Technological Upgradation** – Under the head of Technological Upgradation it is proposed to incur capex towards Distribution Automation System. As per preliminary survey, partial distribution automation system was observed only in Silvassa town.

With the help of Distribution Automation System, nos. of affected consumers and time of interruption to affected consumers will reduce which in turn will

improve reliability of the distribution network. Distribution Automation System will allow remote sectionalisation and load transfer would be possible from one feeder to another feeder as compared to manual operation at site.

Further, capex is also proposed towards establishment of Advanced Distribution Management System (ADMS). With the help of ADMS, common monitoring and control of SCADA, Distribution Management System as well monitoring and data analysis of Automatic Metering Infrastructure/Automatic Meter Reading for metering, billing, and sale gap analysis will also be possible.

It is also proposed to implement Geographical Information System from consumer to 11 kV feeder level including consumer indexing and network hierarchy. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2023-24
Technological Upgradation	
Distribution Automation System	23.79
Advanced Distribution Management System	14.48
GIS	11.27
Total	49.53

- **Safety** - Based on Condition Based Monitoring survey of existing overhead line/structure and for enhancement of safety and reliability, it is proposed to replace 11kV poles and DT structure, provide guard wire in existing overhead lines, carry out fencing of Distribution Transformers/substations, and ensure adequate earthing of all 11kV structures. It is also proposed to procure various safety tools & personal protective equipments. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2023-24
Safety	
11KV Pole Replacement	0.50
Guarding & Earthing of Pole & 11 KV line	1.61
DT Earthing	0.81
DT/Structure Refurbishment	0.67
Civil work/fencing for Dist. SS	1.06
Safety Tools/PPEs	0.65
Total	5.30

The summary of total expenditure planned for the above described items is provided in the table below.

Table 35: Capital Expenditure for HT Network

All Figures in Rs. Crore	FY 2023-24
HT Network	
Normal Load Growth	80.91
Reliability, Renovation, Loss Reduction	62.82
Technological Upgradation	49.53
Safety	5.30
Total	198.56

c) LT Network

Under this head, it is proposed to incur the capital expenditure towards following:

- **Normal Load Growth** – The existing LT network is not sufficient to meet with the increasing demand of existing consumers and release connections to new LT consumers. Accordingly, it is proposed to create new LT network which will be ready-to-serve the new consumers and cater the increasing demand of the existing consumers. Further, to release new connections to LT consumers laying of LT services cables, installation of meter box and Mini Section Pillars are also required. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2023-24
Normal Load Growth	
LT New Customers	1.77
LT Network	4.09
Total	5.87

- **Reliability, Renovation, Loss Reduction** – During survey, it was observed that most of LT network is overhead network with bare conductors which are

prone to major network failures, can hamper safety and are vulnerable to direct theft. To overcome these drawbacks of overhead network conversion of existing overhead network to safe, reliable and less theft prone underground network is planned. Also, LT underground network will improve system reliability, safety and help in loss minimization.

Further, during survey it was also observed that consumer installations require revamping for enhancement of protection system and safety and accordingly revamping activity is proposed. Also, interlinking of Distribution Transformers on LT side has been proposed with new distributors.

Additionally, due to Infrastructure development such as bridges/ drainage line/ water pipeline by local authority & Government agencies, existing LT network are required to be modified/upgraded. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2023-24
Reliability, Renovation, Loss Reduction	
LT OH to UG Conversion	47.03
LT Bare Conductor to OH Cable	5.80
LT Customer Meter Box Revamping	7.17
LT Relieving of Overload Distributor/Interlinking	3.55
LT Network Shifting for Infrastructure works	2.00
Total	65.55

- **Safety** – Based on Condition Based Monitoring survey of existing overhead line/structure and for enhancement of safety and reliability, it is proposed to replace LT poles, provide guard wire in existing overhead lines, and ensure adequate earthing of all LT structures. Further, corroded and unsafe Mini Section Pillars will also be replaced, which will help improve system reliability and safety to the public. The details of scheme-wise expenditure are as under:

All Figures in Rs. Crore	FY 2023-24
Safety	
LT Pole Replacement	0.78
Guarding & Earthing of Pole & LT Line	2.28
MSP Replacement	0.44
Total	3.50

The summary of total expenditure planned for the above described items is provided in the table below

Table 36: Capital Expenditure for LT Network

All Figures in Rs. Crore	FY 2023-24
LT Network	
Normal Load Growth	5.87
Reliability, Renovation, Loss Reduction	65.55
Safety	3.50
Total	74.92

d) Meter Management

Under this head, it is proposed to incur the capital expenditure towards following:

- **Normal Load Growth:** For releasing new connections energy meters are required to be installed for metering and billing of each consumer. As per the MoP notification all new energy meters are required to be Smart meters. Accordingly, capex has been proposed.
- **Smart Metering with Infrastructure:** Smart meters are to be provided at all installations as per MoP Notification. Accordingly, 100% meters are to be replaced in Union Territory in phased manner. Further, provision of capex for establishment of Automatic Meter Reading/ Automatic Metering Infrastructure for implementation of smart metering project at consumer end is made. Cost pertains to smart meters, service apparatus, relevant hardware, software, communication equipment and integration with IT system.

The summary of expenditure planned for the above described items is provided in the table below.

Table 37: Capital Expenditure for Meter Management

All Figures in Rs. Crore	FY 2023-24
Meter Management	
Normal Load Growth	3.70
Smart Metering and	32.82

All Figures in Rs. Crore	FY 2023-24
Infrastructure	
Total	36.52

e) **Supporting Infrastructure**

Under this head, it is proposed to incur the capital expenditure towards following:

- **Testing Equipments:** Testing, monitoring and measuring equipment are required to monitor and measure network parameters. Capex is proposed for procurement of required tools tackles and testing & measuring equipment to carry out routine, capital and maintenance activity for HT & LT network.
- **Meter Testing Laboratory:** Provision for establishment of state-of-the-art meter testing laboratory to carry out testing of LT-HT energy meters and CT/PT units which inter-alia includes automated meter testing bench, reference standard meter, meter sealing mechanism, etc.

Accordingly, the total capital expenditure proposed towards Supporting Infrastructure is as under:

Table 38: Capital Expenditure for Supporting Infrastructure

All Figures in Rs. Crore	FY 2023-24
Testing Equipments	0.75
Meter Testing Laboratory	1.26
Total	2.01

f) **Power Supply Centre and Call Centre**

- The Power Supply Centres (PSC) have been proposed at strategic locations across the UT to improve efficiency in operation and to improve services i.e. attending complaints, releasing connections, and attending to consumer's request. During the current period, PSC are proposed at Silvassa, Nani Daman, Moti Daman, Diu, Khanvel, Rakholi, and Masat. These PSCs shall also have associated stores/mini-stores to ensure availability of equipment and material at load centres. This will help in providing better services to the consumers.

- Capex is also proposed towards establishment of centralized call centre and customer care centre for registration of applications, bill payment collection, alongwith registration of no power complaints, meter and billing related complaints, and for other consumer interactions.

Accordingly, the total capital expenditure proposed towards Power Supply Centre and Call Centre is as under:

Table 39: Capital Expenditure for PSC and Call Centre

All Figures in Rs. Crore	FY 2023-24
PSC	154.55
Call Centre	0.52
Total	155.07

g) IT & Related Expenditure

For efficient system working and system data monitoring, capex has been proposed towards procurement of new Laptop, Desktop, establishment of LAN connectivity, Network switches, routers, firewall, servers and other associated equipment / infrastructure. Further, capex is also proposed towards implementing Enterprise Resource Planning system like SAP to provide the integrated platform for effective outage management, material management, metering and billing, finance and accounts.

Accordingly, the total capital expenditure proposed towards IT & related expenditure is as under:

Table 40: Capital Expenditure for IT

All Figures in Rs. Crore	FY 2023-24
IT & Related Expenditure	2.66

h) Miscellaneous

Capex is proposed towards basic infrastructure of office premises like furniture, fixtures, and other facilities along with vehicles for attending faults and transporting material and manpower on site.

Accordingly, the total capital expenditure proposed towards Miscellaneous is

as under:

Table 41: Capital Expenditure for Miscellaneous

All Figures in Rs. Crore	FY 2023-24
Miscellaneous	3.00

Interest Expenses

3.23 The capital expenditure will be funded through a normative debt equity ratio of 70:30 as per the MYT Regulation. The debt component is estimated in the table below:

Table 42: Capitalisation

All Figures in Rs. Crore		FY 2023-24
Opening GFA	a	610.14
Addition to GFA	b	305.68
Deletion from GFA	c	-
Closing GFA	d=a+b-c	915.81
Capitalisation of Debt	e=b-c	305.68
Capitalisation of Equity	f=b-c	305.68
Normative Debt @ 70%	g=e*70%	213.97
Normative Equity @30%	h=f*30%	91.70

3.24 The Petitioner submits that the MYT Regulation provides for the calculation of interest expenses on normative basis considering the amount of depreciation of assets as the amount of repayment. The Petitioner has considered the interest expenses as per the MYT Regulation on normative loans.

3.25 The Petitioner has calculated the interest expenses by applying the estimated opening Weighted Average Rate of interest of the loan portfolio of the Petitioner at the beginning of the year on the opening balance of the normative loan for FY 2023-24 while repayment has been considered equal to the depreciation of the assets for the year. Opening GFA as per the details made available by the UT subject to adjustment upon issuance of Opening Balance sheet under the Transfer Scheme.

3.26 The interest expense thus proposed are shown in the table below for approval of the Hon'ble Commission.

Table 43: Interest Expenses

All Figures in Rs. Crore	FY 2023-24
Opening Balance of Loans	204.10
Loan addition during the year	213.97
Repayments during the year	26.85
Closing balance of Loans	391.22
Weighted Average Rate of Interest (in %)	7.65%
Interest Expense	22.77

Interest on Security Deposit

3.27 The MYT Regulation provides that interest on security deposit shall be computed at Bank Rate as on 1st April of the Financial Year in which the Petition is filed.

3.28 In the present petition the Petitioner has estimated the interest on security deposit for each year considering the interest rate of 4.25% on the average of opening balances and closing balance of security deposit for the license area.

3.29 The estimated interest on security deposit is as under

Table 44: Interest on Security Deposit

All Figures in Rs. Crore	FY 2023-24
Interest Rate (in %)	4.25%
Interest on Security Deposit	8.04

3.30 The Petitioner requests the Hon'ble Commission for the approval of the estimated interest on security deposit.

Interest on Working Capital

3.31 The interest on working capital is computed as per the MYT Regulation. The interest rate, being the SBBR (State Bank Base Rate) rate on 1st April of the Financial Year in which petition is filed plus 200 basis points, of 9.00% is to be applied on the working capital requirement arrived at in accordance with the Regulations.

3.32 The estimate of interest on working capital is shown in the table below for the approval of the Hon'ble Commission.

Table 45: Interest on Working Capital

All Figures in Rs. Crore	FY 2023-24
O&M Expenses for 1month	7.97
40% of R&M expenses for one month	1.25
Receivables for 2 months	873.55
Less: Power Purchase Cost	420.98
Less: Security Deposit	189.22
Normative Working Capital	272.58
Interest Rate (in %)	9.00%
Interest on Working Capital	24.53

Depreciation

- 3.33 The depreciation rates as per the MYT Regulation is applied on the opening GFA. The total depreciation arrived at after the computation described above is shown in the table below.
- 3.34 The Petitioner submits to the Hon'ble Commission to approve the depreciation as proposed.

Table 46: Depreciation

All Figures in Rs. Crore	FY 2023-24
Depreciation	26.85

Return on Equity

- 3.35 The return on equity for wheeling and retail business has been computed based on the opening & closing balance of the equity arrived at considering the estimated capitalisation for FY 2023-24
- 3.36 The return on equity is computed as per the provisions of the MYT Regulation, on the average of the opening & closing balance of equity for FY 2023-24 The return on equity estimated by the Petitioner is shown in the table below for the approval of the Hon'ble Commission.

Table 47: Return on Equity

All Figures in Rs. Crore	FY 2023-24
Opening Equity	183.04
Equity addition during the year	91.70

All Figures in Rs. Crore	FY 2023-24
Equity at the end of the year	274.74
ROE on the average balance	35.59

Income Tax

3.37 As per the MYT Regulation, income tax shall be computed based on the actual income tax paid, including cess and surcharge on the same, if any, as per latest audited accounts available for the Distribution Licensee, subject to prudence check.

3.38 Since DNHDDPDCL has taken over the operations w.e.f 1st April, 2022, the income tax has been considered as nil. The same shall be considered on actual basis at the time of True-up.

Table 48: Income Tax

All Figures in Rs. Crore	FY 2023-24
Income Tax	-

3.39 The Petitioner requests the Hon'ble Commission to approve the income tax as per above.

Bad Debts written off

3.40 The MYT Regulation provides that the Hon'ble Commission may allow bad debts written off as a pass through in the ARR based on the trend of amount written off of bad debts in previous years.

3.41 Since DNHDDPDCL has taken over the operations w.e.f 1st April, 2022, the bad debts written off has been considered as nil.

Table 49: Bad Debts written off

All Figures in Rs. Crore	FY 2023-24
Bad Debts	-

3.42 The Petitioner requests the Hon'ble Commission to approve the bad debts as per above. The actual bad debts written off will be considered at the time of truing up.

Non-Tariff Income

3.43 The non-tariff income is estimated in the table below which consists of income from

rent of land/ building/ meter/ service line, sale of scrap, service charges, consumer charges, etc.

- 3.44 The Petitioner has forecasted the non-tariff income on the basis of current trends as under.

Table 50: Non-Tariff Income

All Figures in Rs. Crore	FY 2023-24
Non-Tariff Income	3.67

- 3.45 The Petitioner requests the Hon'ble Commission to approve the Non-Tariff Income as estimated above.

Aggregate Revenue Requirement

- 3.46 The Aggregate Revenue Requirement is shown in the table below.

Table 51: ARR

All Figures in Rs. Crore	FY 2023-24
Power Purchase	5,051.72
O&M expenses	95.61
Interest on loans	22.77
Interest on working capital	24.53
Depreciation	26.85
Interest on SD	8.04
Bad debts	-
RoE	35.59
Income Tax	-
Less: Non-tariff income	3.67
ARR	5,261.45

- 3.47 The Petitioner will be filing a separate petition seeking approval of the Hon'ble Commission for the DSM plan for the Control Period as per the JERC (Demand Side Management) Regulations, 2014. Based on the approval received and the actual cost incurred, the Petitioner shall claim the actual DSM expenses as part of its truing up petitions.

Revenue from Sale of Power

- 3.48 . The Petitioner has estimated the revenue from sale of power for FY 2023-24 at



proposed tariff. DNHDDPDCL being a new Distribution Licensee for entire area of Union Territory, it is incumbent on it to ensure tariff for all the consumers of UT as per the provisions of Electricity Act, 2003 read with Transfer Scheme.

3.49 The revenue from sale of power as above is outlined in the table below for the approval of the Hon'ble Commission.

Table 52: Revenue from Sale of Power

All Figures in Rs. Crore	FY 2023-24
Revenue from Sale of Power	5,241.31

Revenue Gap/ (Surplus)

3.50 The ARR for FY 2023-24 is as under. At present, no revenue is considered from open access. Accordingly, the gap/(surplus) is estimated for FY 2023-24 as below:

Table 53: Gap/ (Surplus) for FY 2023-24

All figures in Rs. Crore	FY 2023-24
ARR	5,261.45
Less:	
Revenue from sale of power	5,241.31
Revenue from Open Access Charges	-
(Gap)/ Surplus	(20.14)

3.51 Based on above, the summary of revenue gap for determination of tariff for FY 2023-24 is shown in the following table.

Table 54: Cumulative Revenue Gap/(Surplus) for determination of tariff for FY 2023-24

All figures in Rs. Crore	FY 2022-23	FY 2023-24
ARR	5,064.47	5,261.45
Revenue	5,055.58	5,241.31
Opening (Gap) / Surplus	-	(9.25)
(Gap) / Surplus for the Year	(8.89)	(20.14)
Closing (Gap)/ Surplus	(8.89)	(29.39)
Rate of Interest	8.00%	8.00%
Carrying Cost	(0.36)	(1.55)
Cumulative (Gap)/ Surplus	(9.25)	(30.94)

3.52 Based on the above, the cumulative gap of FY 2023-24 works out to be Rs 30.94 Crore after considering proposed tariff. In order to recoup the revenue gap, the Petitioner proposes to make necessary adjustment at the time of True-up.

3.53 It may kindly be noted that despite the overall inflationary pressures, the Petitioner has been managing its costs through operational efficiencies. The approval of tariff as proposed is essential so as to enable the Petitioner to improve the standards of quality, reliability and customer services in the UT.



Chapter 4: Wheeling and Retail supply business for FY 2023-24

- 4.1 Regulation 49 of the MYT Regulation stipulates that the ARR be segregated as per the allocation matrix for segregation of expenses between Distribution Wires Business and Retail Supply Business for determination of wheeling charges.
- 4.2 The allocation of expenditure to wheeling and retail supply business is based on the consideration that the distribution infrastructure up to the service line is part of the wheeling business and the distribution infrastructure from service line to consumer premises is part of the retail supply business.
- 4.3 Based on the above, the ARR has been segregated as under.

Table 55: Allocation Matrix for Segregation to Wheeling & Retail Supply

Annual Revenue Requirement (Rs. Crore)	Allocation (%)		Allocation FY 2023-24	
	Wheeling	Supply	Wheeling	Supply
Power Purchase cost	0%	100%	-	5,051.72
Employee costs	40%	60%	13.58	20.37
Repairs & Maintenance	90%	10%	33.82	3.76
A&G expenses	50%	50%	12.04	12.04
Depreciation	90%	10%	24.17	2.69
Interest and Finance charges	90%	10%	20.49	2.28
Interest on Security Deposit	10%	90%	0.80	7.24
Interest on working capital	10%	90%	2.45	22.08
Provision for bad debts	0%	100%		
Return on Equity	90%	10%	31.93	3.66
Income Tax	90%	10%	-	-
Annual Revenue Requirement			139.29	5,125.83
Less: Non-Tariff Income	10%	90%	0.37	3.30
Net Revenue Requirement			138.92	5,122.53

- 4.4 The above segregated ARR is being considered to determine the wheeling charges and cross-subsidy charge for FY 2023-24.

Chapter 5: Tariff Proposal for FY 2023-24

Background

5.1 The Petitioner has computed the cumulative gap/ (surplus) for FY 2023-24 as detailed in the earlier chapters.

Tariff Philosophy

5.2 The Petitioner submits that the tariff structure should be based on widely recognized best practices in accordance with the legal framework and the principles as detailed hereunder:

- A. Consumers' capacity to pay
- B. Principles of cross subsidy prescribed by Tariff Policy
- C. Incentivising energy conservation
- D. Demand Side Management
- E. Promotion of efficient use of electricity

5.3 DNHDDPDCL, being a Distribution Licensee for the entire area of Union Territory of Dadra and Nagar Haveli and Daman and Diu, tariff for its consumers is required to be determined as per Section 62(3) of the Electricity Act, 2003. Accordingly, the Petitioner submits its proposal to restructure the tariff as detailed in paragraphs hereunder. While doing so, DNHDDPDCL has taken due care to balance overall interest of consumers at large.

Determination of Retail Tariff and Other Charges

5.4 As per the Transfer Scheme and Policy Direction issued by the Union Territory of Dadra and Nagar Haveli and Daman and Diu, the prevailing tariff is required to be considered as an adhoc tariff. Accordingly, consumers of UT are being billed at prevailing tariff for FY 2022-23.

5.5 However, upon implementation of Transfer Scheme under the provisions of the Electricity Act, 2003, the Hon'ble Commission is required to determine the tariff for all the consumers of entire license area in line with the provisions of Section 62(3) of the Electricity Act, 2003.



5.6 In turn, the Petitioner has proposed to rationalise the fixed charge and energy charge of all the categories. Table below summarizes the proposed tariff structure for various consumer categories for FY 2023-24.

Category	Consumption Slabs	Fixed Charges	Energy Charges
DOMESTIC	Lifeline Consumer	10 Rs./kW/Month	1.00 Rs./kWh
	0-100 units	10 Rs./kW/Month	1.60 Rs./kWh
	101-200 units		2.30 Rs./kWh
	201-400 units		2.80 Rs./kWh
	401 and above		3.40 Rs./kWh
COMMERCIAL	0-100 units	20 Rs./kW/Month	3.35 Rs./kWh
	101 units and above		4.35 Rs./kWh
AGRICULTURE	Up to 10 HP		0.90 Rs./kWh
	Beyond 10 HP		1.30 Rs./kWh
PUBLIC LIGHTING	For all units		4.30 Rs./kWh
LT Public Water Works	Up to 20 HP	50 Rs./HP/Month	4.50 Rs./kWh
	Above 20 HP	100 Rs./HP/Month	4.50 Rs./kWh
LT INDUSTRIAL	Up to 20 HP	30 Rs./HP/Month	3.65 Rs./kVAh
	Above 20 HP	80 Rs./HP/Month	3.85 Rs./kVAh
HT/EHT	11 kV supply	400 Rs./kVA/month	4.30 Rs./kVAh
	66 kV supply	525 Rs./kVA/month	4.20 Rs./kVAh
	220 kV supply	575 Rs./kVA/month	4.15 Rs./kVAh
HOARDINGS	All the Consumers	110 Rs./kVA/Month	7.00 Rs./kWh
EV CHARGING STATION	LT Category		5.10 Rs./kVAh
	HT Category		4.90 Rs./kVAh

The above tariff proposal reflects simplicity of structure and is also aligned with objectives specified in the Electricity Act as well as Tariff Policy read with the Transfer Scheme.

The detailed Tariff schedule including applicability criteria for each of the Category for FY 2023-24 is attached as **Annexure 1**.

5.7 Further, the Petitioner requests the Hon'ble Commission to approve the fuel purchase adjustment formula including the "k" factor for FY 2023-24 as well to take care of any variation in the ARR.

5.8 It may kindly be noted that the Petitioner has taken over the operations of the UT from 1st April, 2022. Despite the Petitioner managing its costs through operational efficiencies, the approval of tariff rationalization is essential not only to comply the statutory requirements but also to enable the Petitioner to improve the standards of supply in terms of quality, reliability and customer services.

5.9 In addition to the above, the Petitioner has also provided the schedule of other charges at Annexure 2.

Determination of Wheeling Charges

5.10 The wheeling charges are calculated as per existing practice being followed by the Hon'ble Commission by considering the allocation matrix in Chapter 4 and the ARR proposed for FY 2023-24.

5.11 In order to determine the wheeling charges prudently, the wheeling costs has been allocated on the basis of LT and HT/EHT voltage levels. The wheeling charges are levied for the distribution network utilized by Open Access consumers and primarily comprise of O&M Expenses and other costs. The criteria for allocation of wheeling costs is elaborated as follows:

- O&M Expenses are allocated on the basis of number of consumers under category specified below.
- All expenses other than the O&M expenses are allocated on the basis of voltage wise asset allocation between LT and HT/EHT. The value so arrived for HT/EHT has been further allocated to HT/ EHT and LT consumers based on the energy input for the LT and HT/EHT.

5.12 The voltage wise asset allocation assumed and the number of consumers in each category has been shown as follows.

Table 56: Parameters assumed for allocation of wheeling charges

Particulars	Energy Sales (MU)	Cumulative Loss (%)	Energy Input (MU)	Consumers	Voltage Wise Asset Allocation (%)
LT	984.87	12.50%	1,125.55	1,65,180	30%
HT & EHT	8,913.00	2.00%	9,094.90	1,695	70%
Total	9,897.87	3.16%	10,220.44	1,66,875	100%

5.13 Accordingly, the Wheeling Charges have been computed as follows.

Table 57: Wheeling charges proposed for FY 2023-24

Particulars	O&M Expense (Rs. Crore)	Others Expenses (Rs. Crore)	Total (Rs. Crore)	Wheeling Charges (Rs. /kWh)
LT	58.84	29.97	88.81	0.90
HT & EHT	0.60	49.51	50.12	0.06

5.14 Any Open Access consumer is required to bear Wheeling Charges and losses as approved by the Hon'ble Commission in addition to applicable Inter-state/ Intra-state Transmission charges and losses.

Determination of Cross-Subsidy Surcharge

5.15 The cross-subsidy surcharge has been calculated with respect to the voltage wise cost of supply. The following approach has been adopted to determine the voltage wise cost of supply:

5.16 DNHDDPDCL has assumed losses for HT/EHT voltage categories. The remaining losses are adjusted in the LT voltage level in order to maintain the distribution losses at 3.16%, as proposed in the ARR for FY 2023-24. Using these losses the energy input at each voltage level is determined based on the energy sales. The table below shows the energy input at each voltage level:

Table 58: Energy Input at each voltage level (MU)

Particulars	Energy Sales (MU)	Cumulative Loss (%)	Energy Input (MU)
LT	984.87	12.50%	1,125.55
HT & EHT	8,913.00	2.00%	9,094.90
Total	9,897.87	3.16%	10,220.44

5.17 Thereafter, the overall ARR proposed for FY 2023-24 is divided into variable and fixed ARR with variable ARR comprising of variable power purchase cost and fixed ARR comprising of all the other costs. The fixed component comprising of fixed cost of power purchase, O&M etc. is further allocated to each voltage category as per the following principles:

- The fixed cost of power purchase is assigned to each voltage level on the basis of energy input at respective voltage levels.
- The O&M expenses are allocated to each voltage level on the basis of the number of consumers.
- The remaining fixed costs are allocated on the basis of voltage wise asset allocation assumed earlier and further allocated to respective voltage levels on the basis of input energy.

Table 59: Parameters used for allocation of fixed costs

Particulars	Energy Input (MU)	Voltage Wise Asset Allocation (%)	Number of Consumers
LT	1,125.55	30%	1,65,180
HT & EHT	9,094.90	70%	1,695
Total	10,220.44	100%	1,66,875

5.18 The Variable component of the Power purchase cost is allocated on the basis of energy input. The Voltage wise cost of supply (VCoS) is then determined on the basis of energy sales of respective categories. Accordingly, the VCoS is determined as shown in the table below.

Table 60: Voltage Wise Cost of Supply (VCoS)

Particulars	Allocated Fixed Cost (Rs. Crore)	Allocated Variable Cost (Rs. Crore)	Total Cost (Rs. Crore)	Energy Sales (MU)	VCoS (Rs./kwh)
LT	381.33	312.67	694.00	984.87	7.05
HT & EHT	2,040.92	2,526.52	4,567.45	8,913.00	5.12
Total	2,422.26	2,839.20	5,261.45	9,897.87	5.32

5.19 The VCoS as determined above is used to determine the Cross-Subsidy Surcharge. Accordingly, the proposed Cross-subsidy surcharge is shown in the table below:

Table 61: Cross-subsidy surcharge for FY 2023-24

Particulars	VCoS (Rs./kwh)	ABR (Rs./kWh)	Cross-Subsidy (Rs./kWh)
LT	7.05	3.73	(3.32)
HT & EHT	5.12	5.47	0.34

Determination of Additional Surcharges

5.20 The Regulation 4.5 (1) of the Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Connectivity and Open Access in Intra-State Transmission and Distribution) Regulations, 2017 (as amended from time to time) states the following:

“An Open Access Consumer, receiving supply of electricity from a person other than the Distribution Licensee of his area of supply, shall pay to the Distribution Licensee an additional surcharge in addition to wheeling charges and cross-subsidy surcharge,

to meet the fixed cost of such Distribution Licensee arising out of his obligation to supply as provided under sub-section (4) of Section 42 of the Act”

5.21 Further, Regulation 4.5 (2) of the said Regulations stipulates as under:

“This additional surcharge shall become applicable only if the obligation of the Licensee in terms of power purchase commitments has been and continues to be stranded or there is an unavoidable obligation and incidence to bear fixed costs by the Licensee consequent to such a contract. However, the fixed costs related to network assets would be recovered through wheeling charges.”

5.22 Accordingly, the Additional Surcharge has been determined for FY 2023-24 as shown below.

Table 62: Additional Surcharge

Particulars	FY 2023-24
Total Power Purchase Fixed Cost (excluding transmission charges) (Rs. Crores)	1,395.18
Energy Sales (MUs)	9,897.87
Additional Surcharge (INR/kWh)	1.41



Chapter 6: Compliance of Directives

6.1 The Hon'ble Commission in its orders dated 31st March, 2022 in Case No. 66/2021 and 68/2021 has issued the directives to the erstwhile entities of the UT. In turn, the Petitioner is submitting herewith the status of applicable compliances for relevant direction, as under.

1) Power Procurement Planning

The Hon'ble Commission has directed the erstwhile entities to explore long-term / medium term power purchase arrangements and thereby minimize its dependence on more risk-free sources of power and reduce its dependence on purchase of power from short-term sources such as UI / Traders / Power Exchange. Further, the Hon'ble Commission has also directed the Petitioner to increase the share of power purchase from renewable sources in the energy mix planned during the Control Period so that the share of clean energy increases in the energy mix and the backlog of RPO targets as well as current targets is cleared by the end of the Control Period.

The Petitioner would like to submit that at present, more than 85% of tie-up of power of DNHDDPDCL is from long term sources such as central generating stations. Only top up power of ~10%-14% is being sourced through power exchange to address the variable demand.

Further, regarding RPO, the Petitioner would like to submit that it has been procuring renewable power from G-TAM/G-DAM markets in addition to the existing tie-up of renewable power. The Petitioner is also in process to procure RE Power for fulfilment of RPO.

2) Details of Consumer Security Deposit

The Hon'ble Commission has directed the erstwhile entities of the UT to submit the details of the Consumer Security Deposit for each financial year starting from FY 2021-22 onwards indicating the opening balance, additions, refunds, interest payable, closing balance and Interest actually paid along with the Tariff Petition to be submitted henceforth. In this regard, the Petitioner shall submit all the relevant details separately.



Chapter 7: Prayers

7.1 The Petitioner is filing the present petition for Review of ARR of FY 2022-23 based on revised estimates and Determination of Aggregate Revenue Requirement (ARR) & Tariff for FY 2023-24 for its Distribution business of Dadra and Nagar Haveli and Daman and Diu area.

7.2 In view of the facts and circumstances, the Petitioner prays to the Hon'ble Commission that it may be pleased to:

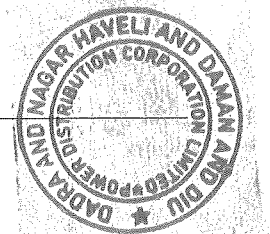
- a) Admit the petition for Review of ARR based on revised estimates of FY 2022-23 and Determination of Aggregate Revenue Requirement & Tariff for FY 2023-24, for the entire Distribution Licence area of the Petitioner.
- b) Approve the revised estimates of ARR for FY 2022-23 and Determination of Aggregate Revenue Requirement & Tariff for FY 2023-24 as proposed for the entire Distribution Licence area of the Petitioner.
- c) Approve the estimated cumulative Gap/ (Surplus) for the entire Distribution Licence area of the Petitioner.
- d) Approve the wheeling ARR and corresponding charges for wheeling of electricity with effect from 1st April 2023 as proposed in the Petition.
- e) Approve the recovery through retail tariff as prayed for in the Petition.
- f) Allow the recovery of other charges as proposed in the Petition.
- g) Allow additions/ alterations/ changes/ modifications to the petition at a future date.
- h) Permit the Petitioner to file all necessary pleading and documents in the proceeding and documents from time to time for effective consideration of the proceeding.
- i) Allow any other relief, order or direction which the Hon'ble Commission deems fit to be issued.
- j) Condone any inadvertent omissions/ errors/ rounding off difference/ shortcomings.

Place: Ahmedabad

Date: March 9th, 2023



Authorised Signatory



BEFORE THE JOINT ELECTRICITY REGULATORY COMMISSION FOR THE STATE OF
GOA & UNION TERRITORIES

Serial No. A-02374/2023

(PARESH G. BAROT)
NOTARY
GOVT OF INDIA
- 9 MAR 2023

File No. _____

Case No. _____

IN THE MATTER OF

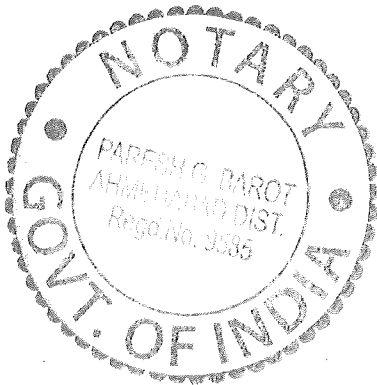
Filing of Petition under Section 61, 62 and 64 of the Electricity Act, 2003 read with all the applicable Regulations, under the JERC (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2021 for Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR & Tariff for FY 2023-24 for the Distribution business of Dadra and Nagar Haveli and Daman and Diu

AND

IN THE MATTER OF

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited (DNHDDPDCL)
1st & 2nd Floor, Vidyut Bhavan,
Next to Secretariat Building, 66 kV Road,
Dadra and Nagar Haveli and Daman and Diu – 396230

.....PETITIONER



AFFIDAVIT

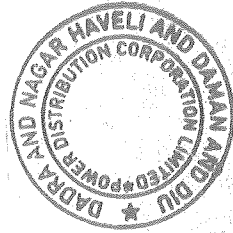
I, Chetan Bundela, son of Shri Manharlal Bundela, aged about 51 years, duly authorized by the Petitioner, DNHDDPDCL, having its office at 1st & 2nd Floor, Vidyut Bhavan, Next to Secretariat Building, 66 kV Road, Dadra and Nagar Haveli and Daman and Diu – 396230 do solemnly affirm and state on oath as under:

1. That the deponent is authorized as per the resolution of the company dated 15th March, 2022 and is acquainted with the facts deposed as below.

2. I, the deponent named above do hereby verify that the contents of the petition are based on the records of the DNHDDPDCL maintained in the ordinary course of business and believed them to be true and I believe that no part of it is false and no material facts have been concealed therefrom.

SOLEMNLY AFFIRMED
BEFORE ME

(PARESH G. BAROT)
NOTARY
GOVT. OF INDIA
- 9 MAR 2023

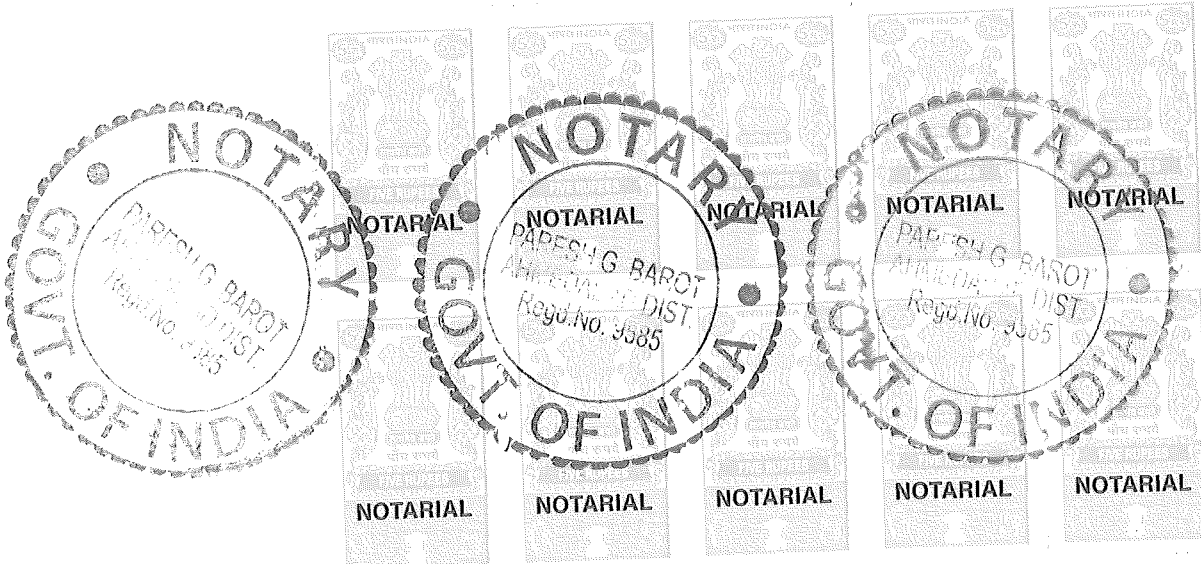


(DEPONENT)

I, _____, Advocate, _____ do hereby declare that the person making this affidavit is known to me through the perusal of records and I am satisfied that he is the same person alleging to be deponent himself.

Advocate

Solemnly affirmed before me on this _____ day of March, 2023 at _____ pm/am by the deponent who has been identified by the aforesaid Advocate. I have satisfied myself by examining the deponent that he understood the contents of the affidavit which has been read over and explained to him. He has also been explained about Section 193 of Indian Penal Code that whoever intentionally gives false evidence in any of the proceedings of the Commission or fabricates evidence for purpose of being used in any of the proceedings shall be liable for punishment as per law.



Annexure-1: Proposed Tariff Schedule

FOR THE CONSUMERS OF DADRA AND NAGAR HAVELI AND DAMAN AND DIU POWER
DISTRIBUTION CORPORATION LIMITED

TARIFF FOR DISTRIBUTION AND SUPPLY OF ELECTRICITY AT LOW TENSION,
HIGH TENSION AND EXTRA HIGH TENSION

EFFECTIVE FROM: 1st April, 2023

GENERAL CONDITIONS

1. This tariff schedule is applicable to all the consumers of Union Territory of Dadra and Nagar Haveli and Daman and Diu.
2. All these tariffs for power supply are applicable to only one point of supply.
3. Except in cases where the supply is used for purposes for which a lower tariff is provided in the tariff schedule, the power supplied to any consumer shall be utilized only for the purpose for which supply is taken and as provided for in the tariff.
4. The charges specified in the tariff are on monthly basis, DNHDDPDCL shall adjust the rates according to billing period applicable to consumer. Fixed charges, wherever applicable, will be double as and when bi-monthly billing is carried out. Similarly, slabs of energy consumption will also be considered accordingly in case of bi-monthly billing.
5. The various provisions of the JERC Regulations read with Electricity Act, 2003 will continue to apply.
6. Conversion of Ratings of electrical appliances and equipments from kilowatt to B.H.P. or vice versa will be done, when necessary, at the rate of 0.746 kilowatt equal to 1 B.H.P.
7. The billing of fixed charges based on contracted load or maximum demand shall be done in multiples of 0.5 (one half) Horse Power or kilowatt (HP or KW) as the case may be. The fraction of less than 0.5 shall be rounded to next 0.5.
8. The Connected Load for the purpose of billing will be taken as the maximum load connected during the billing period.



9. Contract Demand shall mean the maximum kW/kVA for the supply of which DNHDDPDCL undertakes to provide facilities to the consumer from time to time.
10. Maximum Demand in a month means the highest value of average kW as the case may be, delivered at the point of supply of the consumer during any consecutive 15/30 minutes in the said month.
11. The Fixed Charges, Minimum charges, Demand Charges and the slabs of consumption of energy for Energy Charges mentioned shall not be subject to any adjustment on account of existence of any broken period within Billing Period arising from consumer supply being connected or disconnected any time within the duration of Billing Period for any reason.
12. If the consumer fails to pay the energy bill presented to him by the due date, DNHDDPDCL shall have the right to disconnect the supply as per the provisions of the Act and the Supply Code Regulations.
13. Fuel and Power Purchase Cost Adjustment (FPPCA) charges shall be applicable in accordance with the formula approved by the Hon'ble Joint Electricity Regulatory Commission from time to time.
14. Excess Demand Charges: The billing in case of HT/EHT shall be on the maximum demand recorded during the month or 85% of contracted demand, whichever is higher. If in any month, the recorded maximum demand of the consumer exceeds its contracted demand, that portion of the demand in excess of the contracted demand shall be billed at double the normal rate. Similarly, energy consumption corresponding to excess demand shall also be billed at double the normal rate. The definition of the maximum demand would be in accordance with the provisions of the JERC Supply Code Regulation. If such over-drawal is more than 20% of the contract demand, then the connections shall be disconnected immediately. Payment of penal charges for usage in excess of contract demand / load for any billing period does not entitle the consumer to draw in excess of contract demand / load as a matter of right.
15. Delayed payment surcharge: Delayed payment surcharge shall be applicable to all categories of consumers.
16. Delayed payment surcharge of 2% per month or part thereof shall be levied on all arrears of bills. Such surcharge shall be rounded off to the nearest multiple of one rupee. Amount less than 50 paise shall be ignored and amount of 50 paise or more



shall be rounded off to the next rupee. In case of permanent disconnection, delayed payment surcharge shall be charged only up to the month of permanent disconnection.

17. Advance Payment Rebate: Advance Payment rebate @ 1% is applicable if full advance payment of the current bill is made before the issue date of previous cycle bill on the amount consisting of Energy Charge plus fixed charges plus FPPCA. However, if the advance payment is not adequate as per current bill amount consisting of Energy Charge plus Fixed Charges plus FPPCA or payment is made after the issue date of previous cycle bill, such cases shall be treated for prompt payment rebate.
18. Prompt Payment Rebate: If payment is made at least 7 days in advance of the due date of payment, a rebate for prompt payment @ 0.25 % of the bill amount shall be given. Those consumers having arrears shall not be entitled for such rebate.
19. Power Factor Charges: LT and Agriculture Connection running without proper capacitors installed so as to maintain Power Factor of 0.85 as per the JERC Supply Code Regulations, 2018 and subsequent amendments thereof, shall be charged extra 2.5% of units consumed as additional power factor charges. Payment of the power factor charge won't exempt the consumer from his responsibility to maintain the power factor. The conditions for disconnection of a consumer supply in case of non-achievement of minimum level of power factor as prescribed in the Supply Code Regulations notified by the Hon'ble JERC, shall apply. DNHDDPDCL reserves the right to install a suitable capacitor at its own cost and recover the cost thereof as arrears of energy charges. In case the monthly average power factor is less than 0.70 lagging, the installation is liable for disconnection after due notice.
20. TOD Tariff: For the purpose of TOD Tariff, the peak/off-peak/normal hours and charges in respect of HT/EHT consumers for the corresponding period provided in the table as follows:

Time of Use	Demand Charges	Energy Charges
Normal period (6:00 a.m. to 6:00 p.m)	Normal Rate	Normal rate of energy Charges
Evening peak load period (6:00 p.m to 10.00 p.m)	Normal Rate	120% of normal rate of energy charges
Off-peak load period (10:00 p.m to 6:00 a.m)	Normal Rate	90% of normal rate of energy charges

Applicability and Terms and Conditions of TOD tariff:

- a) TOD tariff shall be optional unless otherwise specifically stated to the contrary in the Tariff Order.
 - b) The facility of aforesaid TOD tariff shall not be available to HT/EHT consumers having captive power plants and/or availing supply from other sources through wheeling of power.
 - c) In the event of applicability of TOD tariff to a consumer, all other terms and conditions of the applicable tariff shall continue to apply.
21. Statutory Levies: These tariffs are exclusive of Electricity Duty, Tax on sale of electricity, Taxes and other charges levied / may be levied or such other taxes as may be levied by the Government or other Competent Authorities on bulk/ retail supplies from time to time.
 22. The payment of power factor penalty does not exempt the consumer from taking steps to improve the power factor to the levels specified in the Regulations notified under the Electricity Act, 2003 and DNHDDPDCL shall be entitled to take any other action deemed necessary and authorized under the Act.
 23. The values of the 'K' factor applicable for the different consumer categories for use in the FPPCA formula shall be as specified in this Tariff Order.



RATES

1. RATE: DOMESTIC

This tariff schedule is applicable for supply of electricity to private houses, hostels, hospitals run on Non-commercial lines, Religious Institutions, Government Schools & associated facilities for Light, Fans, Radios, Domestic Heating and other household appliances including water pumps up to 2 HP:

1.1. FIXED CHARGE

For other than Lifeline consumers

(a)	A flat rate of	Rs. 10 per kW per month
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For Lifeline consumers

(a)	A flat rate of	Rs. 10 per kW per month
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1.2. ENERGY CHARGE

For other than Lifeline consumers

(i)	0-100 units	Rs. 1.60 per kWh
(ii)	101-200 units	Rs. 2.30 per kWh
(iii)	201-400 units	Rs. 2.80 per kWh
(iv)	401 units and above	Rs. 3.40 per kWh

For Lifeline consumers*

(i)	For all units	Rs. 1.00 per kWh
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* The concessional tariff is upto 2x40 Watts bulbs only.

2. RATE: COMMERCIAL

This tariff schedule shall apply to Shops, Offices, Restaurants, Bus Stations, Photo Studios, Laundries, Cinema Theatres, Industrial Lighting, Clubs and other Commercial installations. This includes all categories which are not covered by other tariff categories including Domestic Category, Lifeline Consumer, Industrial LT, Agriculture and Poultry, Public Lighting.

2.1. FIXED CHARGE

(a)	A flat rate of	Rs. 20 per kW per month
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2.2. ENERGY CHARGE

(i)	0-100 units	Rs. 3.35 per kWh
(ii)	101 units and above	Rs. 4.35 per kWh

3. RATE: AGRICULTURE

This tariff schedule shall apply to Agriculture or poultry loads up to 99 HP sanctioned load.

3.1. ENERGY CHARGE

(i)	Upto 10 HP	Rs. 0.90 per kWh
(ii)	Beyond 10 HP and Upto 99 HP	Rs. 1.30 per kWh

4. RATE: PUBLIC LIGHTING

This tariff schedule is applicable to lighting systems for illumination of public roads run by local authorities.

4.1. ENERGY CHARGE

(a)	For all units	Rs. 4.30 per kWh
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5. RATE: LT PUBLIC WATER WORKS

Applicable for supply of electricity to Water and Sewage Pumping Stations run by local authorities.

5.1. FIXED CHARGE

(a)	Upto 20 HP	Rs. 50 Per HP per month
(b)	Above 20 HP	Rs. 100 Per HP per month

5.2. ENERGY CHARGE

(a)	For all units	Rs. 4.50 per kWh
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6. RATE: LT INDUSTRIAL

This tariff schedule shall apply to all Low Tension Industrial Motive Power Connections including water works/pumps with sanctioned load up to 99 HP.

6.1. FIXED CHARGE

(a)	Upto 20 HP	Rs. 30 Per HP per month
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(b)	Above 20 HP	Rs. 80 Per HP per month
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6.2. ENERGY CHARGE

(i)	Upto 20 HP	Rs. 3.65 per kVAh
(ii)	Above 20 HP	Rs. 3.85 per kVAh

7. RATE: HT/ EHT

This tariff schedule shall apply to all consumers having Contract Demand above 100 kVA and not included in any other Tariff Category.

7.1. FIXED CHARGE

(a)	At 11 kV Supply	Rs. 400 per kVA per month
(b)	At 66 kV Supply	Rs. 525 per kVA per month
(c)	At 220 kV Supply	Rs. 575 per kVA per month

7.2. ENERGY CHARGE

(i)	At 11 kV Supply	Rs. 4.30 per kVAh
(ii)	At 66 kV Supply	Rs. 4.20 per kVAh
(iii)	At 220 kV Supply	Rs. 4.15 per kVAh

8. RATE: HOARDINGS

This tariff schedule shall apply for supply of electricity for lighting external advertisements, external hoardings and displays at departments stores, malls, multiplexes, theatres, clubs, hotels, bus shelters, Railway Stations, except such displays which are for the purpose of indicating / displaying the name and other details of the shop, commercial premises itself. Such use of electricity shall be covered under the prevailing tariff for such shops or commercial premises.

8.1. FIXED CHARGE

Fixed Charge per Installation	Rs. 110 per kVA per Month
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8.2. ENERGY CHARGE

A flat rate of	Rs. 7.00 per kWh
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9. RATE: Electric Vehicle (EV) Charging Stations

This tariff schedule shall apply to consumers that have set up Public Charging

Stations (PCS) in accordance with the technical norms/ standards/specifications laid down by the Ministry of Power, Gol and Central Electricity Authority (CEA) from time to time.

9.1. ENERGY CHARGE

(i)	LT Category	Rs. 5.10 per kVAh
(ii)	HT Category	Rs. 4.90 per kVAh

10. RATE: TEMPORARY

The Temporary Tariff is applicable for a temporary period of supply for a period of maximum one (1) year at a time, which may be further extended, as per the provisions of Supply Code Regulations.

Tariff for Temporary Connection shall be Fixed/ Demand charges (if any) plus energy charges (for relevant slab, if any) under corresponding permanent supply category plus 50% of both.

For multi activity pursuit, applicable Tariff for temporary connection shall be with reference to that of non-domestic category for permanent supply.

Annexure 2:
Schedule of Other Charges

The Joint Electricity Regulatory Commission for the State of Goa and UTs (Electricity Supply Code) Regulations, 2018 envisages other charges that are payable by an applicant to the distribution licensee for availing various services such as new connection, modification, name change, meter testing, etc.

These charges are proposed by the distribution licensee based on the trends of actual cost incurred during the current year and the principle of "user pays". It may also be noted that while determining these charges, the Petitioner has ensured consistency in charges for different services provided to the consumers across the entire UT.

Based on the above, DNHDDPDCL proposes the schedule of other charges as under for the approval of the Hon'ble Commission.

Description	Proposed Charges
Monthly Meter Rental Charges	
Single Phase LT meter	Rs. 10 per month or part thereof
Three Phase LT meter	Rs. 25 per month or part thereof
LT Meter with MD indicator	Rs. 200 per month or part thereof
Tri-vector Meter	Rs. 500 per month or part thereof
Note: The type of meters to be installed in consumer premises will be decided by the DNHDDPDCL. Generally, the consumers having connected load above 50 HP will be provided with L.T.M.D meters	
Reconnection Charges	
LT Services	
• Single Phase LT	Rs. 100/-
• Three Phase LT	Rs. 500/-
HT Services	Rs. 1500/-
Note: If the same consumer seeks reconnection within 12 months from the date of reconnection or disconnection, 50% will be added to above charges	
Testing Fee for Various Metering Equipments	
Single Phase	Rs. 200/-
Three Phase	Rs. 500/-



Description	Proposed Charges
Three Phase Tri-vector Meter (0.5 Class) Industrial LT Consumer	Rs. 1,000/-
Three Phase Tri-vector Meter (0.5 Class) 11 kV HT Consumer	Rs. 1,000/-
Three Phase Tri-vector Meter (0.2 Class) 66 KV EHT Consumers	Rs. 1,500/-
ABT meter 0.2 class-66 kV/11 kV Consumer	Rs. 3,000/-
Combined CT/PT Unit for 11 KV Consumer	Rs. 1,000/-
66 KV CT/ PT Unit	Rs. 1,000/-
Three Phase CT Block	Rs. 500/-
CT Coil	Rs. 500/-
Service Connection Charges	
Single Phase LT	Rs. 250/-
Three Phase LT	Rs. 1,000/-
HT (First 500 KVA)	Rs. 10,000/-
HT (Beyond 500 KVA)	Rs. 1,000/- per 100 KVA or part thereof
Extra Length - Single Phase	Rs. 50/- per meter
Extra Length - Three Phase	Rs. 100/- per meter
Extra length chargeable will be beyond the permissible 30 meters' free length from existing network for new connections for all categories except agriculture. Free length in respect of new agriculture consumer is 300 meters.	
Fees (Non-refundable) for submission of Test Report of wiring Completion	
Single Phase Lighting / Domestic	Rs. 20/- Per Test Report
Three Phase Lighting / Domestic	Rs. 50/- Per Test Report
Single Phase Lighting / Non Domestic	Rs. 100/- Per Test Report
Three Phase Lighting / Non Domestic	Rs. 200/- Per Test Report
Three Phase LT Industries	Rs. 500/- Per Test Report
Single Phase / Three phase Agriculture / Streetlight / Public Lighting & others	Rs. 100/- Per Test Report
HT upto 500 KVA	Rs. 2,000/- Per Test Report
HT upto 2500 KVA	Rs. 8,000/- Per Test Report
HT above 2500 KVA	Rs. 15,000/- Per Test Report
Registration for Change of Name	
1 Phase Domestic / commercial	Rs. 100/-
3 Phase Domestic / commercial	Rs. 200/-
LT Industries	Rs. 500/-



Description	Proposed Charges
HT	Rs. 1,000/-
EHV	Rs. 2,000/-
Shifting of meter	
1 Phase Domestic/ commercial	Rs. 100/-
3 Phase Domestic/ commercial	Rs. 200/-
LT Industries	Rs. 500/-



Annexure 3:
Tariff Filing Forms – Distribution

A handwritten signature in black ink, appearing to be 'D. S.', is located at the bottom center of the page.

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
 Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
 Energy Demand
 FY 2022-23

S. No	Category of Consumers	No of Consumers at the end of FY 2022-23 (Nos.)	Connected Load (KW)	Energy Sales (MUs)
1	2	3	4	5
1	Domestic	113,899	224,984	334.99
2	LIG/ Kutirjyoti	19,321	1,637	8.11
3	Commercial	16,731	70,447	86.19
4	Agriculture	2,669	12,310	7.95
5	LT Industry	4,243	281,937	459.39
6	HT/EHT Industry	1,675	1,701,405	8,567.86
7	Public Lighting	1,144	4,261	7.73
8	Public Water Work	633	6,115	7.91
9	Temporary Supply	391	2,727	7.40
10	Total	160,706	2,305,823	9,487.53

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
 Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
 Energy Demand
 FY 2023-24

S. No	Category of Consumers	No of Consumers at the end of FY 2023-24 (Nos.)	Connected Load (KW)	Energy Sales (MUs)
1	2	3	4	5
1	Domestic	118,474	230,158	373.08
2	LIG/ Kutirjyoti	20,349	1,684	8.97
3	Commercial	17,086	74,718	90.67
4	Agriculture	2,701	12,872	8.49
5	LT Industry	4,329	295,189	479.77
6	HT/EHT Industry	1,695	1,708,589	8,913.00
7	Public Lighting	1,187	4,301	7.96
8	Public Water Work	663	6,398	8.21
9	Temporary Supply	391	2,727	7.74
10	Total	166,875	2,336,636	9,897.89

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Information regarding AT&C Loss OF Licensee

S. No.	Particulars	Calculation	Unit	FY 2022-23	FY 2023-24
1	Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of DISCOM.	A	MU	21.91	21.91
2	Input energy (metered Import) received at interface points of DISCOM network.	B	MU	9,794.97	10,198.53
3	Input energy (metered Export) by the DISCOM at interface points of DISCOM network.	C	MU	-	-
4	Total energy available for sale within the licensed area to the consumers of the DISCOM	D=A+B-C	MU	9,816.88	10,220.44
5	Energy billed to metered consumers within the licensed area of the DISCOM	E	MU	9,487.55	9,897.87
6	Energy billed to unmetered consumers within the licensed area of the DISCOM	F	MU		
7	Total energy billed	G=E+F	MU	9,487.55	9,897.87
8	Amount billed to consumer within the licensed area of DISCOM.	H	Rs.	5,055.58	5,241.31
9	Amount realized by the DISCOM out of the amount Billed at H	I	Rs.	5,055.58	5,241.31
10	Collection efficiency (%) (= Revenue realized/ Amount billed)	J=(I/H)x100	%	100.00%	100.00%
11	Energy realized by the DISCOM	K=JxG	MU	9,487.55	9,897.87
12	Distribution loss (%)	L={({DG)/D}x100	%	3.35%	3.16%
13	AT&C Loss (%)	M={({DK)/D}x100	%	3.35%	3.16%

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24

ENERGY BALANCE

(all figures in Mus)

Sr. No.	Category of Consumer	FY 2022-23	FY 2023-24
1	2	3	4
A)	ENERGY REQUIREMENT		
1	Energy sales to metered category within the State/UT	9,487.55	9,897.87
2	Energy sales to Ummetered agriculture consumers		
3	Total sales within the State/UT	9,487.55	9,897.87
4	Sales to common pool consumers/ UI	-	-
5	Sales outside state/UT		
6	Sales to electricity traders & through PX	-	-
7	Sales to other distribution licensees a) Bilateral Trade b) Banking Arrangement		
8	Total sales	9,487.55	9,897.87
9	Distribution losses		
(i)	%	3.35%	3.16%
(ii)	MU	329.33	322.57
10	STU losses @1.25%	124.26	129.37
11	Total energy requirement	9,941.14	10,349.81
B)	ENERGY AVAILABILITY		
1	Net own generation	21.91	21.91
2	Net Purchase from Long Term Sources	9,207.94	9,207.94
3	Power Purchased from UI/ PX/ Short-Term	711.29	1,119.96
4	Net power purchase (1 +2 +3)	9,941.14	10,349.81
12	Total energy availability	9,941.14	10,349.81

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Power Purchase Cost
FY 2022-23

S. No	Source	Capacity	Firm Allocation to Licensee	Generation	PLF	Licensee's Share	Purchase	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Rebate	Credit for URS	Total Cost
		MW	MW	MU	%	%	MU	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore
A	NTPC Stations													
1	KSTPP 1&2	2100	103.75	15,450.43	90.00%	4.94%	763.30	145	49.49	110.94				160.43
2	KSTPS 3	500	28.63	3,715.34	90.00%	5.73%	212.79	138	28.01	29.43				57.44
3	VSTPP-I	1260	56.58	8,908.22	88.69%	4.49%	400.05	166	35.17	66.47				101.64
4	VSTPP-II	1000	42.80	7,322.51	88.69%	4.28%	313.39	158	20.90	49.63				70.53
5	VSTPP-III	1000	46.80	7,322.51	88.69%	4.68%	342.68	158	34.46	54.05				88.51
6	VSTPP-IV	1000	59.13	7,322.51	88.69%	5.91%	432.93	156	65.33	67.60				132.93
7	KGPP	656	112.27	2,167.11	40.00%	17.11%	370.78	364	69.62	135.10				204.72
8	GGPP	657	90.11	2,279.60	42.00%	13.71%	312.49	264	70.80	82.55				153.35
9	Sipat-I	1980	115.37	14,712.73	90.00%	5.83%	857.28	151	106.28	129.56				235.84
10	Sipat-II	1000	42.09	7,430.67	90.00%	4.21%	312.75	155	36.81	48.61				85.42
11	Mauda	1000	12.61	3,963.02	48.00%	1.26%	49.96	319	16.57	15.95				32.52
12	VSTPS-V	500	34.25	3,550.21	86.00%	6.85%	243.24	162	39.98	39.42				79.40
13	Mauda 2	1320	79.79	5,994.07	55.00%	6.04%	362.31	336	82.70	121.90				204.60
14	Solapur	1320	101.69	9,263.57	85.00%	7.70%	713.63	355	122.13	253.53				375.66
15	KHSTPP-II	1000	4.80	6,439.91	78.00%	2.66%	171.05	224	28.74	38.37				67.11
16	LARA	1600	96.59	11,228.57	85.00%	6.53%	732.67	236	130.14	173.21				303.35
17	Gadarvara	1600	115.36	11,228.57	85.00%	6.88%	772.14	292	155.17	225.38				380.55
18	KHTPP	1320	94.56	9,263.57	85.00%	5.46%	506.03	294	91.22	148.84				240.06
	Subtotal NTPC						7,869.47	228	1,183.52	1,790.54				2,974.06
B	NSPCL Bhilai	500	170.00	3,467.65	87.00%	34.00%	1,179.00	265	198.32	312.24				510.56
C	NPCIL													
1	KAPS	440	25.43	2,511.53	87.00%	5.78%	145.16	231	-	33.50				33.50
2	TAPS	1080	54.71	6,849.62	85.00%	5.07%	347.02	340	-	117.86				117.86
	Subtotal NPCIL	1,520	80.14	9,361.15		5.26%	492.18	308	-	151.36				151.36
D	RGPP	582	38.00	4,214.40	85.00%	0.41%	17.10	605	13.34	10.35				23.69
E	Power purchase from Other Sources													
1	Indian Energy Exchange/Bilateral						711.29	400	-	284.52				284.52
2	UI						-	-	-	-				-
3	Solar						21.91	628	-	13.77				13.77
4	Non Solar						-	-	-	-				-
5	Non Solar REC						-	-	-	-	133.37			133.37
	Subtotal						733.20	407	-	298.29	133.37			431.66
	Total Power Purchase						10,290.95	249	1,395.18	2,562.78	133.37			4,091.33
F	Other Charges													
1	PGCIL Charges										618.11			618.11
2	POSOCO/WRLDC Charges										1.17			1.17
3	Intra State Transmission Charges (Incl. Charges as per BPTAs with EDDD and DNHPDCL)										172.40			172.40
4	MSTCL										1.75			1.75
	Grand Total						10,290.95	249	1,395.18	2,562.78	926.80			4,884.76

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Power Purchase Cost
FY 2023-24

S. No	Source	Capacity		Generation	PLF	Licensee's Share	Purchase	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Rebate	Credit for URS	Total Cost
		MW	MW											
				MU	%	%	MU	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore
A	NTPC Stations													
1	KSTPP 1&2	2100	104	15,450.43	90%	4.94%	763.30	145	49.49	110.94				160.43
2	KSTPS 3	500	29	3,715.34	90%	5.73%	212.79	138	28.01	29.43				57.44
3	VSTPP-I	1260	57	8,908.22	89%	4.49%	400.05	166	35.17	66.47				101.64
4	VSTPP-II	1000	43	7,322.51	89%	4.28%	313.39	158	20.90	49.63				70.53
5	VSTPP- III	1000	47	7,322.51	89%	4.68%	342.68	158	34.46	54.05				88.51
6	VSTPP- IV	1000	59	7,322.51	89%	5.91%	432.93	156	65.33	67.60				132.93
7	KGPP	656	112	2,167.11	40%	17.11%	370.78	364	69.62	135.10				204.72
8	GGPP	657	90	2,279.60	42%	13.71%	312.49	264	70.80	82.55				153.35
9	Sipat-I	1980	115	14,712.73	90%	5.83%	857.28	151	106.28	129.56				235.84
10	Sipat-II	1000	42	7,430.67	90%	4.21%	312.75	155	36.81	48.61				85.42
11	Mauda	1000	13	3,963.02	48%	1.26%	49.96	319	16.57	15.95				32.52
12	VSTPS-V	500	34	3,550.21	86%	6.85%	243.24	162	39.98	39.42				79.40
13	Mauda 2	1320	80	5,994.07	55%	6.04%	362.31	336	82.70	121.90				204.60
14	Solapur	1320	102	9,263.57	85%	7.70%	713.63	355	122.13	253.53				375.66
15	KHSTPP-II	1000	5	6,439.91	78%	2.66%	171.05	224	28.74	38.37				67.11
16	LARA	1600	97	11,228.57	85%	6.53%	732.67	236	130.14	173.21				303.35
17	Gadarwara	1600	115	11,228.57	85%	6.88%	772.14	292	155.17	225.38				380.55
18	KHTPP	1320	95	9,263.57	85%	5.46%	506.03	294	91.22	148.84				240.06
	Subtotal NTPC						7,869.47	228	1,183.52	1,790.54				2,974.06
B	NSPCL Bhilai	500	170	3,467.65	87%	34.00%	1,179.00	265	198.32	312.24				510.56
C	NPCIL													
1	KAPS	440	25	2,511.53	87%	5.78%	145.16	231	-	33.50				33.50
2	TAPS	1080	55	6,849.62	85%	5.07%	347.02	340	-	117.86				117.86
	Subtotal NPCIL	1520	80.14	9,361.15		5.26%	492.18	308	-	151.36				151.36
D	RGPPL	582	38	4,214.40	85%	0.41%	17.10	605	13.34	10.35				23.69
E	Power purchase from Other Sources													
1	Indian Energy Exchange/Bilateral						1,119.96	400	-	447.99				447.99
2	UI						-	-	-	-				-
3	Solar						21.91	628	-	13.77				13.77
4	Non Solar						-	-	-	-				-
5	Non Solar REC						-	-	-	112.95				112.95
	Subtotal						1,141.87	404	-	461.76	112.95			574.71
	Total Power Purchase						10,699.62	255	1,395.18	2,726.25	112.95			4,234.38
F	Other Charges													
1	PGCIL Charges										646.30			646.30
2	POSOCO/WRLDC Charges										1.23			1.23
3	Intra State Transmission Charges (Incl. Charges as per BPTAs with EDDD and DNHPDCL)										168.06			168.06
4	MSTCL										1.75			1.75
	Grand Total						10,699.62	255	1,395.18	2,726.25	930.29			5,051.72

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Investment Plan (year-wise)

Project Details						Total capital expenditure approved/ to be approved by JERC (Rs. Cr.)	SOURCE OF FINANCING FOR SCHEME				
Name of scheme	Year of Start	Nature of Project (Select appropriate code from below)	Approved by the Commission* (YES/NO)	Project Start Date (DD-MM-YY)	Project Completion date (DD-MM-YY)		Equity component		Capital Subsidies / grants component	Consumer Contribution component	Actual Expenditure
1	2	3	4	5	6	7	8	9	10	11	12
33 kV Network											
220/33 KV SS for 33 KV network source	2022-23					-					
33/11 KV substation	2022-23					-					
33 KV Feeders	2022-23					-					
Sub-Total						-					
HT Network											
Normal Load Growth	2022-23					17.07					
Reliability, Renovation, Loss Reduction	2022-23					36.80					
Technological Upgradation	2022-23					3.22					
Safety	2022-23					8.37					
Sub-Total						65.46					
LT Network											
Normal Load Growth	2022-23					3.61					
Reliability, Renovation, Loss Reduction	2022-23					18.38					
Safety	2022-23					3.14					
Sub-Total						25.13					
Meter Management											
Normal Load Growth	2022-23					2.82					
Meter Replacements-(Smart Meter)/AMR&AMI	2022-23					8.42					
Sub-Total						11.24					
Supporting Infrastructure											
Customer Services	2022-23					0.50					
Power Supply Centers	2022-23					2.50					
IT & Related Infrastructure	2022-23					3.52					
Miscellaneous	2022-23					2.50					
Grand Total						114.17		30.29			
33 kV Network											
220/33 KV SS for 33 KV network source	2023-24					26.00					
33/11 KV substation	2023-24					30.00					
33 KV Feeders	2023-24					6.71					
Sub-Total						62.71					
HT Network											
Normal Load Growth	2023-24					80.91					
Reliability, Renovation, Loss Reduction	2023-24					62.82					
Technological Upgradation	2023-24					49.53					
Safety	2023-24					5.30					
Sub-Total						198.56					
LT Network											
Normal Load Growth	2023-24					5.87					
Reliability, Renovation, Loss Reduction	2023-24					65.55					
Safety	2023-24					3.50					
Sub-Total						74.92					
Meter Management											
Normal Load Growth	2023-24					3.70					
Meter Replacements-(Smart Meter)/AMR&AMI	2023-24					32.82					
Sub-Total						36.52					
Supporting Infrastructure											
Customer Services	2023-24					0.52					
Power Supply Centers	2023-24					154.55					
IT & Related Infrastructure	2023-24					2.66					
Miscellaneous	2023-24					3.00					
Grand Total						535.45		91.70			

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
 Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
 Capital Base and Return

(all figures in Crs)

Sr. No.	Category of Consumer	FY 2022-23	FY 2023-24
1	2	3	4
1	Gross block at beginning of the year	509.18	610.14
2	Less accumulated depreciation	0.00	17.64
3	Net block at beginning of the year	509.18	592.50
4	Less accumulated consumer contribution	0.00	0.00
5	Net fixed assets at beginning of the year	509.18	592.50
6	Reasonable return @3% of NFA	-	-



Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Original Cost of Fixed Assets

(Rs. Crores)

Sr. No.	Particulars Name of the Assets	Value of assets at the beginning of the FY 2022-23	Addition during the FY 2022-23	Closing balance at the end of FY 2022-23	Addition during FY 2023-24	Closing balance at the end of FY 2023-24
1	2	3	4	5	6	7
1	Plant & Machinery	371.80	44.26	416.06	106.90	522.96
2	Freehold Land	-	-	0.00	-	0.00
3	Building	-	3.11	3.11	3.90	7.00
4	Underground Cable	121.29	36.72	158.01	132.08	290.09
5	Meters	3.01	7.42	10.43	30.67	41.10
6	LED Street Light	11.08	-	11.08	-	11.08
7	Office Furniture and Fittings	-	3.50	3.50	3.33	6.83
8	I.T. Equipment and Software	-	5.95	5.95	27.81	33.75
9	Vehicles	1.99	-	1.99	1.00	2.99
10	Total	509.18	100.96	610.14	305.68	915.81

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Works-in-Progress

(Rs. in crores)

Sr. No.	Particulars	FY 2022-23	FY 2023-24
1	2	3	4
1	Opening balance	0.00	13.21
2	Add: New investments	114.17	535.45
3	Total	114.17	548.66
4	Less investment capitalized	100.96	305.68
5	Closing balance	13.21	242.99



Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Interest Capitalized

(Rs. in crores)

Sr. No.	Particulars	FY 2022-23	FY 2023-24
1	2	3	4
1	WIP*	NA	
2	GFA* at the end of the year		
3	WIP+GFA at the end of the year		
4	Interest(excluding interest on WCL*)		
5	Interest Capitalized		

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Details of loans for the year

(Rs. Crores)

Sr. No.	Particulars (Source)	Opening Balance	Rate of Interest	Addition during the year	Repayment during the year	Closing Balance	Amount of interest paid	
							Current year	Ensuing year
1	2	3	4	5	6	7	8	9
1	SLR Bonds							
2	Non SLR Bonds							
3	LIC							
4	REC							
5	Commercial Banks							
6	Bills discounting							
7	Lease rental							
8	PFC							
9	GPF							
10	CSS							
11	Working capital loan							
12	Others							
13	Total				N/A			
14	Add Govt. loan -State Govt. -Central Govt. Total							
15	Total (13+14)							
16	Less capitalization							
17	Net interest							
18	Add prior period							
19	Total interest							
20	Finance charges							
21	Total interest and finance charges							

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
 Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
 Information regarding restructuring of outstanding loans during the year

(Rs. Crores)

Sr. No.	Source of Loan	Amount of original loan (Rs. in crores)	Old rate of interest	Amount already restructured (Rs. in crores)	Revised rate of interest	Amount now being restructured (Rs. in crores)	New rate of interest
1	2	3	4	5	6	7	8
N/A							



Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Annual Revenue Requirement for the MYT Control Period FY 2022-23 to FY 2024-25
Value of Assets and Depreciation Charges

(Rs. Crores)

Sr. No.	Particulars Name of the Assets	Rate of depreciation*	Assets value at the beginning of FY 2022-23	Depreciation charges	Assets value at the beginning of FY 2023-24	Depreciation charges	Assets value at the end of FY 2023-24
1	2	3	4	5	6	7	8
1	Plant & Machinery	3.60%	371.80	11.96	416.06	14.61	522.96
2	Freehold Land	0.00%	-	-	-	-	-
3	Building	1.80%	-	0.03	3.11	0.09	7.00
4	Underground Cable	2.57%	121.29	3.59	158.01	5.76	290.09
5	Meters	9.00%	3.01	0.60	10.43	2.31	41.10
6	LED Street Light	6.00%	11.08	0.66	11.08	0.66	11.08
7	Office Furniture and Fittings	6.00%	-	0.11	3.50	0.31	6.83
8	I.T. Equipment and Software	15.00%	-	0.45	5.95	2.98	33.75
9	Vehicles	18.00%	1.99	0.25	1.99	0.13	2.99
10	Total		509.18	17.64	610.14	26.85	915.81

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Repair and Maintenance Expenses

(Rs. in crores)

Sr. No.	Particulars	FY 2022-23	FY 2023-24
1	2	3	4
1	Plant and Machinery		
	- 66 kV Sub-Station		
	- 33kV Sub-Station	14.57	16.81
	- 11kV Sub-Station		
	- Switchgear and cable connections		
	- Others		
2	Building	3.06	3.22
3	Civil Works		
4	Hydraulic Works	Incl. in Sr No. 1	
5	Lines, Cables, Networks etc.		
	- 66 kV Lines		
	- 33kV Lines	Incl. in Sr No. 1	
	- 11kV Lines		
	- LT Lines		
	- Others		
6	Vehicles	6.98	7.68
7	Furniture and Fixtures		
8	Office Equipments	0.17	0.19
9	Station Supplies		
10	Metering Equipments	Incl. in Sr No. 1	
11	Any Other Item	7.89	9.67
A	Gross R&M Expenses	32.68	37.57
B	R&M Expenses Capitalised		
12	Net R&M Expenses	32.68	37.57

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Total Number of Employees

Sr. No.	Particulars	FY 2022-23	FY 2023-24
1	Number of employees as on 1st April	815	864
2	Employees on deputation/ foreign service as on 1st April	-	-
3	Total number of employees (1+2)	815	864
4	Number of employees retired/retiring during the year	-	-
5	Number of employees added	49	66
6	Number of employees at the end of the year (3-4+5)	864	930



Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Employee Cost

(Rs. in crores)

Sr. No.	Particulars	FY 2022-23	FY 2023-24
A	Employee Cost (Other than covered in 'C'&'D')		
1	Salaries		
2	Dearness Allowance (DA)		
3	Other Allowances		
4	Interim Relief / Wage Revision	41.26	49.02
5	Overtime		
6	Bonus		
7	Generation Incentive		
8	Any Other Item (specify)		
	Sub Total	41.26	49.02
B	Other Costs		
1	Medical Expenses Reimbursement		
2	Travelling Allowance(Conveyance Allowance)		
3	Leave Travel Assistance		
4	Payment Under Workman's Compensation Act		
5	Electricity Concession to Employees		
6	Other Staff Welfare Expenses	3.51	3.48
7	Any Other Item (specify)		
	Sub Total	3.51	3.48
C	Apprentice and Other Training Expenses		
D	Contribution to Terminal Benefits		
1	Earned Leave Encashment	1.09	1.27
2	Provident Fund Contribution		
3	Provision for PF Fund		
4	Pension		
5	Gratuity	1.14	1.34
6	Ex-gratia		
7	Any Other Item (specify)		
	Sub Total	2.22	2.61
	Grand Total (A+B+C+D)	46.99	55.11
F	Employee Expenses Capitalized	6.06	21.17
	Net Employee Expenses (E)-(F)	40.93	33.95

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Administration and General Expenses

(Rs. in crores)

Sr. No.	Particulars	FY 2022-23	FY 2023-24
1	Fees to Auditors	0.50	0.55
2	Printing and Stationery Expenses	0.26	0.26
3	Travelling and Accommodation Expenses	0.24	0.26
4	Advertisement Expenses	1.42	1.65
5	Corporate Social Responsibility Expenses		
6	Telephone Expenses	0.65	1.37
7	Legal and Professional Charges	0.06	0.06
8	Bank Charges	0.03	0.03
9	Fees and Subscription Expenses	8.93	8.72
10	Other Expenses	9.09	11.18
11	Provision for Bad & Doubtful Debts		
	Grand Total (A To G)	21.18	24.09



Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Information regarding Bad and Doubtful Debts

Sr. No.	Particulars	FY 2022-23	FY 2023-24
1	2	3	4
1	Amount of receivable	5,055.58	5,241.31
2	Provision made for debts in ARR	-	-



Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Information regarding Working Capital for the current and ensuing year

Sr. No.	Particulars	Amount (in Crores Rs.)	
		FY 2022-23	FY 2023-24
1	2	3	4
1	O&M expense for one month	7.90	7.97
2	Maintenance spares at 40% of R&M for one month	1.09	1.25
3	Receivables for 2 months	842.60	873.55
4	Less: one month power purchase cost	407.06	420.98
5	Less: consumer security deposit but excluding Bank Guarantee/Fixed Deposit Receipt	184.22	189.22
6	Total Working Capital requirement	260.30	272.58

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
 Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
 Information regarding Foreign Exchange Rate Variation (FERV)

(Rs. in crores)

Sr. No.	Particulars	FY 2022-23	FY 2023-24
1	2	3	4
1	Amount of liability provided	NA	
2	Amount recovered		
3	Amount adjusted		



Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
 Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
 Non Tariff Income

(Rs. in crores)

Sr. No.	Particulars	FY 2022-23	FY 2023-24
1	2	3	4
		2022-23	2023-24
1	Hire of Meters	2.34	2.34
2	Miscellaneous Income	0.38	0.38
5	Other charges from consumers	0.95	0.95
6	Total Non Tariff Income	3.67	3.67



Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Information regarding Revenue from Other Business

(Rs. in crores)

Sr.No.	Particulars	FY 2022-23	FY 2023-24
1	2	3	4
1	Total revenue from other business		
2	Income from other business to be considered for licensed business as per regulations		NA

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Lease Details

Sr. No.	Name of Lesser	Gross Assets (Rs.in crores)	Lease entered on	Lease Rentals	Primary period ended/ ending by	Secondary period ending by
1	2	3	4	5	6	7
Not Applicable						

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Information regarding Wholesale Price Index (All Commodities)

Sr. No.	Period	WPI/CPI	Increase over previous year
1	2	3	4
1	Not Applicable		
2			
3			



Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Information regarding amount of equity and loan

(Rs. in crores)

Sr. No.	Period	Amount of equity	Amount of loan	Ratio of equity & loan
1	2	3	4	5
1	As on March 31 of Previous Year	NA		
2	As on March 31 of Current Year			
3	As on March 31 of Ensuing Year			



Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24

(Rs. in crores)

Sr. No.	Particular	FY 2022-23 Projected	FY 2023-24 Projected
1	2	3	4
1	Cost of power purchase	4,884.76	5,051.72
2	Employee costs	40.93	33.95
3	R&M expenses	32.68	37.57
4	Administration and General expenses	21.18	24.09
5	Depreciation	17.64	26.85
6	Interest charges (including interest on working capital)	37.01	47.30
7	Return on NFA / Equity	26.11	35.59
8	Provision for Bad Debt	-	-
9	Income Tax	-	-
10	Interest on security deposit	7.83	8.04
12	RPO provisioning to cover backlog of the previous years upto current year	-	-
13	Total revenue requirement	5,068.14	5,265.12
14	Less: non tariff income	3.67	3.67
15	Net revenue requirement (13-14)	5,064.47	5,261.45
16	Revenue from tariff	5,055.58	5,241.31
17	Revenue from UI	-	-
18	(Gap)/surplus (16+17-15)	(8.89)	(20.14)
19	Gap for previous year	-	(9.25)
20	Carrying cost	(0.36)	(1.55)
21	Total gap (18+19+20)	(9.25)	(30.94)
22	Revenue surplus carried over		
23	Carrying Cost		
24	Reduction in surplus @ Proposed Tariff		
25	Energy sales (MU)	9,487.53	9,897.89

Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited
Review of ARR of FY 2022-23 based on revised estimates and Determination of ARR for FY 2023-24
Revenue from Proposed Tariff

Sr. No.	Category	No. of consumers	Sales in MU	Fixed/Demand Rates	Tariff Rates (Rs./Kwh)	Contracted Max Demand in KW/KVA	Fixed/Demand Charges (Rs. Crore)	Energy Charges (Rs. Crore)	Total Revenues (Rs. Crore)
1	Domestic								
	0 to 50 units		68.73		1.60			11.00	11.00
	51 to 100 units		64.18		1.60			10.27	10.27
	101-200 units		67.70		2.30			15.57	15.57
	201-400 units		61.68		2.80			17.27	17.27
	401 and above		110.78		3.40			37.67	37.67
	Total Domestic	118,474	373.08	10		230,158	2.76	91.77	94.54
2	LIG/Kutir Jyoti	20,349	8.97	10	1.00	1,684	0.02	0.90	0.92
3	Non Domestic/Commercial								
	0 to 100 units		32.36		3.35			10.84	10.84
	101 units & above		66.05		4.35			28.73	28.73
	Total Commercial	17,477	98.41	20		77,445	1.86	39.57	41.43
4	Public Street Lighting	1,187	7.96		4.30	4,301		3.42	3.42
5	Public Water Works								
	Upto 20 HP		5.75	50	4.50	6,003	0.36	2.59	2.95
	Above 20 HP		2.46	100	4.50	2,573	0.31	1.11	1.42
	Total Public Water Works	663	8.21			8,576	0.67	3.69	4.36
6	Industrial								
a)	HT								
	Upto 11 kV Supply	735	3,867	400	4.30	823,730	395.39	1,663	2,058
	Above 11 kV to 66 kV Supply	486	2,556	525	4.20	544,470	343.02	1,074	1,417
	Above 66 kV to 220 kV Supply	473	2,489	575	4.15	530,232	365.86	1,033	1,399
	Total HT/EHT	1,695	8,913			1,898,432	1,104.27	3,770	4,874
b)	LT								
	Upto 20 HP		12.67	30	3.65	10,446	0.38	4.62	5.00
	Above 20 HP		467.10	80	3.85	385,249	36.98	179.84	216.82
	Total LT industrial	4,329	479.77			395,696	37.36	184.46	221.82
	Total HT + LT Industrial	6,024	9,393			2,294,128	1,142	3,954	5,096
7	Agriculture Consumption								
	0-10 HP		5.88		0.90			0.53	0.53
	Above 10 to 99 HP		2.61		1.30			0.34	0.34
	Total Agriculture	2,701	8.49			12,872		0.87	0.87
	Total Revenue Billed	166,875	9,898			2,629,164	1,147	4,094	5,241
8	FPPCA								
9	OA Charges								
10	Other Charges								
11	REC Charges								
12	UI								
13	Grand Total	166,875	9,898			2,629,164	1,147	4,094	5,241