Petition No.	
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DAMODAR VALLEY CORPORATION

TRANSMISSION & DISTRIBUTION

TRUE-UP PETITION FOR THE PERIOD FROM 01.04.2019 TO 31.03.2024

AND

PROVISIONAL TARIFF PETITION FOR THE PERIOD FROM 01.04.2024 TO 31.03.2029

BEFORE THE HONOURABLE CENTRAL ELECTRICITY REGULATORY COMMISSION

3RDAND 4THFLOOR, CHANDERLOK BUILDING, 36 JANPATH, NEW DELHI.

PETITION NO. OF 2024

IN THE MATTER OF:

Petition under Sections 62(1)(b) & 79(1)(d) of the Electricity Act, 2003 and Regulation - 86 of CERC (Conduct of Business) Regulations, 1999 and Regulations -10(1) and 13 of CERC Tariff Regulations' 2019 for truing up of capital expenditure for the tariff period 2019-24

AND IN THE MATTER OF:

Petition under Sections 62(1)(b) & 79(1)(d) of the Electricity Act, 2003 and Regulation - 86 of CERC (Conduct of Business) Regulations, 1999 and Regulations -10(1) and 12 of CERC Tariff Regulations' 2024 for the tariff period 2024 – 29

in respect of 'Non-ISTS 400 kV Transmission Lines carrying ISTS Power' [S/C LILO of 400 KV D/C Durgapur (PG) – Jamshedpur (PG) at DSTPS; S/C LILO of 400 KV D/C Maithon (PG) – Ranchi (PG) at RTPS, D/C 400 KV DSTPS – RTPS, D/C 400 KV RTPS – Ranchi (PG)]of Damodar Valley Corporation .

Damodar Valley Corporation	
DVC Towers, VIP Road, Kolkata	Petitione

Versus

- West Bengal State Electricity Distribution Company Limited. (Previously West Bengal State Electricity Board)
 Block `DJ'Sector-11, Salt Lake City,
 Kolkata – 700 091.
- Jharkhand BijliVitran Nigam Limited Previously Jharkhand State Electricity Board Engineering Building, HEC, Dhurwa, Ranchi-- 834 004.
- Punjab State Power Corporation Limited, (Erstwhile Punjab State Electricity Board) Interstate Billing, Shed No. TI-A), Patialia-147 001
- Kerala State Electricity Board Limited , 8th Floor, VidyuthiBhawan, Thiruvananthapuram–695 004



Haryana Power Purchase Centre
Representing Uttar Haryana Bijlee Vitaran Nigam
Limited and Dakshin Haryana Bijlee Vitaran Nigam
Sector 6, Shakti Bhawan, Panchkula, Haryana-134109

6.Bengaluru Electricity Supply Company Limited	l,
K.R.Circle, Bangalore-560001	
	Respondents



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BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION NEW DELHI

PETITION NO.

/TT / 2024

IN THE MATTER OF:- Petition Under Section 62 and 79 (1) (d) of the Electricity Act, 2003 read with Chapter-3, Regulation 13 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for truing up of annual fixed charges for the period 2019-24 in respect of Non-ISTS 400kV Transmission Lines carrying ISTS Power of Damodar Valley Corporation.

AND IN THE MATTER OF:-

Damodar Valley Corporation DVC Towers, VIP Road, Kolkata -700 054

..... Petitioner

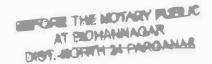
VERSUS

West Bengal State Electricity Distribution Company Limited. (Previously West Bengal State Electricity Board)
Block 'DJ', Sector-II, Salt Lake City,
Kolkata – 700 091.

Jharkhand Bijli Vitran Nigam Limited (Previously Jharkhand State Electricity Board) Engineering Building, HEC, Dhurwa, Ranchi - 834 004.

- Punjab State Power Corporation Ltd Interstate Billing, Shed No. TI -A, Patiala-147001
- Kerala State Electricity Board 8th Floor, Vydyuthi Bhawan Thiruvananthapuram–695004
- Haryana Power Purchase Centre (Erstwhile Haryana Power Generation Corporation Limited) Shakti Bhawan, Sector-6 Panchkula-134109
- 6. Bangalore Electricity Supply Company K.R. Circle, Bangalore-506001& Ors. Respondents





AFFIDAVIT VERIFYING THE PETITION

- I, Shri Samit Mandal, son of Sri Biman Mandal, aged 51 years, Senior General Manager (Commercial), residing at F-II/27, Kanishka Road, Post- Durgapur, DS Township, A-Zone, West Bengal do hereby solemnly affirm and state as follows:-
- 1. That the deponent is the Senior General Manager (Commercial) of Damodar Valley Corporation, the Petitioner, and is well conversant with the facts and the circumstances of the case and therefore competent to swear this Affidavit verifying the Petition.
- 2. That the accompanying Petition under Section 62 and 79(1)(d) of the Electricity Act, 2003, has been filed by my authorised representative/nominated counsel under my instruction and the contents of the same are true and correct to the best of my knowledge and belief.
- 3. That the contents of Para 1 to 22. of the facts as mentioned in the Petition are true and correct based on the my personal knowledge, belief and records maintained in the office and the contents of Para 1 to 22 of the Petition are believed to be true on the basis of the legal advice received.
- 4. That the annexures annexed to the Petition are correct and true copies of the respective originals.
- 5. That the Deponent has not filed any other Petition or Appeal before any other forum or court of law with respect to the subject matter of the dispute.

DEPONENT

VERIFICATION

Verified at Kolkata on this 25th day of November 2024 that the contents of my above noted Affidavit verifying the Petition are true and correct to my knowledge and no part of it is false and nothing material has been concealed therefrom.

UDHURI * NOTARY * GOVT, OF INDIA Regd, No.-6584/08 Bidhannagar Court Diet.-North 24 Pas. Identified by me

MANOJ BASU Enrolment No.-F-247/2006 Bidhan Nagar Court

BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION NEW DELHI

PETITION NO.

/TT / 2024

IN THE MATTER OF:- Petition Under Section 62 and 79 (1) (d) of the Electricity Act, 2003 read with Chapter-3, Regulation 9 (2) and 10 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for determination of tariff for the period 2024-29 in respect of Non-ISTS 400kV Transmission Lines carrying ISTS Power of Damodar Valley Corporation.

AND IN THE MATTER OF:-

Damodar Valley Corporation DVC Towers, VIP Road, Kolkata -700 054

..... Petitioner



VERSUS

- West Bengal State Electricity Distribution Company Limited. (Previously West Bengal State Electricity Board) Block 'DJ', Sector-II, Salt Lake City, Kolkata – 700 091.
- Jharkhand Bijli Vitran Nigam Limited (Previously Jharkhand State Electricity Board) Engineering Building, HEC, Dhurwa, Ranchi - 834 004.
- Punjab State Power Corporation Ltd Interstate Billing, Shed No. TI -A, Patiala-147001
- Kerala State Electricity Board 8th Floor, Vydyuthi Bhawan Thiruvananthapuram–695004
- Haryana Power Purchase Centre (Erstwhile Haryana Power Generation Corporation Limited) Shakti Bhawan, Sector-6 Panchkula-134109
- 6. Bangalore Electricity Supply Company
 K.R. Circle, Bangalore-506001

 & Ors. Respondents





AFFIDAVIT VERIFYING THE PETITION

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- 3. That the contents of Para 1 to 22 of the facts as mentioned in the Petition are true and correct based on the my personal knowledge, belief and records maintained in the office and the contents of Para 1 to 22 of the Petition are believed to be true on the basis of the legal advice received.
 - 4. That the annexures annexed to the Petition are correct and true copies of the respective originals.
 - 5. That the Deponent has not filed any other Petition or Appeal before any other forum or court of law with respect to the subject matter of the dispute.

DEPONENT

VERIFICATION

Verified at Kolkata on this 25 day of November 2024 that the contents of my above noted Affidavit verifying the Petition are true and correct to my knowledge and no part of it is false and nothing material has been concealed therefrom.

Identified

S. CHAUDHURI
* NOTARY *
60VT. OF INDIA
Regd. No.-6584168
Bidhannagar Court
Diet.-North 24 Pos.

25 NOV 2024

MANOJ BASU
Advocate
Enrolment No.-F-247/2006
Bidhan Nagar Court
Kolkata-700091





दामोदर घाटी निगम DAMODAR VALLEY CORPORATION

वाणिज्यिक विभाग / COMMERCIAL DEPARTMENT

DVC TOWERS: VIP ROAD, KOLKATA- 700054.

PHONE:033-23557931

No.Coml/Office Order/ 533

Dated: 2 8 SEP 2023

OFFICE ORDER

In terms of Serial No.19 of Delegation of Administrative Power of Commercial Department, 2018, following officers of the Commercial Department, DVC, Kolkata are henceforth authorized to sign all the documents and affidavits for submission to appropriate Regulatory Commissions, Appellate Tribunal, NCLT, NCLAT and any other Court of Law/Statutory Bodies including reply to draft regulations etc. and to act as an administrator as per requirement of Electricity Regulatory Commissions in the process of registration or e-filing:

- 1. Sbri Arun Patra, Senior General Manager (Commercial),
- 2. Shri Samit Mandal, General Manager(Commercial),
- 3. Shri Samrat Bhowmick, Deputy.General Manager(Commercial)
- 4. Shri Chandan Kumar, Senior Manager(Commercial),
- 5. Shri Prasenjit Mandal, Senior Manager(Commercial)

This Office Order will remain effective till any further order is issued in this regard. This Office Order supersedes earlier office order in this respect.

Executive Director(Commercial)

Disgtribution:

- All concerned officials.

Copy to:

- 1. The Executive Director (Operation), DVC Kolkata.
- 2. The Executive Director (System), DVC, Kolkata.
- 3. The Executive Director (Projects), DVC, Kolkata.
- 4. The Executive Director (Finance), DVC, Kolkata.
- 5. The Additional Secretary, DVC, Kolkata.
- 6. The Sr.PS to Chairman, DVC, Kolkata.
- 7. The Sr.PS to Member(Secretary), DVC, Kolkata.
- 8. The Sr.PS to Member(Tech), DVC, Kolkata.
- 9. The Sr.PS to Member(Finance), DVC, Kolkata.
- 10. The Sr.PS to Chief Vigilance Officer, DVC, Kolkata.





DAMODAR VALLEY CORPORATION **COMMERCIAL DEPARTMENT DVC TOWERS, VIP ROAD KOLKATA - 700054**

Phone: 033-23557931/6041 No. ED/Coml./Tariff/Copy Service/ (524 Fax: 033-2355 2129 Date:25.11.2024

Subject: Submission of True-up Tariff Petition for the period 2019-24 in respect of Non-ISTS 400kV Transmission Lines carrying ISTS Power of Damodar Valley Corporation before CERC.

Dear Sir,

As per CERC Tariff Regulation, 2024-29, DVC is going to submit the Truing-up Tariff Petition for the period 2019-24 in respect of the Non-ISTS 400kV Transmission Lines carrying ISTS Power of Damodar Valley Corporation.

One copy of the said Petition is enclosed herewith for your kind perusal.

Samit Mandal Yours faithfully,

Senior General Manager (Commercial) Damodar Valley Corporation.

> वरिष्ट महाप्रबंधक (वाणि.) Sr. General Manager (Coml.) डी.वी.सी., कोलकाता 54 DVC, Kolkata-54

Enclo.: As stated above.

Copy to:

1. West Bengal State Electricity Distribution Company Limited. (Previously West Bengal State Electricity Board) Block 'DJ', Sector-II, Salt Lake City, Kolkata - 700 091. E-mail: cereg.wbsedcl@gmail.com

2. Jharkhand Bijli Vitran Nigam Limited (Previously Jharkhand State Electricity Board) Engineering Building, HEC, Dhurwa, Ranchi - 834 004. E-mail: juvnldethi@gmail.com

3. Punjab State Power Corporation Ltd Interstate Billing, Shed No. TI -A, Patiala-147001 E-mail: seisbpspcl@gmail.com





DAMODAR VALLEY CORPORATION COMMERCIAL DEPARTMENT DVC TOWERS, VIP ROAD **KOLKATA - 700054**

Phone: 033-23557931/6041

Fax: 033-2355 2129

No. ED/Coml./Tariff/Copy Service/ 1505

Date: 2511.2024

Subject: Submission of Provisional Tariff Petition for the period 2024 - 29 in respect of Non-ISTS 400kV Transmission Lines carrying ISTS Power of Damodar Valley Corporation before CERC.

Dear Sir,

As per CERC Tariff Regulation, 2024-29, DVC is going to submit the Provisional Tariff Petition for the period 2024 - 29 in respect of the Non-ISTS 400kV Transmission Lines carrying ISTS Power of Damodar Valley Corporation.

One copy of the said Petition is enclosed herewith for your kind perusal.

Yours faithfully,

Samit Mandal

Senior General Manager (Commercial) Damodar Valley Corporation.

Enclo.: As stated above.

Copy to:

वरिष्ठ महाप्रबंधक (वाणि.) Sr. General Manager (Coml.) डी.वी.सी., कोलकाता-54 DVC, Kolkata-54

- West Bengal State Electricity Distribution Company Limited. (Previously West Bengal State Electricity Board) Block 'DJ', Sector-II, Salt Lake City, Kolkata - 700 091. E-mail: cereg.wbsedcl@gmail.com
- 2. Jharkhand Bijli Vitran Nigam Limited (Previously Jharkhand State Electricity Board) Engineering Building, HEC, Dhurwa, Ranchi - 834 004. E-mail: juvnldelhi@gmail.com
- 3. Punjab State Power Corporation Ltd Interstate Billing, Shed No. TI -A. Patiala-147001 E-mail: seisbpspcl@gmail.com



PETITION UNDER SECTIONS 62, 64 AND 79(1) ((d) OF THE ELECTRICITY ACT 2003 READ WITH THE APPLICABLE REGULATIONS NOTIFIED BY THE HON'BLE COMMISSION AND THE DVC ACT

MOST RESPECTFULLY SHOWETH:

- The Petitioner, Damodar Valley Corporation (hereinafter referred to as `DVC') is a statutory body constituted under the provisions of the Damodar Valley Corporation Act, 1948 (hereinafter referred to as the `DVC Act'), a Central Act and Special Legislation dealing with the development of Damodar Valley falling within the territories of the State of West Bengal and the State of Jharkhand (previously the combined State of Bihar before its reorganization under the Bihar Reorganization Act,2000).
- DVC has multifarious functions in the Damodar Valley. The activities of DVC are not restricted to generation, transmission and distribution & retail sale of electricity. DVC is also engaged in several activities, in terms of Section 12 of the DVC Act, 1948 and subsequent amendments thereafter, where no significant revenue accrues to DVC.
- 3) DVC is running various power stations, substations, and receiving stations situated at different locations in its operational area falls in the two contiguous states namely the states of West Bengal and Jharkhand (erstwhile Bihar). The transmission and Distribution network of DVC is interconnected at these power stations, substations, and receiving stations at different voltage levels.

PART-A: TRUE-UP PETITION FOR THE PERIOD 2019-24

- As per the decision taken in the 35th ERPC & TCC meeting DVC has filed a separate petition number 334/TT/2018 for determination of tariff in respect of 'Non-ISTS 400 kV Transmission Lines carrying ISTS Power' [(i)S/C LILO of 400 KV D/C Durgapur (PG) Jamshedpur (PG) at DSTPS; (ii) S/C LILO of 400 KV D/C Maithon (PG) Ranchi (PG) at RTPS, (iii) D/C 400 KV DSTPS RTPS, (iv) D/C 400 KV RTPS Ranchi (PG)] owned and operated by DVC. DVC has filed the above tariff petition based on the admitted capital cost as of 31.03.2014 and year-wise actual capital capitalization for the period from 01/04/2014 to 31/03/2017 for tariff determination for the period 2017-19.
- 5) Thereafter DVC filed Petition No 466/TT/2020 for Trueing-up of the 2017-19 Period and tariff determination for the 2019-24 period. Hon'ble Commission kindly issued an order on 28.02.2022



- 6) DVC submits that as per Tariff Regulation 2024, a True-up Tariff petition is to be filed within 30/11/2024.
 - Accordingly, DVC is filing this True-up petition complying with the timeline fixed by the Hon'ble Commission.
- 7) The additional capital expenditure as claimed and submitted by DVC during the 2019-24 period which is allowed by the Hon'ble Commission in petition no 466/TT/2020 in respect of 400 kV Transmission Lines are as below:

Name of Transmission Line	2019-20	2020- 21	2021-22	2022-23	2023- 24
Single Circuit LILO of 400 KV D/C Durgapur (PG) – Jamshedpur (PG) at DSTPS Twin Moose Conductor	-	-	-	-	1
Single Circuit LILO of 400 KV D/C Maithon (PG) – Ranchi(PG) at RTPS	-	-	-	1	-
Double Circuit 400 KV DSTPS - RTPS Twin Moose	-	-	-	-	-
Double Circuit 400 KV RTPS – Ranchi (PG) Quad Moose Conductor	100	300	400	-	-

8) DVC submits herewith the Petition the Form-7 filled-up based on the actual additional capital expenditure during the FY: 2019-24 period along with detailed justification for the kind consideration of the Hon'ble Commission. The details of the additional capitalization incurred against each lines are furnished as under:



Name of Transmission Line	2019- 20	2020- 21	2021-22	2022-23	2023- 24
Single Circuit LILO of 400 KV D/C Durgapur (PG) – Jamshedpur (PG) at DSTPS Twin Moose Conductor		-	-	1	ı
Single Circuit LILO of 400 KV D/C Maithon (PG) – Ranchi(PG) at RTPS	-	-	-	-	-
Double Circuit 400 KV DSTPS - RTPS Twin Moose	-	-	-	-	-
Double Circuit 400 KV RTPS – Ranchi (PG) Quad Moose Conductor	443.07	-	235.45	295.6	53.56

- 9) The certification of the Auditor reconciling the total capital cost of the entire T&D System with books of account vis-a-vis capital cost shown separately against 400 kV Transmission Lines are placed in **Annexure-**A.
- 10) DVC humbly submits to consider and allow additional capitalization and other costs as actually incurred by DVC for the period 2019-24 and as claimed as per the provision that exists within the Regulation as well as in the formats attached to the petition and also by providing necessary relaxation in terms of Regulation 76 and 77, wherever applicable and further by applying the provisions of Part IV of the DVC Act, 1948.
- 11) It is respectfully submitted that the Central Commission has already provided Regulation 72 as a special provision relating to Damodar Valley Corporation which shall apply for the determination of tariff of the projects owned by Damodar Valley Corporation. The tariff filing forms for this true up petition have been prepared following the above Regulations.



12) The tariff filing forms, as explained above, have been prepared and enclosed herewith as Annexure - B to Annexure - E.

13) Additional Claims (Refinance Cost and finance charge):

DVC humbly submits a claim against retaining savings against refinance costs and finance charges as per the provision within the Regulation. The claim is placed in **Appendix – 3 of** (Annexure – B to Annexure – E).

14) Annual Fixed Charge:

The Annual Fixed Charge as claimed by DVC in the instant true-up petition, for the period from FY 2019-20 to FY 2023-24 is furnished as under:

(Rs. In Lakh)

NAME OF THE 400 KV TRANSMISSION LINE -'NON-ISTS LINE' CARRYING 'ISTS POWER'	2019-20	2020- 21	2021-22	2022-23	2023-24
Single Circuit LILO of 400 KV D/C Durgapur (PG) – Jamshedpur (PG) at DSTPS Twin Moose Conductor	227.34	223.18	214.23	213.30	216.04
Single Circuit LILO of 400 KV D/C Maithon (PG) – Ranchi(PG) at RTPS	468.23	454.62	428.89	422.86	425.28
Double Circuit 400 KV DSTPS - RTPS Twin Moose	2774.45	2670.81	2492.46	2439.95	2437.79
Double Circuit 400 KV RTPS – Ranchi (PG) Quad Moose Conductor	8698.77	8407.86	7821.78	7688.01	7714.44

(PART-A consists of (i) Return on Equity, (ii) Depreciation, (iii) Interest on Loan, (iv) Normative O&M, and (v) Interest on working capital

PART-B consists of Refinancing and Finance charges)

Recovery of PART-B may be made irrespective of the availability of Element.



- 15) It is further submitted that levies, taxes, duties, RLDC Charges, service tax etc. that may be charged or levied by various authorities on DVC including fees paid by DVC to this Hon'ble Commission in this petition, shall be charged by DVC to the beneficiaries or consumers of electricity.
- 16) Filing fees for MYT tariff determination have already been paid for the years 2019-24 period as per the provisions of CERC (Payment of Fees), Regulation 2008 / 2012. Accordingly, no fee is payable along with this petition for revision of the tariff.

PART-B: TARIFF PETITION FOR THE PERIOD 2024-29

17) DVC is now filing the instant tariff petition for the 2024-29 period, based on the projected additional capital expenditure during the period from FY:2024-25 to FY:2028-29. The tariff filing Form-7 along with detailed justification has been filled up and submitted herewith for the kind consideration of the Hon'ble Commission. The details of the expenditure under additional capitalization proposed to be incurred years are furnished as under:

(Rs. In Lakh)

Projected Additional Capital Expenditure (Rs in Lakh) Claimed in this petition during the Tariff Period 2024-29							
Name of Transmission Line	2024-25	2025-26	2026-27	2027-28	2028-29		
Single Circuit LILO of 400 KV D/C Durgapur (PG) – Jamshedpur (PG) at DSTPS Twin Moose Conductor	-	-	-	-	-		
Single Circuit LILO of 400 KV D/C Maithon (PG) – Ranchi(PG) at RTPS	-	-	-	-	-		
Double Circuit 400 KV DSTPS - RTPS Twin Moose	-	-	-	-	-		
Double Circuit 400 KV RTPS – Ranchi (PG) Quad Moose Conductor	-	-	-	-	-		



- 18) It is respectfully submitted that the Central Commission has already provided Regulation 96 as a special provision relating to Damodar Valley Corporation which shall apply to the determination of tariff of the projects owned by Damodar Valley Corporation. The tariff filing forms for this petition have been prepared in accordance with the above Regulations.
- 19) In terms of the provisions of CERC (Terms and Conditions of Tariff) Regulations, 2024, the tariff filing forms, as explained above, have been prepared and enclosed herewith as (Annexure F to Annexure I).
- 20) Annual fixed charges (AFC) worked out for the period 01.04.2024 to 31.03.2029 based on the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2024, in respect of individual 400 kV Transmission Line wise which are declared as 'Non-ISTS Lines carrying ISTS Power' as under: (Refer Form-1 of Annexure F to Annexure I).

Single Circuit LILO of 400 KV D/C Durgapur (PG) – Jamshedpur (PG) at DSTPS Twin Moose Conductor						
S. no.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(a)	PART-A	192.46	191.35	190.43	189.69	189.15
(b)	PART-B	2.51	2.01	1.51	1.00	0.50
	Grand Total (a+b)	194.97	193.36	191.93	190.69	189.64



Single Circuit LILO of 400 KV D/C **Maithon (PG) – Ranchi(PG) at RTPS DSTPS** --- Twin Moose Conductor

S. no.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(a)	PART-A	389.22	381.67	374.31	367.16	360.23
(b)	PART-B	6.31	5.05	3.79	2.54	1.28
	Grand Total (a + b	395.54	386.73	378.11	369.70	361.51

(Rs. In Lakh)

Single Circuit LILO of 400 KV Double Circuit DSTPS - RTPS --- Twin Moose Conductor.

S. no.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
(a)	PART-A	2276.42	2209.03	2142.11	2075.70	2032.50
(b)	PART-B	33.86	25.22	16.6	7.9	1.8
	GrandTotal (a + b)	2310.29	2234.24	2158.68	2083.62	2034.30



Double	Double Circuit 400 KV RTPS - Ranchi (PG) Quad Moose Conductor						
S. no.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	
(a)	PART-A	7252.58	7019.97	6788.00	6556.77	6326.73	
(b)	PART-B	139.33	111.73	84.14	56.54	28.94	
	GrandTotal (a + b)	7391.91	7131.70	6872.14	6613.31	6355.67	

(PART-A consists of (i) Return on Equity, (ii) Depreciation , (iii) Interest on Loan, (iv) Normative O&M and (v) Interest on working capital

PART-B consists of Refinancing and Finance charges)

Recovery of PART-B may be made irrespective of availability of Element.

- 21) It is further submitted that levies, taxes, duties, RLDC Charges, service tax etc. that may be charged or levied by various authorities on DVC including fees paid by DVC to this Hon'ble Commission in this petition, shall be charged by DVC to the beneficiaries or consumers of electricity.
- 22) Filing fees for determination of tariff has already been paid for the years 2019 20 as per provisions of CERC (Payment of Fees), Regulation 2008 / 2012. Accordingly, no fee is payable along with this petition.



PRAYER

PART-A: TRUE-UP PETITION FOR THE PERIOD 2019-24

In the light of the above submissions, the petitioner respectfully prays before the Hon'ble Commission to:

- (a) Admit the present True-up Petition and determine the Capital cost, Debt, and Equity in respect of four nos. of 400 KV TRANSMISSION LINEs ('NON-ISTS LINE' CARRYING 'ISTS POWER') of DVC network for the period 01.04.2019 to 31.03.2024;
- (b) Determine the final tariff for the four nos. of 400 KV TRANSMISSION LINEs ('NON-ISTS LINE' CARRYING 'ISTS POWER') of the DVC network for the period 01.04.2019 to 31.03.2024 considering actual expenditure as furnished in the instant petition.
- (c) DVC craves leave to resubmit the claim along with additional information/data/document based on the decision of the Commission, if any is required;
- (d) Allow additional claim of DVC against cost of refinancing and finance charges a claimed in PART-B of the AFC;
- (e) Consider the capital and other costs as proposed by DVC in the petition as well as in the formats attached to the petition by providing necessary relaxation in terms of Regulation 76 and 77, wherever applicable and further by applying the provisions of Regulations 72 of Part IV of the DVC Act, 1948;
- (f) Allow DVC to recover shortfall or refund the levies, filing fees, taxes, duties, cess, charges, fees etc., if any, excess Annual Fixed Charges, on account of Return on Equity due to change in applicable Minimum Alternate/Corporate Income Tax rate as per Income Tax Act. 1961 (as amended from time to time) of the respective financial year directly without the need to make any further application before the Commission as provided under clause 31 of the Tariff Regulation 2019;
- (g) The Tariff for Transmission of Electricity (Annual Fixed Charges) as per para 14 of the petition, in accordance with Regulation 57 Central Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2019. These charges shall be recovered every month and the billing collection and disbursement shall be governed by provisions of Central Electricity Regulatory Commission (sharing of interstate Transmission Charges and Losses) Regulations;
- (h) In the circumstances mentioned above it will be just and proper that the transmission tariff for the assets covered under this petition be allowed to be recovered from beneficiaries by considering the tariff determined herein by this Hon'ble Commission or as deemed fit by Hon'ble Commission;



(i) Pass such further order or orders as this Hon'ble Commission may deem just and proper in the facts and circumstances of the case.

PART-B: TARIFF PETITION FOR THE PERIOD 2024-29

In the light of the above submissions, the petitioner respectfully prays before the Hon'ble Commission to:

- (a) Determine the tariff for the four nos. of 400 KV TRANSMISSION LINEs ('NON-ISTS LINE' CARRYING 'ISTS POWER') DVC network for the period 01.04.2024 to 31.03.2029 considering projected capital expenditure as furnished in the instant petition;
- (b) Allow additional claim of DVC against cost of refinancing and finance charges a claimed in PART-B of the AFC;
- (c) Consider the capital and other costs as proposed by DVC in the petition as well as in the formats attached to the petition by providing necessary relaxation in terms of Regulations 102 and 103, wherever applicable, and further by applying the provisions of Regulations 96 and Part IV of the DVC Act, 1948;
- (d) Allow DVC to recover shortfall or refund the levies, filing fees, taxes, duties, cess, charges, fees etc., if any, excess Annual Fixed Charges, on account of Return on Equity due to change in applicable Minimum Alternate/Corporate Income Tax rate as per Income Tax Act. 1961 (as amended from time to time) of the respective financial year directly without the need to make any further application before the Commission.
- (e) In the circumstances mentioned above it will be just and proper that the transmission tariff for the assets covered under this petition be allowed to be recovered from beneficiaries every month by considering the tariff determined herein by this Hon'ble Commission or as deemed fit by the Hon'ble Commission;
- (f) With effect from 1.11.2020, (after the repeal of the 2010 Sharing Regulations), sharing of transmission charges is governed by the 2020 Sharing Regulations. Accordingly, the transmission charges determined shall be recovered from the concerned DICs through Bills under Regulation 15(2)(b) of the 2020 Sharing Regulations following the provisions of respective Tariff Regulations and Sharing Regulations.
- (g) Pass such further order or orders as this Hon'ble Commission may deem just and proper in the facts and circumstances of the case.

PETITIONER

DAMODAR VALLEY CORPORATION

Kolkata

DATED:

.11.2024



BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION **NEW DELHI**

PETITION NO.

/TT / 2024

IN THE MATTER OF:- Petition Under Section 62 and 79 (1) (d) of the Electricity Act, 2003 read with Chapter-3, Regulation 13 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for truing up of annual fixed charges for the period 2019-24 in respect of Non-ISTS 400kV Transmission Lines carrying ISTS Power of Damodar Valley Corporation.

AND IN THE MATTER OF:-

Damodar Valley Corporation DVC Towers, VIP Road, Kolkata -700 054

..... Petitioner

VERSUS

- West Bengal State Electricity Distribution Company Limited. (Previously West Bengal State Electricity Board) Block 'DJ', Sector-II, Salt Lake City, Kolkata - 700 091.
- 2. Jharkhand Bijli Vitran Nigam Limited (Previously Jharkhand State Electricity Board) Engineering Building, HEC, Dhurwa, Ranchi - 834 004.
- 3. Punjab State Power Corporation Ltd Interstate Billing, Shed No. TI -A, Patiala-147001
- 4. Kerala State Electricity Board 8th Floor, Vydyuthi Bhawan Thiruvananthapuram-695004
- Haryana Power Purchase Centre (Erstwhile Haryana Power Generation Corporation Limited) Shakti Bhawan, Sector-6 Panchkula-134109
- 6. Bangalore Electricity Supply Company K.R. Circle, Bangalore-506001 & Ors. Respondents

2 5 NOV 2024



AT BIDHANNADAR DIGIT.-INCHIPM 24 PRINGARAS

AFFIDAVIT VERIFYING THE PETITION

- I, Shri Samit Mandal, son of Sri Biman Mandal, aged 51 years, Senior General Manager (Commercial), residing at F-II/27, Kanishka Road, Post- Durgapur, DS Township, A-Zone, West Bengal do hereby solemnly affirm and state as follows:-
- That I am the authorized representative of the Petitioner company and I am well conversant with the facts and the circumstances of the case and therefore competent to swear this Affidavit.
- 2. That I have read the contents of the accompanying Petition being filed by the Petitioner and have understood the same.
- 3. That the contents of the accompanying Petition being filed by the Petitioner are based on information available with the Petition in the normal course of business and believed by me to be true.

DEPONENT

VERIFICATION

I, the deponent above named, do hereby verify that the contents of the above affidavit are true and correct to the best of my knowledge and no part of it is false and nothing material has been concealed therefrom.

Verified at Kolkata on this 5 day of November, 2024

S. CHAUDHURI

* NOTARY *

GOVT. OF INDIA

Regd. No.-6584/68

Bidhannagar Court

blet.-North 24 Pgs.

DEPONENT

Identified by nac

Advocate

2 5 NOV 2024



BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION NEW DELHI

PETITION NO.

/TT / 2024

IN THE MATTER OF:- Petition Under Section 62 and 79 (1) (d) of the Electricity Act, 2003 read with Chapter-3, Regulation 9 (2) and 10 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for determination of tariff for the period 2024-29 in respect of Non-ISTS 400kV Transmission Lines carrying ISTS Power of Damodar Valley Corporation.

AND IN THE MATTER OF:-

Damodar Valley Corporation DVC Towers, VIP Road, Kolkata -700 054

..... Petitioner



VERSUS

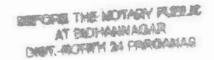
West Bengal State Electricity Distribution Company Limited. (Previously West Bengal State Electricity Board)
Block 'DJ', Sector-II, Salt Lake City,
Kolkata – 700 091.

- Jharkhand Bijli Vitran Nigam Limited (Previously Jharkhand State Electricity Board) Engineering Building, HEC, Dhurwa, Ranchi - 834 004.
- Punjab State Power Corporation Ltd Interstate Billing, Shed No. TI -A, Patiala-147001
- Kerala State Electricity Board 8th Floor, Vydyuthi Bhawan Thiruvananthapuram–695004
- Haryana Power Purchase Centre (Erstwhile Haryana Power Generation Corporation Limited) Shakti Bhawan, Sector-6 Panchkula-134109
- Bangalore Electricity Supply Company K.R. Circle, Bangalore-506001
 Ors.

..... Respondents







AFFIDAVIT VERIFYING THE PETITION

- I, Shri Samit Mandal, son of Sri Biman Mandal, aged 51 years, Senior General Manager (Commercial), residing at F-II/27, Kanishka Road, Post- Durgapur, DS Township, A-Zone, West Bengal do hereby solemnly affirm and state as follows:-
- That I am the authorized representative of the Petitioner company and I am well conversant with the facts and the circumstances of the case and therefore competent to swear this Affidavit.
- 2. That I have read the contents of the accompanying Petition being filed by the Petitioner and have understood the same.
- 3. That the contents of the accompanying Petition being filed by the Petitioner are based on information available with the Petition in the normal course of business and believed by me to be true.

DEPONENT

VERIFICATION

I, the deponent above named, do hereby verify that the contents of the above affidavit are true and correct to the best of my knowledge and no part of it is false and nothing material has been concealed therefrom.

Verified at Kolkata on this ~5/Kday of November, 2024

S. CHAUDHURI
NOTARY
GOVT. OF INDIA
Regd. No.-6584/66
Bidhennagar Court
Diet.-North 24 Pgs.

? 5 NOV 2024

DEPONENT

Identified by me

Down

MANOJ BAS Advod Enrolment No.-F-247/2 Bidhan Nagar Court

Kolkata-700091

ANNEXURE - A



ARIJIT GHOSH & CO.

Chartered Accountants

H.O.- AE-601, Sec.- I, Salt Lake, Kolkata- 700 064. City Office: 65A, Satish Mukherjee Road, 2nd Floor, Kolkata- 700 026.

Ph. (033) 2334-4818/4060-5207 Mobile No. 9830778711 Email – arijitghosh_co@yahoo.com

AUDITORS' CERTIFICATE

We have verified the attached statements showing to the effect that all assets under gross block claimed for the purpose of tariff as on 31.03.2024 are in use for generation of power.

We are also gone through data for audited Balance Sheet and Statement of Profit & Loss Account (Audited by Comptroller & Auditor General of India). Books of Accounts, EBA (Enterprise Business Application). Vouchers and such others papers as are necessary for the purpose of our audit.

The statement of Gross Fixed Assets & Depreciation for Transmission & Distribution (T & D) of Damodar Valley Corporation (DVC) for the period 01.04.2019 to 31.03.2024 is attached below. (Appendix-III)

We certify the above figures as correct.

Place : Kolkata

Dated: November 21, 2024

For and on behalf of M/s. Arijit Ghosh & Co.

(Chartered Accountant)

UDIN: 24051673BKEJOC2548



GI TO BROCK					-	-
	Gross Block as	Gross Block as	Gross Block	Gross Block	Gross Block	Gross Block
Particulars	(Ris.)	on 31.03,2020 (Rs.)	31.03.2021 (Rs.)	31.03.2022 (Rs.)	31.03.2023 (Rs.)	31.03.2024 (Rs.)
Land & Land Rights	2418.42	2640.19	2903.55	2354.76	4895,38	2679.74
Buildings	2479.42	2524,09	2643.07	2643.27	2643.07	2644.14
Donn's Bridges & Railway Sidings	20.38	20.38	20.38	20.38	20.38	20.38
Power House Plant & machinery	20.75	4673.26	15594.45	15638.74	15401,69	15379.10
Machinery & Equipment-Workshop (FA)	0.75	0.75	0.75	0.75	0.75	0.75
Substation Equipment	125273.99	127507.67	133338.28	138931.97	164451.25	183203.44
Switch Gear	70.16	139.61	139,61	139.61	139.61	139.61
Tower Poles & Fixtures	1,30852,32	134906.30	138846.81	148296.70	191815.61	199409.65
Construction Equipment	4.70	4.70	4.70	4.70	4.70	4.70
Other Assets	1603.78	1627.67	1683,98	1800.40	2183.91	2253.84
Assets Held for Disposal (FA)	0.00	0.00	0.00	0.00	0.00	132.56
Expenses Pending Allocation	0.58	0.58	0.58	0.58	0.58	0.54
Total: Tangible Assets	262745.23	274045.20	295176.15	309831.85	381556,93	405868.45
Total : Intangible Assets	,	23.17	23.17	23.17	23.17	23.17
Grand Total: Tangible &						
Intangible Assets	262745.23	274068.37	295199.32	309855.02	381580.10	405891.62

	15657.71	15603.46	15070.20	Assets	405891.62	31580,10
,				Grand Total : Tangible & Intangible		
	7.72	7.72	7.72	Total : Intangible Assets	23.17	23.17
_	15649.99	15595.73	15062.48	Total: Tangible Assets	405868.45	31556,93
				Expenses Pending Allocation	0.54	0.58
		r		Assets Held for Disposal (FA)	132.56	0.00
	43.29	37.56	147.59	Other Assets	2253.84	2183.91
	1.		,	Construction Equipment	4.70	4.70
_	8244.56	8391,43	8073.60	Tower Poles & Fixtures	199409.65	1815.61
	3.65	3.65	4.11	Switch Gear	139.61	139.61
	7000.48	6698.77	6604.62	Substation Equipment	183203.44	3445125
				Machinery & Equipment-Workshop (FA)	0.75	0.75
	289.77	397.54	165.55	Power House Plant & machinery	15379.10	5401.69
	0.25	0.32	0.32	Roads Bridges & Railway Sidings	20.38	20.38
-	67.99	66.45	66.70	Buildings	2644.14	2643,07
		1		Land & Land Rights	2679.74	4895,38
2022-	2021-22	2020-21	2019-20	Particulars	31,03.2024 (Rs.)	on 3.2023
	year	Depreciation during the year	Depr			







ARIJIT GHOSH & CO.

Chartered Accountants

H.O.- AE-601, Sec.- I, Salt Lake, Kolkata- 700 064. City Office: 65A, Satish Mukherjee Road, 2nd Floor,

Kolkata- 700 026.

Ph. (033) 2334-4818/4060-5207 Mobile No. 9830778711 Email – arijitghosh_co@yahoo.com

AUDITORS' CERTIFICATE

We have verified the attached statements (Appendix- II, IIA, IIB, IIC & IID) showing capital cost as already allowed by the Central Electricity Regulatory Commission as on 31.03.2019 as well as actual additional capital expenditure during 2019-24 of all Thermal Powers Stations, all Hydel Power Stations, Transmission & Distribution Network and common offices of Damodar Valley Corporation (DVC), DVC Towers, VIP Road, Kolkata- 700 054 with Tariff Orders issued by Central Electricity Regulatory Commission (CERC), the audited Balance Sheets, Tariff Petitions, Books of Accounts, EBA (Enterprise Business Application) vouchers and such other papers as are necessary for the purpose of our audit, forming capital cost as on 31.03.2024.

Based on the above, all the figures as shown in the attached statements in connection with filling of true-up tariff petition for trueing-up of actual expenditures for the tariff period 2019-24 before Central Electricity Regulatory

Commission (CERC), are summarized below:

SI.No.	Particulars	Appendix Ref.	Total Capital Cost	Total Capital Cost
			as on 01.04.2019	as on 31.03.2024
			(Rs. In Lakhs)	(Rs. In Lakhs)
1.a	Capital Cost as on 31.03.2024 of all	Appendix-II	3472259.40	3904884.48
	Stations (Except Common Offices)			
1b.	Capital Cost of Common Offices as on	Appendix- II	12312.06	16244.23
	31.03.2024			
1 b(i).	Direction office as on 31.03.2024 including	Appendix- IIA	2460.59	2577.24
	R & D			
1 b(ii)	Central office as on 31.03.2024 & IT	Appendix- IIB	7462.50	10916.52
	Software & Data Centre			1
1 b (ii)	Other office as on 31.03.2024 including	Appendix- IIC	1375.05	1764.12
	CRITL, CRITM, CSO, CLD			
1.b (iv)	Subsidiary activities as on 31.03.2024	Appendix- IID	1013.91	986.35

We certify the above facts and figures are true & correct.

Place: Kolkata

Dated: November 21, 2024

For and on behalf of

M/s. Arijit Ghosh & Co

(Chartered Accountant) Membership No. 051673 Firm Regn. No. 314122E

UDIN: 24051673BKEJOF5294



Appendix-II

Opening Capital Cost as allowed by CERC as on 01.04.2019 and Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts of all Thermal Power Stations,
Hydel Power Stations and Transmission & Distribution-Network (T&D) of DVC for tariff petition for the tariff period 2019-24

A. Copening Capital Copital Co				100 K		1		i Ciai	G
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Closeling Engrey(-1) Cost as on of 1,04,2019 as allowed by CERC 2019-20 2020-21 2021-22 2022-23 2023-24 21,000 2019-2	3940049.87	127059.57	133318.22	54814,41	107710.71	24526.56	3492620.40	Tofal	
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019;24 as per Annual Accounts Closeling Capital Errograms Closeling Capital Errograms Closeling Capital Expenditure incurred during 2019;24 as per Annual Accounts Closeling Capital Expenditure incurred during 2019;24 as per Annual Accounts Closeling Capital Expenditure incurred during 2019;24 as per Annual Accounts Closeling Capital Expenditure incurred during 2019;24 as per Annual Accounts Closeling Capital Cap				- Called					
Particulars	18921.16	10855.72	5.88	6.29	-5.28	9.61	8048.94	DVC Dams	П
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Costs as on O14-2019 as allowed by CERC 2019-20 2020-21 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 202	16244.23	231.15	637.76	369.12	215.95	2478.19	12312.06	Total Common Office Expenses	
Particulars Opening Capital Costs as on of 10.4 Additional Capital Expenditure Incurred during 2019-24 as per Annual Accounts Costs of 10.4 Advis as a lalowed by CERC 2019-20 2020-21 2021-22 2022-23 2023-24 21.0 21.	986.34	0.97	-22.14	-6.40	0.00	0.00	1013.91	SUBSIDIARY ACTIVITIES	
Particulars Opening Capital Capital Capital Capital Exponditure Incurred during 2019-24 as per Annual Accounts Cost as on of OLOA,2019 as allowed by CERC 2019-20 2020-21 2021-22 2022-23 2023-24 2019-20 2020-21 2020-21 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2022-23 2023-24 2021-22 2023-24 2023-2	1764.12	13.60	171.33	132.43	78.86	-7.15	1375.05	OTHER OFFICES	C
Particulars	10916.53	212.51	463.08	219.08	81.41	2477.94	7462.50	CENTRAL OFFICE	9
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts of 1.0 closed as on 1	2577.25	4.07	25.49	24.01	55.68	7.40	2460.60	DIRECTION OFFICE	
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as on								Common Office Expenses	
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as on								- Francisco de la companya de la com	
Particulars Opening Capital Cost as on 0.104.2019 as an 1.0054 cost as on 0.1054 cost as on 0.1054 cost as on 0.1055 cost	3904884.48	115972.6989	132674.581	54439	107500.04	22038.76	3472259.40	Total (A+B+C)	
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as on 01.04.2019 as 2019-20 2020-21 2021-22 2022-23 2023-24 2023-2	387516.37	24319.49	71725.08	14655.69	21130.96	11299.97	244385.18	Transmission & Distribution-Network (T&D)	C
Particulars Opening Capital Actual Additional Expenditure incurred during 2019-24 as per Annual Accounts Closing C Cost as on 01,04,079 as as								Total Hydron Compression	5
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as on Out.04.2019 as 2029-24 2022-23 2023-24 2023-	12681.291	34.57	410.961	9.7	107.72	282.21	11836.13	Total Hydel Power Stations	B
Particulars Opening Capital Expenditure incurred during 2019-24 as per Annual Accounts Cosing Capital Capi	269.771	0.58	1.631	0	0	0	267.56	SHI	
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Closing Cost as on 1 Closing Cost a	5872.8	2.31	380.35	4.01	0	282.21	5203.92	PHS	
Particulars Opening Capital Cost as on Other Cost as on Othe	6538.72	31.68	28.98	5.69	107.72	0	6364.65	MHS	
Particulars Opening Capital Cost as on Office of	0							Hydel Power Stations	
Particulars Opening Capital Cost as on 01.04.2019 as allowed by CERC Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as on 01.04.2019 as allowed by CERC Cost as on 01.04.2019 as allowed by CERC 2019-20 2020-21 2021-22 2022-23 2023-24 31.03.2 BTPS(1-3) 36061.87 0 -5160.38 0 0 -15234.06 15 DTPS #4 19713.82 -3573.75 67.85 372.57 -6511.66 -5934.94 4 MTPS(1-3) 162434.95 72346.67 7200.21 3521.63 3058.61 13875.05 85073.34894 1070 MTPS(3-3) 17553.64 15530.47 7200.21 3521.63 3058.61 13875.05 85073.34894 1070 MTPS(3-3) 17553.64 13875.05 85073.34894 1070 <	33,04,000.02	91,010.04	00000.04	39773.01	00201.30	10450.50	3210030.09	Total Thermal Power Stations	A
Particulars Opening Capital Cost as on Cost as on O1.04.2019 as allowed by CERC Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as O1.04.2019 as allowed by CERC Cost as on O1.04.2019 as allowed by CERC 2019-20 2020-21 2021-22 2022-23 2023-24 Cost as O1.03.20 1.	35 04 686 83	00/0.49	17000.71	10010.42	0007700	1110.90	241740.79	RIPS #1&2	12
Particulars Opening Capital Cost as on 01.04.2019 as allowed by CERC Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts 01.04.2019 as allowed by CERC Closing Cost as on 01.04.2019 as allowed by CERC Cost as on 01.04.2019 as allowed by CERC 2019-20 2020-21 2021-22 2022-23 2023-24 Cost as 31.03.2 BTPS (1-3) 38061.87 0 -5160.38 0 0 -15234.06 15 BTPS (1-3) 14555.82 0 9775.25 0 -4067.31 0 -15234.06 15 MTPS(1-3) 162434.95 162434.95 -3573.75 67.85 372.57 -6511.66 -5934.94 4 MTPS(1-3) 172346.67 7200.21 3521.63 3058.61 13875.05 85073.34894 1070 MTPS(4-3) 215330.47 7200.21 3521.63 3058.61 13875.05 85073.34894 1070 MTPS(4-3) 253384.1 1346.62 528.68 1048.3 7315.8 85073.34894 1070 MTPS(4-8) 553584.1 5585.96 3246.50 3246.50 3588.55	665072 42	2676.70	17055 74	15016.75	20,0770	1410.00	E41740 70	7-70#-02	
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as on	587766 03	6078 44	25820 56	2030 11	2448 70	1210 65	550050 48	NT-10 #400	4
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as on	547116	1903.06	3588.55	2377.56	3266.77	595,95	535384.11	DSTPS #1&2	î
Particulars Opening Capital Cost as on O1.04.2019 as BTPS(1-3) Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as on O1.04.2019 as allowed by CERC Cost as on O1.04.2019 as allowed by CERC 2019-20 2020-21 2021-22 2022-23 2023-24 31.03.2 BTPS(1-3) 36061.87 0 -5160.38 0 -15234.06 15 CTPS(1-3) 14555.82 0 -9775.25 0 -4067.31 0 -15234.06 15 DTPS #4 19713.82 -3573.75 67.85 372.57 -6511.66 -5934.94 4 MTPS346 12530.47 7200.21 3521.63 3058.61 13875.05 85073.34894 10770	240444.17	5330.77	7315.8	1048.3	528.68	1856.62	224364.00	CTPS#7&8	9
Particulars Opening Capital Cost as on Cost as on D1.04.2019 as BTPS(1.3) Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as allowed by CERC Closing Capital Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as 20.24 as							513995.01	MTPS7&8	8
Particulars Opening Capital Cost as on On.04.2019 as allowed by CERC Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as 31.03.2 Closing Cost as on 01.04.2019 as 2019-20 Cost as on 01.04.2019 as 2019-20 Cost as 31.03.2 Cost as 31.	(II)						215530.47	MTPS5&6	
Particulars Opening Capital Cost as on Unity Official Cost as Official C	1077035.949	85073.34894	13875.05	3058.61	3521 63	7200 21	72346.67	MTPS#4	*
Particulars Opening Capital Cost as on Official Cost as Offic							162434.95	MTPS(1-3)	5
Particulars Opening Capital Cost as on Official Cost as Offic	4133.89	-5934.94	-6511.66	372.57	67.85	-3573.75	19713.82	DTPS #4	4
Particulars Opening Capital Cost as on O1.04.2019 as a per Annual Accounts Cost as on O1.04.2019 as allowed by CERC Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as Cost as 31.03.2 Closing C Cost as O1.04.2019 as O1.04.2	713.26	0;	-4067.31	0	-9775.25	0	14555.82	CTPS(1-3)	ω
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost	366737.67	5725.53	3452.84	15070.04	10691.22	1946.94	329851.1	ASALB	2
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Closing	15667.43	-15234.06	0	0	-5160.38	0	36061.87	BTPS(1-3)	_1
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as on 01.04.2019 as allowed by CERC 2019-20 2020-21 2021-22 2022-23 2023-24								Thermal Power Stations	
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts Cost as on 01.04.2019 as		2023-24	2022-23	2021-22	2020-21	2019-20	allowed by CERC	56	
Particulars Opening Capital Actual Additional Capital Expenditure incurred during 2019-24 as per Annual Accounts	Cost as on 31.03.2024						Cost as on 01.04.2019 as		
	losing Capital	_	019-24 as per Ann	re incurred during 2	Capital Expenditu	Actual Additional	Opening Capital	Particulars	ON IS





Appendix-II (A)

Opening Balance as on 01.04.19 & Year wise Additional Capitalisation during 2019-24
Damodar Valley Corporation -Direction Office (including R&D)
(Amounts in Rs.)

	Balance as on 31-	Add Cap.	Balance as on 31- Add Cap, during	Add Cap. during	Balance as on 31-	Add Cap.	Balance as on 31- Add Cap. during	Add Cap, during	Balance as on 31- Add Cap, during		Balance as on 31-
	03-2019	0	03-2020	20-21	03-2021	during 21-22	03-2022	22-23	03-2023		03-2024
Land & Land Rights (FA)	602183.27		602183.27		602183.27		602183.27		602183.27	1.9	602183,27
Buildings (FA)	13562783.11		13562783.11		13562783.11		13562783.11		13562783.11	1,000	13562783.11
Road Culverts & Rly. Sidings (FA)	0.00		0.00	**	0.00		0.00		0.00.		0.00
Dam and Spillway (FA)	0.00		0.00		0.00		0.00		0.00		0,00
Barrage, Gates & Others (FA)	0.00		0.00		0.00		0.00		0.00		0.00
Requiators, Lock Falls Etc.(FA)	0.00		0.00		0.00		0.00		0.00		0.00
Canals & Service Roads (FA)	0.00		0.00		0.00		0.00		0.00		0.00
Power House Plant & Machinery (FA)	4426790.00		4426790.00		4426790,00		4426790.00		4426790.00		4426790.00
Plant & Machinery-Hydel (FA)	0.00		0.00		0.00		0.00		0.00		0.00
Plant & Machinery(Mining & Ropeway) (FA)	0.00		0.00		0.00		0.00		0.00		0.00
Machinery & Equipment-Workshop (FA)	0.00	377	0.00		0.00		0.00		0.00		0.00
Sub Station Equip (FA)	0.00		0.00		0.00		0.00		0.00		0.00
Switch Gear (FA)	0.00		0.00		0.00		0.00		0.00		0.00
Tower Poles & Fixtures(FA)	0.00		0.00		0.00		0.00		0.00		0.00
Construction Equipment (FA)	0.00		0.00		0.00		0.00		0.00	9.	0.00
Other Assets (FA)	224399597.14	739880.79	225139477.93	5568085.35	230707563.28	2400974.55	233108537.83	2548995.00	235657532.83	406555.85	236064088.68
Fixed Assets in Operation (Expenditure pending allocation)	0,00		0.00		0.00		0.00		0.00		0.00
Total:	242991353.52	739880.79	243731234.31	5568085.35	249299319.66	2400974.55	251700294.21	2548995.00	254249289.21	406555.85	254655845.06
Assets Held for Disposal (FA)	3068462.00	33	3068462.00		3068462.00		3068462.00		3068462.00		3068462.00
Grand Total (including Asset Held for Disposal):	246059815.52	739880.79	246799696.31	5568085.35	252367781.66	2400974.55	254768756.21	2548995.00	257317751.21	406555.85	257724307.06





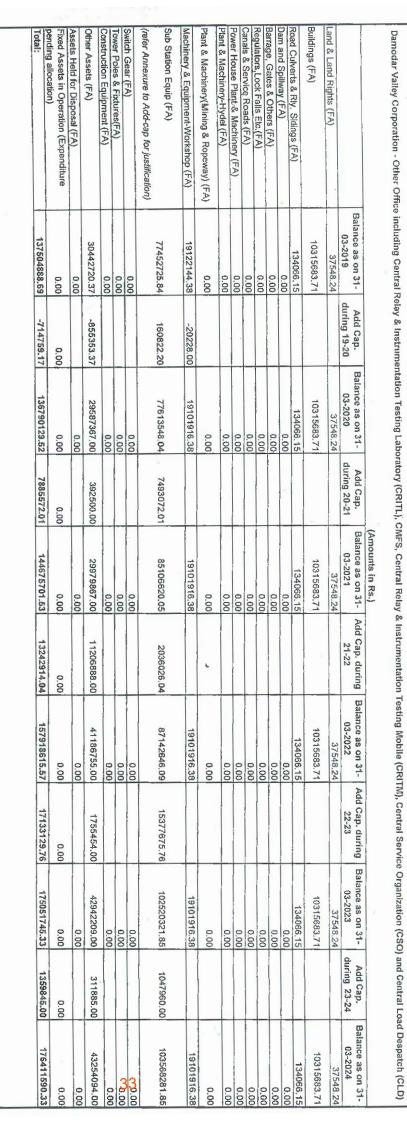
44.010	States accountable
2010-24	onitalication during

			Opening Balance a Damodar Valley Corp	as on 01.04.19 & poration - Centra	Opening Balance as on 01.04.19 & Year wise Additional Capitalisation during 2019-24 Damodar Valley Corporation - Central Office (Including Information Technology Software) [Amounts in Rs.]	Expitalisation during armation Technolog	y Software)	8			KO:
■ 日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	Balance as on 31-	Add Cap. during	Balance as on 31-	Add Cap.	Balance as on 31-03-	Add Cap. during	Balance as on 31-03-	Add Cap, during 22-	Balance as on 31-03- Add Cap. during 22- Balance as on 31-03- Add Cap. during	_	Balance as on 31-03-
	03-2019	_	03-2020	during 20-21	2021	21-22	2022	23	2023	23-24	2024
I AND I AND BUILD AND A PART OF THE PART O	112962078.00	229180000.00	342142078.00	2413216.21	344555294.21		344555294.21		344555294.21		344555294.21
THE RESERVE THE PROPERTY OF THE PERSON OF TH	299491585.09		299491585.09		299491585.09		299491585.09		299491585.09		299491585.09
Board Culverta & Riv. Bidenos (FA)	5825.00		5825.00		5825.00		5825.00		5825.00		5825.00
Dam and Spillway (FA)	0.00		0.00		0.00		0.00		0.00		
Barrana Gates & Olhers (FA)	0.00		0.00		0.00		0.00		0.00		
Ham Jators Lock Folls Etc.(FA)	0.00		0.00		0.00		0.00		0.00		
Canala & Service Roads (FA)	0.00		0.00		0.00		0.00		0.00		
Power House Plant & Machinery (FA)	0.00		0.00		0.00		0.00		0.00		
Plant & Machinery-Hydel (FA)	0.00		0.00		0.00		0.00		0.00		***
Plant & Machinery(Mining & Ropeway) (FA)	0.00		0.00		0,00		0.00		0.00		
Machinery & Equipment-Workshop (FA)	427514.37		427514.37		427514.37		427514.37		427514.37		427514,37
Sub Station Equip (FA)	1153855.00		1153855.00		1153855.00		1153855.00		1153855.00		1153855.00
Switch Gear (FA)	0.00		0.00		0.00		0.00		0.00		
Tower Poles & Fixtures(FA)	0.00		0.00		0.00		0.00		0.00		
Construction Equipment (FA)	525616.30		525616.30		525616.30		525616,30		525616.30		525616.30
Other Assets (FA)	227017794.56	9046311.24	236064105.80	5667514.92	241731620.72	21908294.20	263639914.92	46307672.00	309947586.92	18597999.29	328545586.21
Fixed Assets in Operation (Expenditure pending	0.00		0.00		0.00		.0.00		0.00	10	
Total:	641584268.32	238226311.24	879810579.56	8080731.13		21908294.20	909799604.89	46307672.00	956107276.89	18597999.29	974705276.18
Assets Held for Disposal (FA)	-2992829.00		-2992829.00		-2992829.00						-2992829.00
Grand Total (including Asset Held for Disposal):	638591439.32	238226311.24	876817750.56	8080731.13		21908294.20	906806775.89	46307672,00	953114447.89	18597999.29	971712447.18
IT Software & Solutions , Data Centre	104666071.44	9567607.00	114233678.44	59800.00	114293478.44	0.00	114293478.44	0.00	114293478.44	2653498.00	116946976.44
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	746250339.76	247793918.24	994044258,00	8140531,13	1002184789.13	21908294.20	1024093083.33	46307672.00	1070400755.33	21251497.29	1091652362.62





Appendix-II (B)





Opening Balance as on 01.04.19 & Year wise Additional Capitalisation during 2019-24





Balance as on 31	-2213706.90 98537421.40	100751128.30	-640000.00	101391128.30	0,00	101391128.30	0.00	101391128.30	Total:
Balance as on 31- 03-2019 Add Cap. during 19-20 Balance as on 31- 03-2020 Add Cap. during 20-21 Balance as on 31- 03-2021 Add Cap. during 21-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 16855059.45 16855059.45 16955059.45 16955059.45 16955059.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 32562053.34 32562053.34 32562053.34 32562053.34 32562053.34 12707000.30 12707000.30 12707000.30 12707000.30 0.00 0.00 0.00 0.00 0.00 0.00 154 0.00 0.00 0.00 0.00 154 0.00 0.00 0.00 0.00 156 0.00 0.00 0.00 0.00 0.00 156 0.00 0.00 0.00 0.00 0.00 0.00 156 0.00 0.00 0.00 0.00 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Fixed Assets in Operation (Expenditure pending
Balance as on 31- 03-2019 Add Cap. during 19-20 Balance as on 31- 03-2020 Add Cap. during 20-21 Balance as on 31- 03-2021 Add Cap. during 21-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 16955059.45 16955069.45 16955069.45 16955069.45 16955069.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00 32562053.34 32562053.34 32562053.34 32562053.34 32562053.34 ry (FA) 0.00 0.00 0.00 0.00 0.00 peway) (FA) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 peway) (FA) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 shop (FA) 0.00 0.00 0.00 0.00 0.00 0.00 31767392.48 0.00 31767392.48 -640000.00 <		0.00		0.00		0.00		0.00	Assets Held for Disposal (FA)
Balance as on 31- 03-2019 Add Cap. during 19-20 Balance as on 31- 03-2020 Add Cap. during 20-21 Balance as on 31- 03-2021 Add Cap. during 20-21 Add Cap. during 20-21 Add Cap. during 20-21 21-22 3618940,38 3618940,36 3618940,36 3618940,36 3618940,36 3618940,36 3618940,36 3618940,36 3618940,36 3618940,36 3618940,36 3618940,36 3618940,36 3618940,36 3618940,36 3780682,37 37806	-2213706.90		-640000.00	31767392.48	0.00	31767392.48	0.00	31767392.48	Other Assets (FA)
Balance as on 31- 03-2019 Add Cap. during 19-20 Balance as on 31- 03-2020 Add Cap. during 20-21 Balance as on 31- 03-2021 Add Cap. during 21-22 3618940,38 3618940,36 3618940,36 3618940,36 3618940,36 16955059,45 16955059,45 16955059,45 16955059,45 16955059,45 0.00 3780682,37 3780682,37 3780682,37 3780682,37 0.00 0.00 0.00 0.00 0.00 32562053,34 32562053,34 32562053,34 32562053,34 12707000,30 12707000,30 12707000,30 12707000,30 ry (FA) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 <td></td> <td>0.00</td> <td></td> <td>0.00</td> <td></td> <td>0.00</td> <td></td> <td>0.00</td> <td>Construction Equipment (FA)</td>		0.00		0.00		0.00		0.00	Construction Equipment (FA)
Balance as on 31- Add Cap. Balance as on 31- Add Cap. Balance as on 31- Add Cap. during 20-21 Balance as on 31- Add Cap. during 20-21 Balance as on 31- Add Cap. during 20-21 2-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3780682.37 <td></td> <td>0.00</td> <td></td> <td>0.00</td> <td></td> <td>0.00</td> <td></td> <td>0.00</td> <td>Tower Poles & Fixtures(FA)</td>		0.00		0.00		0.00		0.00	Tower Poles & Fixtures(FA)
Balance as on 31- 03-2019 Add Cap. during 19-20 Balance as on 31- 03-2020 Add Cap. during 20-21 Balance as on 31- 03-2021 Add Cap. during 20-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 16955059.45 16955069.45 16955069.45 16955069.45 7A) 3780682.37 3780682.37 3780682.37 9.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 12707000.30 32562053.34 32562053.34 32562053.34 12707000.30 12707000.30 12707000.30 12707000.30 100 0.00 0.00 0.00 100 0.00 0.00 0.00 12707000.30 12707000.30 12707000.30 12707000.30 12707000.30 0.00 0.00 0.00 100 0.00 0.00 0.00 12707000.30 0.00 0.00 0.00 12707000.30 0.00 0.00 0.00 12707000.30 0.00 0.00		0.00		0.00		0.00		0.00	Switch Gear (FA)
Balance as on 31- 03-2019 Add Cap. during 19-20 Balance as on 31- 03-2020 Add Cap. during 20-21 Balance as on 31- 03-2021 Add Cap. during 21-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 16955069.45 16955069.45 16955069.45 16955069.45 FA) 3780682.37 3780682.37 3780682.37 D.00 0.00 0.00 0.00 D.00 0.00 0.00 0.00 TY (FA) 32562053.34 32562053.34 32562053.34 32562053.34 TY (FA) 0.00 0.00 0.00 0.00 Shop (FA) 0.00 0.00 0.00 Shop (FA) 0.00 0.00 0.00		0.00		0.00		0.00		0.00	Sub Station Equip (FA)
Balance as on 31- 03-2019 Add Cap. during 19-20 Balance as on 31- 03-2020 Add Cap. during 20-21 Balance as on 31- 03-2021 Add Cap. during 21-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 16955059.45 16955059.45 16955059.45 16955059.45 FA) 3780682.37 3780682.37 3780682.37 O.00 0.00 0.00 0.00 O.01 0.00 0.00 0.00 TY (FA) 12707000.30 12707000.30 12707000.30 O.00 0.00 0.00 0.00 Opeway) (FA) 0.00 0.00 0.00		0.00		0.00		0.00		0.00	Machinery & Equipment-Workshop (FA)
Balance as on 31- 03-2019 Add Cap. during 19-20 Balance as on 31- 03-2020 Add Cap. during 20-21 Balance as on 31- 03-2021 Add Cap. during 21-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3780682.37		0.00		0.00		0.00		0.00	Plant & Machinery(Mining & Ropeway) (FA)
Balance as on 31- Add Cap. Balance as on 31- Add Cap. during 20-21 Balance as on 31- Add Cap. during 20-21 Balance as on 31- Add Cap. during 20-21 Add Cap. during 20-21 21-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3780682.37 3780682.37 3780682.37 3780682.37 3780682.37 3780682.37 30.00 0.00		0.00		0.00		0.00		0.00	Plant & Machinery-Hydel (FA)
Balance as on 31- 03-2019 Add Cap. during 19-20 Balance as on 31- 03-2020 Add Cap. during 20-21 Balance as on 31- 03-2021 Add Cap. during 21-22 3618940.38 3618940.36 3618940.36 3618940.36 3618940.36 16955059.45 16955059.45 16955059.45 3780682.37 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 32562053.34 32562053.34 32562053.34 12707000.30 12707000.30 12707000.30 12707000.30		0.00		0.00		0.00		0.00	Power House Plant & Machinery (FA)
Balance as on 31- Add Cap. Balance as on 31- Add Cap. during 20-21 Balance as on 31- Add Cap. during 20-21 Balance as on 31- Add Cap. during 20-21 21-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 FA) 3780682.37 3780682.37 3780682.37 3780682.37 3780682.37 0.00 0.00 0.00 0.00 0.00 32562053.34 32562053.34 32562053.34 32562053.34		12707000.30		12707000.30		12707000.30		12707000.30	Canals & Service Roads (FA)
Balance as on 31- 03-2019 Add Cap. during 19-20 Balance as on 31- 03-2020 Add Cap. during 20-21 Balance as on 31- 03-2021 Add Cap. during 21-22 3618940,36 3618940,36 3618940,36 3618940,36 16955059,45 16955059,45 16955059,45 700682,37 3780682,37 3780682,37 0.00 0.00 0.00		32562053.34		32562053.34		32562053,34		32562053.34	Regulators, Lock Falls Etc.(FA)
Balance as on 31- Add Cap. Balance as on 31- Add Cap. during 19-20 Balance as on 31- Add Cap. during 20-21 Balance as on 31- Add Cap. during 20-21 D3-2020 Balance as on 31- Add Cap. during 20-21 D3-2021 21-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 3780682.37 378068		0.00		0.00		0,00		0.00	Barrage, Gates & Others (FA)
Balance as on 31- Add Cap. Balance as on 31- Add Cap. during 19-20 Balance as on 31- Add Cap. during 20-21 Balance as on 31- Add Cap. during 20-21 Add Cap. during 20-21 21-22 dights (FA) 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 & RIV. Sidings (FA) 3780682.37 3780682.37 3780682.37 3780682.37		0.00		0.00		0.00		0.00	Dam and Spillway (FA)
Balance as on 31- Add Cap. Balance as on 31- Add Cap. during 19-20 03-2020 during 20-21 03-2021 21-22 3618940.36 3618940.36 3618940.36 3618940.36 3618940.36 16955059.45 16955059.45 16955059.45		3780682.37		3780682.37		3780682.37		3780682.37	Road Culverts & Rly, Sidings (FA)
Balance as on 31- Add Cap. Balance as on 31- Add Cap. during 19-20 03-2020 during 20-21 03-2021 21-22 3618940.36 3618940.36 3618940.36		16955059.45		16955059.45		16955059.45		16955059.45	Buildings (FA)
Add Cap. Balance as on 31- Add Cap. Balance as on 31- Add Cap. during 20-21 during 19-20 03-2020 during 20-21 03-2021 21-22		3618940.36		3618940.36		3618940.36		3618940.36	Land & Land Rights (FA)
Add Cap. Balance as on 31- Add Cap. Balance as on 31- Add Cap. during	22-23	03-2022	21-22	03-2021	during 20-21	03-2020	during 19-20	03-2019	
	Cap. du	Balance as on 31- Add	Add Cap. during	Balance as on 31-	Add Cap.	Balance as on 31-	Add Cap.	Balance as on 31-	
			ary Activity	orporation - Subsidi	amodar Valley C			,	
Damodar Valley Corporation - Subsidiary Activity		ing 2019-22	Capitalisation dur	Opening Balance as on 01.04.19 & Year wise Additional Capitalisation during 2019-22	s on 01.04.19 & \	Opening Balance a			







TARIFF FILING FORMS FOR ISTS SYSTEM - LILO DSTPS PORTION FOR DETERMINATION OF TARIFF FOR 2019-24 PERIOD

ANNEXURE - B



INDEX PART-III Checklist of Forms and other information/ documents for tariff filing for Transmission System & Communication System Title of Tariff Filing Forms (Transmission & Communication System) Tick Form No. FORM- 1 FORM-2 Details of Transmission Lines and Substations, Communication System $\sqrt{}$ FORM-3 Normative parameters considered for tariff computations $\sqrt{}$ FORM- 4 Abstract of admitted parameters for the existing transmission assets/elements Χ FORM- 4A Statement of Capital cost FORM- 4B Statement of Capital Works in Progress Х Abstract of Capital Cost Estimates and Schedule of Commissioning for the New FORM- 4C X Element wise Break-up of Project/Asset/Element Cost for Transmission System or X FORM-5 FORM-5A Break-up of Construction/Supply/Service packages FORM-5B Details of all the assets covered in the project X FORM- 6 Financial Package upto COD Χ FORM- 7 Statement of Additional Capitalisation after COD X FORM- 7A Financing of Additional Capitalisation FORM- 7B Statement of Additional Capitalisation during fag end of the Project X FORM- 8 Calculation of Return on Equity FORM-8A Details of Foreign Equity Χ FORM-9 Details of Allocation of corporate loans to various transmission elements Χ FORM-9A Details of Project Specific Loans FORM-9B Details of Foreign loans Χ FORM-9C Calculation of Weighted Average Rate of Interest on Actual Loans FORM-9D Loans in Foreign Currency X FORM-9E Calculation of Interest on Normative Loan FORM- 10 Calculation of Depreciation Rate on original project cost FORM- 10A Statement of Depreciation FORM- 10B Statement of De-capitalisation FORM- 11 Calculation of Interest on Working Capital FORM- 12 X Details of time over run Incidental Expenditure during Construction FORM- 12A Χ FORM- 12B Calculation of IDC & Financing Charges Х Details of Initial spares FORM- 13 Χ FORM- 14 Non-Tariff Income Χ FORM- 15 Summary of issue involved in the petition Appen-1 O & M Expenses details Statement of capital cost (Input Data) Appen-2 Appen-3 Cost Savings in Interest due Loan Restructuring Other Information/ Documents Sl. No. Information/Document Tick Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup X by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & X Communication System for the relevant years. Copies of relevant loan Agreements Х Copies of the approval of Competent Authority for the Capital Cost and Financial Х package. Copies of the Equity participation agreements and necessary approval for the Х foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Х Detailed note giving reasons of cost and time over run, if applicable. X List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis X c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2014-15 and 2015-X 16 at the time of mid-term true-up in 2016-17 and for balance period of tariff period 2014-19 at the time of final true-up in 2019-20. In case of initial tariff filing the latest available Cost Audit Report should be furnished. Any other relevant information, (Please specify)

Note1: Electronic copy of the petition (in word format) and detailed calculation as per these formats (in excel format) and any other information submitted shall also be furnished in the form of CD/Floppy disc.

Summary Sheet

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

(Amt in Rs. Lakhs)

S.N o.	Particulars	Unit	Form Reference	2019-20	2020-21	2021-22	2022-23	2023-24
1	2		3	6	7	8	9	10
A	Cost components as per Regulations 30, 31, basis of availability	32, 33, 34, 35	of the CERC (Ter	ms and Condi	tions of Tariff	Regulations,	2019, to be rec	overed on the
A.1	Depreciation	Rs. Lakhs	Form-10A	48.93	47.71	45.10	46.41	49.19
A.2	Interest on Loan	Rs. Lakhs	Form-9E	49.08	44.48	32.78	28.20	26.61
A.3	Return on Equity ¹	Rs. Lakhs	Form-8	54.10	54.10	54.10	54.10	54.10
A.4	Interest on Working Capital	Rs. Lakhs	Form-11	5.27	4.94	4.55	4.60	5.36
A.5	O & M Expenses	Rs. Lakhs	Appen-I-O & M	67.73	70.11	72.57	75.12	77.75
	Sub-total: A	Rs in Lakh		225.12	221.34	209.11	208.43	213.02
В	Cost components as per Regulation 34 (3) (c Orders, and the DVC Act, to be recovered in	* *	,	and Conditio	ns of Tariff) R	egulations 201	9, Subsequent	CERC/Court
B.1	DVC's share of savings in interest cost due to loan restructuring	Rs in Lakh	Appn-3 Loan Restr	2.22	1.84	5.12	4.87	3.02
	Sub-total: B	Rs in Lakh		2.22	1.84	5.12	4.87	3.02
	Grand Total			227.34	223.18	214.23	213.30	216.04

Note

1: Details of calculations, considering equity as per regulation, to be furnished (As per Form 8).

DETAILS OF TRANSMISSION LINES & SUBSTATIONS & COMMUNICATION SYSTEM

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

Transmission Lines:

S. No.	Name of line	Type of	S/C or D/C	No. of Sub-	Voltage	Line length	Line	Date of Commercial		ed in the it petition
S. No.	Name of line	line AC/HVDC	S/C or D/C	Conductor s	level kV	Ckt km.	length km	operation	Yes/No	If No, petition No.
	EXISTING LINES									
1	Single Circuit LILO of 400 KV D/C Durgapur (PG) – Jamshedpur (PG) at DSTPS Twin Moose Conductor	AC	D/C	2	400 KV	7.78	3.89	1-Feb-11	Yes	
2	Single Circuit LILO of 400 KV D/C Maithon (PG) – Ranchi(PG) at RTPS (DOCO 01.07.2012)	AC	D/C	2	400 KV	21.126	10.563	1-Jul-12	Yes	
3	Double Circuit 400 KV DSTPS - RTPS Twin Moose (DOCO 01.08.2013)	AC	D/C	2	400 KV	139	69.5	1-Aug-13	Yes	
	NEW LINES									
4	Double Circuit 400 KV RTPS – Ranchi (PG) Quad Moose Conductor	AC	D/C	4	400 KV	311	155.5	30.08.2017	Yes	

Substations:

	Nama of	Type of Substation	Voltage	No. of		No	. of Bays		Date of		Covered in the
S.NO	Sub station	Conventional(Gree nfield/ Brownfield)/	e ura	transform ers	765 kV	400 kV	220 kV	132 kV & Below	Commercial operation	Yes	i/No If No, petition No
	TWO NOS. 400 KV BAYS FOR S/C LILO JAMSHEDPUR(PG)- DURGAPUR(PG) TRANSMISSION LINE AT DSTPS(ANDAL) END		400kv			2			1-Feb-11	Y	es

Normative parameters considered for tariff computations

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

Year Ending March 2019-20 2020-21 2021-22 2022-23 2023-24 **Particulars** Unit **(1) (2)** (3) **(4) (5) (6) (7)** 15.50% 15.50% % 15.50%15.50% 15.50% Base Rate of Return on Equity Tax Rate 25.17% 25.17% 25.17% 25.17% 25.17% % 25.17% 25.17% 25.17% 25.17% 25.17% Effective tax rate¹ Target Availability % 98 98 98 98 98 Normative O&M per km Rs. Lakh Single Circuit (Bundled Conductor with six or more sub-conductor) 0.881 0.912 0.944 0.977 1.011 0.809 Single Circuit (Bundled Conductor with four sub-conductors) 0.755 0.781 0.837 0.867 Single Circuit (Twin & Triple conductor) 0.503 0.521 0.539 0.558 0.578 Single Circuit (Single conductor) 0.252 0.26 0.27 0.279 0.289 Double Circuit (Bundled Conductor with four or more sub-1.322 1.368 1.416 1.466 1.517 conductors) Double Circuit (Twin & Triple conductor) 0.881 0.912 0.944 0.977 1.011 0.391 Double Circuit (Single conductor) 0.377 0.404 0.419 0.433 Multi Circuit (Bundled Conductor with four or more sub-conductors) 2.319 2.401 2.485 2.572 2.662 1.544 1.598 1.654 Multi Circuit (Twin & Triple conductor) 1.713 1.773 Normative O&M per bay Rs. Lakh 765 kV 51.68 45.01 46.6 48.23 49.93 400 kV 32.15 33.28 34.45 36.91 35.66 220 kV 22.51 23.3 24.12 25.84 24.96 132 kV and below 16.08 17.23 17.83 18.46 16.64 Normative O&M for Transformers per MVA Rs. Lakh 765 kV 0.508 0.545 0.564 0.491 0.526 400 kV 0.358 0.371 0.384 0.398 0.411 220 kV 0.245 0.254 0.263 0.272 0.282 132 kV and below 0.245 0.254 0.272 0.263 0.282 Spares for WC as % of O&M % 15 15 15 15 15 Receivables in Months for WC Days 45 45 45 Bank Rate as on 1.04.2019 (SBI 1Y MCLR+350 basis points) 12.05% 11.25% 10.50% 10.50% 12.00%

2.Mention relevant date



^{1.}To be supported by necessary documents and calculations. Effective tax rate is to be computed in accordance with Regulation 25 i.e. actual tax (or estimated tax)/gross income, where gross income refers the profit before tax.

PART-III Form7

Statement of Additional Capitalisation after COD

Name of the Petitioner: Damodar Valley Corporation
Name of the Region: Eastern Region
Name of the Project: Transmission & Distribution System
Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

COD 01-Aug-13

Sr. No.	Year	Work/Equipment proposed to be added after COD upto Cut off Date/ beyond Cut-off Date	Amount capitalized /Proposed to be capitalized (Rs Lakh)	New or Replacement	SUB STATION or LINE or COMMUNICA TION	NAME	COD of old asset (in case of replaced items)	Justification	Regulations under which covered	
(1)	(2)	(3)	(4)					(5)	(6)	(7)
		F.Y 2019-20								
1	2019-20	400 KV ISTS Line (LILO DSTPS)							14(1)(i)	
		TOTAL (2019-20)	0.00							
		F.Y 2020-21								
1	2020-21	400 KV ISTS Line (LILO DSTPS)							14(1)(i)	
		TOTAL (2020-21)	0.00							
	•	F.Y 2021-22								
1	2021-22	400 KV ISTS Line (LILO DSTPS)							14(3)(v)	
		Total (2021-22)	0.00							
	•	F.Y 2022-23								
1	2022-23	400 KV ISTS Line (LILO DSTPS)							14(3)(v)	
		TOTAL (2022-23)	0.00							
		F.Y 2023-24								
1	2023-24	400 KV ISTS Line (LILO DSTPS)							14(3)(v)	
		TOTAL (2023-24)	0.00							



PART-III Form-8

Calculation of Return on Equity at Normal Rate

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

(Amt. in Lakhs)

S.N o.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1.1	Equity as on COD/Admitted equity #		261.20	261.20	261.20	261.20	261.20
1.2	Notional Equity for Add Cap after cut-off date		-	-	-	-	-
	Notional Equity for Add Cap after completion of useful life		1	1	-	-	-
1.4	Total Equity		261.20	261.20	261.20	261.20	261.20
	Return on Equity on project cost till Cutoff date		20.71%	20.71%	20.71%	20.71%	20.71%
1.6	Return on Equity on Add Cap		54.10	54.10	54.10	54.10	54.10

Note:- 1: * - To be calculated on average equity during the year.



N. Ca. D. Ca.	0					
Name of the Petitioner	0					(Rs. Lakl
Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Loan-4 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.8
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	78,995.85	78,995.8
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	76,995.65	10,773.0
Add: Drawal(s) during the Year	73,727.70	00,403.07	03,170.00	31,730.27	_	
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	57,930.29		
Net loan - Closing	68,463.07	63,196.68	57,930.29	31,930.29		
Average Net Loan	68,679.49	65,829.87	60,563.48	6,290.78	-	
	10.15%	10.15%	10.15%	9.98%	-	
Rate of Interest on Loan on annual basis Interest on loan	6,970.97	6,681.73	6,147.19	627.82	_	
interest on toan	0,570.57	0,001.73	0,147.17	027.02	_	
Loan - 3 Punjab & Sind Bank Loan (For T&D)						
Gross loan - Opening					52,663.90	52,663.9
Cumulative repayments of Loans upto previous year				-	3,949.79	9,216.1
Net loan - Opening				-	48,714.11	43,447.7
Add: Drawal(s) during the Year				52,663.90		
Less: Repayment (s) of Loans during the year				3,949.79	5,266.39	5,266.3
Net loan - Closing		-	-	48,714.11	43,447.72	38,181.3
Average Net Loan pro-rated based on repayment date (see Note -5)		-	-	46,845.64	46,080.92	40,814.5
Rate of Interest on Loan on annual basis (refer Note pelow **)				7.80%	7.76%	8.72
Interest on loan				3,653.96	3,577.99	3,559.0
Loan-4(i): Share of GoI Guaranteed DVC Bonds (Series - 14 - Rs. 4,400 Crore) (Drawn On 30.03.2012)						
Gross loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.0
Cumulative repayments of Loans upto previous year	-	-	-	-	-	-
Net loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.0
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	-	_	-	-	-	-
Net loan - Closing	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.0
Average Net Loan	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.0
Rate of Interest on Loan on annual basis	10.30%	10.30%	10.80%	10.53%	10.44%	10.34
Interest on loan	1,030.00	1,030.00	1,080.11	1,053.36	1,044.15	1,034.1
Total Loan						
Gross loan - Opening	88,995.85	88,995.85	88,995.85	88,995.85	141,659.75	141,659.7
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	82,945.64	88,212.0
Net loan - Opening	83,729.46	78,463.07	73,196.68	67,930.29	58,714.11	53,447.7
Add: Drawal(s) during the Year	-			52,663.90	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	61,880.08	5,266.39	5,266.3
Net loan - Closing	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72	48,181.3
Average Net Loan	78,463.07	75,829.87	70,563.48			50,814.5
				63,136.42	56,080.92	
Interest on loan Weighted average Rate of Interest on Loans	8,000.97 10.17%	7,711.73 10.17%	7,227.31 10.24%	5,335.14 8.45%	4,622.14 8.24%	4,593.1 9.04

Note:
1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

PART-III FORM- 9E

Calculation of Interest on Normative Loan

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

(Amount in Rs. Lakh)

Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	2	3	4	5	6
Gross Normative loan - Opening #	553.4	609.46	609.46	609.46	609.46	609.46
Cumulative repayment of Normative Loan upto previous year	37.97	102.36	151.29	199.00	244.10	290.51
Net Normative loan - Opening	515.5	507.10	458.17	410.46	365.36	318.95
Add: Increase due to addition during the year / period	56.02	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to repayment during the year / period	64.39	48.93	47.71	45.10	46.41	49.19
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharges during the year / period	0	0.00	0.00	0.00	0.00	0.00
Net Normative loan - Closing	507.10	458.17	410.46	365.36	318.95	269.76
Average Normative Loan	511.28	482.64	434.31	387.91	342.16	294.36
Weighted average Rate of Interest of actual Loans	10.15%	10.17%	10.24%	8.45%	8.24%	9.04%
Interest on Normative loan	51.90	49.08	44.48	32.78	28.20	26.61

Note:

1. At the time of true-up net savings as a result of refinancing of loans may be provided along with adj

naring.

PART-III FORM- 10

Calculation of Depreciation Rate on Original Project Cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

Amount in Rs. Lakh

Sl. no.	Name of the Assets ¹	Gross Block as on 31.03.2019 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.24	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.24
	1	2	3	4= Col.2 X Col.3
1	Land			
2	Building			
3	and so on			
4				
	TOTAL			
	Weighted Average Rate of Depreciation of 2019-20 (%) *		5.62%	
	Weighted Average Rate of Depreciation 2020-21 (%) *		5.48%	
	Weighted Average Rate of Depreciation 2021-22 (%) *		5.18%	
	Weighted Average Rate of Depreciation 2022-23 (%) *		5.33%	
	Weighted Average Rate of Depreciation 2023-24 (%) *		5.65%	

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.



Statement of Depreciation

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

Sl. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(4)	5	6	7	8	9
1	Opening Capital Cost	790.62	870.66	870.66	870.66	870.66	870.66
2	Closing Capital Cost	870.66	870.66	870.66	870.66	870.66	870.66
3	Average Capital Cost	830.64	870.66	870.66	870.66	870.66	870.66
4	Freehold land	0.00	0.00	0.00	0.00	0.00	0.00
5	Rate of depreciation	7.752%	5.620%	5.480%	5.180%	5.330%	5.650%
6	Depreciable value	747.58	783.59	783.59	783.59	783.59	783.59
7	Balance useful life at the beginning of the period						
8	Remaining depreciable value	645.22	681.23	632.30	584.59	539.49	493.08
9	Depreciation (for the period)	64.39	48.93	47.71	45.10	46.41	49.19
10	Depreciation (annualised)	64.39	48.93	47.71	45.10	46.41	49.19
11	Cumulative depreciation at the end of the period	102.36	151.29	199.00	244.10	290.51	339.70
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	0.00	0.00	0.00	0.00	0.00	0.00
13	Net Cumulative depreciation at the end of the period	102.36	151.29	199.00	244.10	290.51	339.70

^{1.} In case of details of FERV and AAD, give information for the applicable period.



PART-III FORM-11

Calculation of Interest on Working Capital

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

(Rs. Lakhs)

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	5	6	7	8	9
		366	365	365	365	366
1	O & M Expenses	5.64	5.84	6.05	6.26	6.48
2	Maintenance Spares	10.16	10.52	10.89	11.27	11.66
3	Receivables	27.95	27.52	26.41	26.30	26.56
4	Total Working Capital	43.75	43.87	43.34	43.83	44.70
5	Rate of Interest	12.05%	11.25%	10.50%	10.50%	12.00%
6	Interest on Working Capital	5.27	4.94	4.55	4.60	5.36



Name of	Normative O & M Exper the Petitioner: Damodar Valley Corporation		for LILO - DS ion (Bays)	TPS Transmi	ssion Line		PART-III
	the Region: Eastern Region the Transmission Element or Communication S	Svetom: 400	kV ISTS I inc	A II O DSTP	S)		Appendix-1
tvaine of	Transmission Element of Communication S	system. 400	1	`	s in lakhs/bay	v)	A manuat
SI No.	Sub Station		765kV	400 KV	220 KV	132 KV and below	Amount (Rs in Lakhs)
1	2019-20		45.01	32.15	22.51	16.08	
2	2020-21		46.6	33.28	23.3	16.64	
3	2021-22		48.23	34.45	24.12	17.23	
4	2022-23		49.93	35.66	24.96	17.83	
5	2023-24		51.68	36.91	25.84	18.46	
	MBER OF SUB-STATION BAYS (LILO DS NG AS ON 31.03.2019 & CONSIDERED FO		765kV	400 KV	220 KV	132 KV and below	64.3

		COD FY20	019-20				
	Bays added during 2019-20	СОВ	0	0	0	0-	
	TOTAL 2019-20		0	2	0	0	64.300
		FY 2	020-21				
	Existing on 31st March 2020	COD	0	2	0	0	
	TOTAL 2020-21	*3×7 *	0	2	0	0	66.560
	Existing on 31st March 2021	COD FY 2	021-22	2	0	0	
	TOTAL 2021-22	COD	0	2	0	0	68.90
		FY 2	022-23				
	Existing on 31st March 2022	COD	0	2	0	0	
	TOTAL 2022-23		0	2	0	0	71.320
	Existing on 31st Moroh 2023	FY 2	023-24	2	0	0	
	Existing on 31st March 2023 TOTAL 2023-24	COD	0	2	0	0	73.820
			SSION LINE				70.020
	1						
			& M ine				
		L	ane	Rate (Rs in	ı lakhs/km)		
						D. (C. E.	
	Line		S/C Single Conductor	D/C Single Conductor	D/C Double Conductor	D/C Four Conductor	
1	2019-20		0.252	0.377	0.881	1.322	
2	2020-21		0.26	0.391	0.912	1.368	
3 4	2021-22		0.27	0.404	0.944	1.416	
5	2022-23 2023-24		0.279 0.289	0.419 0.433	0.977 1.011	1.466 1.517	
	2023-24		0.289		M	1.317	A
Sl No.	Line		S/C Single Conductor	D/C Single Conductor	D/C Double Conductor	D/C Four Conductor	Amount (Rs in Lakhs)
	1		019-20		I	1	
	Existing on 31st March 2019	COD	0	0	3.89	0	
	Total 2019-20		0	0	3.89	0	3.427
	Total 2017 20	FY 2	020-21		0.07		0.127
	Existing on 31st March 2020	COD	0	0	3.89	0	3.548
	TOTAL 2020-21 ADDITION	1357.4	0	0	0	0	0.000
	Existing on 31st March 2021	COD FY 2	021-22	0	3.89	0	3.672
	TOTAL 2021-22 ADDITION	СОВ	0.000	0.000	0.000	0.000	0.000
		FY 2	022-23	0.300			0.000
	Existing on 31st March 2022	COD	0	0	3.89	0	3.801
	TOTAL 2022-23 ADDITION		0	0	0	0	0.000
			023-24	_		_	
	Existing on 31st March 2023	COD	0	0	3.89	0	3.933
Note:	TOTAL 2023-24 ADDITION		0	0	0	0	0.000
	0.03500	P 37	EU		10.24		1
	O & M (Rs. In Lakhs)		I .				
		2019-20	2020-21	2021-22	2022-23	2023-24	
	Transmission Line	3.43	3.55	3.67	3.80	3.93	
	Sub Station	64.30	66.56	68.90	71.32	73.82	
	Total -Transmission O&M	67.73	70.11	72.57	75.12	77.75	l
	GRAND TOTAL O&M		70.11	72.57	75.12		l



Statement of capital cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

PART-III Appen-2

(Rs in Lakhs)

						(NS III Lakiis)
PARTICULARS	Capital cost as on 1.4.2019			TRUE UP		
		2019-20	2020-21	2021-22	2022-23	2023-24
CAPITAL COST AND ADD CAP	870.66					
ADDITIONAL CAPITALIZATION						
DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
CUMMULATIVE CAPITAL COST	870.66	870.66	870.66	870.66	870.66	870.66
AVERAGE		870.66	870.66	870.66	870.66	870.66
EQUITY ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.00
EQUITY REDUCTION DUE TO DECAPITALISATION						
CUMMULATIVE EQUITY	261.20	261.20	261.20	261.20	261.20	261.20
AVERAGE		261.20	261.20	261.20	261.20	261.20
NORMATIVE LOAN ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.00
LOAN REDUCTION DUE TO DECAPITALISATION						
CUMMULATIVE LOAN	609.46	609.46	609.46	609.46	609.46	609.46
AVERAGE		609.46	609.46	609.46	609.46	609.46
DEPRECIATION						
CAPITAL COST OPENING	870.66	870.66	870.66	870.66	870.66	870.66
CAPITAL COST CLOSING		870.66	870.66	870.66	870.66	870.66
AVERAGE CAPITAL COST		870.66	870.66	870.66	870.66	870.66
RATE OF DEPRECIATION		5.620%	5.480%	5.180%	5.330%	5.650%
FREEHOLD LAND						
90% DEPRECIABLE VALUE EXCLUDING LAND & LAND RIGHTS		783.59	783.59	783.59	783.59	783.59
CUMULATIVE DEPRECIATION AS ON 1ST APRIL		102.36	151.29	199.00	244.10	290.51
ADJUSTMENT OF CUM. DEPR. DUE TO UNDISCHARGED LIABILITY UP TP PREV. YEAR		0.00	0.00	0.00	0.00	0.00
ADJUSTED CUM. DEPR. AS ON 1ST APRIL		102.36	151.29	199.00	244.10	290.51
BALANCE DPRECIABLE VALUE		681.23	632.30	584.59	539.49	493.08
DEPRECIATION TO BE RECOVERED		48.93	47.71	45.10	46.41	49.19
CUMMALATIVE DEPRECIATION		151.29	199.00	244.10	290.51	339.70
CUMMALATIVE DEPRECIATION ADJUSTMENT ON ACCOUNT OF DISCHARGE OF LIABILITIES		0.00	0.00	0.00	0.00	0.00
ADJUSTMENT OF DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
NET CUMULATIVE DEPRECIATION AT THE END OF THE PERIOD		151.29	199.00	244.10	290.51	339.70

Note :- 400 kV LILO DSTPS, LILO RTPS, DSTPS-RTPS Transmission Lines owned by DVC declared ISTS by ERPC.



PART- III Appendix-3

Calculation of Savings due to Loan Re-financing

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

(Amount in Rs. Lakh)

Traine of the Transmission Element of Communication System. 100 K			BIBO BOILS)	(1 tillount in 165. Eukii		
Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Loan-1 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Rate of Interest on Loan on annual basis	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Total Loan						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Weighted average Rate of Interest on Loans	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%

Computation of net savings on interest due to loan re-financing:					
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Average Normative loan (refer Form-9E)	482.64	434.31	387.91	342.16	294.36
Weighted Average Rate of Interest on Loans - without loan re- financing	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on normative loan - without loan re-financing (A)	53.52	48.17	43.02	37.95	32.64
Actual Weighted Average Rate of Interest on Loans - with loan re- financing (refer Form-9E)	10.17%	10.24%	8.45%	8.24%	9.04%
Interest on normative loan - with loan re-financing (refer Form-9E)	49.08	44.48	32.78	28.20	26.61
Net savings on interest due to loan re-financing (C = A - B)	4.44	3.68	10.24	9.74	6.04
DVC's share in the net savings on interest due to loan refinancing as per Reg. 61(1) of CERC Tariff Regulations 2019 (D = C/2)	2.22	1.84	5.12	4.87	3.02

Note:

1.In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.



TARIFF FILING FORMS FOR ISTS SYSTEM - LILO RTPS PORTION FOR DETERMINATION OF TARIFF FOR 2019-24 PERIOD

ANNEXURE - C



	INDEX	
<u>C</u>	hecklist of Forms and other information/ documents for tariff filing for Transmission System & Communication System	
Form No.	Title of Tariff Filing Forms (Transmission & Communication System)	Tick
FORM- 1	Summary Sheet	√
FORM-2	Details of Transmission Lines and Substations, Communication System	V
FORM-3	Normative parameters considered for tariff computations	√
FORM- 4	Abstract of admitted parameters for the existing transmission assets/elements	X
FORM- 4A	Statement of Capital cost	X
FORM- 4C	Statement of Capital Works in Progress Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Project/Element	X
FORM-5	Element wise Break-up of Project/Asset/Element Cost for Transmission System or	√
FORM-5A	Break-up of Construction/Supply/Service packages	X
FORM-5B	Details of all the assets covered in the project	X
FORM- 6	Financial Package upto COD	X
FORM- 7	Statement of Additional Capitalisation after COD	√
FORM- 7A FORM- 7B	Financing of Additional Capitalisation Statement of Additional Capitalisation during fag end* of the Project	X
FORM- 7B	Calculation of Return on Equity	Λ √
FORM-8A	Details of Foreign Equity	X
FORM-9	Details of Allocation of corporate loans to various transmission elements	X
FORM-9A	Details of Project Specific Loans	X
FORM-9B	Details of Foreign loans	X
FORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	V
FORM-9D	Loans in Foreign Currency	X
FORM-9E	Calculation of Interest on Normative Loan	√,
FORM- 10	Calculation of Depreciation Rate on original project cost	1
FORM- 10A	Statement of Depreciation	√ V
FORM- 10B	Statement of De-capitalisation	X √
FORM- 11 FORM- 12	Calculation of Interest on Working Capital Details of time over run	X
FORM- 12A	Incidental Expenditure during Construction	X
FORM- 12B	Calculation of IDC & Financing Charges	X
FORM- 13	Details of Initial spares	X
FORM- 14	Non-Tariff Income	X
FORM- 15	Summary of issue involved in the petition	X
Appen-1	O & M Expenses details	√
Appen-2	Statement of capital cost (Input Data)	√
Appen-3	Savings in Interest due Loan Refinancing	1
Other Information		
Sl. No.	Information/Document	Tick
1	Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC)	X
2	Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years.	X
3	Copies of relevant loan Agreements	Х
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	X
5	Copies of the Equity participation agreements and necessary approval for the foreign equity.	X
6	Copies of the BPTA/TSA/PPA with the beneficiaries, if any	X
7	Detailed note giving reasons of cost and time over run, if applicable.	X
	List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun	Х
8	Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2019-20 and 2020-21 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished.	X
9	BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the available information with BBMB. BBMB may modify formats suitably as per available information to them for submission of required information for tariff purpose. Any other relevant information, (Please specify)	X
10	Any other relevant information, (Ficase specify)	Λ

Note1: Electronic copy of the petition (in word format) and detailed calculation as per these formats (in excel format) and any other information submitted shall also be furnished in the form of CD/Floppy disc.



Summary Sheet

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Amount in Rs. Lakh

S.N o.	Particulars	Unit	Form Reference	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	6	7	8	9	10
A	Cost components as per Regulations 30, 31, 3 basis of availability	32, 33, 34, 35 of t	he CERC (Terms	and Condition	ns of Tariff) R	egulations, 201	19, to be recove	ered on the
1.1	Depreciation	Rs in Lakh	Form-10A	122.09	119.05	112.53	115.79	122.74
1.2	Interest on Loan	Rs in Lakh	Form-9E	122.86	111.38	82.11	70.68	66.73
1.3	Return on Equity ¹	Rs in Lakh	Form-8	135.00	135.00	135.00	135.00	135.00
1.4	Interest on Working Capital	Rs in Lakh	Form-11	9.12	8.39	7.56	7.55	8.75
1.5	O & M Expenses	Rs in Lakh	Appen-1-O&M (2019-24)	73.61	76.19	78.87	81.64	84.50
	Sub-total: A	Rs in Lakh		462.67	450.01	416.07	410.65	417.71
В	Cost components as per Regulation 34 (3) (c) Orders, and the DVC Act, to be recovered in			d Conditions	of Tariff) Regi	ulations 2019,	Subsequent CI	ERC/Court
B.4	DVC's share of savings in interest cost due to loan restructuring	Rs in Lakh	Appn-3 Loan Restr	5.56	4.61	12.83	12.21	7.57
	Sub-total: B	Rs in Lakh		5.56	4.61	12.83	12.21	7.57
	Grand Total	Rs in Lakh		468.23	454.62	428.89	422.86	425.28

Note

1: Details of calculations, considering equity as per regulation, to be furnished (As per Form 8).



DETAILS OF TRANSMISSION LINES & SUBSTATIONS & COMMUNICATION SYSTEM

Name of the Petitioner: Damodar Valley Corporation Name of the Region: Eastern Region Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Transmission Lines:

S. No.	Name of line		Type of line	S/C or D/C	No. of Sub-	Voltage	Line length	Line length	Date of Commercial			red in the nt petition
5. 110.	Name of fine		AC/HVDC	S/C UI D/C	Conducto rs	level kV	Ckt km.	km	operation		Yes/No	If No, petition No.
	EXISTING LIN	IES										
1	Single Circuit LILO of 400 KV D/C Jamshedpur (PG) at DSTPS Twi		AC	D/C	2	400 KV	7.78	3.89	1-Feb-11		Yes	
2	Single Circuit LILO of 400 KV D/C Ranchi(PG) at RTPS (DOCO 01.07		AC	D/C	2	400 KV	21.126	10.563	1-Jul-12		Yes	
3	Double Circuit 400 KV DSTPS - R' (DOCO 01.08.2013)	ΓPS Twin Moose	AC	D/C	2	400 KV	139	69.5	1-Aug-13		Yes	
	NEW LINES	S										
4	Double Circuit 400 KV RTPS – Ran Moose Conductor	nchi (PG) Quad	AC	D/C	4	400 KV	311	155.5	30.08.2017		Yes	
Subst	ations:											
S.NO.	Name of	Type of Substation Conventional(Greenfiel d/ Brownfield)/ GIS/	Voltage	No. of transformers /Reactors/ SVC		No. of Bays Date of Commercial		*****			red in the	
5 (0.	Sub-station	HVDC terminal/ HVDC Back to Back	level kV	etc. (with capacity)	765 kV	400 kV	220 kV	132 kV & Below	operation		Yes/No	If No, petition No.
1	TWO NOS. 400 KV BAYS FOR S/C LILO MAITHON(PG)-RANCHI(PG) TRANSMISSION LINE AT RTPS(RAGHUNATHPUR) END		400KV			2			1-Jul-12		Yes	



Normative parameters considered for tariff computations

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

			Year Ending March						
Particulars	Unit	2019-20	2020-21	2021-22	2022-23	2023-24			
(1)	(2)	(3)	(4)	(5)	(6)	(7)			
Base Rate of Return on Equity	%	15.50%	15.50%	15.50%	15.50%	15.50%			
Tax Rate	%	25.17%	25.17%	25.17%	25.17%	25.17%			
Effective tax rate ¹	%	25.17%	25.17%	25.17%	25.17%	25.17%			
Target Availability	%	98	98	98	98	98			
Normative O&M per km	Rs. Lakh								
Single Circuit (Bundled Conductor with six or more sub-conductor)		0.881	0.912	0.944	0.977	1.011			
Single Circuit (Bundled Conductor with four sub-conductors)		0.755	0.781	0.809	0.837	0.867			
Single Circuit (Twin & Triple conductor)		0.503	0.521	0.539	0.558	0.578			
Single Circuit (Single conductor)		0.252	0.26	0.27	0.279	0.289			
Double Circuit (Bundled Conductor with four or more sub- conductors)		1.322	1.368	1.416	1.466	1.517			
Double Circuit (Twin & Triple conductor)		0.881	0.912	0.944	0.977	1.011			
Double Circuit (Single conductor)		0.377	0.391	0.404	0.419	0.433			
Multi Circuit (Bundled Conductor with four or more sub-conductors)		2.319	2.401	2.485	2.572	2.662			
Multi Circuit (Twin & Triple conductor)		1.544	1.598	1.654	1.713	1.773			
Normative O&M per bay	Rs. Lakh								
765 kV		45.01	46.6	48.23	49.93	51.68			
400 kV		32.15	33.28	34.45	35.66	36.91			
220 kV		22.51	23.3	24.12	24.96	25.84			
132 kV and below		16.08	16.64	17.23	17.83	18.46			
Normative O&M for Transformers per MVA	Rs. Lakh								
765 kV		0.491	0.508	0.526	0.545	0.564			
400 kV		0.358	0.371	0.384	0.398	0.411			
220 kV		0.245	0.254	0.263	0.272	0.282			
132 kV and below		0.245	0.254	0.263	0.272	0.282			
Spares for WC as % of O&M	%	15	15	15	15	15			
Receivables in Months for WC	Months	1.5	1.5	1.5	1.5	1.5			
Bank Rate as on 1.04.2019 (SBI 1Y MCLR+350 basis points)	%	12.05%	11.25%	10.50%	10.50%	12.00%			

^{1.}To be supported by necessary documents and calculations. Effective tax rate is to be computed in accordance with Regulation 25 i.e. actual tax (or estimated tax)/gross income, where gross income refers the profit before tax.

2.Mention relevant date



Statement of Additional Capitalisation after COD

Name of the Petitioner: Damodar Valley Corporation
Name of the Region: Eastern Region
Name of the Project: Transmission & Distribution System
Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)
COD 01-Aug-13

Sr. No.	Year	Work/Equipment proposed to be added after COD upto Cut off Date/ beyond Cut-off Date	Amount capitalized /Proposed to be capitalized (Rs Lakh)	New or Replacement	SUB STATION or LINE or COMMUNICA TION	NAME	COD of old asset (in case of replaced items)	Justification	Regulations under which covered	Admitted Cost ¹ (Rs Lakh)
(1)	(2)	(3)	(4)					(5)	(6)	(7)
		F.Y 2019-20								
1	2019-20	400 KV ISTS Line (LILO RTPS)							14(1)(i)	
		TOTAL (2019-20)	0.00							
		F.Y 2020-21								
1	2020-21	400 KV ISTS Line (LILO RTPS)							14(1)(i)	
		TOTAL (2020-21)	0.00							
		F.Y 2021-22								
1	2021-22	400 KV ISTS Line (LILO RTPS)							14(3)(v)	
		Total (2021-22)	0.00							
		F.Y 2022-23								
1	2022-23	400 KV ISTS Line (LILO RTPS)							14(3)(v)	
		TOTAL (2022-23)	0.00							
		F.Y 2023-24								
1	2023-24	400 KV ISTS Line (LILO DSTPS)							14(3)(v)	
		TOTAL (2023-24)	0.00							



Calculation of Return on Equity at Normal Rate

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS) (Amt. in Lakhs)

S.N o.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1.1	Equity as on COD/Admitted equity #		651.72	651.72	651.72	651.72	651.72
1.2	Notional Equity for Add Cap after cut-off date		-	-	-	-	-
1.3	Notional Equity for Add Cap after completion of useful life		1	-	1	1	-
1.4	Total Equity		651.72	651.72	651.72	651.72	651.72
1.5	Return on Equity on project cost till Cutoff date		20.71%	20.71%	20.71%	20.71%	20.71%
1.6	Return on Equity on Add Cap		135.00	135.00	135.00	135.00	135.00

Note:- 1: * - To be calculated on average equity during the year.



Calculation of Weighted Average Rate of Interest on Actual Loans T&D

Name of the Petitioner

0

(Rs. Lakh)

FORM-9C

						(Rs. Lakh)
Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Long A DEC Long (For TA D)						
Loan-4 REC Loan (For T&D) Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	78,995.85	78,995.85
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	78,993.83	10,773.03
Add: Drawal(s) during the Year	73,729.40	00,403.07	05,190.08	31,930.29	-	
Less: Repayment (s) of Loans during the year	5,266.39	5,266,39	5,266.39	57,930.29		
Net loan - Closing	68,463.07	63,196.68	57,930.29	-	_	_
Average Net Loan	68,679.49	65,829.87	60,563.48	6,290.78	_	_
Rate of Interest on Loan on annual basis	10.15%	10.15%	10.15%	9.98%		
Interest on loan	6,970.97	6,681.73	6,147.19	627.82	-	-
Loan - 3 Punjab & Sind Bank Loan (For T&D)						
Gross loan - Opening				-	52,663.90	52,663.90
Cumulative repayments of Loans upto previous year				-	3,949.79	9,216.18
Net loan - Opening				-	48,714.11	43,447.72
Add: Drawal(s) during the Year				52,663.90		
Less: Repayment (s) of Loans during the year				3,949.79	5,266.39	5,266.39
Net loan - Closing		-	-	48,714.11	43,447.72	38,181.33
Average Net Loan pro-rated based on repayment date (see Note -5)		-	-	46,845.64	46,080.92	40,814.53
Rate of Interest on Loan on annual basis (refer Note below **)				7.80%	7.76%	8.72%
Interest on loan				3,653.96	3,577.99	3,559.01
Loan-4(i): Share of GoI Guaranteed DVC Bonds (Series - 14 - Rs. 4,400 Crore) (Drawn On 30.03.2012)						
Gross loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Cumulative repayments of Loans upto previous year	-	-	-	-	-	-
Net loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	-	-	-	-	-	-
Net loan - Closing	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Average Net Loan	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Rate of Interest on Loan on annual basis	10.30%	10.30%	10.80%	10.53%	10.44%	10.34%
Interest on loan	1,030.00	1,030.00	1,080.11	1,053.36	1,044.15	1,034.12
Total Loan						
Gross loan - Opening	88,995.85	88,995.85	88,995.85	88,995.85	141,659.75	141,659.75
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	82,945.64	88,212.03
Net loan - Opening	83,729.46	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72
Add: Drawal(s) during the Year	-	-	-	52,663.90	_	
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	61,880.08	5,266.39	5,266.39
Net loan - Closing	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72	48,181.33
Average Net Loan	78,679.49	75,829.87	70,563.48	63,136.42	56,080.92	50,814.53
Interest on loan	8,000.97	7,711.73	7,227.31	5,335.14	4,622.14	4,593.13

Note:

1.In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

Calculation of Interest on Normative Loan

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	4	5	6	7	8
Gross Normative loan - Opening	1520.69	1520.69	1520.69	1520.69	1520.69
Cumulative repayment of Normative Loan upto previous year	251.6	373.7	492.7	605.3	721.1
Net Normative loan - Opening	1269.1	1147.0	1027.9	915.4	799.6
Add: Increase due to addition during the year / period	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to repayment during the year / period	122.09	119.05	112.53	115.79	122.74
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
Net Normative loan - Closing	1147	1028	915	800	677
Average Normative Loan	1208.04	1087.47	971.68	857.52	738.26
Weighted average Rate of Interest of actual Loans	10.17%	10.24%	8.45%	8.24%	9.04%
Interest on Normative loan	122.86	111.38	82.11	70.68	66.73

Note:

1. At the time of true-up net savings as a result of refinancing of loans may be provided along



Calculation of Depreciation Rate on Original Project Cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Amount in Rs. Lakh

Sl. no.	Name of the Assets ¹	Gross Block as on 31.03.2019 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.24	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.24
	1	2	3	4= Col.2 X Col.3
1	Land			
2	Building			
3	and so on			
4				
	TOTAL			
	Weighted Average Rate of Depreciation of 2019-20 (%) *		5.62%	
	Weighted Average Rate of Depreciation 2020-21 (%) *		5.48%	
	Weighted Average Rate of Depreciation 2021-22 (%) *		5.18%	
	Weighted Average Rate of Depreciation 2022-23 (%) *		5.33%	
	Weighted Average Rate of Depreciation 2023-24 (%) *		5.65%	

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

Note: * Rate of depreciation is considered as in FY 2018-19



Statement of Depreciation

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Sl. No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(4)	(5)	(6)	(7)	(8)	(9)
1	Opening Capital Cost	2017.48	2172.41	2172.41	2172.41	2172.41	2172.41
2	Closing Capital Cost	2172.41	2172.41	2172.41	2172.41	2172.41	2172.41
3	Average Capital Cost	2094.95	2172.41	2172.41	2172.41	2172.41	2172.41
4	Freehold land	0.00	0.00	0.00	0.00	0.00	0.00
5	Rate of depreciation	7.75%	5.62%	5.48%	5.18%	5.33%	5.65%
6	Depreciable value	1885.45	1955.17	1955.17	1955.17	1955.17	1955.17
7	Balance useful life at the beginning of the period						
8	Remaining depreciable value #	1633.86	1703.57	1581.48	1462.43	1349.90	1234.11
9	Depreciation (for the period)	162.40	122.09	119.05	112.53	115.79	122.74
10	Depreciation (annualised)	162.40	122.09	119.05	112.53	115.79	122.74
11	Cumulative depreciation at the end of the period	251.6	373.69	492.74	605.27	721.06	843.80
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	0.00	0.00	0.00	0.00	0.00	0.00
13	Net Cumulative depreciation at the end of the period	251.60	373.69	492.74	605.27	721.06	843.80

1. In case of details of FERV and AAD, give information for the applicable period.

PART-III FORM-11

Calculation of Interest on Working Capital

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	5	6	7	8	9
1	O & M Expenses	6.13	6.35	6.57	6.80	7.04
2	Maintenance Spares	11.04	11.43	11.83	12.25	12.67
3	Receivables	58.53	56.83	53.61	52.86	53.16
4	Total Working Capital	75.70	74.61	72.02	71.91	72.88
5	Rate of Interest	12.05%	11.25%	10.50%	10.50%	12.00%
6	Interest on Working Capital	9.12	8.39	7.56	7.55	8.75



Normative O & M Expenses details for LILO - DSTPS Transmission Line Sub Station (Bays)

Name of the Petitioner: Damodar Valley Corporation Name of the Region: Eastern Region

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

PART-111 Appen-1

			()&M Rate (R	s in lakhs/bay	v)	Amount
SI No.	Sub Station		765kV	400 KV	220 KV	132 KV and	(Rs in
	2040.20					helow	Lakhs
1	2019-20		45.01	32.15	22.51	16.08	
2	2020-21	_	46.6	33.28	23.3	16.64	
3	2021-22 2022-23		48.23	34.45	24.12	17.23	
5	2022-23		49.93 51.68	35.66	24.96	17.83 18.46	
3	2023-24		51.08	36.91	25.84	132 KV and	
NII	MBER OF SUB-STATION BAYS (LII	O DETPS)	765kV	400 KV	220 KV	below	
	TING AS ON 31.03.219 & CONSIDERE			_		BCION	(12
				2			64.3
	I		019-20				
	P 11 - 1 1 2010 20	COD					
	Bays added during 2019-20 TOTAL 2019-20		0	2	0	0	64.300
	TOTAL 2019-20	EV 2	020-21		U	U	04.300
	Existing on 31st March 2020	COD	020-21	2	0	0	0.000
	TOTAL 2020-21	СОБ	0	2	0	0	66.560
	101AL 2020-21	FV 2	021-22			0	00.300
	Existing on 31st March 2021	COD	0	2	0	0	0.000
	TOTAL 2021-22		0	2	0	0	68.90
	101112 2021 22	FY 2	022-23	_		, ,	00170
	Existing on 31st March 2022	COD	0	2	0	0	
	TOTAL 2022-23		0	2	0	0	71.320
		FY 2	023-24				
	Existing on 31st March 2023		0	2	0	0	
	TOTAL 2023-24	COD	0	2	0	0	73.820
		TRANSMI	SSION LINE				
			& M				
		I	ine	Data (De in	ı lakhs/km)		
				` `			
			S/C Single	D/C Single	D/C Double	D/C Four	
			Conductor	Conductor	Conductor	Conductor	
1	2019-20		0.252	0.377	0.881	1.322	
2	2020-21		0.26	0.391	0.912	1.368	
3	2021-22		0.27	0.404	0.944	1.416	
4	2022-23		0.279	0.419	0.977	1.466	
5	2023-24		0.289	0.433	1.011	1.517	
				K	M		Amoun
SI No.	Line		S/C Single	D/C Single	D/C Double	D/C Four	(Rs ir
			Conductor	Conductor	Conductor	Conductor	Lakhs
	1		019-20				
	T	COD			10.772		
	Existing on 31st March 2019		0	0	10.563	0	9.306
	TOTAL 2019-20	FV 2	020-21	0	0	0	0.000
	Existing on 31st March 2020	COD	0	0	10.563	0	9.633
	TOTAL 2020-21 ADDITION		0	0	0	0	0.000
		FY 2	021-22	•	•		
	Existing on 31st March 2021	COD	0	0	10.563	0	9.971
	TOTAL 2021-22 ADDITION		0.000	0.000	0.000	0.000	0.000
			022-23				
	Existing on 31st March 2022	COD	0	0	10.563	0	10.320
	TOTAL 2022-23 ADDITION		0	0	0	0	0.000
	1		023-24				
	Existing on 31st March 2023 TOTAL 2023-24 ADDITION	COD COD	0 0 0	0	10.563	0	10.679

Note:

O & M (Rs. In Lakhs) for New Elements Added during 2019-24											
	2019-20	2020-21	2021-22	2022-23	2023-24						
Transmission Line	9.31	9.63	9.97	10.32	10.68						
Sub Station	64.30	66.56	68.90	71.32	73.82						
Total -Transmission O&M	73.61	76.19	78.87	81.64	84.50						
GRAND TOTAL O&M	73.61	76.19	78.87	81.64	84.50						



Statement of capital cost

Name of the Petitioner: Damodar Valley Corporation Name of the Region: Eastern Region Name of the Project: Transmission & Distribution System

PART-III Appen-2

(Rs in Lakhs)

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

PARTICULARS	Capital cost as on 1.4.2019			TRUE UF	•	
CANTAL COST AND ADD CAD		2019-20	2020-21	2021-22	2022-23	2023-24
CAPITAL COST AND ADD CAP	2172.410	0.00	0.00	0.00	0.00	0.00
ADDITIONAL CAPITALIZATION		0.00	0.00	0.00	0.00	0.00
DECAPITALISATION CHARLES OF THE CAPITAL COST	2172 41	0.00	0.00 2172.41	0.00 2172.41	0.00 2172.41	0.00 2172.41
CUMMULATIVE CAPITAL COST	2172.41	2172.41				
AVERAGE		2172.41	2172.41	2172.41	2172.41	2172.41
EQUITY ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.00
EQUITY REDUCTION DUE TO DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
CUMMULATIVE EQUITY	651.72	651.72	651.72	651.72	651.72	651.72
AVERAGE		651.72	651.72	651.72	651.72	651.72
NORMATIVE LOAN ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.00
LOAN REDUCTION DUE TO DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
CUMMULATIVE LOAN	1520.69	1520.69	1520.69	1520.69	1520.69	1520.69
AVERAGE						
DEPRECIATION						
CAPITAL COST OPENING	2172,410	2172.41	2172,41	2172.41	2172.41	2172.41
CAPITAL COST CLOSING		2172.41	2172.41	2172.41	2172.41	2172.41
AVERAGE CAPITAL COST		2172.41	2172.41	2172.41	2172.41	2172.41
RATE OF DEPRECIATION		5.62%	5.48%	5.18%	5.33%	5.65%
FREEHOLD LAND		0.00	0.00	0.00	0.00	0.00
90% DEPRECIABLE VALUE EXCLUDING LAND & LAND RIGHTS		1955.17	1955.17	1955.17	1955.17	1955.17
CUMULATIVE DEPRECIATION AS ON 1ST APRIL		251.60	373.69	492.74	605.27	721.06
ADJUSTMENT OF CUM. DEPR. DUE TO UNDISCHARGED LIABILITY UP TP PREV. YEAR		0.00	0.00	0.00	0.00	0.00
ADJUSTED CUM. DEPR. AS ON 1ST APRIL		251.60	373.69	492.74	605.27	721.06
BALANCE DPRECIABLE VALUE		1703.57	1581.48	1462.43	1349.90	1234.11
DEPRECIATION TO BE RECOVERED		122.09	119.05	112.53	115.79	122.74
CUMMALATIVE DEPRECIATION		373.69	492.74	605.27	721.06	843.80
CUMMALATIVE DEPRECIATION ADJUSTMENT ON ACCOUNT OF DISCHARGE OF LIABILITIES		0.00	0.00	0.00	0.00	0.00
ADJUSTMENT OF DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
NET CUMULATIVE DEPRECIATION AT THE END OF THE PERIOD		373.69	492.74	605.27	721.06	843.80

Note :- 400 kV LILO DSTPS, LILO RTPS, DSTPS-RTPS Transmission Lines owned by DVC declared ISTS by ERPC.



Calculation of Savings due to Loan Re-financing

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

(Amount in Rs. Lakh)

Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Loan-1 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Rate of Interest on Loan on annual basis	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Total Loan						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Weighted average Rate of Interest on Loans	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%
Computation of net savings on interest due to loan r	e-financing:					
Particulars		2019-20	2020-21	2021-22	2022-23	2023-24
Average Normative loan (refer Form-9E)		1,208.04	1,087.47	971.68	857.52	738.26
Weighted Average Rate of Interest on Loans - without lo		11.09%	11.09%	11.09%	11.09%	11.09%
Interest on normative loan - without loan re-financing (A		133.97	120.60	107.76	95.10	81.87
Actual Weighted Average Rate of Interest on Loans - wi financing (refer Form-9E)	th loan re-	10.17%	10.24%	8.45%	8.24%	9.04%
Interest on normative loan - with loan re-financing (refe	r Form-9E) (B)	122.86	111.38	82.11	70.68	66.73
Net savings on interest due to loan re-financing (C = A	- B)	11.12	9.22	25.65	24.42	15.14
DVC's share in the net savings on interest due to loa per Reg. 61(1) of CERC Tariff Regulations 2019 (D		5.56	4.61	12.83	12.21	7.57

Note:

1.In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.



TARIFF FILING FORMS FOR

ISTS SYSTEM - DSTPS-RTPS LINE

FOR DETERMINATION OF TARIFF
FOR 2019-24 PERIOD

ANNEXURE - D



INDEX

PART-III

Checklist of Forms and other information/ documents for tariff filing for
Transmission System & Communication System

Form No.	Title of Tariff Filing Forms (Transmission & Communication System)	Tick
FORM- 1	Summary Sheet	$\sqrt{}$
FORM-2	Details of Transmission Lines and Substations, Communication System	V
FORM-3	Normative parameters considered for tariff computations	√
FORM- 4	Abstract of admitted parameters for the existing transmission assets/elements	X
FORM- 4A	Statement of Capital cost	X
FORM- 4B	Statement of Capital Works in Progress	X
FORM- 4C	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Project/Element	X
FORM-5	Element wise Break-up of Project/Asset/Element Cost for Transmission System	X
FORM-5A	Break-up of Construction/Supply/Service packages	X
FORM-5B	Details of all the assets covered in the project	X
FORM- 6	Financial Package upto COD	X
FORM- 7	Statement of Additional Capitalisation after COD	√
FORM- 7A	Financing of Additional Capitalisation	X
FORM- 7B	Statement of Additional Capitalisation during fag end* of the Project	X
FORM- 8	Calculation of Return on Equity	√
FORM-8A	Details of Foreign Equity	X
FORM-9	Details of Allocation of corporate loans to various transmission elements	X
FORM-9A	Details of Project Specific Loans	X
FORM-9B	Details of Foreign loans	X
FORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	√
FORM-9D	Loans in Foreign Currency	X
FORM-9E	Calculation of Interest on Normative Loan	√
FORM- 10	Calculation of Depreciation Rate on original project cost Statement of Depreciation	√ √
FORM- 10A FORM- 10B	*	X
	Statement of De-capitalisation	
FORM- 11	Calculation of Interest on Working Capital Details of time over run	X
FORM- 12		X
FORM- 12A	Incidental Expenditure during Construction Calculation of IDC & Financing Charges	X
FORM- 12B FORM- 13	Details of Initial spares	X
FORM- 14	Non-Tariff Income	X
FORM- 15	Summary of issue involved in the petition	<i>X</i> √
Appen-1	O & M Expenses details	√
Appen-2	Indput Data	, √
		√
Appen-3	Calculation of Savings due to Loan Re-financing Sanction Order	√ x
	Calculation of Savings due to Loan Re-financing Sanction Order	<u> </u>
Appen-3 Appen-4	Calculation of Savings due to Loan Re-financing Sanction Order	<u> </u>
Appen-3 Appen-4 Other Information/	Calculation of Savings due to Loan Re-financing Sanction Order Documents	x
Appen-3 Appen-4 Other Information/	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document	x
Appen-3 Appen-4 Other Information/ Sl. No.	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business,	x Tick
Appen-3 Appen-4 Other Information/ Sl. No.	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s)	x Tick
Appen-3 Appen-4 Other Information/ Sl. No.	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC)	x Tick
Appen-3 Appen-4 Other Information/ Sl. No.	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts	Tick X
Appen-3 Appen-4 Other Information/ Sl. No.	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years.	Tick X
Appen-3 Appen-4 Other Information/ Sl. No. 1	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years. Copies of relevant loan Agreements	Tick X X X
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Appen-3 Appen-4 Other Information/ Sl. No. 1	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years. Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the	Tick X X X
Appen-3 Appen-4 Other Information/ Sl. No. 1 2 3 4 5	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years. Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity.	X Tick X X X X X
Appen-3 Appen-4 Other Information/ SI. No. 1 2 3 4	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years. Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any	X Tick X X X X
Appen-3 Appen-4 Other Information/ Sl. No. 1 2 3 4 5	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years. Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity.	X X X X X X X X
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Appen-3 Appen-4 Other Information/ Sl. No. 1 2 3 4 5	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years. Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted:	X X X X X X X X
Appen-3 Appen-4 Other Information/ Sl. No. 1 2 3 4 5	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years. Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report	X X X X X X X X X X
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Appen-3 Appen-4 Other Information/ SI. No. 1 2 3 4 5 6 7	Calculation of Savings due to Loan Re-financing Sanction Order Documents Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years. Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2019-20 and 2020-21 at the time of mid-term true-up in 2021- 22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished. BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the available information with BBMB. BBMB may modify formats suitably as per available information to them for submission of	Tick X X X X X X X X X X X X X X X

Note1: Electronic copy of the petition (in word format) and detailed calculation as per these formats (in excel format) and any other information submitted shall also be furnished in the form of CD/Flopp of the contract of



Summary Sheet

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

S.N o.	Particulars	unit	Form Reference	2019-20	2020-21	2021-22	2022-23	2023-24
1	2		3	4	5	6	7	8
A	Cost components as per Regulations 30, 31, basis of availability	32, 33, 34, 35 of t	he CERC (Terms	and Condition	ns of Tariff) R	egulations, 201	19, to be recove	ered on the
A.1	Depreciation	Rs Lakhs	Form-10A	834.88	814.09	769.52	791.80	839.34
A.2	Interest on Loan	Rs Lakhs	Form-9E	746.39	667.26	483.60	407.34	373.02
A.3	Return on Equity ¹	Rs Lakhs	Form-8	923.14	923.14	923.14	923.14	923.14
A.4	Interest on Working Capital	Rs Lakhs	Form-11	46.44	42.20	37.25	36.74	42.07
A.5	O & M Expenses	Rs Lakhs	Appen-I-O & M (2019-24)	189.83	196.50	203.41	210.54	217.90
	Sub-total: A	Rs in Lakh		2740.68	2643.19	2416.92	2369.57	2395.47
В	Cost components as per Regulation 34 (3) (coorders, and the DVC Act, to be recovered in		,	d Conditions	of Tariff) Regi	ılations 2019,	Subsequent Cl	ERC/Court
B.1	DVC's share of savings in interest cost due to loan restructuring	Rs in Lakh	Appen-3 Loan Restr Savings	33.77	27.61	75.54	70.38	42.32
	Sub-total: B	Rs in Lakh		33.77	27.61	75.5	70.4	42.3
	Grand Total	Rs in Lakh		2774.45	2670.81	2492.46	2439.95	2437.79

Note

1: Details of calculations, considering equity as per regulation, to be furnished (As per Form 8).

DETAILS OF TRANSMISSION LINES & SUBSTATIONS & COMMUNICATION SYSTEM

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

Transmission Lines:

S. No.	Name of lin		Type of line	S/C or D/C	No. of Sub-	Voltage	Line length	Line length	Date of Commercial		red in the nt petition
S. 1v0.	Ivame of fin	ic .	AC/HVDC	S/C OF D/C	Conducto rs	level kV	Ckt km.	km	operation	Yes/No	If No, petition No.
	EXISTING L	INES									
1	Single Circuit LILO of 400 KV D/O Jamshedpur (PG) at DSTPS Tw		AC	D/C	2	400 KV	7.78	3.89	1-Feb-11	Yes	
2	Single Circuit LILO of 400 KV D/0 Ranchi(PG) at RTPS (DOCO 01.07		AC	D/C	2	400 KV	21.126	10.563	1-Jul-12	Yes	
3	Double Circuit 400 KV DSTPS - R (DOCO 01.08.2013)	TPS Twin Moose	AC	D/C	2	400 KV	139	69.5	1-Aug-13	Yes	
	NEW LIN	ES									
4	Double Circuit 400 KV RTPS – Ranchi (PG) Quad Moose Conductor		AC	D/C	4	400 KV	311	155.5	30.08.2017	Yes	
Subst	ations:				1				1		
Subst		Type of Substation Conventional(Greenfield/		No. of transformers		N	o. of Bays		Date of	Covered in the present petition	
S.NO.	Name of Sub-station	Brownfield)/ GIS/ HVDC terminal/ HVDC Back to Back	Voltage level kV	/Reactors/ SVC etc. (with capacity)	765 kV	400 kV	220 kV	132 kV & Below	Commercial operation	Yes/No	If No, petition No.
1	TWO NOS. 400 KV BAYS FOR DSTPS(ANDAL)- RTPS(RAGHUNATHPUR) TRANSMISSION LINE AT RTPS END		400KV			2			01.08.2013	Yes	
2	TWO NOS. 400 KV BAYS FOR DSTPS(ANDAL)- RTPS(RAGHUNATHPUR) TRANSMISSION LINE AT DSTPS(ANDAL) END		400KV			2			01.08.2013	Yes	

Normative parameters considered for tariff computations

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

Year Ending March **Particulars** Unit 2019-20 2020-21 2021-22 2022-23 2023-24 **(2) (3) (4) (5) (6) (7) (1)** Base Rate of Return on Equity % 15.50% 15.50% 15.50% 15.50% 15.50% Tax Rate % 25.17% 25.17% 25.17% 25.17% 25.17% % 25.17% 25.17% 25.17% 25.17% 25.17% Effective tax rate¹ Target Availability % 98 98 98 98 98 Normative O&M per km Rs. Lakh Single Circuit (Bundled Conductor with six or more sub-conductor) 0.881 0.912 0.944 0.977 1.011 Single Circuit (Bundled Conductor with four sub-conductors) 0.755 0.781 0.809 0.837 0.867 Single Circuit (Twin & Triple conductor) 0.503 0.521 0.539 0.558 0.578 Single Circuit (Single conductor) 0.252 0.26 0.27 0.279 0.289 Double Circuit (Bundled Conductor with four or more sub-1.322 1.368 1.416 1.466 1.517 conductors) Double Circuit (Twin & Triple conductor) 0.912 0.944 0.977 0.881 1.011 0.404 Double Circuit (Single conductor) 0.377 0.391 0.419 0.433 Multi Circuit (Bundled Conductor with four or more sub-conductors) 2.319 2.401 2.485 2.572 2.662 Multi Circuit (Twin & Triple conductor) 1.544 1.598 1.654 1.713 1.773 Normative O&M per bay Rs. Lakh 765 kV 45.01 46.6 48.23 49.93 51.68 400 kV 32.15 33.28 34.45 35.66 36.91 220 kV 22.51 23.3 24.12 24.96 25.84 16.64 17.83 132 kV and below 16.08 17.23 18.46 Rs. Lakh Normative O&M for Transformers per MVA 765 kV 0.491 0.508 0.526 0.545 0.564 400 kV 0.398 0.358 0.371 0.384 0.411 220 kV 0.245 0.254 0.263 0.272 0.282 132 kV and below 0.245 0.254 0.263 0.272 0.282 Spares for WC as % of O&M % 15 15 15 Receivables in Days for WC Days 45 45 45 45 45 Bank Rate as on 1.04.2019 (SBI 1Y MCLR+350 basis points) 11.25% % 12.05% 10.50% 10.50% 12.00%



^{1.}To be supported by necessary documents and calculations. Effective tax rate is to be computed in accordance with Regulation 25 i.e. actual tax (or estimated tax)/gross income, where gross income refers the profit before tax.

^{2.}Mention relevant date

Statement of Additional Capitalisation after COD

PART-III Form7

Name of the Petitioner: Damodar Valley Corporation Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

COD 01-Aug-13

Sr. No.	Year	Work/Equipment proposed to be added after COD upto Cut off Date/ beyond Cut-off Date	Amount capitalized /Proposed to be capitalized (Rs Lakh)	Replaceme	SUB STATION or LINE or COMMUNIC ATION	NAME	COD of old asset (in case of replaced items)	Justification	Regulations under which covered	Admitted Cost ¹ (Rs Lakh)
(1)	(2)	(3)	(4)					(5)	(6)	(7)
		F.Y 2019-20								
1	2019-20	400 KV DSTPS-RTPS LINE							14(1)(i)	
		TOTAL (2019-20)	0.00							
	1	F.Y 2020-21								
1	2020-21	400 KV DSTPS-RTPS LINE							14(1)(i)	
		TOTAL (2020-21)	0.00							
		F.Y 2021-22								
1	2021-22	400 KV DSTPS-RTPS LINE							14(3)(v)	
		Total (2021-22)	0.00							
		F.Y 2022-23								
1	2022-23	400 KV DSTPS-RTPS LINE	0.00						14(3)(v)	
		TOTAL (2022-23)	0.00							
		F.Y 2023-24								
1	2023-24	400 KV DSTPS-RTPS LINE							14(3)(v)	
		TOTAL (2023-24)	0.00							



PART-III Form-8

Calculation of Return on Equity at Normal Rate

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

(Amt. in Lakhs)

S.N o.	Particulars	2019-20	2019-20 2020-21 2021-22		2022-23	2023-24
1	2	4	5	6	7	8
1.1	Equity as on COD/Admitted equity #	4,456.68	4,456.68	4,456.68	4,456.68	4,456.68
1.2	Notional Equity for Add Cap after cut-off date	-	-	-	-	-
1.3	Notional Equity for Add Cap after completion of useful life	-	-	1	-	-
1.4	Total Equity	4,456.68	4,456.68	4,456.68	4,456.68	4,456.68
1.5	Return on Equity on project cost till Cutoff date	20.71%	20.71%	20.71%	20.71%	20.71%
1.6	Return on Equity on Add Cap	923.14	923.14	923.14	923.14	923.14

Note:- 1: * - To be calculated on average equity during the year.



	. D	e T	4 / 17	Tab		FORM-9C
Calculation of Weighted	Average Ra	te of Interest	on Actual L	oans T&D		
Name of the Petitioner	0					(Rs. Lakh
Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Loan-4 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	78,995.85	78,995.85
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	-	-
Add: Drawal(s) during the Year	-		00,170100	2,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	57,930.29		
Net loan - Closing	68,463.07	63,196.68	57,930.29	-	_	_
Average Net Loan	68,679.49	65,829.87	60,563.48	6,290.78	_	_
Rate of Interest on Loan on annual basis	10.15%	10.15%	10.15%	9.98%		
Interest on loan	6,970.97	6,681.73	6,147.19	627.82	-	-
A D I LAGI I D I LA GE TAD						
Loan - 3 Punjab & Sind Bank Loan (For T&D)					52 ((2.00	EQ ((Q Q Q
Gross loan - Opening				-	52,663.90	52,663.90
Cumulative repayments of Loans upto previous year				-	3,949.79	9,216.18
Net loan - Opening				-	48,714.11	43,447.72
Add: Drawal(s) during the Year				52,663.90		
Less: Repayment (s) of Loans during the year				3,949.79	5,266.39	5,266.39
Net loan - Closing Average Net Loan pro-rated based on repayment date (see		-	-	48,714.11	43,447.72	38,181.33
Note -5)		-	-	46,845.64	46,080.92	40,814.53
Rate of Interest on Loan on annual basis (refer Note below **)				7.80%	7.76%	8.72%
Interest on loan				3,653.96	3,577.99	3,559.01
Loan-4(i): Share of GoI Guaranteed DVC Bonds (Series - 14 - Rs. 4,400 Crore) (Drawn On 30.03.2012)						
Gross loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Cumulative repayments of Loans upto previous year	-	-	-	-	-	-
Net loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	-	-	-	-	-	-
Net loan - Closing	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Average Net Loan	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Rate of Interest on Loan on annual basis	10.30%	10.30%	10.80%	10.53%	10.44%	10.34%
Interest on loan	1,030.00	1,030.00	1,080.11	1,053.36	1,044.15	1,034.12
Total Loan						
Gross loan - Opening	88,995.85	88,995.85	88,995.85	88,995.85	141,659.75	141,659.75
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	82,945.64	88,212.03
Net loan - Opening	83,729.46	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72
Add: Drawal(s) during the Year	-		-	52,663.90	-	
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	61,880.08	5,266.39	5,266.39
Net loan - Closing	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72	48,181.33
Average Net Loan	78,679.49	75,829.87	70,563.48	63,136.42	56,080.92	50,814.53
Interest on loan	8,000.97	7,711.73	7,227.31	5,335.14	4,622.14	4,593.13
Weighted average Rate of Interest on Loans	10.17%	10.17%	10.24%	8.45%	8.24%	9.04%

Note:
1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

PART-III FORM- 9E

Calculation of Interest on Normative Loan

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

Amount in Rs. Lakhs

Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	3	4	5	6	7
Gross Normative loan - Opening	10398.91	10398.91	10398.91	10398.91	10398.91
Cumulative repayment of Normative Loan upto previous year	2642.20	3477.08	4291.17	5060.69	5852.49
Net Normative loan - Opening	7756.71	6921.83	6107.74	5338.22	4546.42
Add: Increase due to addition during the year / period	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to repayment during the year / period	834.88	814.09	769.52	791.80	839.34
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
Net Normative loan - Closing	6921.83	6107.74	5338.22	4546.42	3707.08
Average Normative Loan	7339.27	6514.79	5722.98	4942.32	4126.75
Weighted average Rate of Interest of actual Loans	10.17%	10.24%	8.45%	8.24%	9.04%
Interest on Normative loan	746.39	667.26	483.60	407.34	373.02

Note:

1. At the time of true-up net savings as a result of refinancing of loans may be provided along with adjustments of sharing.



PART-III FORM- 10

Calculation of Depreciation Rate on Original Project Cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

Amount in Rs. Lakh

Sl. no.	Name of the Assets ¹	Gross Block as on 31.03.2019 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.24	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.24
	1	2	3	4= Col.2 X Col.3
1	Land			
2	Building			
3	and so on			
4				
	TOTAL			
	Weighted Average Rate of Depreciation 2019-20 (%) *		5.62%	
	Weighted Average Rate of Depreciation 2020-21 (%) *		5.48%	
	Weighted Average Rate of Depreciation 2021-22 (%) *		5.18%	
	Weighted Average Rate of Depreciation 2022-23 (%) *		5.33%	
	Weighted Average Rate of Depreciation 2023-24 (%) *		5.65%	

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

Statement of Depreciation

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

(Amount in Rs. Lakhs)

						(Millount in K	s. Lakis)
Sl. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)
1	Opening Capital Cost	14896.65	14855.59	14855.59	14855.59	14855.59	14855.59
2	Closing Capital Cost	14855.59	14855.59	14855.59	14855.59	14855.59	14855.59
3	Average Capital Cost	14876.12	14855.59	14855.59	14855.59	14855.59	14855.59
4	Freehold land	0.00	0.00	0.00	0.00	0.00	0.00
5	Rate of depreciation	7.75%	5.620%	5.480%	5.180%	5.330%	5.650%
6	Depreciable value	13388.51	13370.03	13370.03	13370.03	13370.03	13370.03
7	Balance useful life at the beginning of the period						
8	Remaining depreciable value	10746.31	10727.83	9892.95	9078.86	8309.34	7517.54
9	Depreciation (for the period)	1153.20	834.88	814.09	769.52	791.80	839.34
10	Depreciation (annualised)	1,153.20	834.88	814.09	769.52	791.80	839.34
11	Cumulative depreciation at the end of the period	2642.20	3477.08	4291.17	5060.69	5852.49	6691.83
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	0.00	0.00	0.00	0.00	0.00	0.00
13	Net Cumulative depreciation at the end of the period	2642.20	3477.08	4291.17	5060.69	5852.49	6691.83

^{1.} In case of details of FERV and AAD, give information for the applicable period.



PART-III FORM-11

Calculation of Interest on Working Capital

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
	No of Days	366	365	365	365	366
1	O & M Expenses	15.82	16.38	16.95	17.55	18.16
2	Maintenance Spares	28.47	29.48	30.51	31.58	32.69
3	Receivables	341.12	329.28	307.29	300.82	299.73
4	Total Working Capital	385.41	375.13	354.75	349.94	350.57
5	Rate of Interest	12.05%	11.25%	10.50%	10.50%	12.00%
6	Interest on Working Capital	46.44	42.20	37.25	36.74	42.07



					Part III Form 15						
			Summar	y of issue involved in th							
1	Petitioner: DAM	ODAR VALLEY CORE	PORATION								
2	Subject		and Regulations 9 & 10 of carrying ISTS Power' [S/C	CERC (Terms and Conditions LILO of 400 KV D/C Durga	icity Act, 2003 and Regulation - 86 of CERC (Conduct of Business) Regulations, 1999 s of Tariff) Regulations, 2019 in respect of 'Non-ISTS 400 kV Transmission Lines pur (PG) – Jamshedpur (PG) at DSTPS; S/C LILO of 400 KV D/C Maithon (PG) – C 400 KV RTPS – Ranchi (PG)] of Damodar Valley Corporation for the tariff period						
3	(a) Determine th 31.03.2024 consis (b) Consider the Regulation 54 an (c) Allow DVC to to change in app without the need (d) The Tariff fo (Terms and Con provisions of Ces (e) In the circum beneficiaries by (f) Pass such fur	The petitioner respectfully prays before the Hon'ble Commission to: (a) Determine the tariff for the four nos. of 400 KV TRANSMISSION LINEs ('NON-ISTS LINE' CARRYING 'ISTS POWER') DVC network for the period 01.04.2019 to 31.03.2024 considering projected capital expenditure as furnished in the instant petition. (b) Consider the capital and other costs as proposed by DVC in the petition as well as in the formats attached to the petition by providing necessary relaxation in terms of Regulation 54 and 55, wherever applicable and further by applying the provisions of Part IV of the DVC Act, 1948; (c) Allow DVC to recover shortfall or refund the levies, filing fees, taxes, duties, cess, charges, fees etc., if any, excess Annual Fixed Charges, on account of Return on Equity due to change in applicable Minimum Alternate/Corporate Income Tax rate as per Income Tax Act. 1961 (as amended from time to time) of the respective financial year directly without the need to make any further application before the Commission as provided under clause 25 of the Tariff +Regulation 2014. (d) The Tariff for Transmission of Electricity (Annual Fixed Charges) as per para 14 (J) of petition, in accordance with Regulation 43 Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014. These charges shall be recovered on a monthly basis and the billing collection and disbursement shall be governed by the provisions of Central Electricity Regulatory Commission (sharing of interstate Transmission Charges and Losses) Regulations, 2010. (e) In the circumstances mentioned above it will be just and proper that the transmission tariff for the assets covered under this petition be allowed to be recovered from beneficiaries by considering the tariff determined herein by this Hon'ble Commission while determining the POC charges or as deemed fit by the Hon'ble Commission. (f) Pass such further order or orders as this Hon'ble Commission may deem just and proper in the facts and circumstances of the case.									
4	Respondents Name of Respon	dante									
	a.	West Bengal State Electr	ricity Distribution Company I State Electricity Board)	.imited.	Block `DJ'Sector-11, Salt Lake City, Kolkata – 700 091.						
	b.	Jharkhand Bijli Vitran N Previously Jharkhand Sta			Engineering Building, HEC, Dhurwa, Ranchi 834 004.						
	c.	Punjab State Power Corp (Erstwhile Punjab State I			Interstate Billing, Shed No. TI-A), Patialia-147 001						
	d.	Kerala State Electricity I	Board Limited	8th Floor, Vidyuthi Bhawan, Thiruvananthapuram–695 004							
	e.		e Centre ana Bijlee Vitaran Nigam ryana Bijlee Vitaran Nigam		Sector 6, Shakti Bhawan, Panchkula, Haryana-134109						
	f.	Bengaluru Electricity Su	oply Company Limited		K.R.Circle, Bangalore-560001						
5				Investment approval date Scope of work details SCOD as per investment approval Actual COD claimed under regulation (as per grid code): Ref: Form-2 RPC/SCM approval (Date of meeting) Time overrun (brief detail of reason) Capital Cost (Brief details of cost overrun reasons): Rs. 14973.43 Lakhs (as on 01.04.2019)(Ref: Appendix-1 Sheet) O&M expense (Claimed): (Ref: Appendix-1 for Computation) Connectivity diagram or SLD							
	Cost										
Claim	Commissioning										
	_			Claimed in this petition:							
DADTA	2019-20	2020-21	2021-22	2022-23	2023-24						
PART-A PART-B	2740.7 33.8	2643.2 27.6	2416.9 75.5	2369.6 70.4	2395.5 42.3						
TOTAL	2774.45	2670.81	2492.46	2439.95	2437.79						
			Capital cost Initial Spare								
			NATAF								
			Any specific	77	11:03:03						

Normative O & M Expenses details for LILO - DSTPS Transmission Line Sub Station (Bays) Name of the Petitioner: Damodar Valley Corporation PART-III Name of the Region: Eastern Region Appendix-1 Name of the Project: Transmission & Distribution System Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS) O&M Rate (Rs in lakhs/bay) Amount (Rs in SI No. **Sub Station** 132 KV and Lakhs) 765kV 400 KV 220 KV below 2019-20 45.01 32.15 22.51 16.08 2020-21 46.6 33.28 23.3 16.64 2021-22 48.23 34.45 24.12 17.23 2022-23 49.93 35.66 24.96 17.83 2023-24 36.91 25.84 18.46 132 KV and 765kV 400 KV 220 KV below NUMBER OF SUB-STATION BAYS (LILO DSTPS) EXISTING AS ON 31.03.219 & CONSIDERED FOR O&M FY2019-20 COD 1 Existing on 31st March 2019 TOTAL 2019-20 0 0 0 128.600 FY 2020-21 2 Existing on 31st March 2020 COD 0 4 0 0 133,120 TOTAL 2020-21 0 4 0 0 133.120 3 Existing on 31st March 2021 COD 0 4 0 0 137.80 TOTAL 2021-22 137.80 FY 2022-23 4 Existing on 31st March 2022 142.640 COD 0 0 TOTAL 2022-23 142.640 FY 2023-24 5 Existing on 31st March 2023 COD 0 0 147.640 TOTAL 2023-24 LINE 0 & M Line Rate (Rs in lakhs/km) Line S/C Single D/C Single D/C Double D/C Four Conductor Conductor Conductor Conductor 2019-20 0.252 0.377 0.881 2020-21 0.26 0.391 0.912 1.368 2021-22 0.27 0.404 0.944 1.416 2022-23 0.279 0.419 0.977 1.466 2023-24 0.289 1.517 0.433 1.011 Amount (Rs in SI No. Line D/C Single D/C Double D/C Four S/C Single Lakhs Conductor Conductor Conductor Conductor FY2019-20 COD Existing on 31st March 2019 0 0 69.5 0 61.230 TOTAL 2019-20 0 0 0 0 0.000 FY 2020-21 69 5 Existing on 31st March 2020 COD 0 O 63.384 TOTAL 2020-21 ADDITION 0 0 0 0 0.000 FY 2021-22 Existing on 31st March 2021 COD 0 0 69.5 0 65.608 TOTAL 2021-22 ADDITION 0.000 0.000 0.000 0.000 0.000 FY 2022-23 Existing on 31st March 2022 COD 0 0 69.5 0 67.902 0.000 TOTAL 2022-23 ADDITION 0 0 0 0 FY 2023-24 Existing on 31st March 2023 TOTAL 2023-24 ADDITION COD 69.5 70.265 0 0 0 0.000 Note: O & M (Rs. In Lakhs) for New Elements Added during 2019-24 2019-20 2020-21 2022-23 2023-24 2021-22 Transmission Line 61.23 63.38 65.61 67.90 70.26 Sub Station 128.60 133.12 137.80 142.64 147.64 189.83 196.50 203.41 210.54 217.90 Total -Transmission O&M

196.50

203.41

189.83

210.54

217.90

GRAND TOTAL O&M

Statement of capital cost

Name of the Petitioner: Damodar Valley Corporation
Name of the Region: Eastern Region
Name of the Project: Transmission & Distribution System
Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

(Rs in Lakhs)

PART-III Annexure-2

	Capital cost			TRUE UP	(1)	S III Lakiis)
PARTICULARS	as on 1.4.2019	2019-20	2020-21	2021-22	2022-23	2023-24
CAPITAL COST AND ADD CAP	14855.59					
ADDITIONAL CAPITALIZATION		0.00	0.00	0.00	0.00	0.00
DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
CUMMULATIVE CAPITAL COST	14855.59	14855.59	14855.59	14855.59	14855.59	14855.59
AVERAGE	- 1000107	14855.59				14855.59
EQUITY ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.00
EQUITY REDUCTION DUE TO DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
CUMMULATIVE EQUITY	4456.68	4456.68	4456.68	4456.68	4456.68	4456.68
AVERAGE		4456.68	4456.68	4456.68	4456.68	4456.68
NORMATIVE LOAN ADDED DURING THE						
YEAR		0.00	0.00	0.00	0.00	0.00
LOAN REDUCTION DUE TO DECAPITALISATION						
CUMMULATIVE LOAN	10398.91	10398.91	10398.91	10398.91	10398.91	10398.91
AVERAGE		10398.91	10398.91	10398.91	10398.91	10398.91
DEPRECIATION						
CAPITAL COST OPENING	14855.59	14855.59	14855.59	14855.59	14855.59	14855.59
CAPITAL COST CLOSING		14855.59	14855.59	14855.59	14855.59	14855.59
AVERAGE CAPITAL COST		14855.59	14855.59	14855.59	14855.59	14855.59
RATE OF DEPRECIATION		5.620%	5.480%	5.180%	5.330%	5.650%
FREEHOLD LAND						
90% DEPRECIABLE VALUE EXCLUDING LAND & LAND RIGHTS		13370.03	13370.03	13370.03	13370.03	13370.03
CUMULATIVE DEPRECIATION AS ON 1ST APRIL		2642.20	3477.08	4291.17	5060.69	5852.49
ADJUSTMENT OF CUM. DEPR. DUE TO UNDISCHARGED LIABILITY UP TP PREV. YEAR		0.00	0.00	0.00	0.00	0.00
ADJUSTED CUM. DEPR. AS ON 1ST APRIL		2642.20	3477.08	4291.17	5060.69	5852.49
BALANCE DPRECIABLE VALUE		10727.83	9892.95	9078.86	8309.34	7517.54
DEPRECIATION TO BE RECOVERED		834.88	814.09	769.52	791.80	839.34
CUMMALATIVE DEPRECIATION		3477.08	4291.17	5060.69	5852.49	6691.83
CUMMALATIVE DEPRECIATION ADJUSTMENT ON ACCOUNT OF DISCHARGE OF LIABILITIES		0.00	0.00	0.00	0.00	0.00
ADJUSTMENT OF DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
NET CUMULATIVE DEPRECIATION AT THE END OF THE PERIOD		3477.08	4291.17	5060.69	5852.49	6691.83

Note :- 400 kV LILO DSTPS, LILO RTPS, DSTPS-RTPS Transmission Lines owned by DVC declared ISTS by ERPC.



Calculation of Savings due to Loan Re-financing

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

(Amount in Rs. Lakh)

Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Loan-1 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Rate of Interest on Loan on annual basis	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Total Loan						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Weighted average Rate of Interest on Loans	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%

Computation of net savings on interest due to loan re-financing

Computation of net savings on interest due to loan re-financing:	2010.20	2020.21	2021.22	2022 22	2022.24
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Average Normative loan (refer Form-9E)	7,339.27	6,514.79	5,722.98	4,942.32	4,126.75
Weighted Average Rate of Interest on Loans - without loan re- financing	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on normative loan - without loan re-financing (A)	813.93	722.49	634.68	548.10	457.66
Actual Weighted Average Rate of Interest on Loans - with loan re- financing (refer Form-9E)	10.17%	10.24%	8.45%	8.24%	9.04%
Interest on normative loan - with loan re-financing (refer Form-9E)	746.39	667.26	483.60	407.34	373.02
Net savings on interest due to loan re-financing (C = A - B)	67.54	55.23	151.08	140.76	84.64
DVC's share in the net savings on interest due to loan re-financing as per Reg. 61(1) of CERC Tariff Regulations 2019 (D = C/2)	33.77	27.61	75.54	70.38	42.32

Note:

1.In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.



TARIFF FILING FORMS FOR

400 KV RAGHUNATHPUR(RTPS)-RANCHI TRANSMISSION LINE-QUAD MOOSE CONDUCTOR

FOR DETERMINATION OF TARIFF
FOR 2019-24 PERIOD

ANNEXURE - E



<u>C</u>	hecklist of Forms and other information/ documents for tariff filing for Transmission System & Communication System (2019-24 PERIOD)	PAR
Form No.	Title of Tariff Filing Forms (Transmission & Communication System)	Ticl
FORM- 1	Summary Sheet	1
ORM-2	Details of Transmission Lines and Substations, Communication System	V
FORM-3	Normative parameters considered for tariff computations	√
FORM- 4	Abstract of admitted parameters for the existing transmission assets/elements	X
FORM- 4A	Statement of Capital cost	X
FORM- 4B FORM- 4C	Statement of Capital Works in Progress Abstract of Capital Cost Estimates and Schedule of Commissioning for the New	X
FORM-5	Project/Element Element wise Break-up of Project/Asset/Element Cost for Transmission System	√
FORM-5A	Break-up of Construction/Supply/Service packages	X
FORM-5B	Details of all the assets covered in the project	X
FORM- 6	Financial Package upto COD	X V
FORM- 7 FORM- 7A	Statement of Additional Capitalisation after COD Financing of Additional Capitalisation	X
FORM- 7B	Statement of Additional Capitalisation during fag end of the Project	X
ORM- 8	Calculation of Return on Equity	11
FORM-8A	Details of Foreign Equity	X
FORM-9	Details of Allocation of corporate loans to various transmission elements	X
FORM-9A	Details of Project Specific Loans	X
FORM-9B	Details of Foreign loans	X
FORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	√ V
FORM-9D	Loans in Foreign Currency Calculation of Interest on Normative Loan	X √
FORM-9E		1 1
FORM- 10 FORM- 10A	Calculation of Depreciation Rate on original project cost Statement of Depreciation	1 1
ORM- 10A	Statement of De-capitalisation	X
ORM- 11	Calculation of Interest on Working Capital	1
ORM- 12	Details of time over run	X
FORM- 12A	Incidental Expenditure during Construction	X
ORM- 12B	Calculation of IDC & Financing Charges	X
FORM- 13	Details of Initial spares	X
ORM- 14	Non-Tariff Income	X
ORM- 15	Summary of issue involved in the petition	X
Appen-1	O & M Expenses details	√ √
Appen-2 Appen-3	Statement of capital cost (Input Data) Computation of Savings due Loan Refinancing	\ \ \ \
трреп-3	computation of Savings due Loan Remaining	
Other Information		Tic
Sl. No.	Information/Document Certificate of incorporation, Certificate for Commencement of Business,	110
	Memorandum of Association, & Articles of Association (For New Project(s)	X
	setup by a company making tariff application for the first time to CERC)	
<u>!</u>	Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System &	X
	Communication System for the relevant years.	<u> </u>
1	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and	X
ļ	Financial package.	X
;	Copies of the Equity participation agreements and necessary approval for the foreign equity.	X
	Copies of the BPTA/TSA/PPA with the beneficiaries, if any	X
	Detailed note giving reasons of cost and time over run, if applicable.	X
	List of supporting documents to be submitted: a.Detailed Project Report	
	b.CPM Analysis c.PERT Chart and Bar Chart	X
	d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along	-
	with cost accounting records, cost details, statements, schedules etc. for	
	the transmission system as submitted to the Govt. of India for first two	
3	years i.e. 2019-20 and 2020-21 at the time of mid-term true-up in 2021-	X
	22 and for balance period of tariff period 2019-24 at the time of final true-up in	1
	2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished.	
	BBMB is maintaining the records as per the relevant applicable	1
	Acts. Formats specified herein may not be suitable to the	
		l x
)	available information with BBMB. BBMB may modify formats	1 1
ı	available information with BBMB. BBMB may modify formats suitably as per available information to them for submission of	^
0		X



Summary Sheet

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose Conductor

							Amount Rs. in	Lakh
S.N o.	Particulars	Unit	Form Reference	2019-20	2020-21	2021-22	2022-23	2023-24
1	2		3	4	5	6	7	8
A	Cost components as per Regulations 30 of availability	, 31, 32, 33, 34, 35	of the CERC (Terms an	d Conditions o	f Tariff) Regu	lations, 2019, 1	to be recovered	l on the basis
1.1	Depreciation	Rs in Lakh	Form-10A	2629.24	2579.11	2441.24	2526.13	2690.14
1.2			Form-9E	2635.94	2403.88	1778.12	1544.91	1469.63
1.3			Form-8	2909.77	2923.53	2930.85	2947.35	2958.20
1.4	Interest on Working Capital	nterest on Working Capital Rs in Lakh		134.70	122.57	104.74	103.40	120.03
1.5	O & M Expenses	Rs in Lakh	Appen-1 O&M (2019- 24)	269.87	279.28	289.09	299.28	309.71
	Sub-total: A	Rs in Lakh		8,579.51	8,308.38	7,544.04	7,421.07	7,547.71
В	Cost components as per Regulation 34 Orders, and the DVC Act, to be recove		,	Conditions of T	Tariff) Regulat	tions 2019, Sub	osequent CERO	C/Court
1.9	DVC's share of savings in interest cost due to loan restructuring	Rs in Lakh	Appen-3-Loan Restr.	119.26	99.48	277.74	266.93	166.73
	Sub-total: B	Rs in Lakh		119.26	99.48	277.74	266.93	166.73
	Grand Total	Rs in Lakh		8698.77	8407.86	7821.78	7688.01	7714.44

Note

1: Details of calculations, considering equity as per regulation, to be furnished (As per Form 8).



DETAILS OF TRANSMISSION LINES & SUBSTATIONS & COMMUNICATION SYSTEM

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) — Quad Moose Conductor

Transmission Lines:

<u> 1 ransi</u>	nission Lines:										
S. No.	Name of	fline	Type of line	S/C or D/C	No. of Sub-	Voltage	Line length Ckt km.	Line length	Date of Commercial		red in the nt petition
			AC/HVDC		Conducto rs			km	operation	Yes/No	If No, petition No.
	EXISTING	LINES									
1	Single Circuit LILO of 40 (PG) – Jamshedpur (PG) Moose Conductor		AC	D/C	2	400 KV	7.78	3.89	1-Feb-11	Yes	
2	Single Circuit LILO of 40 (PG) – Ranchi(PG) at RT 01.07.2012)		AC	D/C	2	400 KV	21.126	10.563	1-Jul-12	Yes	
3	Double Circuit 400 KV D Twin Moose (DOCO 01.0		AC	D/C	2	400 KV	139	69.5	1-Aug-13	Yes	
	NEW L	INES									
4	Double Circuit 400 KV R Quad Moose Conductor	TPS – Ranchi (PG)	AC	D/C	4	400 KV	311	155.5	30.08.2017	Yes	
Subst	ations:						'				'
S NO	Name of	Type of Substation Conventional(Greenfiel d/ Brownfield)/ GIS/	Voltage	No. of transformers /Reactors/ SVC					Date of Commercial		red in the nt petition
5.110.	Sub-station	HVDC terminal/ HVDC Back to Back	level kV	etc. (with capacity)	765 kV	400 kV	220 kV	132 kV & Below	operation	Yes/No	If No, petition No.
1	TWO NOS. 400 KV BAYS FOR RTPS- RANCHI TRANSMISSION LINE AT RTPS END		400kV			2			30.08.2017	Yes	



Normative parameters considered for tariff computations

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS - Ranchi (PG) --- Quad Moose Conductor

Year Ending March **Particulars** Unit 2019-20 2020-21 2021-22 2022-23 2023-24 (1) (2) (3) (4) (5) (6) (7) Base Rate of Return on Equity 15.50% % 15.50% 15.50% 15.50% 15.50% 25.17% 25.17% 25.17% 25.17% 25.17% Tax Rate % % 25.17% 25.17% 25.17% 25.17% 25.17% Effective tax rate¹ Target Availability % 98 98 98 98 98 Normative O&M per km Rs. Lakh 0.881 0.912 0.944 0.977 1.011 Single Circuit (Bundled Conductor with six or more sub-conductor) 0.755 0.781 0.809 0.837 Single Circuit (Bundled Conductor with four sub-conductors) 0.867 0.539 0.503 0.521 0.558 Single Circuit (Twin & Triple conductor) 0.578 0.252 0.27 0.279 Single Circuit (Single conductor) 0.26 0.289 Double Circuit (Bundled Conductor with four or more sub-1.322 1.368 1.416 1.466 1.517 conductors) 0.881 0.912 0.944 0.977 1.011 Double Circuit (Twin & Triple conductor) 0.377 0.391 0.404 0.419 0.433 Double Circuit (Single conductor) Multi Circuit (Bundled Conductor with four or more sub-conductors) 2.319 2.401 2.485 2.572 2.662 Multi Circuit (Twin & Triple conductor) 1.544 1.598 1.654 1.713 1.773 Rs. Lakh Normative O&M per bay 765 kV 45.01 46.6 48.23 49.93 51.68 400 kV 32.15 33.28 34.45 35.66 36.91 220 kV 22.51 23.3 24.12 24.96 25.84 132 kV and below 17.83 16.08 16.64 17.23 18.46 Normative O&M for Transformers per MVA Rs. Lakh 765 kV 0.491 0.508 0.526 0.545 0.564 400 kV 0.358 0.371 0.384 0.398 0.411 220 kV 0.245 0.254 0.263 0.272 0.282 0.272 0.245 0.254 0.263 0.282 132 kV and below Spares for WC as % of O&M % 15 15 15 15 15 Receivables in days for WC 45 45 45 45 45 Days Bank Rate as on 1.04.2019 (SBI 1Y MCLR+350 basis points) 12.05% 11.25% 10.50% 10.50% 12.00% %

2.Mention relevant date



^{1.}To be supported by necessary documents and calculations. Effective tax rate is to be computed in accordance with Regulation 25 i.e. actual tax (or estimated tax)/gross income, where gross income refers the profit before tax.

Part-III Form7

Statement of Additional Capitalisation after COD

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS - Ranchi (PG) --- Quad Moose Conductor

Sr. No.	Year	Work/Equipment proposed to be added after COD upto Cut off Date/ beyond Cut-off Date	Amount capitalized /Proposed to be capitalized (Rs Lakh)	SUB STATION or LINE or COMMUNICA TION	NAME	Year of commissioning of old asset (in case of replacement)	Justification	Regulations under which covered	Admitted Cost(1) (Rs Lakh)
1	2	3	4				5	6	7
			443.07				Balance expenditure for construction of 400kV D/C RTPS – Ranchi (Quad Moose). The work of 400kV D/C RTPS – Ranchi (Quad Moose) line was taken up by DVC for evacuation of power and reliability at 400kV level. The line has been commissioned in FY 2017-18 and is in service. Some balance tidbit works like retaining walls, fixing of number plates, danger plates, barbed wire, etc. could not be done within CoD, as the main package awarded agency was under NCLT. DVC had no other alternative but to engage other agencies to complete balance tidbit works.	25(1)(d)	
Γotal	for 2019-2	0	443.07						100
		_	0.00	_					
Γotal	for 2020-2	1	0.00						300
			235.45				Balance Expenditure	25(1)(d)	
Γotal	for 2021-2	2	235.45						400
			295.60				Balance Expenditure	25(1)(d)	
Fotal	for 2022-2	3	295.60						
			53.56				Balance Expenditure	25(1)(d)	
	for 2023-2	4	53.56				·		



Part-III Form-8

Calculation of Return on Equity at Normal Rate

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose Conductor

(Amt. in Lakhs)

S.N o.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	
1	2	4	5	6	7	8	
1.1	Equity as on COD/Admitted equity#	13,981.14	14,114.06	14,114.06	14,184.70	14,273.38	
1.2	Notional Equity for Add Cap after cut-off date	132.92	-	70.64	88.68	16.07	
1.3	Notional Equity for Add Cap after completion of useful life	ı	ı	1	1	1	
1.4	Total Equity	14,114.06	14,114.06	14,184.70	14,273.38	14,289.45	
1.5	Return on Equity on project cost till Cutoff date	20.71%	20.71%	20.71%	20.71%	20.71%	
1.6	Return on Equity on Add Cap	2,909.77	2,923.53	2,930.85	2,947.35	2,958.20	

Note:- 1: * - To be calculated on average equity during the year.



						FORM-9C
Calculation of Weighted	Average Ra	te of Interes	t on Actual I	oans T&D		
Name of the Petitioner	0					(Rs. Lakh
Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Loan-4 REC Loan (For T&D)			=0.00=0=	=0.00=0=	=0.00=0=	=0.00=0=
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	78,995.85	78,995.85
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	-	-
Add: Drawal(s) during the Year	7.266.20	5.266.20	5.266.20	57,020,20		
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	57,930.29		
Net loan - Closing	68,463.07	63,196.68	57,930.29		-	-
Average Net Loan	68,679.49	65,829.87	60,563.48	6,290.78	-	-
Rate of Interest on Loan on annual basis	10.15%	10.15%	10.15%	9.98%		
Interest on loan	6,970.97	6,681.73	6,147.19	627.82	1	-
Loan - 3 Punjab & Sind Bank Loan (For T&D)						
Gross loan - Opening					52,663.90	52,663.90
1 0					3,949.79	9,216.18
Cumulative repayments of Loans upto previous year Net loan - Opening				-	48,714.11	43,447.72
Add: Drawal(s) during the Year				52,663.90	40,/14.11	43,447.72
· · · · · · · · · · · · · · · · · · ·					5 266 20	5 266 20
Less: Repayment (s) of Loans during the year				3,949.79	5,266.39	5,266.39
Net loan - Closing		-	-	48,714.11	43,447.72	38,181.33
Average Net Loan pro-rated based on repayment date (see Note -5)		-	-	46,845.64	46,080.92	40,814.53
Rate of Interest on Loan on annual basis (refer Note below **)				7.80%	7.76%	8.72%
Interest on loan				3,653.96	3,577.99	3,559.01
Loan-4(i): Share of GoI Guaranteed DVC Bonds						
(Series - 14 - Rs. 4,400 Crore) (Drawn On 30.03.2012)						
Gross loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Cumulative repayments of Loans upto previous year	-	-	-	-	-	-
Net loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	-	-	-	-	-	-
Net loan - Closing	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Average Net Loan	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Rate of Interest on Loan on annual basis	10.30%	10.30%	10.80%	10.53%	10.44%	10.34%
Interest on loan	1,030.00	1,030.00	1,080.11	1,053.36	1,044.15	1,034.12
Total Loan	00.007.07	00.00 = 0 =	00.007.05	00.00=0=	141 670 77	141 650 55
Gross loan - Opening	88,995.85	88,995.85	88,995.85	88,995.85	141,659.75	141,659.75
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	82,945.64	88,212.03
Net loan - Opening	83,729.46	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72
Add: Drawal(s) during the Year	-	-	-	52,663.90	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	61,880.08	5,266.39	5,266.39
Net loan - Closing	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72	48,181.33
Average Net Loan	78,679.49	75,829.87	70,563.48	63,136.42	56,080.92	50,814.53
Interest on loan	8,000.97	7,711.73	7,227.31	5,335.14	4,622.14	4,593.13
Weighted average Rate of Interest on Loans	10.17%	10.17%	10.24%	8.45%	8.24%	9.04%

Note:
1.In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

PART-III Form 9E

Calculation of Interest on Normative Loan

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose

Conductor

Amount in Rs. Lakhs

					Burils	
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	
1	2	3	4	5	6	
Gross Normative loan - Opening	32622.66	32932.81	32932.81	33097.63	33304.55	
Cumulative repayment of Normative Loan upto previous year #	5543.81	8173.05	10752.16	13193.40	15719.53	
Net Normative loan - Opening	27078.85	24759.76	22180.65	19904.23	17585.02	
Add: Increase due to addition during the year / period	310.15	0.00	164.82	206.92	37.49	
Less: Decrease due to repayment during the year / period	2629.24	2579.11	2441.24	2526.13	2690.14	
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	
Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	
Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00	
Net Normative loan - Closing	24759.76	22180.65	19904.23	17585.02	14932.37	
Average Normative Loan	25919.30	23470.20	21042.44	18744.62	16258.70	
Weighted average Rate of Interest of actual Loans	10.17%	10.24%	8.45%	8.24%	9.04%	
Interest on Normative loan	2,635.94	2,403.88	1,778.12	1,544.91	1,469.63	



PART-III FORM- 10

Calculation of Depreciation Rate On Original Peoject Cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose Conductor

Amount in Rs. Lakh

Sl. no.	Name of the Assets ¹	Gross Block as on 31.03.2019 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.24	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.24	
	1	2	3	4= Col.2 X Col.3	
1	Land				
2	Building				
3	and so on				
4					
	TOTAL				
	Weighted Average Rate of Depreciation 2019-20 (%) *		5.62%		
	Weighted Average Rate of Depreciation 2020-21 (%) *		5.48%		
	Weighted Average Rate of Depreciation 2021-22 (%) *		5.18%		
	Weighted Average Rate of Depreciation 2022-23 (%) *		5.33%		
	Weighted Average Rate of Depreciation 2023-24 (%) *		5.65%		

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

Note: * Rate of depreciation is considered as in FY2018-19



Statement of Depreciation

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS - Ranchi (PG) --- Quad Moose

Conductor

(Amount in Rs. Lakhs)

					(Amount in R	s. Lakns)	
Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	
(1)	(2)	9	10	11	12	13	
1	Opening Capital Cost	46603.80	47046.87	47046.87	47282.32	47577.93	
2	Closing Capital Cost	47046.87	47046.87	47282.32	47577.93	47631.49	
3	Average Capital Cost	46825.34	47046.87	47164.60	47430.13	47604.7	
4	Freehold land	0.00	0.00	0.00	0.00	0.00	
5	Rate of depreciation	5.62%	5.48%	5.18%	5.33%	5.65%	
6	Depreciable value	42142.80	42342.18	42448.14	42687.11	42844.24	
7	Balance useful life at the beginning of the period						
8	Remaining depreciable value	36598.99	34169.13	31695.98	29493.71	27124.7	
9	Depreciation (for the period)	2629.24	2579.11	2441.24	2526.13	2690.14	
10	Depreciation (annualised)	2,629.24	2,579.11	2,441.24	2,526.13	2,690.14	
11	Cumulative depreciation at the end of the period	8173.05	10752.16	13193.40	15719.53	18409.6	
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	0.00	0.00	0.00	0.00	0.0	
13	Net Cumulative depreciation at the end of the period	8173.05	10752.16	13193.40	15719.53	18409.6	

^{1.} In case of details of FERV and AAD, give information for the applicable period.



PART-III FORM-11

Calculation of Interest on Working Capital

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS –

Ranchi (PG) --- Quad Moose Conductor

Amount in Rs. Lakh

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	9	10	11	12	13
	No. of Days in year	366	365	365	365	366
1	O & M Expenses	22.49	23.27	24.09	24.94	25.81
2	Maintenance Spares	40.48	41.89	43.36	44.89	46.46
3	Receivables	1054.86	1024.32	930.09	914.93	928.00
4	Total Working Capital	1117.83	1089.49	997.54	984.76	1000.26
5	Rate of Interest	12.05%	11.25%	10.50%	10.50%	12.00%
6	Interest on Working Capital	134.70	122.57	104.74	103.40	120.03



Normative O & M Expenses details for LILO - DSTPS Transmission Line Sub Station (Bays) Name of the Petitioner: Damodar Valley Corporation PART-III Name of the Region: Eastern Region Appendix-1 Name of the Project: Transmission & Distribution System Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS - Ranchi (PG) -- Quad Moose Conductor O&M Rate (Rs in lakhs/bay) Amount (Rs in SI No. **Sub Station** 132 KV and Lakhs) 765kV 400 KV 220 KV below 2019-20 45.01 32.15 22.51 16.08 2020-21 46.6 33.28 23.3 16.64 2021-22 48.23 34.45 24.12 17.23 4 2022-23 49.93 35.66 24.96 17.83 2023-24 51.68 36.91 25.84 18.46 132 KV and 400 KV 220 KV 765kV below NUMBER OF SUB-STATION BAYS (at RTPS end for RTPS-Ranchi Line) EXISTING AS ON 31.03.2019 & CONSIDERED FOR O&M 2 64.3 FY2019-20 COD Bays added during 2019-20 TOTAL 2019-20 64.300 0 0 0 FY 2020-21 Existing on 31st March 2020 COD 0 2 0 0 0.000 TOTAL 2020-21 0 2 0 0 66.560 FY 2021-22 Existing on 31st March 2021 COD 0 0 0.000 TOTAL 2021-22 0 0 68.90 FY 2022-23 Existing on 31st March 2022 COD 0 0 0.000 TOTAL 2022-23 0 2 0 0 71.320 FY 2023-24 Existing on 31st March 2023 0 0 0.000 TOTAL 2023-24 COD 0 2 0 0 73.820 LINE O & M Line Rate (Rs in lakhs/km) Line S/C Single D/C Single D/C Double D/C Four Conductor Conductor Conductor Conductor 2019-20 0.252 0.377 0.881 1.322 2020-21 0.26 0.391 2021-22 0.27 0.404 0.944 1.416 2022-23 0.279 0.419 0.977 1.466 2023-24 0.289 0.433 1.011 Amount (Rs in SI No. Line S/C Single D/C Single D/C Double D/C Four Lakhs) Conductor Conductor Conductor Conductor FY2019-20 COD Existing on 31st March 2019 155.5 0 0 0.00 TOTAL 2019-20 0 0 0 155.5 205.57 FY 2020-21 Existing on 31st March 2020 155.5 COD 0 0 0 212.72 TOTAL 2020-21 ADDITION 0 0 0 0 0.000 FY 2021-22 155.5 Existing on 31st March 2021 COD 0 0 0 220.19 TOTAL 2021-22 ADDITION 0 0 0 0 FY 2022-23 Existing on 31st March 2022 155.5 COD 0 0 0 227.96 0.000 TOTAL 2022-23 ADDITION 0 0 0 0 FY 2023-24 Existing on 31st March 2023 TOTAL 2023-24 ADDITION COD 155.5 235.89 0 0.000 Note: O & M (Rs. In Lakhs) for New Elements Added during 2019-24 2019-20 2020-21 2021-22 2022-23 2023-24 Transmission Line 235.89 205.57 212.72 220.19 227.96



66.56

279.28

279.28

68.90

289.09

289.09

71.32

299.28

299.28

73.82

309.71

309.71

64.30

269.87

269.87

Sub Station

Total -Transmission O&M

GRAND TOTAL O&M

PART-III Appen-2

Statement of capital cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose

Conductor

PARTICULARS	Capital cost as on	ACTUAL					
	1.4.2019	2019-20	2020-21	2021-22	2022-23	2023-24	
CAPITAL COST	46603.80						
ADDITIONAL CAPITALIZATION		443.07	0.00	235.45	295.60	53.56	
DECAPITALISATION							
CUMULATIVE CAPITAL COST	46603.80	47046.87	47046.87	47282.32	47577.93	47631.49	
AVERAGE		46825.34	47046.87	47164.60	47430.13	47604.71	
EQUITY ADDED DURING THE YEAR		132.92	0.00	70.64	88.68	16.07	
EQUITY REDUCTION DUE TO							
DECAPITALISATION							
CUMULATIVE EQUITY	13981.14	14114.06	14114.06	14184.70	14273.38	14289.45	
AVERAGE		14047.60	14114.06	14149.38	14229.04	14281.41	
NORMATIVE LOAN ADDED DURING THE YEAR		310.15	0.00	164.82	206.92	37.49	
LOAN REDUCTION DUE TO DECAPITALISATION							
CUMULATIVE LOAN	32622.66	32932.81	32932.81	33097.63	33304.55	33342.05	
AVERAGE		32777.73	32932.81	33015.22	33201.09	33323.30	
DEPRECIATION							
CAPITAL COST OPENING	46603.80	46603.80	47046.87	47046.87	47282.32	47577.93	
CAPITAL COST CLOSING		47046.87	47046.87	47282.32	47577.93	47631.49	
AVERAGE CAPITAL COST		46825.34	47046.87	47164.60	47430.13	47604.71	
RATE OF DEPRECIATION		5.62%	5.48%	5.18%	5.33%	5.65%	
FREEHOLD LAND							
90% DEPRECIABLE VALUE EXCLUDING LAND & LAND RIGHTS		42142.80	42342.18	42448.14	42687.11	42844.24	
CUMULATIVE DEPRECIATION AS ON 1ST APRIL		5543.81	8173.05	10752.16	13193.40	15719.53	
ADJUSTMENT OF CUM. DEPR. DUE TO UNDISCHARGED LIABILITY UP TP PREV. YEAR		0.00	0.00	0.00	0.00	0.00	
ADJUSTED CUM. DEPR. AS ON 1ST APRIL		5543.81	8173.05	10752.16	13193.40	15719.53	
BALANCE DEPRECIABLE VALUE		36598.99	34169.13	31695.98	29493.71	27124.71	
DEPRECIATION TO BE RECOVERED		2629.24	2579.11	2441.24	2526.13	2690.14	
CUMULATIVE DEPRECIATION		8173.05	10752.16	13193.40	15719.53	18409.67	
CUMULATIVE DEPRECIATION ADJUSTMENT ON ACCOUNT OF DISCHARGE OF LIABILITIES		0.00	0.00	0.00	0.00	0.00	
ADJUSTMENT OF DECAPITALISATION		0.00	0.00	0.00	0.00	0.00	
NET CUMULATIVE DEPRECIATION AT THE END OF THE PERIOD		8173.05	10752.16	13193.40	15719.53	18409.67	



Calculation of Savings due to Loan Re-financing

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Loan-1 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Rate of Interest on Loan on annual basis	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Total Loan						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36

Computation of net savings on interest due to loan re-financing:					
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Average Normative loan (refer Form-9E)	25,919.30	23,470.20	21,042.44	18,744.62	16,258.70
Weighted Average Rate of Interest on Loans - without loan re- financing	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on normative loan - without loan re-financing (A)	2,874.45	2,602.85	2,333.61	2,078.78	1,803.09
Actual Weighted Average Rate of Interest on Loans - with loan refinancing (refer Form-9E)	10.17%	10.24%	8.45%	8.24%	9.04%
Interest on normative loan - with loan re-financing (refer Form-9E)	2,635.94	2,403.88	1,778.12	1,544.91	1,469.63
Net savings on interest due to loan re-financing (C = A - B)	238.51	198.96	555.48	533.86	333.46
DVC's share in the net savings on interest due to loan re-					

119.26

99.48

277.74

266.93

Note:

C/2)

1.In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

financing as per Reg. 61(1) of CERC Tariff Regulations 2019 (D =



166.73

TARIFF FILING FORMS FOR ISTS SYSTEM - LILO DSTPS PORTION FOR DETERMINATION OF TARIFF FOR 2024-29 PERIOD





	INDEX	D. DT. HI
	Checklist of Forms and other information/ documents for tariff filing for Transmission System & Communication System	PART-III
Form No.	Title of Tariff Filing Forms (Transmission & Communication System)	Tick
FORM- 1	Summary Sheet	V V
FORM-2 FORM-3	Details of Transmission Lines and Substations, Communication System Normative parameters considered for tariff computations	\ √
FORM- 4	Abstract of admitted parameters for the existing transmission assets/elements	X
FORM- 4A	Statement of Capital cost	X
FORM- 4B	Statement of Capital Works in Progress	X
FORM- 4C	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Project/Element	Х
FORM-5	Element wise Break-up of Project/Asset/Element Cost for Transmission System	X
FORM-5A	Break-up of Construction/Supply/Service packages	X
FORM-5B	Details of all the assets covered in the project	X
FORM- 6	Financial Package upto COD	X
FORM- 7	Statement of Additional Capitalisation after COD	√
FORM- 7A	Financing of Additional Capitalisation	X
FORM- 7B	Statement of Additional Capitalisation during fag end of the Project	X
FORM- 8	Calculation of Return on Equity	√
FORM-8A	Details of Foreign Equity	X
FORM-9	Details of Allocation of corporate loans to various transmission elements	X
FORM-9A	Details of Project Specific Loans	X
FORM-9B	Details of Foreign loans	X
FORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	X
FORM-9D	Loans in Foreign Currency	X √
FORM-9E	Calculation of Interest on Normative Loan	V V
FORM- 10	Calculation of Depreciation Rate on original project cost	√ √
FORM- 10A	Statement of Depreciation Statement of De-capitalisation	X
FORM- 10B FORM- 11	Calculation of Interest on Working Capital	Λ √
FORM- 12	Details of time over run	X
FORM- 12A	Incidental Expenditure during Construction	X
FORM- 12B	Calculation of IDC & Financing Charges	X
FORM- 12B	Details of Initial spares	X
FORM- 14	Non-Tariff Income	X
FORM- 15	Summary of issue involved in the petition	<i>X</i> √
Appen-1	O & M Expenses details	V
Appen-2	Statement of capital cost (Input Data)	V
Appen-3	Cost Savings in Interest due Loan Restructuring	V
		-
Other Informat	ion/ Documents	
Sl. No.	Information/Document	Tick
	Certificate of incorporation, Certificate for Commencement of Business,	
1	Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC)	X
2	Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years.	X
3	Copies of relevant loan Agreements	X
ı	Copies of the approval of Competent Authority for the <u>Capital Cost</u> and Financial package.	X
_	Copies of the Equity participation agreements and necessary approval for the foreign equity.	X
5	Copies of the BPTA/TSA/PPA with the beneficiaries, if any	X
	Copies of the BFTA/TSA/FFA with the beneficiaries, if any	
6	Detailed note giving reasons of cost and time over run, if applicable.	X
6		X
3	Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart	X

Note1: Electronic copy of the petition (in word format) and detailed calculation as per these formats (in excel format) and any other information submitted shall also be furnished in the form of CD/Floppy disc.



Summary Sheet

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

(Amt in Rs. Lakhs)

S.N o.	Particulars	Unit	Form Reference	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	6	7	8	9	10
A	Cost components as per Regulations 30, 31, basis of availability	32, 33, 34, 35	of the CERC (Ter	ms and Condi	tions of Tariff	Regulations,	2019, to be rec	overed on the
A.1	Depreciation	Rs. Lakhs	Form-10A	49.19	49.19	49.19	49.19	49.19
A.2	Interest on Loan	Rs. Lakhs	Form-9E	22.16	17.71	13.27	8.82	4.37
A.3	Return on Equity ¹	Rs. Lakhs	Form-8	54.10	54.10	54.10	54.10	54.10
A.4	Interest on Working Capital	Rs. Lakhs	Form-11	4.59	4.66	4.74	4.81	4.91
A.5	O & M Expenses	Rs. Lakhs	Appen-I-O & M	62.41	65.68	69.13	72.76	76.57
	Sub-total: A	Rs in Lakh		192.46	191.35	190.43	189.69	189.15
В	Cost components as per Regulation 34 (3) (corders, and the DVC Act, to be recovered in	* *	,	and Conditio	ns of Tariff) R	Regulations 201	19, Subsequent	: CERC/Court
B.1	DVC's share of savings in interest cost due to loan restructuring	Rs in Lakh	Appn-3 Loan Restr	2.51	2.01	1.51	1.00	0.50
	Sub-total: B	Rs in Lakh		2.51	2.01	1.51	1.00	0.50
	Grand Total			194.97	193.36	191.93	190.69	189.64

Note

1: Details of calculations, considering equity as per regulation, to be furnished (As per Form 8).

DETAILS OF TRANSMISSION LINES & SUBSTATIONS & COMMUNICATION SYSTEM

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

Transmission Lines:

	S. No.	Name of line	Type of	S/C or D/C	No. of Sub- Conductor	Voltage	Line length		Date of Commercial	Covered in the present petition	
	S. NO.		Name of line line AC/HVDC	S/C or D/C	s	level kV	Ckt km.	km	operation	Yes/No	If No, petition No.
		EXISTING LINES									
	1	Single Circuit LILO of 400 KV D/C Durgapur (PG) – Jamshedpur (PG) at DSTPS Twin Moose Conductor	AC	D/C	2	400 KV	7.78	3.89	1-Feb-11	Yes	
	2	Single Circuit LILO of 400 KV D/C Maithon (PG) – Ranchi(PG) at RTPS (DOCO 01.07.2012)	AC	D/C	2	400 KV	21.126	10.563	1-Jul-12	Yes	
	3	Double Circuit 400 KV DSTPS - RTPS Twin Moose (DOCO 01.08.2013)	AC	D/C	2	400 KV	139	69.5	1-Aug-13	Yes	
I		NEW LINES									
	4	Double Circuit 400 KV RTPS – Ranchi (PG) Quad Moose Conductor	AC	D/C	4	400 KV	311	155.5	30.08.2017	Yes	

Substations:

	Name of Sub-station	ConventionaliCyree	Voltage	No. of		No	. of Bays		Date of	C	overed in the
S.NO			level kV	transform ers	765 kV	400 220 kV kV	132 kV & Below	Commercial operation	Yes/	No If No, petition No.	
	TWO NOS. 400 KV BAYS FOR S/C LILO JAMSHEDPUR(PG)- DURGAPUR(PG) TRANSMISSION LINE AT DSTPS(ANDAL) END		400kv			2			1-Feb-11	Ye	s

Normative parameters considered for tariff computations

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

		Year Ending March				
Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Base Rate of Return on Equity	%	15.50%	15.50%	15.50%	15.50%	15.50%
Tax Rate	%	25.17%	25.17%	25.17%	25.17%	25.17%
Effective tax rate ¹	%	25.17%	25.17%	25.17%	25.17%	25.17%
Target Availability	%	98	98	98	98	98
Normative O&M per km	Rs. Lakh					
Single Circuit (Bundled Conductor with six or more sub-conductor)		0.861	0.906	0.953	1.003	1.056
Single Circuit (Bundled Conductor with four sub-conductors)		0.738	0.776	0.817	0.86	0.905
Single Circuit (Twin & Triple conductor)		0.492	0.518	0.545	0.573	0.603
Single Circuit (Single conductor)		0.246	0.259	0.272	0.287	0.302
Double Circuit (Bundled Conductor with four or more sub- conductors)		1.291	1.359	1.43	1.506	1.585
Double Circuit (Twin & Triple conductor)		0.861	0.906	0.953	1.003	1.056
Double Circuit (Single conductor)		0.369	0.388	0.409	0.43	0.453
Multi Circuit (Bundled Conductor with four or more sub-conductors)		2.266	2.385	2.51	2.642	2.781
Multi Circuit (Twin & Triple conductor)		1.509	1.588	1.671	1.759	1.851
Normative O&M per bay	Rs. Lakh					
765 kV		41.34	43.51	45.79	48.2	50.73
400 kV		29.53	31.08	32.71	34.43	36.23
220 kV		20.67	21.75	22.9	24.1	25.36
132 kV and below		15.78	16.61	17.48	18.4	19.35
Normative O&M for Transformers per MVA	Rs. Lakh					
765 kV		0.262	0.276	0.29	0.305	0.322
400 kV		0.262	0.276	0.29	0.305	0.322
220 kV		0.262	0.276	0.29	0.305	0.322
132 kV and below		0.262	0.276	0.29	0.305	0.322
Spares for WC as % of O&M	%	15	15	15	15	15
Receivables in days for WC	Days	45	45	45	45	45
Bank Rate as on 1.04.2024 (SBI 1Y MCLR+325 basis points)	%	11.90%	11.90%	11.90%	11.90%	11.90%

^{1.}To be supported by necessary documents and calculations. Effective tax rate is to be computed in accordance with Regulation 25 i.e. actual tax (or estimated tax)/gross income, where gross income refers the profit before tax.

2.Mention relevant date



PART-III Form7

Statement of Additional Capitalisation after COD

Name of the Petitioner: Damodar Valley Corporation
Name of the Region: Eastern Region
Name of the Project: Transmission & Distribution System
Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

COD 01-Aug-13

Sr. No.	Year	Work/Equipment proposed to be added after COD upto Cut off Date/ beyond Cut-off Date	Amount capitalized /Proposed to be capitalized (Rs Lakh)	New or Replacement	SUB STATION or LINE or COMMUNICA TION	NAME	COD of old asset (in case of replaced items)	Justification	Regulations under which covered	Admitted Cost ¹ (Rs Lakh)
(1)	(2)	(3)	(4)					(5)	(6)	(7)
		F.Y 2024-25								
1	2024-25	400 KV ISTS Line (LILO DSTPS)							14(1)(i)	
		TOTAL (2024-25)	0.00							
		F.Y 2025-26								
1	2025-26	400 KV ISTS Line (LILO DSTPS)							14(1)(i)	
		TOTAL (2025-26)	0.00							
		F.Y 2026-27								
1	2026-27	400 KV ISTS Line (LILO DSTPS)							14(3)(v)	
		Total (2026-27)	0.00							
		F.Y 2027-28								
1	2027-28	400 KV ISTS Line (LILO DSTPS)							14(3)(v)	
		TOTAL (2027-28)	0.00							
		F.Y 2028-29								
1	2028-29	400 KV ISTS Line (LILO DSTPS)							14(3)(v)	
		TOTAL (2028-29)	0.00							



PART-III Form-8

Calculation of Return on Equity at Normal Rate

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

(Amt. in Lakhs)

S.N o.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	4	5	6	7	8
1.1	Equity as on COD/Admitted equity #	261.20	261.20	261.20	261.20	261.20
1.2	Notional Equity for Add Cap after cut-off date	-	-	-	ı	-
1.3	Notional Equity for Add Cap after completion of useful life	-	-	-	-	-
1.4	Total Equity	261.20	261.20	261.20	261.20	261.20
1.5	Return on Equity on project cost till Cutoff date	20.71%	20.71%	20.71%	20.71%	20.71%
1.6	Return on Equity on Add Cap	54.10	54.10	54.10	54.10	54.10

Note:- 1: * - To be calculated on average equity during the year.



	, D	e T		Tab		FORM-9C
<u>Calculation of Weighted</u>	Average Ra	te of Interest	t on Actual L	oans T&D		
Name of the Petitioner	0					(Rs. Lakh
Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Loan-4 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	78,995.85	78,995.85
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	76,993.63	70,773.03
Add: Drawal(s) during the Year	73,727.40	00,403.07	03,170.00	31,730.27	_	<u> </u>
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	57,930.29		
Net loan - Closing	68,463.07	63,196.68	57,930.29	37,930.29	_	
Average Net Loan	68,679.49	65,829.87	60,563.48	6,290.78	-	
Rate of Interest on Loan on annual basis	10.15%	10.15%	10.15%	9.98%	-	
Interest on loan	6,970.97	6,681.73	6,147.19	627.82	_	
			3,211,127			
Loan - 3 Punjab & Sind Bank Loan (For T&D)						
Gross loan - Opening				_	52,663.90	52,663.90
Cumulative repayments of Loans upto previous year					3,949.79	9,216.18
Net loan - Opening				-	48,714.11	43,447.72
Add: Drawal(s) during the Year				52,663.90	46,/14.11	43,447.72
Less: Repayment (s) of Loans during the year				3,949.79	5,266,39	5,266.39
Net loan - Closing				-	.,	-
Average Net Loan pro-rated based on repayment date (see Note -5)		-	-	48,714.11 46,845.64	43,447.72 46,080.92	38,181.33 40,814.53
Rate of Interest on Loan on annual basis (refer Note				7.80%	7.76%	8.72%
below **) Interest on loan				3,653.96	3,577.99	3,559.01
Loan-4(i): Share of GoI Guaranteed DVC Bonds						
(Series - 14 - Rs. 4,400 Crore) (Drawn On 30.03.2012)						
Gross loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Cumulative repayments of Loans upto previous year	-	-	-	-	-	-
Net loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	-	-	-	-	-	-
Net loan - Closing	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Average Net Loan	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Rate of Interest on Loan on annual basis	10.30%	10.30%	10.80%	10.53%	10.44%	10.34%
Interest on loan	1,030.00	1,030.00	1,080.11	1,053.36	1,044.15	1,034.12
Total Loan						
Gross loan - Opening	88,995.85	88,995.85	88,995.85	88,995.85	141,659.75	141,659.75
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	82,945.64	88,212.03
Net loan - Opening	83,729.46	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72
Add: Drawal(s) during the Year	-		-	52,663.90	20,717.11	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	61,880.08	5,266.39	5,266.39
Net loan - Closing	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72	48,181.33
Average Net Loan						
Interest on loan	78,679.49 8,000.97	75,829.87 7,711.73	70,563.48 7,227.31	63,136.42 5,335.14	56,080.92 4,622.14	50,814.53 4,593.13
Weighted average Rate of Interest on Loans	10.17%	10.17%		8.45%	8.24%	9.04%

Note:
1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

PART-III FORM- 9E

Calculation of Interest on Normative Loan

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

(Amount in Rs. Lakh)

Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	2	3	4	5	6
Gross Normative loan - Opening #	609.5	609.46	609.46	609.46	609.46	609.46
Cumulative repayment of Normative Loan upto previous year	290.5	339.70	388.89	438.08	487.28	536.47
Net Normative loan - Opening	319.0	269.76	220.57	171.38	122.18	72.99
Add: Increase due to addition during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to repayment during the year / period	49.19	49.19	49.19	49.19	49.19	49.19
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharges during the year / period	0	0.00	0.00	0.00	0.00	0.00
Net Normative loan - Closing	270	220.57	171.38	122.18	72.99	23.80
Average Normative Loan	294.36	245.16	195.97	146.78	97.59	48.40
Weighted average Rate of Interest of actual Loans	9.04%	9.04%	9.04%	9.04%	9.04%	9.04%
Interest on Normative loan	26.61	22.16	17.71	13.27	8.82	4.37

Note:

1. At the time of true-up net savings as a result of refinancing of loans may be provided along with adjustments of sharing.

PART-III FORM- 10

Calculation of Depreciation Rate on Original Project Cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

Amount in Rs. Lakh

Sl. no.	Name of the Assets ¹	Gross Block as on 31.03.2019 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.24	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.24
	1	2	3	4= Col.2 X Col.3
1	Land			
2	Building			
3	and so on			
4				
	TOTAL			
	Weighted Average Rate of Depreciation (%) *		5.65%	

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

Note: * Rate of depreciation is as considered for FY 2023-24



Statement of Depreciation

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

Sl. No.	Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(4)	5	6	7	8	9
1	Opening Capital Cost	870.66	870.66	870.66	870.66	870.66	870.66
2	Closing Capital Cost	870.66	870.66	870.66	870.66	870.66	870.66
3	Average Capital Cost	870.66	870.66	870.66	870.66	870.66	870.66
4	Freehold land	0.00	0.00	0.00	0.00	0.00	0.00
5	Rate of depreciation	5.650%	5.650%	5.650%	5.650%	5.650%	5.650%
6	Depreciable value	783.59	783.59	783.59	783.59	783.59	783.59
7	Balance useful life at the beginning of the period						
8	Remaining depreciable value	493.08	443.89	394.70	345.51	296.32	247.12
9	Depreciation (for the period)	49.19	49.19	49.19	49.19	49.19	49.19
10	Depreciation (annualised)	49.19	49.19	49.19	49.19	49.19	49.19
11	Cumulative depreciation at the end of the period	339.70	388.89	438.08	487.28	536.47	585.66
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	0.00	0.00	0.00	0.00	0.00	0.00
13	Net Cumulative depreciation at the end of the period	339.70	388.89	438.08	487.28	536.47	585.66

^{1.} In case of details of FERV and AAD, give information for the applicable period.



PART-III FORM-11

Calculation of Interest on Working Capital

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

(Rs. Lakhs)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	5	6	7	8	9
		365	365	365	366	365
1	O & M Expenses	5.20	5.47	5.76	6.06	6.38
2	Maintenance Spares	9.36	9.85	10.37	10.91	11.49
3	Receivables	24.04	23.84	23.66	23.45	23.38
4	Total Working Capital	38.60	39.17	39.79	40.42	41.25
5	Rate of Interest	11.90%	11.90%	11.90%	11.90%	11.90%
6	Interest on Working Capital	4.59	4.66	4.74	4.81	4.91



ame of	the Petitioner: Damodar Valley Corporation the Region: Eastern Region the Transmission Element or Communication		ion (Bays)	A II O DETP	5)		PART-II Appendix-
ame or	Transmission Element of Communication	i System: 400			s in lakhs/bay	7)	
Sl No.	Sub Station				is ili taklis/bay	Í	Amou (Rs
51 110.	Sub Station		765kV	400 KV	220 KV	132 KV and below	Lakh
1	2024-25		41.34	29.53	20.67	15.78	
2	2025-26		43.51	31.08	21.75	16.61	
3	2026-27		45.79	32.71	22.9	17.48	
4	2027-28		48.2	34.43	24.1	18.4	
5	2028-29		50.73 765kV	36.23 400 KV	25.36 220 KV	19.35 132 KV and	
	MBER OF SUB-STATION BAYS (LILO I ING AS ON 31.03.2024 & CONSIDERED I	,		2		below	59.06
		FY2	024-25				
		COD					
	Bays added during 2024-25						
	TOTAL 2024-25		0	2	0	0	59.00
			025-26				
	Existing on 31st March 2025	COD	0	2	0	0	
	TOTAL 2025-26		0	2	0	0	62.1
	I		026-27	_			
	Existing on 31st March 2026	COD	0	2	0	0	
	TOTAL 2026-27	EV 2	0 027-28	2	0	0	65.
	Existing on 31st March 2027	COD	027-28	2	0	0	68.8
	Existing on 31st March 2027		028-29		U	U	00.0
	TOTAL 2028-29	COD	0	2	0	0	72.4
			SSION LINE				
			& М				
		L	ine	D (/D :	111 /1 >		
				Rate (RS II	ı lakhs/km)		
	Line		S/C Single Conductor	D/C Single Conductor	D/C Double Conductor	D/C Four Conductor	
1	2024-25		0.246	0.369	0.861	1.291	
2	2025-26		0.259	0.388	0.906	1.359	
3	2026-27		0.272	0.409	0.953	1.43	
4	2027-28		0.287	0.43	1.003	1.506	
5	2028-29		0.302	0.453	1.056	1.585	
				K	M		Amou
Sl No.	Line		S/C Single Conductor	D/C Single Conductor	D/C Double Conductor	D/C Four Conductor	(Rs
			024-25				
		COD					
	Existing on 31st March 2024		0	0	3.89	0	3.34
	TOTAL 2024-25	EX. 0	0	0	0	0	0.00
	Existing on 31st March 2025		025-26	0	3.89	0	2.50
	TOTAL 2025-26 ADDITION	COD	0	0	0	0	3.52 0.00
	TOTAL 2023-20 ADDITION	FV 2	026-27	U	U	0	0.00
	Existing on 31st March 2026	COD	0	0	3.89	0	3.70
			0.000	0.000	0.000	0.000	0.0
	8		0.000				
	TOTAL 2026-27 ADDITION		0.000 027-28		0.000	•	
	TOTAL 2026-27 ADDITION		0.000 027-28 0	0	3.89	0	3.9
	8	FY 2	027-28			0	3.9 0.0
	TOTAL 2026-27 ADDITION Existing on 31st March 2027	FY 2 COD	027-28 0	0	3.89		
	TOTAL 2026-27 ADDITION Existing on 31st March 2027 TOTAL 2027-28 ADDITION Existing on 31st March 2028	FY 2 COD	027-28 0 0	0	3.89		
	TOTAL 2026-27 ADDITION Existing on 31st March 2027 TOTAL 2027-28 ADDITION	FY 2 COD	027-28 0 0 028-29	0	3.89	0	0.0
ote:	TOTAL 2026-27 ADDITION Existing on 31st March 2027 TOTAL 2027-28 ADDITION Existing on 31st March 2028	FY 2 COD	027-28 0 0 028-29	0 0	3.89	0	4.1
ote:	TOTAL 2026-27 ADDITION Existing on 31st March 2027 TOTAL 2027-28 ADDITION Existing on 31st March 2028	FY 2 COD FY 2 COD	027-28 0 0 0 028-29 0	0 0	3.89 0 3.89 0	0	0.0 4.1
lote:	TOTAL 2026-27 ADDITION Existing on 31st March 2027 TOTAL 2027-28 ADDITION Existing on 31st March 2028 TOTAL 2028-29 ADDITION	FY 2 COD FY 2 COD	027-28 0 0 0 028-29 0	0 0	3.89 0 3.89 0	0	0.0 4.1
Note:	TOTAL 2026-27 ADDITION Existing on 31st March 2027 TOTAL 2027-28 ADDITION Existing on 31st March 2028 TOTAL 2028-29 ADDITION	FY 2 COD FY 2 COD	027-28 0 0 028-29 0 0	0 0 0 0	3.89 0 3.89 0	0 0 0	0.0 4.1
Note:	TOTAL 2026-27 ADDITION Existing on 31st March 2027 TOTAL 2027-28 ADDITION Existing on 31st March 2028 TOTAL 2028-29 ADDITION O & M (Rs. In Lakh	FY 2 COD FY 2 COD (s) for New 2024-25 3.35	027-28 0 0 028-29 0 0 Elements Add 2025-26 3.52	0 0 0 0 led during 20 2026-27 3.71	3.89 0 3.89 0 14-19 2027-28 3.90	0 0 0 2028-29 4.11	0.0 4.1
lote:	TOTAL 2026-27 ADDITION Existing on 31st March 2027 TOTAL 2027-28 ADDITION Existing on 31st March 2028 TOTAL 2028-29 ADDITION O & M (Rs. In Lakh Transmission Line Sub Station	FY 2 COD FY 2 COD ss) for New 2024-25 3.35 59.06	027-28 0 0 028-29 0 0 Elements Add 2025-26 3.52 62.16	0 0 0 0 led during 20 2026-27 3.71 65.42	3.89 0 3.89 0 14-19 2027-28 3.90 68.86	0 0 0 2028-29 4.11 72.46	0.0 4.1
lote:	TOTAL 2026-27 ADDITION Existing on 31st March 2027 TOTAL 2027-28 ADDITION Existing on 31st March 2028 TOTAL 2028-29 ADDITION O & M (Rs. In Lakh	FY 2 COD FY 2 COD (s) for New 2024-25 3.35	027-28 0 0 028-29 0 0 Elements Add 2025-26 3.52	0 0 0 0 led during 20 2026-27 3.71	3.89 0 3.89 0 14-19 2027-28 3.90	0 0 0 2028-29 4.11	0.0 4.1



Statement of capital cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS)

PART-III Appen-2

(Rs in Lakhs)

						(KS III LAKIIS)
PARTICULARS	Capital cost as on 31.3.2024		:	PROJECTED		
		2024-25	2025-26	2026-27	2027-28	2028-29
CAPITAL COST AND ADD CAP	870.66					
ADDITIONAL CAPITALIZATION						
DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
CUMMULATIVE CAPITAL COST	870.66	870.66	870.66	870.66	870.66	870.60
AVERAGE		870.66	870.66	870.66	870.66	870.60
EQUITY ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.00
EQUITY REDUCTION DUE TO DECAPITALISATION						
CUMMULATIVE EQUITY	261.20	261.20	261.20	261.20	261.20	261.20
AVERAGE		261.20	261.20	261.20	261.20	261.20
NORMATIVE LOAN ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.00
LOAN REDUCTION DUE TO DECAPITALISATION						
CUMMULATIVE LOAN	609.46	609.46	609.46	609.46	609.46	609.40
AVERAGE		609.46	609.46	609.46	609.46	609.46
DEPRECIATION						
CAPITAL COST OPENING	870.66	870.66	870.66	870.66	870.66	870.60
CAPITAL COST CLOSING		870.66	870.66	870.66	870.66	870.60
AVERAGE CAPITAL COST		870.66	870.66	870.66	870.66	870.60
RATE OF DEPRECIATION		5.65%	5.65%	5.65%	5.65%	5.65%
FREEHOLD LAND						
90% DEPRECIABLE VALUE EXCLUDING LAND & LAND RIGHTS		783.59	783.59	783.59	783.59	783.59
CUMULATIVE DEPRECIATION AS ON 1ST APRIL		339.70	388.89	438.08	487.28	536.4
ADJUSTMENT OF CUM. DEPR. DUE TO UNDISCHARGED LIABILITY UP TP PREV. YEAR		0.00	0.00	0.00	0.00	0.00
ADJUSTED CUM. DEPR. AS ON 1ST APRIL		339.70	388.89	438.08	487.28	536.47
BALANCE DPRECIABLE VALUE		443.89	394.70	345.51	296.32	247.12
DEPRECIATION TO BE RECOVERED		49.19	49.19	49.19	49.19	49.19
CUMMALATIVE DEPRECIATION		388.89	438.08	487.28	536.47	585.60
CUMMALATIVE DEPRECIATION ADJUSTMENT ON ACCOUNT OF DISCHARGE OF LIABILITIES		0.00	0.00	0.00	0.00	0.00
ADJUSTMENT OF DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
NET CUMULATIVE DEPRECIATION AT THE END OF THE PERIOD		388.89	438.08	487.28	536.47	585.60

Note :- 400 kV LILO DSTPS, LILO RTPS, DSTPS-RTPS Transmission Lines owned by DVC declared ISTS by ERPC.



Calculation of Savings due to Loan Re-financing

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communica	Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO DSTPS) (Amount in Rs. Lakh)										
Particulars	Existing 2018-19	2024-25	2025-26	2026-27	2027-28	2028-29					
Loan-1 REC Loan (For T&D)											
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85					
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34					
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51					
Add: Drawal(s) during the Year	-	-	-	-	-	-					
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39					
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12					
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31					
Rate of Interest on Loan on annual basis	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%					
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36					
Total Loan											
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85					
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34					
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51					
Add: Drawal(s) during the Year	-	-	-	-	-	-					
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39					
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12					
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31					
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36					

Computation of net savings on interest due to loan re-financing:					
Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Average Normative loan (refer Form-9E)	245.16	195.97	146.78	97.59	48.40
Weighted Average Rate of Interest on Loans - without loan re- financing	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on normative loan - without loan re-financing (A)	27.19	21.73	16.28	10.82	5.37
Actual Weighted Average Rate of Interest on Loans - with loan re- financing (refer Form-9E)	9.04%	9.04%	9.04%	9.04%	9.04%
Interest on normative loan - with loan re-financing (refer Form-9E)	22.16	17.71	13.27	8.82	4.37
Net savings on interest due to loan re-financing (C = A - B)	5.03	4.02	3.01	2.00	0.99
DVC's share in the net savings on interest due to loan refinancing as per Reg. 61(1) of CERC Tariff Regulations 2019 (D = C/2)	2.51	2.01	1.51	1.00	0.50

11.09%

11.09%

11.09%

11.09%

11.09%

11.09%

Note:

Weighted average Rate of Interest on Loans

1.In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.



TARIFF FILING FORMS FOR ISTS SYSTEM - LILO RTPS PORTION FOR DETERMINATION OF TARIFF FOR 2024-29 PERIOD

ANNEXURE - G



	Checklist of Forms and other information/ documents for tariff filing to	PART-III <u>'or</u>
F N.	Transmission System & Communication System	Tr. 1
Form No.	Title of Tariff Filing Forms (Transmission & Communication System)	Tick
ORM-1	Summary Sheet	√ -
ORM-2	Details of Transmission Lines and Substations, Communication System	√
ORM-3	Normative parameters considered for tariff computations Abstract of admitted parameters for the existing transmission assets/elements	X
ORM- 4 ORM- 4A	Statement of Capital cost	X
ORM- 4B	Statement of Capital Works in Progress	X
	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New	
ORM- 4C	Project/Element	X
ORM-5	Element wise Break-up of Project/Asset/Element Cost for Transmission System	X
ORM-5A	Break-up of Construction/Supply/Service packages	X
ORM-5B	Details of all the assets covered in the project	X
ORM- 6	Financial Package upto COD	X
ORM- 7	Statement of Additional Capitalisation after COD	√
ORM- 7A	Financing of Additional Capitalisation	X
ORM- 7B	Statement of Additional Capitalisation during fag end* of the Project	X
ORM- 8	Calculation of Return on Equity	$\sqrt{}$
ORM-8A	Details of Foreign Equity	X
ORM-9	Details of Allocation of corporate loans to various transmission elements	X
ORM-9A	Details of Project Specific Loans	X
ORM-9B	Details of Foreign loans	X
ORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	√
ORM-9D	Loans in Foreign Currency	X
ORM-9E	Calculation of Interest on Normative Loan	√
ORM- 10	Calculation of Depreciation Rate on original project cost	
ORM- 10A	Statement of Depreciation	√
ORM- 10B	Statement of De-capitalisation	X
ORM- 11	Calculation of Interest on Working Capital	<u>√</u>
ORM- 12	Details of time over run	X
ORM- 12A	Incidental Expenditure during Construction	X
ORM- 12B	Calculation of IDC & Financing Charges	X
ORM- 13	Details of Initial spares	X
ORM- 14	Non-Tariff Income	X
ORM- 15	Summary of issue involved in the petition	<u>√</u>
ppen-1	O & M Expenses details	√
Appen-2	Statement of capital cost (Input Data)	<u>√</u>
Appen-3	Savings in Interest due Loan Refinancing	√
Appen-4	Sanction Order	X
than Information	n/ Doguments	
		Tiale
	Information/Document	Tick
l. No.	Information/Document Certificate of incorporation, Certificate for Commencement of Business,	
l. No.	Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s)	Tick X
l. No.	Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC)	
l. No.	Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts	Х
l. No.	Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System &	
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Other Information I. No.	Information/Document Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC) Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years. Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2019-20 and 2025-26 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished. BBMB is maintaining the records as per the relevant applicable	X X X X X X X X X
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Note1: Electronic copy of the petition (in word format) and detailed calculation as per these formats (in excel format) and any other information submitted shall also be furnished in the form of CD/Floppy disc.



PART-III FORM-1

Summary Sheet

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Amount in Rs. Lakh

S.N o.	Particulars	Unit	Form Reference	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	7	8	9	10
A	Cost components as per Regulations 30, 31, 3 basis of availability	32, 33, 34, 35 of t	he CERC (Terms	and Condition	ns of Tariff) R	egulations, 201	19, to be recove	ered on the
1.1	Depreciation	Rs in Lakh	Form-10A	122.74	122.74	122.74	122.74	122.74
1.2	Interest on Loan	Rs in Lakh	Form-9E	55.64	44.54	33.45	22.35	11.26
1.3	Return on Equity ¹	Rs in Lakh	Form-8	135.00	135.00	135.00	135.00	135.00
1.4	Interest on Working Capital	Rs in Lakh	Form-11	7.70	7.67	7.64	7.62	7.63
1.5	O & M Expenses	Rs in Lakh	Appen-1-O&M (2024-29)	68.15	71.73	75.49	79.45	83.61
	Sub-total: A	Rs in Lakh		389.22	381.67	374.31	367.16	360.23
В	Cost components as per Regulation 34 (3) (c) Orders, and the DVC Act, to be recovered in			d Conditions	of Tariff) Regu	ılations 2019,	Subsequent CI	ERC/Court
B.4	DVC's share of savings in interest cost due to loan restructuring	Rs in Lakh	Appn-3 Loan Restr	6.31	5.05	3.79	2.54	1.28
	Sub-total: B	Rs in Lakh		6.31	5.05	3.79	2.54	1.28
	Grand Total	Rs in Lakh		395.54	386.73	378.11	369.70	361.51

Note

1: Details of calculations, considering equity as per regulation, to be furnished (As per Form 8).



DETAILS OF TRANSMISSION LINES & SUBSTATIONS & COMMUNICATION SYSTEM

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Transmission Lines:

S. No.	Name of line		Type of line	S/C or D/C	No. of Sub-	Voltage	Line length	Line length	Date of Commercial		ed in the t petition
5.110.	Name of fine		AC/HVDC	S/C OF B/C	Conducto rs	level kV	Ckt km.	km	operation	Yes/No	If No, petition No.
	EXISTING LIN	IES									
1	Single Circuit LILO of 400 KV D/C Jamshedpur (PG) at DSTPS Twi		AC	D/C	2	400 KV	7.78	3.89	1-Feb-11	Yes	
2	Single Circuit LILO of 400 KV D/C Ranchi(PG) at RTPS (DOCO 01.07		AC	D/C	2	400 KV	21.126	10.563	1-Jul-12	Yes	
3	Double Circuit 400 KV DSTPS - R' (DOCO 01.08.2013)	TPS Twin Moose	AC	D/C	2	400 KV	139	69.5	1-Aug-13	Yes	
	NEW LINES	3									
4	Double Circuit 400 KV RTPS – Ranchi (PG) Quad Moose Conductor		AC	D/C	4	400 KV	311	155.5	30.08.2017	Yes	
Subst	ations:										
S.NO.	Name of	Type of Substation Conventional(Greenfiel d/ Brownfield)/ GIS/	Voltage	No. of transformers /Reactors/ SVC		N	No. of Bays Date of		Date of Commercial		ed in the
5.110.	Sub-station	HVDC terminal/ HVDC Back to Back	level kV	etc. (with capacity)	765 kV	400 kV	220 kV	132 kV & Below	operation	Yes/No	If No, petition No.
1	TWO NOS. 400 KV BAYS FOR S/C LILO MAITHON(PG)- RANCHI(PG) TRANSMISSION LINE AT RTPS(RAGHUNATHPUR) END		400KV			2			1-Jul-12	Yes	



Normative parameters considered for tariff computations

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Year Ending March **Particulars** Unit 2024-25 2025-26 2026-27 2027-28 2028-29 (1) **(2)** (3) (4) (5) **(6) (7)** 15.50% 15.50% 15.50% Base Rate of Return on Equity % 15.50% 15.50% % 25.17% 25.17% 25.17% Tax Rate 25.17% 25.17% 25.17% % 25.17% 25.17% 25.17% 25.17% Effective tax rate¹ Target Availability % 98 98 98 98 98 Normative O&M per km Rs. Lakh Single Circuit (Bundled Conductor with six or more sub-conductor) 0.861 0.906 0.953 1.003 1.056 Single Circuit (Bundled Conductor with four sub-conductors) 0.738 0.776 0.817 0.86 0.905 Single Circuit (Twin & Triple conductor) 0.492 0.518 0.545 0.573 0.603 0.259 0.287 0.302 Single Circuit (Single conductor) 0.246 0.272 Double Circuit (Bundled Conductor with four or more sub-1.291 1.359 1.43 1.506 1.585 conductors) 0.861 0.906 0.953 1.003 1.056 Double Circuit (Twin & Triple conductor) Double Circuit (Single conductor) 0.369 0.388 0.409 0.43 0.453 2.385 2.51 Multi Circuit (Bundled Conductor with four or more sub-conductors) 2.266 2.642 2.781 Multi Circuit (Twin & Triple conductor) 1.509 1.588 1.671 1.759 1.851 Normative O&M per bay Rs. Lakh 765 kV 41.34 43.51 45.79 50.73 48.2 31.08 400 kV 29.53 32.71 34.43 36.23 220 kV 20.67 21.75 22.9 24.1 25.36 132 kV and below 15.78 16.61 17.48 18.4 19.35 Normative O&M for Transformers per MVA Rs. Lakh 765 kV 0.262 0.276 0.29 0.305 0.322 400 kV 0.262 0.276 0.29 0.305 0.322 220 kV 0.262 0.276 0.29 0.305 0.322 132 kV and below 0.262 0.276 0.29 0.305 0.322 % Spares for WC as % of O&M 15 15 15 15 15 Receivables in Days for WC Days 45 45 45 45 45 Bank Rate as on 1.04.2024 (SBI 1Y MCLR+325 basis points) % 11.90% 11.90% 11.90% 11.90% 11.90%



^{1.}To be supported by necessary documents and calculations. Effective tax rate is to be computed in accordance with Regulation 31 i.e. actual tax (or estimated tax)/gross income, where gross income refers the profit before tax.

2.Mention relevant date

PART-III Form7

Statement of Additional Capitalisation after COD

Name of the Petitioner: Damodar Valley Corporation
Name of the Region: Eastern Region
Name of the Project: Transmission & Distribution System
Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)
COD 01-Aug-13

Sr. No.	Year	Work/Equipment proposed to be added after COD upto Cut off Date/ beyond Cut-off Date	Amount capitalized /Proposed to be capitalized (Rs Lakh)	New or Replacement	SUB STATION or LINE or COMMUNICA TION	NAME	COD of old asset (in case of replaced items)	Justification	Regulations under which covered	Admitted Cost ¹ (Rs Lakh)
(1)	(2)	(3)	(4)					(5)	(6)	(7)
		F.Y 2024-25								
1	2024-25	400 KV ISTS Line (LILO RTPS)							14(1)(i)	
		TOTAL (2024-25)	0.00							
		F.Y 2025-26								
1	2025-26	400 KV ISTS Line (LILO RTPS)							14(1)(i)	
		TOTAL (2025-26)	0.00							
		F.Y 2026-27	•	•						
1	2026-27	400 KV ISTS Line (LILO RTPS)							14(3)(v)	
		Total (2026-27)	0.00							
	•	F.Y 2027-28								
1	2027-28	400 KV ISTS Line (LILO RTPS)							14(3)(v)	
		TOTAL (2027-28)	0.00							
		F.Y 2028-29								
1	2028-29	400 KV ISTS Line (LILO DSTPS)							14(3)(v)	
		TOTAL (2028-29)	0.00							



Calculation of Return on Equity at Normal Rate

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS) (Amt. in Lakhs)

S.N o.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	4	5	6	7	8
1.1	Equity as on COD/Admitted equity #	651.72	651.72	651.72	651.72	651.72
1.2	Notional Equity for Add Cap after cut-off date	-	-	-	-	-
1.3	Notional Equity for Add Cap after completion of useful life	-	-	-	-	-
1.4	Total Equity	651.72	651.72	651.72	651.72	651.72
1.5	Return on Equity on project cost till Cutoff date	20.71%	20.71%	20.71%	20.71%	20.71%
1.6	Return on Equity on Add Cap	135.00	135.00	135.00	135.00	135.00

Note:- 1: * - To be calculated on average equity during the year.



Calculation of Weighted	Average Ra	te of Interest	on Actual I	oans T&D		FORM-9C
Calculation of Weighter	Average Na	ic of interest	on Actual L	oans 1&D		
Name of the Petitioner	0					(Rs. Lakh
Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Loan-4 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	78,995.85	78,995.85
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	-	
Add: Drawal(s) during the Year	-					
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	57,930.29		
Net loan - Closing	68,463.07	63,196.68	57,930.29	-	-	-
Average Net Loan	68,679.49	65,829.87	60,563.48	6,290.78	-	-
Rate of Interest on Loan on annual basis	10.15%	10.15%	10.15%	9.98%		
Interest on loan	6,970.97	6,681.73	6,147.19	627.82	-	-
Loan - 3 Punjab & Sind Bank Loan (For T&D)						
Gross loan - Opening				_	52,663.90	52,663.90
Cumulative repayments of Loans upto previous year					3,949.79	9,216.18
Net loan - Opening					48,714.11	43,447.72
Add: Drawal(s) during the Year				52,663.90	70,/17.11	73,777.72
Less: Repayment (s) of Loans during the year				3,949.79	5,266.39	5,266.39
Net loan - Closing		_	_	48,714.11	43,447.72	38,181.33
Average Net Loan pro-rated based on repayment date		-	-	46,/14.11	43,447.72	36,161.33
(see Note -5) Rate of Interest on Loan on annual basis (refer Note		-	-	46,845.64	46,080.92	40,814.53
below **)				7.80%	7.76%	8.72%
Interest on loan				3,653.96	3,577.99	3,559.01
Loan-4(i): Share of Gol Guaranteed DVC Bonds (Series - 14 - Rs. 4,400 Crore) (Drawn On 30.03.2012)						
Gross loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Cumulative repayments of Loans upto previous year	-	-	-	-	-	-
Net loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	-	-	-	-	-	-
Net loan - Closing	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Average Net Loan	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Rate of Interest on Loan on annual basis	10.30%	10.30%	10.80%	10.53%	10.44%	10.34%
Interest on loan	1,030.00	1,030.00	1,080.11	1,053.36	1,044.15	1,034.12
Total Loan						
Gross loan - Opening	88,995.85	88,995.85	88,995.85	88,995.85	141,659.75	141,659.75
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	82,945.64	88,212.03
Net loan - Opening	83,729.46	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72
Add: Drawal(s) during the Year	-	/ U,TUJ.U /	75,170.00	52,663.90	JU,/17.11	
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	61,880.08	5,266.39	5,266.39
Net loan - Closing	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72	48,181.33
Average Net Loan	78,463.07		70,563.48		56,080.92	50,814.53
·		75,829.87		63,136.42		
Interest on loan	8,000.97	7,711.73	7,227.31	5,335.14	4,622.14	4,593.13
Weighted average Rate of Interest on Loans	10.17%	10.17%	10.24%	8.45%	8.24%	9.04%

Note:
1.In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

Calculation of Interest on Normative Loan

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	3	4	5	6	7	8
Gross Normative loan - Opening	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7
Cumulative repayment of Normative Loan upto previous year	721.1	843.8	966.5	1089.3	1212.0	1334.8
Net Normative loan - Opening	799.6	676.9	554.1	431.4	308.7	185.9
Add: Increase due to addition during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to repayment during the year / period	122.74	122.74	122.74	122.74	122.74	122.74
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharges during the year / period	0	0.00	0.00	0.00	0.00	0.00
Net Normative loan - Closing	677	554	431	309	186	63
Average Normative Loan	738.26	615.52	492.78	370.04	247.29	124.55
Weighted average Rate of Interest of actual Loans	9.04%	9.04%	9.04%	9.04%	9.04%	9.04%
Interest on Normative loan	66.73	55.64	44.54	33.45	22.35	11.26

Note:

1. At the time of true-up net savings as a result of refinancing of loans may be provided along with



PART-III FORM- 10

Calculation of Depreciation Rate on Original Project Cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Amount in Rs. Lakh

Sl.	Name of the Assets ¹	Gross Block as on 31.03.2019 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.24	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.24	
	1	2	3	4= Col.2 X Col.3	
1	Land				
2	Building				
3	and so on				
4					
	TOTAL				
	Weighted Average Rate of Depreciation (%) *		5.650%		

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

Note: * Rate of depreciation is considered as in FY 2023-24



Statement of Depreciation

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Sl. No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(4)	(5)	(6)	(7)	(8)	(9)
1	Opening Capital Cost	2172.41	2172.41	2172.41	2172.41	2172.41	2172.41
2	Closing Capital Cost	2172.41	2172.41	2172.41	2172.41	2172.41	2172.41
3	Average Capital Cost	2172.41	2172.41	2172.41	2172.41	2172.41	2172.41
4	Freehold land	0.00	0.00	0.00	0.00	0.00	0.00
5	Rate of depreciation	5.65%	5.650%	5.650%	5.650%	5.650%	5.650%
6	Depreciable value	1955.17	1955.17	1955.17	1955.17	1955.17	1955.17
7	Balance useful life at the beginning of the period						
8	Remaining depreciable value #	1234.11	1111.37	988.63	865.89	743.15	620.41
9	Depreciation (for the period)	122.74	122.74	122.74	122.74	122.74	122.74
10	Depreciation (annualised)	122.74	122.74	122.74	122.74	122.74	122.74
11	Cumulative depreciation at the end of the period	843.80	966.540131	1089.2813	1212.02246	1334.76363	1457.504791
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	0.00	0.00	0.00	0.00	0.00	0.00
13	Net Cumulative depreciation at the end of the period	843.80	966.54	1089.28	1212.02	1334.76	1457.50

1. In case of details of FERV and AAD, give information for the applicable period.

PART-III FORM-11

Calculation of Interest on Working Capital

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	5	6	7	8	9
	No of days	365	365	365	366	365
1	O & M Expenses	5.68	5.98	6.29	6.62	6.97
2	Maintenance Spares	10.22	10.76	11.32	11.92	12.54
3	Receivables	48.76	47.68	46.62	45.45	44.57
4	Total Working Capital	64.67	64.42	64.23	63.99	64.08
5	Rate of Interest	11.90%	11.90%	11.90%	11.90%	11.90%
6	Interest on Working Capital	7.70	7.67	7.64	7.62	7.63



Normative O & M Expenses details for LILO - DSTPS Transmission Line Sub Station (Bays)

PART-111 Appen-1

Name of the Petitioner: Damodar Valley Corporation
Name of the Region: Eastern Region
Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

			()&M Rate (R	s in lakhs/bay	7)	Amount
Sl No.	Sub Station		765kV	400 KV	220 KV	132 KV and	(Rs in Lakhs)
1	2024-25		41.34	29.53	20.67	below 15.78	Lakiis
2	2025-26		43.51	31.08	21.75	16.61	
3	2026-27		45.79	32.71	22.9	17.48	
4	2027-28		48.2	34.43	24.1	18.4	
5	2028-29		50.73	36.23	25.36	19.35	
		DCTBC)	765kV	400 KV	220 KV	132 KV and below	
	MBER OF SUB-STATION BAYS (LILO ING AS ON 31.03.2024 & CONSIDERED			2		Delow	59.06
		FY20	024-25				
		COD					
	Bays added during 2024-25						
	TOTAL 2024-25		0	0	0	0	59.060
		FY 2	025-26		-		
	Existing on 31st March 2025	COD	0	2	0	0	62.160
	TOTAL 2025-26		0	2	0	0	0.000
		FY 2	026-27		•		
	Existing on 31st March 2026	COD	0	0	0	0	0.000
	TOTAL 2026-27		0	2	0	0	65.42
		FY 2	027-28				
	Existing on 31st March 2027						
	TOTAL 2027-28	COD	0	2	0	0	(0.0(
	TOTAL 2027-28	COD	0 028-29	2	U	0	68.86
	TOTAL 2028-29	COD	028-29	2	0	0	72.46
	TOTAL 2028-23				U	U	/2.400
			SSION LINE & M				
		0 8	& NI				
		L	ine				
		L	ine	Rate (Rs in	ı lakhs/km)		
	,	L	S/C Single		n lakhs/km) D/C Double	D/C Four	
	,	L				D/C Four Conductor	
1	2024-25	L	S/C Single	D/C Single	D/C Double		
1 2	2024-25 2025-26	L	S/C Single Conductor	D/C Single Conductor	D/C Double Conductor	Conductor	
		L	S/C Single Conductor	D/C Single Conductor	D/C Double Conductor	Conductor 1.291	
2	2025-26	L	S/C Single Conductor 0.246 0.259	D/C Single Conductor 0.369 0.388	D/C Double Conductor 0.861 0.906	1.291 1.359	
3	2025-26 2026-27	L	S/C Single Conductor 0.246 0.259 0.272	D/C Single Conductor 0.369 0.388 0.409	D/C Double Conductor 0.861 0.906 0.953	1.291 1.359 1.43	
2 3 4	2025-26 2026-27 2027-28	L	S/C Single Conductor 0.246 0.259 0.272 0.287	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453	D/C Double Conductor 0.861 0.906 0.953 1.003	1.291 1.359 1.43 1.506	Amoun
2 3 4 5	2025-26 2026-27 2027-28 2028-29	L	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M	1.291 1.359 1.43 1.506 1.585	
2 3 4	2025-26 2026-27 2027-28	L	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M	1.291 1.359 1.43 1.506 1.585 D/C Four	(Rs i
2 3 4 5	2025-26 2026-27 2027-28 2028-29		S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M	1.291 1.359 1.43 1.506 1.585	(Rs i
2 3 4 5	2025-26 2026-27 2027-28 2028-29	FY 2	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M	1.291 1.359 1.43 1.506 1.585 D/C Four	(Rs in
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line		S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor	1.291 1.359 1.43 1.506 1.585 D/C Four Conductor	(Rs in
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line	FY 2	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor	1.291 1.359 1.43 1.506 1.585 D/C Four Conductor	(Rs in Lakhs
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line	FY 2: COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor	1.291 1.359 1.43 1.506 1.585 D/C Four Conductor	(Rs ii Lakhs
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25	FY 2: COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 0	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor	1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 0 0	(Rs in Lakhs 9.095 0.000
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25	FY 2: COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 10.563 0	1.291 1.359 1.43 1.506 1.585	(Rs in Lakhs 9.095 0.000
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25	FY 2 COD FY 2 COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 025-26 0 0	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor	1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 0 0	(Rs in Lakhs 9.095 0.000
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION	FY 2 COD FY 2 COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 025-26 0 0 026-27	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 10.563 0	1.291 1.359 1.43 1.506 1.585	9.099 0.000 9.570 0.000
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026	FY 2 COD FY 2 COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 025-26 0 0 026-27 0	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 10.563 0 10.563	1.291 1.359 1.43 1.506 1.585	9.093 0.000 9.570 0.000
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION	FY 2 COD FY 2 COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 025-26 0 0 026-27 0 0.000	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 10.563 0	1.291 1.359 1.43 1.506 1.585	9.093 0.000 9.570 0.000
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026 TOTAL 2026-27 ADDITION	FY 2 COD FY 2 COD FY 2 COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 025-26 0 0 026-27 0 0.0000	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 10.563 0 10.563 0 10.563 0.000	1.291 1.359 1.43 1.506 1.585	9.095 0.000 9.570 0.000 10.066
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026 TOTAL 2026-27 ADDITION Existing on 31st March 2027	FY 2 COD FY 2 COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 025-26 0 0 026-27 0 0.0000 027-28 0	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 10.563 0 10.563 0.000	1.291 1.359 1.43 1.506 1.585	9.09: 0.000 9.57(0.000 10.06' 0.000
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026 TOTAL 2026-27 ADDITION	FY 2 COD FY 2 COD FY 2 COD FY 2 COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 025-26 0 0 026-27 0 0.0000	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 10.563 0 10.563 0 10.563 0.000	1.291 1.359 1.43 1.506 1.585	9.09: 0.000 9.57(0.000 10.06' 0.000
2 3 4 5	2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026 TOTAL 2026-27 ADDITION Existing on 31st March 2027	FY 2 COD FY 2 COD FY 2 COD FY 2 COD	S/C Single Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 025-26 0 0 026-27 0 0.0000 027-28 0	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 10.563 0 10.563 0.000	1.291 1.359 1.43 1.506 1.585	Amouni (Rs ir Lakhs) 9.095 0.000 9.570 0.000 10.595 0.000

O & M (Rs. In Lakhs) for New Elements Added during 2014-19										
2024-25 2025-26 2026-27 2027-28 2028-29										
Transmission Line	9.09	9.57	10.07	10.59	11.15					
Sub Station	59.06	62.16	65.42	68.86	72.46					
Total -Transmission O&M	68.15	71.73	75.49	79.45	83.61					
GRAND TOTAL O&M	68.15	71.73	75.49	79.45	83.61					



Statement of capital cost

Name of the Petitioner: Damodar Valley Corporation Name of the Region: Eastern Region Name of the Project: Transmission & Distribution System

PART-III Appen-2

(Rs in Lakhs)

PARTICULARS		P	PROJECTE	ED	
TARTICOLARO	2024-25	2025-26	2026-27	2027-28	2028-29
CAPITAL COST AND ADD CAP					
ADDITIONAL CAPITALIZATION	0.00	0.00	0.00	0.00	0.0
DECAPITALISATION	0.00	0.00	0.00	0.00	0.0
CUMMULATIVE CAPITAL COST	2172.41	2172.41	2172.41	2172.41	2172.4
AVERAGE	2172.41	2172.41	2172.41	2172.41	2172.4
EQUITY ADDED DURING THE YEAR	0.00	0.00	0.00	0.00	0.0
EQUITY REDUCTION DUE TO					
DECAPITALISATION	0.00	0.00	0.00	0.00	0.0
CUMMULATIVE EQUITY	651.72	651.72	651.72	651.72	651.7
AVERAGE	651.72	651.72	651.72	651.72	651.7
NORMATIVE LOAN ADDED DURING THE YEAR	0.00	0.00	0.00	0.00	0.0
LOAN REDUCTION DUE TO DECAPITALISATION	0.00	0.00	0.00	0.00	0.0
CUMMULATIVE LOAN	1520.69	1520.69	1520.69	1520.69	1520.6
AVERAGE					
DEPRECIATION					
CAPITAL COST OPENING	2172.41	2172.41	2172.41	2172.41	2172.4
CAPITAL COST CLOSING	2172.41	2172.41	2172.41	2172.41	2172.4
AVERAGE CAPITAL COST	2172.41	2172.41	2172.41	2172.41	2172.4
RATE OF DEPRECIATION	5.65%	5.65%	5.65%	5.65%	5.659
FREEHOLD LAND	0.00	0.00	0.00	0.00	0.0
90% DEPRECIABLE VALUE EXCLUDING LAND & LAND RIGHTS	1955.17	1955.17	1955.17	1955.17	1955.1
CUMULATIVE DEPRECIATION AS ON 1ST APRIL	843.80	966.54	1089.28	1212.02	1334.7
ADJUSTMENT OF CUM. DEPR. DUE TO UNDISCHARGED LIABILITY UP TP PREV. YEAR	0.00	0.00	0.00	0.00	0.0
ADJUSTED CUM. DEPR. AS ON 1ST APRIL	843.80	966.54	1089.28	1212.02	1334.7
BALANCE DPRECIABLE VALUE	1111.37	988.63	865.89	743.15	620.4
DEPRECIATION TO BE RECOVERED	122.74	122.74	122.74	122.74	122.7
CUMMALATIVE DEPRECIATION	966.54	1089.28	1212.02	1334.76	1457.5
CUMMALATIVE DEPRECIATION ADJUSTMENT ON ACCOUNT OF DISCHARGE OF LIABILITIES	0.00	0.00	0.00	0.00	0.0
ADJUSTMENT OF DECAPITALISATION	0.00	0.00	0.00	0.00	0.0
NET CUMULATIVE DEPRECIATION AT THE END OF THE PERIOD	966.54	1089.28	1212.02	1334.76	1457.5

Note :- 400 kV LILO DSTPS, LILO RTPS, DSTPS-RTPS Transmission Lines owned by DVC declared ISTS by ERPC.



Calculation of Savings due to Loan Re-financing

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (LILO RTPS)

(Amount in Rs. Lakh)

Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	=
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Rate of Interest on Loan on annual basis	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Total Loan						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Weighted average Rate of Interest on Loans	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%
Computation of net savings on interest due to loan r	e-financing:					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Average Normative loan (refer Form-9E)		615.52	492.78	370.04	247.29	124.55
Weighted Average Rate of Interest on Loans - without lo		11.09%	11.09%	11.09%	11.09%	11.09%
Interest on normative loan - without loan re-financing (A		68.26	54.65	41.04	27.42	13.81
Actual Weighted Average Rate of Interest on Loans - wi	ith loan re-	9.04%	9.04%	9.04%	9.04%	9.04%
financing (refer Form-9E)		9.0470	9.0470	9.0470	9.0470	9.0470
Interest on normative loan - with loan re-financing (refe		55.64	44.54	33.45	22.35	11.26
Net savings on interest due to loan re-financing (C = A	- B)	12.62	10.11	7.59	5.07	2.55
DVC's share in the net savings on interest due to loa as per Reg. 61(1) of CERC Tariff Regulations 2019 (6.31	5.05	3.79	2.54	1.28

Note

1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.



TARIFF FILING FORMS FOR

ISTS SYSTEM - DSTPS-RTPS LINE

FOR DETERMINATION OF TARIFF
FOR 2024-29 PERIOD

ANNEXURE - H



INDEX

PART-III

Checklist of Forms and other information/ documents for tariff filing for <u>Transmission System & Communication System</u>

<u>Transmission System & Communication System</u>										
Form No.	Title of Tariff Filing Forms (Transmission & Communication System)	Tick								
FORM- 1	Summary Sheet	√								
FORM-2	Details of Transmission Lines and Substations, Communication System	, √								
FORM-3	Normative parameters considered for tariff computations	√								
FORM- 4	Abstract of admitted parameters for the existing transmission assets/elements	X								
FORM- 4A	Statement of Capital cost	X								
FORM- 4B	Statement of Capital Works in Progress	X								
FORM- 4C	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Project/Element	X								
FORM-5	Element wise Break-up of Project/Asset/Element Cost for Transmission System	X								
FORM-5A	Break-up of Construction/Supply/Service packages	X								
FORM-5B	Details of all the assets covered in the project	X								
FORM- 6	Financial Package upto COD	X								
FORM- 7	Statement of Additional Capitalisation after COD	$\sqrt{}$								
FORM- 7A	Financing of Additional Capitalisation	X								
FORM- 7B	Statement of Additional Capitalisation during fag end* of the Project	X								
FORM- 8	Calculation of Return on Equity	√								
FORM-8A	Details of Foreign Equity	X								
FORM-9	Details of Allocation of corporate loans to various transmission elements	X								
FORM-9A	Details of Project Specific Loans	X								
FORM-9B	Details of Foreign loans	X								
FORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	V								
FORM-9D	Loans in Foreign Currency	X								
FORM-9E	Calculation of Interest on Normative Loan	V								
FORM- 10	Calculation of Depreciation Rate on original project cost	√								
FORM- 10A	Statement of Depreciation	V								
FORM- 10B	Statement of De-capitalisation	X								
FORM- 11	Calculation of Interest on Working Capital	$\sqrt{}$								
FORM- 12	Details of time over run	X								
FORM- 12A	Incidental Expenditure during Construction	X								
FORM- 12B	Calculation of IDC & Financing Charges	X								
FORM- 13	Details of Initial spares	X								
FORM- 14	Non-Tariff Income	X								
FORM- 15	Summary of issue involved in the petition	√								
Appen-1	O & M Expenses details	√								
Appen-2	Indput Data	√								
Appen-3	Calculation of Savings due to Loan Re-financing	√								
Appen-4	Sanction Order	X								
Other Information/										
Sl. No.	Information/Document	Tick								
1	Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC)	X								
2	Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System & Communication System for the relevant years.	X								
3	Copies of relevant loan Agreements	X								
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	X								
5	Copies of the Equity participation agreements and necessary approval for the foreign equity.	X								
6	Copies of the BPTA/TSA/PPA with the beneficiaries, if any	X								
I_		Λ								
7	Detailed note giving reasons of cost and time over run, if applicable.	X								
7	Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart									
8	Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis	X								
9	Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2019-20 and 2020-21 at the time of mid-term true-up in 2021- 22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished. BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the available information with BBMB. BBMB may modify formats suitably as per available information to them for submission of required information for tariff purpose.	X X X								
	Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2019-20 and 2020-21 at the time of mid-term true-up in 2021- 22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished. BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the available information with BBMB. BBMB may modify formats suitably as per available information to them for submission of	X X								

Note1: Electronic copy of the petition (in word format) and detailed calculation as per these formats (in excel format) and any other information submitted shall also be furnished in the form of CD/Floppedic.



Summary Sheet

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

S.N o.	Particulars	unit	Form Reference	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	5	6	7	8
A	Cost components as per Regulations 30, 31, basis of availability	32, 33, 34, 35 of t	he CERC (Terms	and Condition	ns of Tariff) Ro	egulations, 201	9, to be recove	ered on the
A.1	Depreciation	Rs Lakhs	Form-10A	839.34	839.34	839.34	839.34	839.34
A.2	Interest on Loan	Rs Lakhs	Form-9E	297.15	221.28	145.41	69.54	15.81
A.3	Return on Equity ¹	Rs Lakhs	Form-8	923.14	923.14	923.14	923.14	923.14
A.4	Interest on Working Capital	Rs Lakhs	Form-11	38.84	37.98	37.14	36.25	35.91
A.5	O & M Expenses	Rs Lakhs	Appen-I-O & M (2019-24)	177.96	187.29	197.07	207.43	218.31
	Sub-total: A	Rs in Lakh		2276.42	2209.03	2142.11	2075.70	2032.50
В	Cost components as per Regulation 34 (3) (o Orders, and the DVC Act, to be recovered i		*	d Conditions	of Tariff) Regu	ılations 2019,	Subsequent CI	ERC/Court
B.1	DVC's share of savings in interest cost due to loan restructuring	Rs in Lakh	Appen-3 Loan Restr Savings	33.86	25.22	16.57	7.93	1.79
_	Sub-total: B	Rs in Lakh		33.86	25.22	16.6	7.9	1.8
	Grand Total	Rs in Lakh		2310.29	2234.24	2158.68	2083.62	2034.30

Note

1: Details of calculations, considering equity as per regulation, to be furnished (As per Form 8).

DETAILS OF TRANSMISSION LINES & SUBSTATIONS & COMMUNICATION SYSTEM

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

Transmission Lines:

S. No.	Name of lin		Type of line	S/C or D/C	No. of Sub-	Voltage	Line length	Line length	Date of Commercial		ed in the
5. 110.	Name of mi	ie	AC/HVDC	S/C OF D/C	Conducto rs	level kV	Ckt km.	km	operation	Yes/No	If No, petition No.
	EXISTING L	INES									
1	Single Circuit LILO of 400 KV D/v Jamshedpur (PG) at DSTPS Tw		AC	D/C	2	400 KV	7.78	3.89	1-Feb-11	Yes	
2	Single Circuit LILO of 400 KV D/C Maithon (PG) – Ranchi(PG) at RTPS (DOCO 01.07.2012)		AC	D/C	2	400 KV	21.126	10.563	1-Jul-12	Yes	
3	Double Circuit 400 KV DSTPS - R (DOCO 01.08.2013)	TPS Twin Moose	AC	D/C	2	400 KV	139	69.5	1-Aug-13	Yes	
	NEW LINES										
4	Double Circuit 400 KV RTPS – Ranchi (PG) Quad Moose Conductor		AC	D/C	4	400 KV	311	155.5	30.08.2017	Yes	
Subst	ations:										
		Type of Substation Conventional(Greenfield/		No. of transformers		N	lo. of Bays	Date of			ed in the nt petition
S.NO.	Name of Sub-station	Brownfield)/ GIS/ HVDC terminal/ HVDC Back to Back	Voltage level kV	/Reactors/ SVC etc. (with capacity)	765 kV	400 kV	220 kV	132 kV & Below	Commercial operation	Yes/No	If No, petition No.
1	TWO NOS. 400 KV BAYS FOR DSTPS(ANDAL)- RTPS(RAGHUNATHPUR) TRANSMISSION LINE AT RTPS END		400KV			2			01.08.2013	Yes	
2	TWO NOS. 400 KV BAYS FOR DSTPS(ANDAL)- RTPS(RAGHUNATHPUR) TRANSMISSION LINE AT DSTPS(ANDAL) END		400KV			2			01.08.2013	Yes	

Normative parameters considered for tariff computations

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

Year Ending March **Particulars** 2025-26 2027-28 2024-25 2026-27 2028-29 Unit **(1) (2) (3) (5) (7) (4) (6)** Base Rate of Return on Equity % 15.50% 15.50% 15.50% 15.50% 15.50% % 25.17% 25.17% 25.17% 25.17% Tax Rate 25.17% 25.17% 25.17% % 25.17% 25.17% 25.17% Effective tax rate 98 98 98 Target Availability % 98 98 Rs. Lakh Normative O&M per km Single Circuit (Bundled Conductor with six or more sub-conductor) 0.861 0.906 0.953 1.003 1.056 Single Circuit (Bundled Conductor with four sub-conductors) 0.738 0.776 0.817 0.905 0.86 0.492 0.518 0.545 0.573 0.603 Single Circuit (Twin & Triple conductor) 0.246 0.259 0.272 0.287 0.302 Single Circuit (Single conductor) Double Circuit (Bundled Conductor with four or more sub-1.291 1.359 1.43 1.506 1.585 conductors) 0.953 Double Circuit (Twin & Triple conductor) 0.861 0.906 1.003 1.056 Double Circuit (Single conductor) 0.369 0.388 0.409 0.43 0.453 Multi Circuit (Bundled Conductor with four or more sub-2.385 2.51 2.266 2.642 2.781 1.588 1.759 1.851 Multi Circuit (Twin & Triple conductor) 1.509 1.671 Normative O&M per bay Rs. Lakh 765 kV 41.34 45.79 43.51 48.2 50.73 400 kV 29.53 31.08 32.71 34.43 36.23 220 kV 20.67 21.75 22.9 24.1 25.36 132 kV and below 19.35 15.78 16.61 17.48 18.4 Normative O&M for Transformers per MVA Rs. Lakh 765 kV 0.262 0.276 0.29 0.305 0.322 400 kV 0.305 0.262 0.276 0.29 0.322 220 kV 0.276 0.29 0.262 0.305 0.322 132 kV and below 0.262 0.276 0.29 0.305 0.322 Spares for WC as % of O&M % 15 15 15 15 15 45 Receivables in Days for WC 45 45 45 45 Days 11.90% Bank Rate as on 1.04.2024 (SBI 1Y MCLR+325 basis points) % 11.90% 11.90% 11.90% 11.90%

2.Mention relevant date



^{1.}To be supported by necessary documents and calculations. Effective tax rate is to be computed in accordance with Regulation 25 i.e. actual tax (or estimated tax)/gross income, where gross income refers the profit before tax.

Statement of Additional Capitalisation after COD

PART-III Form7

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System
Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

COD 01-Aug-13

Sr. No.	Year	Work/Equipment proposed to be added after COD upto Cut off Date/ beyond Cut-off Date	Amount capitalized /Proposed to be capitalized (Rs Lakh)	New or Replaceme nt	SUB STATION or LINE or COMMUNIC ATION	NAME	COD of old asset (in case of replaced items)	Justification	Regulations under which covered	Admitted Cost ¹ (Rs Lakh)
(1)	(2)	(3)	(4)					(5)	(6)	(7)
		F.Y 2024-25								
1	2024-25	400 KV DSTPS-RTPS LINE							14(1)(i)	
		TOTAL (2024-25)	0.00							
		F.Y 2025-26								
1	2025-26	400 KV DSTPS-RTPS LINE							14(1)(i)	
		TOTAL (2025-26)	0.00							
		F.Y 2026-27	1							
1	2026-27	400 KV DSTPS-RTPS LINE							14(3)(v)	
		Total (2026-27)	0.00							
		F.Y 2027-28								
1	2027-28	400 KV DSTPS-RTPS LINE							14(3)(v)	
		TOTAL (2027-28)	0.00							
		F.Y 2028-29								
1	2028-29	400 KV DSTPS-RTPS LINE							14(3)(v)	
		TOTAL (2028-29)	0.00							
	1	1	1	ı			1		I	1



PART-III Form-8

Calculation of Return on Equity at Normal Rate

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region
Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

(Amt. in Lakhs)

S.N o.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	4	5	6	7	8
1.1	Equity as on COD/Admitted equity #	4,456.68	4,456.68	4,456.68	4,456.68	4,456.68
1.2	Notional Equity for Add Cap after cut-off date	-	-	-	-	-
1.3	Notional Equity for Add Cap after completion of useful life	-	-	-	-	-
1.4	Total Equity	4,456.68	4,456.68	4,456.68	4,456.68	4,456.68
1.5	Return on Equity on project cost till Cutoff date	20.71%	20.71%	20.71%	20.71%	20.71%
1.6	Return on Equity on Add Cap	923.14	923.14	923.14	923.14	923.14

Note:- 1: * - To be calculated on average equity during the year.



						FORM-9C
<u>Calculation of Weighted</u>	Average Ra	te of Interes	t on Actual L	oans T&D		
Name of the Petitioner	0					
	L Tr. 4:					(Rs. Lakh)
Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Loan-4 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	78,995.85	78,995.85
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	-	-
Add: Drawal(s) during the Year	-					
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	57,930.29		
Net loan - Closing	68,463.07	63,196.68	57,930.29	-	-	-
Average Net Loan	68,679.49	65,829.87	60,563.48	6,290.78	-	-
Rate of Interest on Loan on annual basis	10.15%	10.15%	10.15%	9.98%		
Interest on loan	6,970.97	6,681.73	6,147.19	627.82	-	-
Loan - 3 Punjab & Sind Bank Loan (For T&D)						
Gross loan - Opening				-	52,663.90	52,663.90
Cumulative repayments of Loans upto previous year	<u> </u>			_	3,949.79	9,216.18
Net loan - Opening				_	48,714.11	43,447.72
Add: Drawal(s) during the Year				52,663.90	10,711.11	13,117.72
Less: Repayment (s) of Loans during the year				3,949.79	5,266.39	5,266.39
Net loan - Closing		_	_	48,714.11	43,447.72	38,181.33
Average Net Loan pro-rated based on repayment date			_	46,845.64	46,080.92	40,814.53
(see Note -5)				10,013.01	10,000.92	10,011.55
Rate of Interest on Loan on annual basis (refer Note below **)				7.80%	7.76%	8.72%
Interest on loan				3,653.96	3,577.99	3,559.01
Loan-4(i): Share of GoI Guaranteed DVC Bonds (Series - 14 - Rs. 4,400 Crore) (Drawn On 30.03.2012)						
Gross loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Cumulative repayments of Loans upto previous year	-	-	-	-	-	-
Net loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	-	-	-	-	-	<u> </u>
Net loan - Closing	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Average Net Loan	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Rate of Interest on Loan on annual basis	10.30%	10.30%	10.80%	10.53%	10.44%	10.34%
Interest on loan	1,030.00	1,030.00	1,080.11	1,053.36	1,044.15	1,034.12
Total Loan						
Gross loan - Opening	88,995.85	88,995.85	88,995.85	88,995.85	141,659.75	141,659.75
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	82,945.64	88,212.03
Net loan - Opening	83,729.46	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72
Add: Drawal(s) during the Year	-	-	-	52,663.90	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	61,880.08	5,266.39	5,266.39
Net loan - Closing	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72	48,181.33
Average Net Loan	78,679.49	75,829.87	70,563.48	63,136.42	56,080.92	50,814.53
Interest on loan	8,000.97	7,711.73	7,227.31	5,335.14	4,622.14	4,593.13
Weighted average Rate of Interest on Loans	10.17%	10.17%	10.24%	8.45%	8.24%	9.04%

Note:
1.In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

Calculation of Interest on Normative Loan

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

Amount in Rs. Lakhs

Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
Gross Normative loan - Opening	10398.91	10398.91	10398.91	10398.91	10398.91	10398.91
Cumulative repayment of Normative Loan upto previous year	5852.49	6691.83	7531.17	8370.52	9209.86	10049.20
Net Normative loan - Opening	4546.42	3707.08	2867.74	2028.40	1189.06	349.72
Add: Increase due to addition during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to repayment during the year / period	893.34	839.34	839.34	839.34	839.34	349.72
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Net Normative loan - Closing	3707.08	2867.74	2028.40	1189.06	349.72	0.00
Average Normative Loan	4126.75	3287.41	2448.07	1608.73	769.39	174.86
Weighted average Rate of Interest of actual Loans	9.04%	9.04%	9.04%	9.04%	9.04%	9.04%
Interest on Normative loan	373.02	297.15	221.28	145.41	69.54	15.81

Note:

1. At the time of true-up net savings as a result of refinancing of loans may be provided along with adjustments of sharing.



PART-III FORM- 10

Calculation of Depreciation Rate on Original Project Cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

Amount in Rs. Lakh

Sl. no.	Name of the Assets ¹	Gross Block as on 31.03.2019 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.24	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.24
	1	2	3	4= Col.2 X Col.3
1	Land			
2	Building			
3	and so on			
4				
	TOTAL			
	Weighted Average Rate of Depreciation (%) *		5.650%	

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

Note: * Rate of depreciation is as considered for FY 2023-24



Statement of Depreciation

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

(Amount in Rs. Lakhs)

Sl. No.	Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7)
1	Opening Capital Cost	14855.59	14855.59	14855.59	14855.59	14855.59	14855.59
2	Closing Capital Cost	14855.59	14855.59	14855.59	14855.59	14855.59	14855.59
3	Average Capital Cost	14855.59	14855.59	14855.59	14855.59	14855.59	14855.59
4	Freehold land	0.00	0.00	0.00	0.00	0.00	0.00
5	Rate of depreciation	5065.00%	5.650%	5.650%	5.650%	5.650%	5.650%
6	Depreciable value	13370.03	13370.03	13370.03	13370.03	13370.03	13370.03
7	Balance useful life at the beginning of the period						
8	Remaining depreciable value	7517.54	6678.20	5838.86	4999.52	4160.17	3320.83
9	Depreciation (for the period)	839.34	839.34	839.34	839.34	839.34	839.34
10	Depreciation (annualised)	839.34	839.34	839.34	839.34	839.34	839.34
11	Cumulative depreciation at the end of the period	6691.83	7531.17	8370.51	9209.85	10049.19	10888.53
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	0.00	0.00	0.00	0.00	0.00	0.00
13	Net Cumulative depreciation at the end of the period	6691.83	7531.17	8370.51	9209.85	10049.19	10888.53

^{1.} In case of details of FERV and AAD, give information for the applicable period.



PART-III FORM-11

Calculation of Interest on Working Capital

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	
1	2	3	4	5	6	7	
	No of Days	365	365	365	366	365	
1	O & M Expenses	14.83	15.61	16.42	17.29	18.19	
2	Maintenance Spares	26.69	28.09	29.56	31.11	32.75	
3	Receivables	284.83	275.45	266.14	256.18	250.80	
4	Total Working Capital	326.35	319.16	312.12	304.58	301.74	
5	Rate of Interest	11.90%	11.90%	11.90%	11.90%	11.90%	
6	Interest on Working Capital	38.84	37.98	37.14	36.25	35.91	



Normative O & M Expenses details for LILO - DSTPS Transmission Line Sub Station (Bays) Name of the Petitioner: Damodar Valley Corporation PART-III Name of the Region: Eastern Region Appendix-1 Name of the Project: Transmission & Distribution System Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS) O&M Rate (Rs in lakhs/bay) Amount (Rs in SI No. **Sub Station** 132 KV and Lakhs) 765kV 400 KV 220 KV below 2024-25 41.34 29.53 20.67 15.78 2025-26 43.51 31.08 21.75 16.61 2026-27 45.79 32.71 22.9 17.48 2027-28 48.2 34.43 24.1 18.4 2028-29 50.73 36.23 25.36 19.35 132 KV and 400 KV 220 KV 765kV below NUMBER OF SUB-STATION BAYS (LILO DSTPS) EXISTING AS ON 31.03.219 & CONSIDERED FOR O&M FY2024-25 COD 1 Existing on 31st March 2024 TOTAL 2024-25 118,120 FY 2025-26 2 Existing on 31st March 2025 124.320 COD 4 TOTAL 2025-26 4 124.320 FY 2026-27 3 Existing on 31st March 2026 COD 4 0 0 130.84 TOTAL 2026-27 130.84 FY 2027-28 4 Existing on 31st March 2027 137.720 COD 0 0 TOTAL 2027-28 137.720 FY 2028-29 5 Existing on 31st March 2028 COD 0 0 144.920 TOTAL 2028-29 LINE 0 & M Line Rate (Rs in lakhs/km) Line S/C Single D/C Single D/C Double D/C Four Conductor Conductor Conductor Conductor 2024-25 0.246 0.369 0.861 1.291 2025-26 0.259 0.388 1.359 2026-27 0.272 0.409 0.953 1.43 2027-28 0.287 0.43 1.003 1.506 2028-29 0.302 0.453 1.056 1.585 Amount (Rs in SI No. Line D/C Single D/C Double D/C Four S/C Single Lakhs Conductor Conductor Conductor Conductor FY2024-25 COD Existing on 31st March 2024 0 0 69.5 0 59.840 TOTAL 2024-25 0 0 0 0 0.000 FY 2025-26 69 5 Existing on 31st March 2025 COD 0 O 62.967 TOTAL 2025-26 ADDITION 0 0 0 0 0.000 FY 2026-27 Existing on 31st March 2026 COD 0 69.5 0 66.234 TOTAL 2026-27 ADDITION 0.000 0.000 0.000 0.000 0.000 FY 2027-28 Existing on 31st March 2027 COD 0 0 69.5 0 69.709 0.000 TOTAL 2027-28 ADDITION 0 0 0 0 FY 2028-29 Existing on 31st March 2028 TOTAL 2028-29 ADDITION COD 69.5 73.392 0 0 0 0.000 Note: O & M (Rs. In Lakhs) for New Elements Added during 2014-19 2024-25 2025-26 2027-28 2028-29 2026-27 Transmission Line 59.84 62.97 69.71 73.39 66.23



124.32

187.29

187.29

130.84

197.07

197.07

137.72

207.43

207.43

144.92

218.31

218.31

118.12

177.96

177.96

Sub Station

Total -Transmission O&M
GRAND TOTAL O&M

Statement of capital cost

Name of the Petitioner: Damodar Valley Corporation
Name of the Region: Eastern Region
Name of the Project: Transmission & Distribution System
Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

(Rs in Lakhs)

PART-III Annexure-2

	Capital						
PARTICULARS	cost as on 31.3.2024	2024-25	2025-26	2026-27	2027-28	2028-29	
CAPITAL COST AND ADD CAP	14855.59						
ADDITIONAL CAPITALIZATION		0.00	0.00	0.00	0.00	0.0	
DECAPITALISATION		0.00	0.00	0.00	0.00	0.0	
CUMMULATIVE CAPITAL COST	14855.59	14855.59	14855.59	14855.59	14855.59	14855.5	
AVERAGE		14855.59	14855.59	14855.59	14855.59	14855.5	
EQUITY ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.0	
EQUITY REDUCTION DUE TO DECAPITALISATION		0.00	0.00	0.00	0.00		
CUMMULATIVE EQUITY	4456.68	4456.68	4456.68	4456.68	4456.68	4456.6	
AVERAGE		4456.68	4456.68	4456.68	4456.68	4456.6	
NORMATIVE LOAN ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.0	
LOAN REDUCTION DUE TO DECAPITALISATION							
CUMMULATIVE LOAN	10398.91	10398.91	10398.91	10398.91	10398.91	10398.9	
AVERAGE		10398.91	10398.91	10398.91	10398.91	10398.9	
DEPRECIATION							
CAPITAL COST OPENING	14855.59	14855.59	14855.59	14855.59	14855.59	14855.5	
CAPITAL COST CLOSING		14855.59	14855.59	14855.59	14855.59	14855.5	
AVERAGE CAPITAL COST		14855.59	14855.59	14855.59	14855.59	14855.5	
RATE OF DEPRECIATION		5.650%	5.650%	5.650%	5.650%	5.6509	
FREEHOLD LAND							
90% DEPRECIABLE VALUE EXCLUDING LAND & LAND RIGHTS		13370.03	13370.03	13370.03	13370.03	13370.0	
CUMULATIVE DEPRECIATION AS ON 1ST APRIL		6691.83	7531.17	8370.52	9209.86	10049.2	
ADJUSTMENT OF CUM. DEPR. DUE TO UNDISCHARGED LIABILITY UP TP PREV. YEAR		0.00	0.00	0.00	0.00	0.0	
ADJUSTED CUM. DEPR. AS ON 1ST APRIL		6691.83	7531.17	8370.52	9209.86	10049.2	
BALANCE DPRECIABLE VALUE		6678.20	5838.86	4999.52	4160.17	3320.8	
DEPRECIATION TO BE RECOVERED		839.34	839.34	839.34	839.34	839.3	
CUMMALATIVE DEPRECIATION		7531.17	8370.52	9209.86	10049.20	10888.5	
CUMMALATIVE DEPRECIATION ADJUSTMENT ON ACCOUNT OF DISCHARGE OF LIABILITIES		0.00	0.00	0.00	0.00	0.0	
ADJUSTMENT OF DECAPITALISATION		0.00	0.00	0.00	0.00	0.0	
NET CUMULATIVE DEPRECIATION AT THE END OF THE PERIOD	6691.83	7531.17	8370.52	9209.86	10049.20	10888.5	

Note :- 400 kV LILO DSTPS, LILO RTPS, DSTPS-RTPS Transmission Lines owned by DVC declared ISTS by ERPC.



PART-III Appen-3

Calculation of Savings due to Loan Re-financing

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: 400 kV ISTS Line (DSTPS-RTPS)

(Amount in Rs. Lakh)

Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Rate of Interest on Loan on annual basis	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Total Loan						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Weighted average Rate of Interest on Loans	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%

Computation of net savings on interest due to loan re-financing:

Computation of net savings on interest due to loan re-imancing.					
Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Average Normative loan (refer Form-9E)	3,287.41	2,448.07	1,608.73	769.39	174.86
Weighted Average Rate of Interest on Loans - without loan re- financing	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on normative loan - without loan re-financing (A)	364.57	271.49	178.41	85.32	19.39
Actual Weighted Average Rate of Interest on Loans - with loan re- financing (refer Form-9E)	9.03%	9.03%	9.03%	9.03%	9.04%
Interest on normative loan - with loan re-financing (refer Form-9E) (B)	296.85	221.06	145.27	69.47	15.81
Net savings on interest due to loan re-financing (C = A - B)	67.73	50.43	33.14	15.85	3.59
DVC's share in the net savings on interest due to loan re-financing as per Reg. 61(1) of CERC Tariff Regulations 2019 (D = C/2)	33.86	25.22	16.57	7.93	1.79

Note

1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.



TARIFF FILING FORMS FOR

400 KV RAGHUNATHPUR(RTPS)-RANCHI TRANSMISSION LINE-QUAD MOOSE CONDUCTOR

FOR DETERMINATION OF TARIFF
FOR 2024-29 PERIOD

ANNEXURE - I



	INDEX <u>Checklist of Forms and other information/ documents for tariff filing</u> Transmission System & Communication System (2019-24 PERIOD	
Form No.	Title of Tariff Filing Forms (Transmission & Communication System)	<u>Tick</u>
FORM- 1	Summary Sheet	V
FORM-2	Details of Transmission Lines and Substations, Communication System	V
ORM-3	Normative parameters considered for tariff computations	V
ORM- 4	Abstract of admitted parameters for the existing transmission assets/elements	X
ORM- 4A	Statement of Capital cost	X
ORM- 4B	Statement of Capital Works in Progress	X
FORM- 4C	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Project/Element	X
ORM-5	Element wise Break-up of Project/Asset/Element Cost for Transmission System	√
ORM-5A	Break-up of Construction/Supply/Service packages	X
ORM-5B	Details of all the assets covered in the project	X
ORM- 6	Financial Package upto COD	X √
ORM- 7	Statement of Additional Capitalisation after COD	·
ORM- 7A	Financing of Additional Capitalisation	X
ORM- 7B	Statement of Additional Capitalisation during fag end of the Project	X
ORM- 8	Calculation of Return on Equity	√ V
ORM-8A	Details of Foreign Equity	X
ORM-9	Details of Allocation of corporate loans to various transmission elements	X
ORM-9A	Details of Project Specific Loans	X
ORM-9B	Details of Foreign loans	X
ORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	X √
	5 5	X
FORM-9D	Loans in Foreign Currency Calculation of Interest on Normative Loan	X √
ORM-9E		√ √
ORM- 10	Calculation of Depreciation Rate on original project cost	'.
ORM- 10A	Statement of Depreciation	√
ORM- 10B	Statement of De-capitalisation	X
ORM- 11	Calculation of Interest on Working Capital	V
ORM- 12	Details of time over run	X
ORM- 12A	Incidental Expenditure during Construction	X
FORM- 12B	Calculation of IDC & Financing Charges	X
ORM- 13	Details of Initial spares	X
ORM- 14	Non-Tariff Income	X
ORM- 15	Summary of issue involved in the petition	X
Appen-1	O & M Expenses details	√
Appen-2	Statement of capital cost (Input Data)	√
Appen-3	Computation of Savings due Loan Refinancing	√
Other Information	n/ Documents	
l. No.	Information/Document	Tick
	Certificate of incorporation, Certificate for Commencement of Business,	
	Memorandum of Association, & Articles of Association (For New Project(s)	X
	setup by a company making tariff application for the first time to CERC)	A
2	Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the new Transmission System &	X
•	with an the senedules & annextites for the new Transmission System &	1 **
	Communication System for the relevant years	
	Communication System for the relevant years.	v
	Copies of relevant loan Agreements	X
<u>. </u>	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and	X V
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package.	
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the	
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity.	√ X
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any	√ X X
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable.	√ X
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted:	√ X X
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report	√ X X X X
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis	√ X X
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart	√ X X X X
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun	√ X X X X
	Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along	√ X X X X
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for	√ X X X X
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two	√
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2024-25 and 2025-26 at the time of mid-term true-up in 2021-	√ X X X X
	Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2024-25 and 2025-26 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in	√
	Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2024-25 and 2025-26 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost	√
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2024-25 and 2025-26 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished.	√
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	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2024-25 and 2025-26 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished. BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the	√
	Copies of relevant loan Agreements Copies of the approval of Competent Authority for the Capital Cost and Financial package. Copies of the Equity participation agreements and necessary approval for the foreign equity. Copies of the BPTA/TSA/PPA with the beneficiaries, if any Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a.Detailed Project Report b.CPM Analysis c.PERT Chart and Bar Chart d.Justification for cost and time Overrun Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2024-25 and 2025-26 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished. BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the available information with BBMB. BBMB may modify formats	√

Note1: Electronic copy of the petition (in word format) and detailed calculation as per these formats (in excel format) and any other information submitted shall also be furnished in the form of CD/Floppy disc.



Summary Sheet

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose Conductor

							Amount Rs. in	Lakh
N o.	Particulars	Unit	Form Reference	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	5	6	7	8
A	Cost components as per Regulations 30 of availability	, 31, 32, 33, 34, 35	of the CERC (Terms an	d Conditions o	f Tariff) Regu	lations, 2019, t	to be recovered	d on the basis
1.1	Depreciation	Rs in Lakh	Form-10A	2691.18	2691.18	2691.18	2691.18	2691.1
1.2	Interest on Loan	Rs in Lakh	Form-9E	1228.11	984.86	741.60	498.34	255.0
1.3	Return on Equity ¹	Rs in Lakh	Form-8	2959.86	2959.86	2959.86	2959.86	2959.8
1.4	Interest on Working Capital	Rs in Lakh	Form-11	113.62	110.59	107.58	104.35	101.6
1.5	O & M Expenses	Rs in Lakh	Appen-1 O&M (2024-29)	259.81	273.48	287.79	303.04	318.9
	Sub-total: A	Rs in Lakh		7,252.58	7,019.97	6,788.00	6,556.77	6,326.73
В	Cost components as per Regulation 34 Orders, and the DVC Act, to be recove		,	Conditions of T	Cariff) Regulat	ions 2019, Sub	osequent CER(C/Court
1.9	DVC's share of savings in interest cost due to loan restructuring	Rs in Lakh	Appen-3-Loan Restr.	139.33	111.73	84.14	56.54	28.94
	Sub-total: B	Rs in Lakh		139.33	111.73	84.14	56.54	28.94
	Grand Total	Rs in Lakh		7391.91	7131.70	6872.14	6613.31	6355.67

Note

1: Details of calculations, considering equity as per regulation, to be furnished (As per Form 8).



PART-III FORM- 2

DETAILS OF TRANSMISSION LINES & SUBSTATIONS & COMMUNICATION SYSTEM

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS - Ranchi (PG) -- Quad Moose Conductor

Transmission Lines:

S. No.	Name of line		Type of line	S/C or D/C	No. of Sub-		Line length	Line length	Date of Commercial		Covered in the present petition	
3. 110.	rvaine of	i ilie	AC/HVDC	5/C 01 D/C	Conducto rs	level kV	Ckt km.	km	operation		Yes/No	If No, petition No.
	EXISTING	LINES										
1	Single Circuit LILO of 40 (PG) – Jamshedpur (PG) Moose Conductor		AC	D/C	2	400 KV	7.78	3.89	1-Feb-11		Yes	
2	Single Circuit LILO of 40 (PG) – Ranchi(PG) at RT 01.07.2012)		AC	D/C	2	400 KV	21.126	10.563	1-Jul-12		Yes	
3	Double Circuit 400 KV D Twin Moose (DOCO 01.0		AC	D/C	2	400 KV	139	69.5	1-Aug-13		Yes	
	NEW L	INES										
4	Double Circuit 400 KV R Quad Moose Conductor	TPS – Ranchi (PG)	AC	D/C	4	400 KV	311	155.5	30.08.2017		Yes	
Substa	ations:											
S.NO.	Name of	Type of Substation Conventional(Greenfiel d/ Brownfield)/ GIS/	Voltage	No. of transformers /Reactors/ SVC		No. of Bays		Date of Commercial		Covered in the present petition		
Sir voi	Sub-station	HVDC terminal/ HVDC Back to Back	level kV	etc. (with capacity)	765 kV	400 kV	220 kV	132 kV & Below	operation		Yes/No	If No, petition No.
1	TWO NOS. 400 KV BAYS FOR RTPS- RANCHI TRANSMISSION LINE AT RTPS END		400kV			2			30.08.2017		Yes	



Normative parameters considered for tariff computations

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS - Ranchi (PG) --- Quad Moose Conductor

Year Ending March

				rear Brang		
Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Base Rate of Return on Equity	%	15.50%	15.50%	15.50%	15.50%	15.50%
Tax Rate	%	25.17%	25.17%	25.17%	25.17%	25.17%
Effective tax rate ¹	%	25.17%	25.17%	25.17%	25.17%	25.17%
Target Availability	%	98	98	98	98	98
Normative O&M per km	Rs. Lakh					
Single Circuit (Bundled Conductor with six or more sub-conductor)		0.861	0.906	0.953	1.003	1.056
Single Circuit (Bundled Conductor with four sub-conductors)		0.738	0.776	0.817	0.86	0.905
Single Circuit (Twin & Triple conductor)		0.492	0.518	0.545	0.573	0.603
Single Circuit (Single conductor)		0.246	0.259	0.272	0.287	0.302
Double Circuit (Bundled Conductor with four or more sub- conductors)		1.291	1.359	1.43	1.506	1.585
Double Circuit (Twin & Triple conductor)		0.861	0.906	0.953	1.003	1.056
Double Circuit (Single conductor)		0.369	0.388	0.409	0.43	0.453
Multi Circuit (Bundled Conductor with four or more sub-conductors)		2.266	2.385	2.51	2.642	2.781
Multi Circuit (Twin & Triple conductor)		1.509	1.588	1.671	1.759	1.851
Normative O&M per bay	Rs. Lakh					
765 kV		41.34	43.51	45.79	48.2	50.73
400 kV		29.53	31.08	32.71	34.43	36.23
220 kV		20.67	21.75	22.9	24.1	25.36
132 kV and below		15.78	16.61	17.48	18.4	19.35
Normative O&M for Transformers per MVA	Rs. Lakh					
765 kV		0.262	0.276	0.29	0.305	0.322
400 kV		0.262	0.276	0.29	0.305	0.322
220 kV		0.262	0.276	0.29	0.305	0.322
132 kV and below		0.262	0.276	0.29	0.305	0.322
Spares for WC as % of O&M	%	15	15	15	15	15
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 1.04.2024 (SBI 1Y MCLR+325 basis points)	%	11.90%	11.90%	11.90%	11.90%	11.90%

^{1.}To be supported by necessary documents and calculations. Effective tax rate is to be computed in accordance with Regulation 25 i.e. actual tax (or estimated tax)/gross income, where gross income refers the profit before tax.

^{2.}Mention relevant date

Part-III Form7

Statement of Additional Capitalisation after COD

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose Conductor

Sr. No.	Year	Work/Equipment proposed to be added after COD upto Cut off Date/ beyond Cut-off Date	Amount capitalized /Proposed to be capitalized (Rs Lakh)	NAME	Year of commissioning of old asset (in case of replacement)	Justification	Regulations under which covered	Admitted Cost(1) (Rs Lakh)	
1	2	3	4			5	6	7	
			0.00						
Total	for 2024-25	5	0.00						
			0.00						
Total	for 2025-20	5	0.00						
			0.00						
Total	for 2026-27	7	0.00						
			0			_			
Total	for 2027-28	3	0.00	 					
			0						
Total	for 2028-29)	0.00						



Part-III Form-8

Calculation of Return on Equity at Normal Rate

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose Conductor

(Amt. in Lakhs)

S.N o.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	4	5	6	7	8
1.1	Equity as on COD/Admitted equity#	14,289.45	14,289.45	14,289.45	14,289.45	14,289.45
1.2	Notional Equity for Add Cap after cut-off date	1	1	-	-	-
1.3	Notional Equity for Add Cap after completion of useful life	1	-	-	-	-
1.4	Total Equity	14,289.45	14,289.45	14,289.45	14,289.45	14,289.45
1.5	Return on Equity on project cost till Cutoff date	20.71%	20.71%	20.71%	20.71%	20.71%
1.6	Return on Equity on Add Cap	2,959.86	2,959.86	2,959.86	2,959.86	2,959.86

Note:- 1: * - To be calculated on average equity during the year.



Calculation of Weighted	Average Ra	to of Interest	t on Actual L	oans T&D		FORM-9C
		E OI Interest	Oli Actual L	uans 1 &D		
Name of the Petitioner	0					(Rs. Lakh)
Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Loan-4 REC Loan (For T&D)	\vdash					
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	78,995.85	78,995.85
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	-	
Add: Drawal(s) during the Year	<u> </u>	1	,			
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	57,930.29		
Net loan - Closing	68,463.07	63,196.68	57,930.29	-	_	
Average Net Loan	68,679.49	65,829.87	60,563.48	6,290.78	_	
Rate of Interest on Loan on annual basis	10.15%	10.15%		9.98%		
Rate of interest off Loan on annual basis	10.15.5	10.15,	10.10.0	7.7070		
Interest on loan	6,970.97	6,681.73	6,147.19	627.82	-	
Loan - 3 Punjab & Sind Bank Loan (For T&D)						
Gross loan - Opening	$\overline{}$	\vdash	 	_	52,663.90	52,663.90
1 0	$\overline{}$	\vdash	 	-	32,663.90	9,216.18
Cumulative repayments of Loans upto previous year	\vdash	\vdash	-	-	-	
Net loan - Opening	\vdash	\vdash	-	52 662 00	48,714.11	43,447.72
Add: Drawal(s) during the Year			 	52,663.90	5 366 30	5 266 20
Less: Repayment (s) of Loans during the year	\longrightarrow		 	3,949.79	5,266.39	5,266.39
Net loan - Closing	$\overline{}$	-	-	48,714.11	43,447.72	38,181.33
Average Net Loan pro-rated based on repayment date (see Note -5)		-	-	46,845.64	46,080.92	40,814.53
Rate of Interest on Loan on annual basis (refer Note below **)				7.80%	7.76%	8.72%
Interest on loan	_			3,653.96	3,577.99	3,559.01
Loan-4(i): Share of GoI Guaranteed DVC Bonds (Series - 14 - Rs. 4,400 Crore) (Drawn On 30.03.2012)						
Gross loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Cumulative repayments of Loans upto previous year		<u> </u>	<u> </u>	-	-	
Net loan - Opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Add: Drawal(s) during the Year		-	-		-	
Less: Repayment (s) of Loans during the year	<u> </u>		-		-	
Net loan - Closing	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Average Net Loan	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Rate of Interest on Loan on annual basis	10.30%	10.30%	10.80%	10.53%	10.44%	10.34%
Interest on loan	1,030.00	1,030.00	1,080.11	1,053.36	1,044.15	1,034.12
Total Loan						
Gross loan - Opening	88,995.85	88,995.85	88,995.85	88,995.85	141,659.75	141,659.75
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	82,945.64	88,212.03
Net loan - Opening	83,729.46	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72
Add: Drawal(s) during the Year		-	-	52,663.90	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	61,880.08	5,266.39	5,266.39
Net loan - Closing	78,463.07	73,196.68	67,930.29	58,714.11	53,447.72	48,181.33
Average Net Loan	78,679.49	75,829.87	70,563.48	63,136.42	56,080.92	50,814.53
Interest on loan	8,000.97	7,711.73	7,227.31	5,335.14	4,622.14	4,593.13
Weighted average Rate of Interest on Loans	10.17%	10.17%	10.24%	8.45%	8.24%	9.04%

Note:
1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

Calculation of Interest on Normative Loan

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose Conductor

Amount in Rs. Lakhs

Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
1		2	3	4	5	6
Gross Normative loan - Opening	33304.6	33342.05	33342.05	33342.05	33342.05	33342.05
Cumulative repayment of Normative Loan upto previous year #	15719.53	18409.67	21100.85	23792.03	26483.21	29174.39
Net Normative loan - Opening	17585.02	14932.37	12241.19	9550.01	6858.83	4167.66
Add: Increase due to addition during the year / period	37.49	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to repayment during the year / period	2690.14	2691.18	2691.18	2691.18	2691.18	2691.18
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharges during the year / period	0	0.00	0.00	0.00	0.00	0.00
Net Normative loan - Closing	14932.37	12241.19	9550.01	6858.83	4167.66	1476.48
Average Normative Loan	16258.70	13586.78	10895.60	8204.42	5513.25	2822.07
Weighted average Rate of Interest of actual Loans	9.04%	9.04%	9.04%	9.04%	9.04%	9.04%
Interest on Normative loan	1,469.79	1,228.11	984.86	741.60	498.34	255.09



PART-III FORM- 10

Calculation of Depreciation Rate On Original Peoject Cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose Conductor

Amount in Rs. Lakh

				I IIIIO GIII III I I I I I I I I I I I I
Sl. no.	Name of the Assets ¹	Gross Block as on 31.03.2019 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.24	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.24
	1	2	3	4= Col.2 X Col.3
1	Land			
2	Building			
3	and so on			
4				
	TOTAL			
	Weighted Average Rate of Depreciation (%) *		5.650%	

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

Note: * Rate of depreciation is considered as in FY2023-24



Statement of Depreciation

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose Conductor

(Amount in Rs. Lakhs)

						(Amount in K	S. Lakils)
Sl. No.	Particulars	Existing 2023-24 #	2024-25	2025-26	2026-27	2027-28	2028-29
(1)	(2)	(8)	9	10	11	12	13
1	Opening Capital Cost	47577.93	47631.49	47631.49	47631.49	47631.49	47631.49
2	Closing Capital Cost	47631.49	47631.49	47631.49	47631.49	47631.49	47631.49
3	Average Capital Cost	47604.71	47631.49	47631.49	47631.49	47631.49	47631.49
4	Freehold land	0.00	0.00	0.00	0.00	0.00	0.00
5	Rate of depreciation	5.65%	5.650%	5.650%	5.650%	5.650%	5.650%
6	Depreciable value	42844.24	42868.34	42868.34	42868.34	42868.34	42868.34
7	Balance useful life at the beginning of the period						
8	Remaining depreciable value	27124.71	24458.67	21767.49	19076.31	16385.13	13693.95
9	Depreciation (for the period)	2690.14	2691.18	2691.18	2691.18	2691.18	2691.18
			2 (21 12				
10	Depreciation (annualised)	2,690.14	2,691.18	2,691.18	2,691.18	2,691.18	2,691.18
11	Cumulative depreciation at the end of the period	18409.67	21100.85	23792.03	26483.21	29174.39	31865.57
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	124.86	0.00	0.00	0.00	0.00	0.00
13	Net Cumulative depreciation at the end of the period	18409.67	21100.85	23792.03	26483.21	29174.39	31865.57

^{1.} In case of details of FERV and AAD, give information for the applicable period.



PART-III FORM-11

Calculation of Interest on Working Capital

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS –

Ranchi (PG) --- Quad Moose Conductor

Amount in Rs. Lakh

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	9	10	11	12	13
		365	365	365	366	365
1	O & M Expenses	21.65	22.79	23.98	25.25	26.58
2	Maintenance Spares	38.97	41.02	43.17	45.46	47.84
3	Receivables	894.15	865.48	836.88	806.16	780.01
4	Total Working Capital	954.78	929.29	904.03	876.87	854.42
5	Rate of Interest	11.90%	11.90%	11.90%	11.90%	11.90%
6	Interest on Working Capital	113.62	110.59	107.58	104.35	101.68



			0	6	Part III Form 15			
			Summai	ry of issue involved in th	e petition			
1	Petitioner: DAM	IODAR VALLEY CORP	ORATION					
2	Subject		and Regulations 9 & 10 of carrying ISTS Power' [S/C	52(1)(b) & 79(1)(d) of the Electricity Act, 2003 and Regulation - 86 of CERC (Conduct of Business) Regulations, 1999 of CERC (Terms and Conditions of Tariff) Regulations, 2019 in respect of 'Non-ISTS 400 kV Transmission Lines (CLILO of 400 KV D/C Durgapur (PG) – Jamshedpur (PG) at DSTPS; S/C LILO of 400 KV D/C Maithon (PG) – (C 400 KV DSTPS – RTPS, D/C 400 KV RTPS – Ranchi (PG)] of Damodar Valley Corporation for the tariff period				
3	(a) Determine th 31.03.2024 consis (b) Consider the Regulation 54 ar (c) Allow DVC to to change in app without the need (d) The Tariff fo (Terms and Con provisions of Ce (e) In the circum beneficiaries by	the tariff for the four nos. of dering projected capital of capital and other costs a red 55, wherever applicable o recover shortfall or refu- plicable Minimum Alterna I to make any further apport Transmission of Electri ditions of Tariffy Regulato Intral Electricity Regulato Intral Electricity Regulato on the project of the project of the considering the tariff detection of the project of the project of the considering the tariff detection of the project of the proj	expenditure as furnished in s proposed by DVC in the e and further by applying ind the levies, filing fees, ta te/Corporate Income Tax olication before the Commi city (Annual Fixed Charge ions, 2014. These charges yr Commission (sharing of it will be just and proper ermined herein by this Hou	IN LINES ('NON-ISTS LINI the instant petition. petition as well as in the for- the provisions of Part IV of txes, duties, cess, charges, fer- rate as per Income Tax Act. sission as provided under clates as per para 14 (J) of petit shall be recovered on a mont f interstate Transmission Ch that the transmission tariff in ble Commission while dete	E' CARRYING 'ISTS POWER') DVC network for the period 01.04.2019 to mats attached to the petition by providing necessary relaxation in terms of the DVC Act, 1948; es etc., if any, excess Annual Fixed Charges, on account of Return on Equity due 1961 (as amended from time to time) of the respective financial year directly use 25 of the Tariff +Regulation 2014. ion, in accordance with Regulation 43 Central Electricity Regulatory Commission thy basis and the billing collection and disbursement shall be governed by the arges and Losses) Regulations, 2010. for the assets covered under this petition be allowed to be recovered from ermining the POC charges or as deemed fit by the Hon'ble Commission. the facts and circumstances of the case.			
4	Respondents							
	Name of Respon		icity Distribution Company I State Electricity Board)	Limited.	Block `DJ`Sector-11, Salt Lake City, Kolkata – 700 091.			
	b.	Jharkhand Bijli Vitran N Previously Jharkhand Sta						
	c.		ab State Power Corporation Limited, while Punjab State Electricity Board) Interstate Billing, Shed No. TI-A), Patialia-147		Interstate Billing, Shed No. TI-A), Patialia-147 001			
	d.	Kerala State Electricity B	oard Limited		8th Floor, Vidyuthi Bhawan, Thiruvananthapuram-695 004			
	d.	Haryana Power Purchase Representing Uttar Harya	Centre					
		Haryana Power Purchase Representing Uttar Harya	Centre nna Bijlee Vitaran Nigam yana Bijlee Vitaran Nigam		Thiruvananthapuram-695 004 Sector 6, Shakti Bhawan,			
5	e.	Haryana Power Purchase Representing Uttar Harya Limited and Dakshin Har	Centre nna Bijlee Vitaran Nigam yana Bijlee Vitaran Nigam	RPC/SCM approval (Date o Time overrun (brief detail of Capital Cost (Brief details of Sheet)	Thiruvananthapuram-695 004 Sector 6, Shakti Bhawan, Panchkula, Haryana-134109 K.R.Circle, Bangalore-560001 proval regulation (as per grid code): (Ref: Form-2) f meeting) reason) cost overrun reasons): Rs. 47981.82 Lakhs as on 01.04.2019 (Ref:Appendix-2 Input ef: Appendix-1 for O&M Computation.			
5	e. f. Project Scope	Haryana Power Purchase Representing Uttar Harya Limited and Dakshin Har	Centre nna Bijlee Vitaran Nigam yana Bijlee Vitaran Nigam	Scope of work details SCOD as per investment app Actual COD claimed under r RPC/SCM approval (Date o Time overrun (brief detail of Capital Cost (Brief details of Sheet) O&M expense (Claimed): Re	Thiruvananthapuram-695 004 Sector 6, Shakti Bhawan, Panchkula, Haryana-134109 K.R.Circle, Bangalore-560001 proval regulation (as per grid code): (Ref. Form-2) f meeting) reason) cost overrun reasons): Rs. 47981.82 Lakhs as on 01.04.2019 (Ref. Appendix-2 Input ef. Appendix-1 for O&M Computation.			
	e. f. Project Scope	Haryana Power Purchase Representing Uttar Harya Limited and Dakshin Har	Centre nna Bijlee Vitaran Nigam yana Bijlee Vitaran Nigam	Scope of work details SCOD as per investment app Actual COD claimed under r RPC/SCM approval (Date o Time overrun (brief detail of Capital Cost (Brief details of Sheet) O&M expense (Claimed): Re	Thiruvananthapuram-695 004 Sector 6, Shakti Bhawan, Panchkula, Haryana-134109 K.R.Circle, Bangalore-560001 proval regulation (as per grid code): (Ref. Form-2) f meeting) reason) cost overrun reasons): Rs. 47981.82 Lakhs as on 01.04.2019 (Ref.Appendix-2 Input of E. Appendix-1 for O&M Computation.			
	e. f. Project Scope Cost Commissioning	Haryana Power Purchase Representing Uttar Harya Limited and Dakshin Har Bengaluru Electricity Su	Centre una Bijlee Vitaran Nigam yana Bijlee Vitaran Nigam pply Company Limited AFC (2019-24)	Scope of work details SCOD as per investment app Actual COD claimed under r RPC/SCM approval (Date o Time overrun (brief detail of Capital Cost (Brief details of Sheet) O&M expense (Claimed): R Connectivity diagram or SLI	Thiruvananthapuram-695 004 Sector 6, Shakti Bhawan, Panchkula, Haryana-134109 K.R.Circle, Bangalore-560001 proval regulation (as per grid code): (Ref: Form-2) f meeting) Treason) Treason (Ref: Appendix-1 for O&M Computation.)			
Claim	c. f. Project Scope Cost Commissioning	Haryana Power Purchase Representing Uttar Harya Limited and Dakshin Har Bengaluru Electricity Sup	Centre ana Bijlee Vitaran Nigam yana Bijlee Vitaran Nigam pply Company Limited AFC (2019-24) 2026-27	Scope of work details SCOD as per investment app Actual COD claimed under r RPC/SCM approval (Date o Time overrun (brief detail of Capital Cost (Brief details of Sheet) O&M expense (Claimed): R Connectivity diagram or SLI	Thiruvananthapuram-695 004 Sector 6, Shakti Bhawan, Panchkula, Haryana-134109 K.R.Circle, Bangalore-560001 Proval regulation (as per grid code): (Ref: Form-2) f meeting) freason) Foost overrun reasons): Rs. 47981.82 Lakhs as on 01.04.2019 (Ref: Appendix-2 Input ef: Appendix-1 for O&M Computation.			
Claim PART-A	e. f. Project Scope Cost Commissioning 2024-25 7252.6	Haryana Power Purchase Representing Uttar Harya Limited and Dakshin Har Bengaluru Electricity Sur	Centre ana Bijlee Vitaran Nigam yana Bijlee Vitaran Nigam oply Company Limited AFC (2019-24) 2026-27 6788.0	Scope of work details SCOD as per investment app Actual COD claimed under r RPC/SCM approval (Date o Time overrun (brief detail of Capital Cost (Brief details of Sheet) O&M expense (Claimed): R Connectivity diagram or SLI	Thiruvananthapuram-695 004 Sector 6, Shakti Bhawan, Panchkula, Haryana-134109 K.R.Circle, Bangalore-560001 broval egulation (as per grid code): (Ref: Form-2) f meeting) reason) f cost overrun reasons): Rs. 47981.82 Lakhs as on 01.04.2019 (Ref:Appendix-2 Input ef: Appendix-1 for O&M Computation.			
Claim	c. f. Project Scope Cost Commissioning	Haryana Power Purchase Representing Uttar Harya Limited and Dakshin Har Bengaluru Electricity Sup	Centre ana Bijlee Vitaran Nigam yana Bijlee Vitaran Nigam pply Company Limited AFC (2019-24) 2026-27	Scope of work details SCOD as per investment app Actual COD claimed under r RPC/SCM approval (Date o Time overrun (brief detail of Capital Cost (Brief details of Sheet) O&M expense (Claimed): R Connectivity diagram or SLI	Thiruvananthapuram-695 004 Sector 6, Shakti Bhawan, Panchkula, Haryana-134109 K.R.Circle, Bangalore-560001 Proval regulation (as per grid code): (Ref: Form-2) f meeting) freason) Foost overrun reasons): Rs. 47981.82 Lakhs as on 01.04.2019 (Ref:Appendix-2 Inputef: Appendix-1 for O&M Computation.			



Normative O & M Expenses details for LILO - DSTPS Transmission Line Sub Station (Bays)

Name of the Petitioner: Damodar Valley Corporation

PART-III

Transmission Line

Total -Transmission O&M

GRAND TOTAL O&M

Sub Station

Name of the Region: Eastern Region Name of the Project: Transmission & Distribution System

Appendix-1

	ne Transmission Element or Communication System				ts in lakhs/bay)		
SI No.	Sub Station		765kV	400 KV	220 KV	132 KV and	Amount (R La
						below	
1	2024-25		41.34	29.53	20.67	15.78	1
2	2025-26		43.51	31.08	21.75	16.61	
3	2026-27		45.79	32.71	22.9	17.48	1
4	2027-28		48.2	34.43	24.1	18.4	1
5	2028-29		50.73	36.23	25.36	19.35	1
	•	•					
NUMI	BER OF SUB-STATION BAYS (at RTPS end for R EXISTING AS ON 31.03.2024 & CONSIDERED F		765kV	400 KV	220 KV	132 KV and below	
	EMSTING AS GIVENOS.2024 & CONSIDERED I			2			59.06
			024-25		1		
	Bays added during 2024-25	COD					-
	TOTAL 2024-25		0	0	0	0	0
	TOTAL 2024-23	EV 1	025-26	U		U	
	Existing on 31st March 2025		025-26	2	0	0	62
	Existing on 51st Watch 2025	COD	U	<u> </u>		0	62
	TOTAL 2025-26		0	2	0	0	(
	F-1-1		026-27				
	Existing on 31st March 2026	COD	0	0	0	0	(
	TOTAL 2026-27	EV 1	0	2	0	0	(
	Existing on 31st March 2027	COD	027-28	2	0	0	68
	TOTAL 2028-29	FY 2	028-29	2	0	0	7.
			INE		l	ı	1
	1		& M .ine				
			Rate (Rs in lakhs/km)				
				Rate (Rs in	n lakhs/km)		
	Line		S/C Single	Rate (Rs in	n lakhs/km) D/C Double	D/C Four	
	Line		S/C Single Conductor			D/C Four Conductor	
1	Line 2024-25			D/C Single	D/C Double		
1 2			Conductor	D/C Single Conductor	D/C Double Conductor	Conductor	-
	2024-25		Conductor 0.246	D/C Single Conductor 0.369	D/C Double Conductor 0.861	Conductor 1.291	-
2	2024-25 2025-26		0.246 0.259	D/C Single Conductor 0.369 0.388	D/C Double Conductor 0.861 0.906	1.291 1.359	-
3	2024-25 2025-26 2026-27		0.246 0.259 0.272	D/C Single Conductor 0.369 0.388 0.409	D/C Double Conductor 0.861 0.906 0.953	1.291 1.359 1.43	
2 3 4	2024-25 2025-26 2026-27 2027-28		0.246 0.259 0.272 0.287	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453	D/C Double Conductor 0.861 0.906 0.953 1.003	1.291 1.359 1.43 1.506	Amount
2 3 4 5	2024-25 2025-26 2026-27 2027-28		Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four	
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29		Conductor 0.246 0.259 0.272 0.287 0.302	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056	Conductor 1.291 1.359 1.43 1.506 1.585	
2 3 4	2024-25 2025-26 2026-27 2027-28 2028-29 Line		Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor Cond	- Amount
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29	FY2	Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four	L
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29 Line	FY2 COD	Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 0 0	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor Cond	20
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25	FY2 COD	Conductor 0.246 0.259 0.272 0.287 0.302	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 155.5 0	20
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025	FY2 COD	Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 025-26 0 0	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 0 0	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 155.5 0	20
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25	FY2 COD FY2 COD	Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 0 0 0 0 0 0 0	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 155.5 0	20
2 3 4 5	2024-25 2025-26 2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION	FY2 COD FY2 COD FY2	Conductor 0.246 0.259 0.272 0.287 0.302	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 0 0 0	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 155.5 0 155.5 0 155.5 0	20
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026	FY2 COD FY2 COD	Conductor 0.246 0.259 0.272 0.287 0.302	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 0 0 0 0	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0	20
2 3 4 5	2024-25 2025-26 2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION	FY 2 COD FY 2 COD FY 2 COD	Conductor	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 0 0 0	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 155.5 0 155.5 0 155.5 0	20
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026 TOTAL 2026-27 ADDITION	FY 2 COD FY 2 COD FY 2 COD	Conductor 0.246 0.259 0.272 0.287 0.302	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0	D/C Double Conductor 0.861 0.996 0.953 1.003 1.056 M D/C Double Conductor 0 0 0 0 0	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 155.5 0 155.5 0 155.5 0	20 21 22
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026	FY 2 COD FY 2 COD FY 2 COD	Conductor	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 0 0 0 0	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0	20 21 22 22 23
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026 TOTAL 2026-27 ADDITION	FY2 COD FY2 COD FY2 COD FY2 COD	Conductor 0.246 0.259 0.272 0.287 0.302	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0	D/C Double Conductor 0.861 0.996 0.953 1.003 1.056 M D/C Double Conductor 0 0 0 0 0	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 155.5 0 155.5 0 155.5 0	20 21 22
2 3 4 5	2024-25 2025-26 2026-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026 TOTAL 2026-27 ADDITION Existing on 31st March 2027 TOTAL 2027-28 ADDITION	FY2 COD FY2 COD FY2 COD FY2 COD FY2 FY2 FY2 FY2	Conductor 0.246 0.259 0.272 0.287 0.302 S/C Single Conductor 024-25 0 0 025-26 0 0 026-27 0 027-28 0 0 028-29	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0 0 0 0	D/C Double Conductor 0.861 0.906 0.953 1.003 1.056 M D/C Double Conductor 0 0 0 0 0 0 0	Conductor 1.291 1.359 1.43 1.506 1.585 1.506 1.585 1.506 1.585 1.506 1.585 1.506 1.585 1.506	20 21 22 23
2 3 4 5	2024-25 2025-26 2025-27 2027-28 2028-29 Line Existing on 31st March 2024 TOTAL 2024-25 Existing on 31st March 2025 TOTAL 2025-26 ADDITION Existing on 31st March 2026 TOTAL 2026-27 ADDITION Existing on 31st March 2027	FY2 COD FY2 COD FY2 COD FY2 COD	Conductor 0.246 0.259 0.272 0.287 0.302	D/C Single Conductor 0.369 0.388 0.409 0.43 0.453 K D/C Single Conductor 0 0 0 0	D/C Double Conductor 0.861 0.996 0.953 1.003 1.056 M D/C Double Conductor 0 0 0 0 0	Conductor 1.291 1.359 1.43 1.506 1.585 D/C Four Conductor 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0 155.5 0	20 21 22



O & M (Rs. In Lakhs) for New Elements Added during 2024-29

2025-26

211.32

62.16

273.48

273.48

2026-27

222.37

65.42

287.79

287.79

2027-28

234.18

68.86

303.04

303.04

2028-29

246.47

72.46

318.93

318.93

2024-25

200.75

59.06

259.81

259.81

PART-III Appen-2

Statement of capital cost

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication System: Double Circuit 400 KV RTPS – Ranchi (PG) --- Quad Moose

Conductor

PARTICULARS	Capital cost as on		P	ROJECTE	D	
	31.3.2024	2024-25	2025-26	2026-27	2027-28	2028-29
CAPITAL COST	47631.49					
ADDITIONAL CAPITALIZATION		0.00	0.00	0.00	0.00	0.00
DECAPITALISATION						
CUMULATIVE CAPITAL COST	47631.49	47631.49	47631.49	47631.49	47631.49	47631.49
AVERAGE		47631.49	47631.49	47631.49	47631.49	47631.49
EQUITY ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.00
EQUITY REDUCTION DUE TO						
DECAPITALISATION						
CUMULATIVE EQUITY	14289.45	14289.45	14289.45	14289.45	14289.45	14289.45
AVERAGE		14289.45	14289.45	14289.45	14289.45	14289.45
NORMATIVE LOAN ADDED DURING THE YEAR		0.00	0.00	0.00	0.00	0.00
LOAN REDUCTION DUE TO DECAPITALISATION						
CUMULATIVE LOAN	33342.05	33342.05	33342.05	33342.05	33342.05	33342.05
AVERAGE		33342.05	33342.05	33342.05	33342.05	33342.05
DEPRECIATION						
CAPITAL COST OPENING	47631.49	47631.49	47631.49	47631.49	47631.49	47631.49
CAPITAL COST CLOSING		47631.49	47631.49	47631.49	47631.49	47631.49
AVERAGE CAPITAL COST		47631.49	47631.49	47631.49	47631.49	47631.49
RATE OF DEPRECIATION		5.650%	5.650%	5.650%	5.650%	5.650%
FREEHOLD LAND						
90% DEPRECIABLE VALUE EXCLUDING LAND & LAND RIGHTS		42868.34	42868.34	42868.34	42868.34	42868.34
CUMULATIVE DEPRECIATION AS ON 1ST APRIL		18409.67	21100.85	23792.03	26483.21	29174.39
ADJUSTMENT OF CUM, DEPR. DUE TO		10407.07	21100.03	20172.00	20102.21	2)1/4.0)
UNDISCHARGED LIABILITY UP TP PREV. YEAR		0.00	0.00	0.00	0.00	0.00
ADJUSTED CUM. DEPR. AS ON 1ST APRIL		18409.67	21100.85	23792.03	26483.21	29174.39
BALANCE DEPRECIABLE VALUE		24458.67	21767.49	19076.31	16385.13	13693.95
DEPRECIATION TO BE RECOVERED		2691.18	2691.18	2691.18	2691.18	2691.18
CUMULATIVE DEPRECIATION		21100.85	23792.03	26483.21	29174.39	31865.57
CUMULATIVE DEPRECIATION ADJUSTMENT ON		0.00	0.00	0.00	0.00	0.00
ACCOUNT OF DISCHARGE OF LIABILITIES						
ADJUSTMENT OF DECAPITALISATION		0.00	0.00	0.00	0.00	0.00
NET CUMULATIVE DEPRECIATION AT THE END OF THE PERIOD	18409.67	21100.85	23792.03	26483.21	29174.39	31865.57



Calculation of Savings due to Loan Re-financing

Name of the Petitioner: Damodar Valley Corporation

Name of the Region: Eastern Region

Name of the Project: Transmission & Distribution System

Name of the Transmission Element or Communication	, , , , , , , , , , , , , , , , , , , 	cuit 400 KV RTP	S – Ranchi (PG) -	Quad Moose C	onductor (Am	ount in Rs. Lakh)
Particulars	Existing 2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1 REC Loan (For T&D)						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Rate of Interest on Loan on annual basis	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Total Loan						
Gross loan - Opening	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85	78,995.85
Cumulative repayments of Loans upto previous year	5,266.39	10,532.78	15,799.17	21,065.56	26,331.95	31,598.34
Net loan - Opening	73,729.46	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51
Add: Drawal(s) during the Year	-	-	-	-	-	-
Less: Repayment (s) of Loans during the year	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39	5,266.39
Net loan - Closing	68,463.07	63,196.68	57,930.29	52,663.90	47,397.51	42,131.12
Average Net Loan	68,679.49	65,829.87	60,563.48	55,297.09	50,030.70	44,764.31
Interest on loan	7,616.56	7,300.53	6,716.49	6,132.45	5,548.40	4,964.36
Weighted average Rate of Interest on Loans	11.09%	11.09%	11.09%	11.09%	11.09%	11.09%

Computation	of net s	avings or	interest	due to	loan re-t	financing.

Computation of net savings on interest due to loan re-imancing:								
Particulars	2024-25	2025-26	2026-27	2027-28	2028-29			
Average Normative loan (refer Form-9E)	13,586.78	10,895.60	8,204.42	5,513.25	2,822.07			
Weighted Average Rate of Interest on Loans - without loan re- financing	11.09%	11.09%	11.09%	11.09%	11.09%			
Interest on normative loan - without loan re-financing (A)	1,506.77	1,208.32	909.87	611.42	312.97			
Actual Weighted Average Rate of Interest on Loans - with loan re- financing (refer Form-9E)	9.04%	9.04%	9.04%	9.04%	9.04%			
Interest on normative loan - with loan re-financing (refer Form-9E)	1,228.11	984.86	741.60	498.34	255.09			
Net savings on interest due to loan re-financing (C = A - B)	278.66	223.47	168.27	113.08	57.88			
DVC's share in the net savings on interest due to loan refinancing as per Reg. 61(1) of CERC Tariff Regulations 2019 (D = C/2)	139.33	111.73	84.14	56.54	28.94			

Note:

 In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

