



Power Foundation of India

(An autonomous Society under the Ministry of Power, Govt of India)

No. PFI/Prog/DERC TBCB/2024/12

Dated: 24th September 2024

To,

The Secretary

Delhi Electricity Regulatory Commission
Viniyamak Bhawan, C-Block, Shivalik,
Malviya Nagar, New Delhi-110017

Subject: Comments on Draft *DERC (Threshold Limit for the Development of Intra-State Transmission Projects under the Tariff Based Competitive Bidding) Regulations, 2024*

Ref: DERC Public Notice dated 29th August, 2024

Dear Sir,

With reference to your above-mentioned Public Notice, Power Foundation of India (PFI), a think-tank & policy advocacy working as a society under the aegis of Ministry of Power (GoI), led by Director General Shri Sanjiv Nandan Sahai (Former Secretary in MoP (GoI)), has analysed *Draft DERC (Threshold Limit for the Development of Intra-State Transmission Projects under the Tariff Based Competitive Bidding) Regulations, 2024*.

- 2) It is observed that DERC has not provided an Explanatory Memorandum (EM) for the draft Regulations whereas other ERCs issue an EM along with their draft Tariff Based Competitive Bidding (TBCB) Regulations which ensures that scientific study, research, due diligence have been undertaken for arriving out the Threshold Limit for TBCB in inter / intra-State Transmission projects.
- 3) Further, the licence issued to DTL by DERC, which is under force, mandates DTL not only to carry out the functions of Transmission but also to procure the Power required for Bulk Supply which are against the provisions of the Section 39 of the Electricity Act 2003.

Accordingly, our comments on the said draft Regulations are enclosed herewith for your consideration as Annexure-I which have also been emailed to secyderc@nic.in.

Warm Regards,

encl: Annexure – I

Copy to: The Chairperson, DERC

Yours Sincerely,


(Himanshu Chawla) 24/9/24
Sr. Specialist (Reg.), PFI

POWER FOUNDATION OF INDIA

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Comments/Suggestions from Power Foundation of India (PFI) on the *Draft DERC (Threshold Limit for the Development of Intra-State Transmission Projects under the Tariff Based Competitive Bidding) Regulations, 2024*

- 1) PFI is a Policy Research and Advocacy entity, a registered society under the aegis of the Ministry of Power, Government of India, and supported by twelve leading Central Power Sector Organisations, to undertake evidence-based policy research and facilitate informed decision making by the Regulators, Ministry and stakeholders concerned with the Power Sector. It is led by Director General Shri Sanjiv Nandan Sahai (Former Secretary in Ministry of Power, Government of India).
- 2) Delhi Electricity Regulatory Commission (DERC) vide Public Notice dated 29/08/2024 has sought comments / suggestions from various stakeholders on its *Draft (Threshold Limit for the Development of Intra-State Transmission Projects under the Tariff Based Competitive Bidding) Regulations, 2024*. PFI has analysed the said draft Regulations and our comments / suggestions on the said draft Regulations are as follows:

A. No Explanatory Memorandum

- 3) The said draft Regulations have been issued without an Explanatory Memorandum (EM). It is pertinent to state that CERC and various SERCs issue an Explanatory Memorandum along with their draft Regulations which ensures that scientific study, research, due diligence have been undertaken for arriving out the numbers and principles enunciated in such draft Regulations. Lack of an Explanatory Memorandum prohibits stakeholders to submit their comments/suggestions on merits.
- 4) **The list of Explanatory Memorandum issued by various SERCs on their draft Regulations for TBCB in intra-State Transmission projects are tabulated as follows:**

SERCs	Draft Regulations on TBCB	Link of EM for draft TBCB Reg.
Andra Pradesh ERC	Draft APERC (Threshold Limit InSTS Projects under the TBCB) Regulation, 2023	Link
Maharashtra ERC	Draft MERC (Multi Year Tariff) (First Amendment) Regulations, 2022	Link
Punjab ERC	Draft PSERC MYT Regulations, 2022	Link
Chhattisgarh ERC	Draft CSERC (Terms and Conditions for determination of Multi-Year Tariff) Regulations, 2024	Link

SERCs	Draft Regulations on TBCB	Link of EM for draft TBCB Reg.
Gujarat ERC	Draft GREC (MYT Regulations), 2023	Link

- 5) The issuance of an EM is a critical regulatory practice as it enables stakeholders to understand the underlying rationale, cost trends, and guiding principles that form the basis for the proposed regulations. It ensures transparency and demonstrates that the decisions in the draft regulations are backed by thorough scientific research, cost analysis, and due diligence.
- 6) While a consultation paper on TBCB was released in the year 2021 by DERC⁶, a considerable time gap of over three years has passed since its publication. There have been no updates on the cost of the projects commissioned during this period. **Furthermore, while comments from stakeholders were invited on the consultation paper issued in 2021, such comments have not been made publicly available by DERC thus preventing any meaningful analysis of stakeholder input especially GoNCTD which is a major stakeholder in DTL and affected party of TBCB.**
- 7) It is noted from last few years' Tariff Petitions of DTL that only 1 project/scheme under intra State Transmission projects have been envisaged with a value exceeding Rs. 150 Cr. For instance, during FY 2021-22, out of 35 schemes, none exceeded Rs. 150 Cr. Similarly, in FY 2022-23, only 1 out of 12 schemes was above this threshold, and for FY 2023-24 and FY 2024-25, no projects exceeded Rs. 150 Cr. The scheme wise Capital Expenditure of DTL of various Financial Years are annexed as *Appendix-I* and summarised as follows:

DTL Projects/Schemes Envisaged		
Financial Year	Total No. of schemes	No. of Schemes >Rs 150 Cr
FY 2021-22	35	0
FY 2022-23	12	1
FY 2023-24	25	0
FY 2024-25	18	0
Total	90	1

(Source- Tariff Orders/ Petitions on DERC website)

- 8) Section 61 of the Electricity Act, 2003 requires the SERCs to be guided by the factors which encourage **competition, efficiency, economical** use of the resources, good performance

⁶ <https://www.derc.gov.in/sites/default/files/TBCB%20-%20DERC%20Consultation%20Paper.pdf>

and optimum investments and also safeguarding the consumer's interest. CAPEX has a significant impact on the revenue requirement and tariff determination process for regulated entities. Various ARR parameters like Return on Equity, Interest on Loan, Depreciation and even O&M expenses (in case of DERC) is linked to CAPEX. Thus, CAPEX is one of the major parameters in the Electricity Tariff of Delhi consumers after Power Purchase Cost which must be approved effectively through Regulations (like MERC & BERC which have separate Regulations for CAPEX approval) for Section 62 Projects or effectively adopted / decided under Section 63 through suitable threshold limit.

- 9) It is noted from MoP letter dtd. 15/03/2021⁷ that Tariff discovered under TBCB for various Transmission Projects was 30%-40% lower than that of determined through cost plus.
- 10) This highlights the significance of setting a strong basis for Proper Threshold Limit of intra-state transmission projects under the Tariff Based Competitive Bidding (TBCB) route. As mentioned, setting a Threshold limit of Rs. 150 Cr. may not cover a substantial number of critical projects under DTL's development pipeline. The absence of clarity on the rationale behind this threshold limit further underscores the need for an updated Explanatory Memorandum and detailed analysis of project cost trends, which would ensure that the new regulations align with the current scope and scale of projects being undertaken by utilities like DTL.
- 11) **Therefore, for benefit of stakeholder and transparency, it is desired that DERC to issue a comprehensive Explanatory Memorandum that includes scheme wise information on Transmission project costs executed by DTL over the last five to seven years, analysis of stakeholders comments on the Consultative Paper and rationale for determining the Threshold Limit of Rs. 150 Crore under TBCB in Delhi.**

B. Anomaly in Licence of Delhi Transco Limited (DTL)

- 12) DERC through its above-mentioned draft Regulations intends to introduce Tariff Based Competitive Bidding (TBCB) mechanism in intra-State Transmission system for projects exceeding Rs. 150 Cr. Currently, all intra-State Transmission Projects are executed by DTL which has been accorded the status of State Transmission Utility (STU) for the State of Delhi for all purposes.

⁷ [Letter to States for TBCB.pdf \(powermin.gov.in\)](https://powermin.gov.in/Letter_to_States_for_TBCB.pdf)

- 13) Thus, DTL has to discharge the functions of STU in accordance with the Section 39 of the Act 2003¹¹ for transmitting power by establishing and operating efficient and reliable transmission network in the Capital of India. The Central Government notified the National Electricity Policy vide resolution no. 23/40/2004-R&R (Vol-II) dated 12/02/2005¹² in accordance with Section 3 of the Act 2003. The Guideline 5.3.10 and 5.8.9 of the National Electricity Policy, 2005 encourages private investment and their partnership in Transmission sector. Later, the Central Government notified the revised Tariff Policy vide ref no. 23/2/2005-R&R (Vol-IX) dated 28/01/2016¹³. Guideline 5.3 of the Tariff Policy states that development of Intra-State Transmission System shall be executed through competitive bidding route provided for the projects costing above a Threshold Limit, which shall be decided by the State Commission.
- 14) In a way, through said draft Regulations, DERC is moving away from cost plus mechanism u/s 62 of the Act 2003 to competitive mechanism stipulated u/s 63 which is a welcome step.
- 15) However, it is noted from clause 5.1.5 of the licence¹⁴ issued to DTL by DERC (available on DERC website) that DTL *“shall purchase the energy required for the bulk supply in an economical manner and under a transparent power purchase or procurement process, and in accordance with the regulations, guidelines, or directions made by the Commission from time to time”*. **Thus, the licence issued to DTL by DERC under Delhi Electricity Reforms Act, 2000 (“DERA 2000”) mandates not only to carry out the functions of Transmission Licensee but also to procure the power required for Bulk Supply.** The function of DTL to procure power for bulk supply is also noted from the initial Tariff Orders of DERC issued under the GoNCTD Policy Directions 2001.
- 16) DERC through the Multi-Year Tariff (MYT) Regulations 2007¹⁵ issued under provisions of the Electricity Act 2003 mandates power purchase to a distribution licensee and not to STU. The same provision has been continuing till date through subsequent Tariff Regulations. **However, the licence of DTL has not been amended to this extent. So, the functions of**

¹¹ [Electricity Act 2003](#)

¹² [National Electricity Policy 2005](#)

¹³ [Tariff Policy-Resolution 2016](#)

¹⁴ https://www.derc.gov.in/sites/default/files/DTL_License.pdf

¹⁵ [Microsoft Word - DERC Transmission Tariff Regulation Final may 2007.doc](#)

DTL assigned in the licence are contrary to the functions mandated for STU under Section 39 of the Act 2003.

- 17) **Now, DERC is trying to implement a framework of TBCB, encouraging private participation, mandated under National Electricity Policy / Tariff Policy issued under Electricity Act 2003 for a GoNCTD utility (DTL) whose licence, issued by DERC and in force, is not as per the Section 39 of the Electricity Act 2003.**
- 18) It is noted that STUs of various States like that of Maharashtra (MSETCL), Uttar Pradesh (UPPTCL), Madhya Pradesh (MPPTCL) have functions strictly as stipulated under Act 2003 i.e., only Transmission unlike DTL whose licence in force also stipulates procurement of Bulk Supply of Power which is neither as per the provisions of the Act 2003 nor as per current operational practice.
- 19) **In view of above, it is suggested that DERC may also amend the licence of DTL as per the provisions of the Electricity Act 2003 and introduce TBCB mechanism accordingly.**

Details of Capital works envisaged for 2021-22 in respect of Planning Deptt.

S.No.	Particulars	Freehold Land	Lease hold Land	Building & Other Civil works	Transmissi on line	Sub-Station equipments	PLCC	Cost Estimate (In Crores)												
								TOTAL	Notional Loan	Notional Equity	TOTAL	Debt-Equity Ratio	Debt	Equity	TOTAL	Cumulative amount	Cumulative Repay	Initial Spares		
1	220/33 kV GIS at Dev Nagar (CENTRAL DELHI) (excluding Tr.)					73.00		73.00												1.95
2	220/33 kV GIS at Rajghat (Central Delhi) Conversion existing 220/33kV AIS to GIS(excluding tr.)					81.23		81.23												1.92
3	Installation of new 07 nos. 220/33/11 kV, 100 MVA ICT at Devnagar & Rajghat					55.97		55.97												0.15
4	220kV S/C LILO of Electric Lane to Park Street at Dev Nagar				75.68			75.68												0.71
5	220kV D/C underground cable from Dwarka to PPK-II				83.39			83.39												0.70
6	220kV D/C underground cable from Tughlakabad to Masjid Moth				109.18			109.18												0.70
7	Installation of new 220/66 kV, 160 MVA ICT at PPK-I (as a hot reserve)					10.83		10.83												0.35
8	Installation of new 220/66 kV, 160 MVA ICT at Mundka (as a hot reserve)					10.61		10.61												
9	Installation of new 01 no. 220/33 kV, 100 MVA with 220 and 33 kV GIS bays at ATMS					19.79		19.79												
10	100 MVA ICT to 160 MVA ICT (2 nos) capacity augmentation at Mehrauli					21.16		21.16												0.64
11	100 MVA ICT to 160 MVA ICT (2 nos) capacity augmentation at Patparganj and 100 MVA as hot Reserve					31.16		31.16												
12	100 MVA ICT to 160 MVA ICT (2 nos) capacity augmentation at Parkstreet					21.93		21.93												0.64
13	100 MVA ICT to 160 MVA ICT capacity augmentation at Narela					10.32		10.32												

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General Manager (C & RA)
 DELHI TRANSCO LIMITED
 (Govt. of NCT of Delhi Undertaking)
 33KV Grid S/Str. Building
 I.P. Estate, New Delhi-110002

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S.No.	Particulars	Freehold Land	Lease hold Land	Building & Other Civil works	Transmission line	Sub-Station equipments	PLCC	TOTAL	Notional Loan	Notional Equity	TOTAL	Debt-Equity Ratio	Debt	Equity	TOTAL	Cumulative amount	Cumulative Repay	Initial Spares
14	HTLS conducting (with polymer insulator) on the old portion of the 220kV Bamnauli-NJF-KJH-MUNDAKA-BAWANA LINE & HTLS conducting of 220kV D/C Bawana-DSIIDC Bawana & HTLS conducting of 220kV D/C Bawana-DSIIDC Bawana				82.05			82.05										0.17
15	33KV GIS conversion at Okhla					24.99		24.99										0.45
16	33KV AIS to GIS conversion at IP and installation of 220kV & 33kV C&R panel					42.42		42.42										1.30
17	220/33kV GIS at Timarpur					61.79		61.79										2.05
18	220 kV D/C U/G from Kashmere Gate-Timarpur				66.86			66.86										0.55
19	66kV AIS to GIS conversion at Gopalpur					35.20		35.20										0.91
20	315 MVA replacement at Bawana with 500 MVA Tr.					24.69		24.69										0.32
21	500 MVA addition along with bay addition at 400kV Bamnauli(Hot Reserve)					32.41		32.41										
22	5 nos 220kV GIS bays at Kashmiri gate				21.93			21.93										
23	Establishment of 500 MVA Tr. Bay and 25 MVAR bay at Bamnauli, 125 & 25 MVAR bay at Tikri kalan, 25 MVAR reactor bay at IP.				24.80			24.80										
24	Installation of new 50 MVAR at Electric lane, 125 & 25 MVAR at Tikri kalan, 25 MVAR at Bamnauli, 25 MVAR reactor at IP.				50.51			50.51										
25	50 MVAR Reactor at Peeragarhi & Harsh Vihar				23.52			23.52										0.59
26	HTLS conducting of Gopalpur-Subzi Mandi with LILO at Timarpur				19.40			19.40										

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S.No.	Particulars	Freehold Land	Lease hold Land	Building & Other Civil works	Transmissi on line	Sub-Station equipments	PLCC	TOTAL	Notional Loan	Notional Equity	TOTAL	Debt-Equity Ratio	Debt	Equity	TOTAL	Cumulative amount	Cumulative Repay	purchase d from a
27	Land Cost				25.00			25.00										
28	Road Restoration Charges				8.60			8.60										
	Spill Over Project																	
29	500 MVA installation at 400kV Tikri Kalan S/Stn.					24.70		24.70										0.32
30	Additional 220/33kV 100MVA Pr. Tr. With 220 & 33kV bays at Shalimar Bagh					11.58		11.58										0.19
31	220kV D/C1000sq.mm U/G XLPE cable for LILO from Ridge Valley to AIIMS at R.K.Puram				72.79			72.79										0.58
32	Estab.of 220kV Multi ckt T/L from Kashmere Gate to Rajghat S/Stn.				9.00			9.00										
33	Augmentation of 20 MVA transformer to 31.5 MVA at PPK-I,Najafgarh,Sarita vihar & Okhla					31.77		31.77										1.07
34	HTLS condutoring of 220kV D/C IP-PPG and Geeta Colony-PPG				19.31			19.31										
35	Other Capital works proposed by O&M Deptt.				23.918			23.918										
	Total							1341.49										

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FY 2021-22 (T)
 FY 2020-21 (T)

DETAILS OF CAPITAL WORKS ENVISAGED FOR FY 2022-23 IN RESPECT OF PLANNING DEPARTMENT

Cost Estimate (In Crores)

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S. No.	Particulars	Freehold Land	Leasehold Land	Building & Other Civil works	Transmission line	Sub-Station equipments	PLCC	TOTAL	Notional Loan	Notional Equity	TOTAL	Debt-Equity Ratio	Debt	Equity	TOTAL	Cumulative amount of Depreciation	Cumulative Repayment of Loan	Initial Spares
1	Scheme for replacment of outlived 11kV switchgear with new 11kV switchgear along with equipments/accessories at 220kV S/stn Lodhi Road on turnkey basis.					4.22		4.22										
2	66kV CVT at PPK-III					1.52		1.52										
3	Design, Engineering, Manufacturing, Supply, E T C of 220/33 kV GIS at Dev Nagar, Delhi					72.69		72.69										1.95
4	Supply & ETC of 07 Nos. 100 MVA, 220 /33/11 kV Power Transformers at different locations of Delhi against Tender No.T19P070201.					55.97		55.97										0.15
5	Turnkey package of Design, Engineering, Supply, Laying, Jointing, Testing & Commissioning of 220kV D/C 1x1200 sq.mm U/G XLPE Cable from 400kV Tughlakabad to 220kV RKPuram S/Stn. (Route Length 13.5 KM) {Excluding RoW charges of Rs. 6.56 crores}					190.58		190.58										1.37
6	Extension/diversion of 220kV D/C O/H IP-Rajghat (old) to upcomming220/33kV GIS Rajghat S/stn. (new location)					5.79		5.79										
7	5 No. 220KV GIS bay addition at Kashmiri Gate.					21.93		21.93										

Signature

Signature

AKASHOK KUMAR
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S. No.	Particulars	Freehold Land	Leasehold Land	Building & Other Civil works	Transmission line	Sub-Station equipments	PLCC	TOTAL	Notional Loan	Notional Equity	TOTAL	Debt-Equity Ratio	Debt	Equity	TOTAL	Cumulative amount of Depreciation	Cumulative Repayment of Loan	Initial Spares	
8	Design, Engineering, Manufacturing, Supply, E T C of 220/33 kV GIS at Rajghat, Delhi					80.89		80.89										1.92	
9	Land Cost (License fee is being charged in O&M expenses)				0.00			0.00											
10	Road Restoration Charges (For cable scheme mentioned at Sr. No. 5 and 12)				12.80			12.80											
11	Other Capital works proposed by O&M Deptt.				25.07			25.07											
SPILL OVER PROJECT																			
12	Turnkey package of Design, Engineering, Supply, Laying, Jointing, Testing & Commissioning of 220kV D/C 1x1200 sq.mm U/G XLPE Cable from Lilo point of Electric lane -Park Street S/C cable to newly proposed 220Kv GIS S/stn. at Dev Nagar (Karol Bagh) (Route Length 5.5 KM) {Excluding RoW charges of Rs. 6.24 crores}				75.68			75.68										0.71	
13	220/33kV GIS at Timarpur					61.79		61.79										2.05	
14	50 MVAR Reactor at Peeragarhi & Harsh Vihar				23.52			23.52										0.34	
	TOTAL							632.45											



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Details of Capital Works Envisaged for FY 2023-24

Cost Estimate (In Rs. Crores)

S.No.	Particulars	Freehold Land	Leasehold Land	Building & Other Civil works	Transmission line	Sub-Station equipments	TOTAL	Notional Loan	Notional Equity	Total	Debt-Equity Ratio	Debt	Equity	Total	Cumulative amount of Depreciation	Cumulative Repayment of Loan	Initial Spares
1	03 nos. 100MVA Transformer at Timar Pur					35	35										0.457
2	HTLS conducting of 220kV D/C Sabji Mandi-Gopal Pur with S/C LILO at 220kV Timar Pur					16.99	16.99										0.468
3	Augmentation of 1 no. 33/11kV 16 to 25 MVA & 1 no. 33/11kV 20 to 25 MVA transformer including 11 kV switchgear at Patparganj					10.46	10.46										0.51
4	Scheme for Design, Engineering, Supply, Laying, Jointing, Testing and Commissioning of 220kV D/C 1x1200 sq.mm. U/G XLPE Cable from 220kV IP Rajghat on turnkey Basis				32.38		32.38										0.63
5	Scheme for Supply, Erection, Testing & Commissioning of 02 no. each of 100 MVA Transformer, 160 MVA Transformer & 500 MVA Power Transformer alongwith associated civil work at various 400 kV & 220kV Sub-Stations of DTL on turnkey basis.					134.98	134.98										0.66
O&M WORKS																	
1	Procurement of 400 kV Current Trf. of ratio 2000-1000/1/1/1/1/1 Amp at 400 kV sub station under O&M-I					0.81	0.81										

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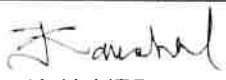


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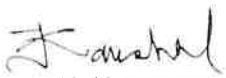
S.No.	Particulars	Free old Land	Lease hold Land	Building & Other Civil works	Transmis sion line	Sub-Station equipments	TOTAL	Notional Loan	Notional Equity	Total	Debt- Equity Ratio	Debt	Equity	Total	Cumula tive amount of Deprici ation	Cumul ative Repay ment of Loan	Initial Spares
2	Procurment of 400kV 3150 A ,40kA O/D. SF-6 CBs for replacement of outlived CBs at 400 kV Bawana S/Stn.					4.28	4.28										
3	Procurment of 315 MVA Power Trf. and replace the same with 315 MVA CGL make ICT-II(Bawana)					16.05	16.05										
4	Procurment of 220V, 180 AH Battery Bank for 220 KV Kanjhawala					0.12	0.12										
<u>SPILL OVER PROJECTS</u>																	
1	Design Engg, manufacturing supply erection testing & commisioning of 220kV GIS with complete civil works &automation at Dev Nagar (one 220kV bay pending)					6.42	6.42										
2	Supply erection testingcommisioning of 33kV equipments alongwith 11/0.433, 400KVA distribution transformer and 11kV equipments with associated civil work for loading of tertiary winding at 220kV Geeta colony					0.55	0.55										
3	Supply and ETC of 2 nos. 66kV bays alongwith associated equipments and Civil work including switchyard extension and development in 66kV yard at 220/66kV Vasant Kunj					1.76	1.76										




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S.No.	Particulars	Freehold Land	Leasehold Land	Building & Other Civil works	Transmission line	Sub-Station equipments	TOTAL	Notional Loan	Notional Equity	Total	Debt-Equity Ratio	Debt	Equity	Total	Cumulative amount of Depreciation	Cumulative Repayment of Loan	Initial Spares
4	Design Engg Manufacturing supply erection testing & commissining of 33kV GIS with complete civil work & automation including dismantling of conventional 33kV switchyard at 220/33kV Okhla					16.99	16.99										
5	5 Nos. 220kV GIS bays addition at Kashmiri Gate					21.93	21.93										
6	Design Engg. Manufacturing supply ETC of 220/33kV GIS at Rajghat					80.89	80.89										
7	220/33kV GIS Timarpur					61.79	61.79										
8	50MVAR reactor at Peeragarhi & Harsh Vihar (Peera Garhi Pending)					7.84	7.84										
9	220kV D/C U/G cable from Kashmiri Gate-Timarpur				66.86		66.86										
10	Single Circuit U/G cable (Lodhi Road-Park street-Electric lane-Loadhi Road)				120.00		120.00										
11	Supply & ETC of 07 nos, 100MVA 220/33kV Power Transformer at Different locations of Delhi against Tender No. T19P070201 (Balance 03 Tx.)					20.15	20.15										




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S.No.	Particulars	Free old Land	Lease hold Land	Building & Other Civil works	Transmis sion line	Sub-Station equipments	TOTAL	Notional Loan	Notional Equity	Total	Debt- Equity Ratio	Debt	Equity	Total	Cumula tive amount of Deprici ation	Cumul ative Repay ment of Loan	Initial Spares
	CIVIL WORKS																
1	Remodling/ Renovation of Substation Flat at East of Kailash DTL for modification in Guest House						0.82										
2	SITC against replacement of existing replacement of existing two Nos. elevators installed at Shakti Sadan Building of DTL including the items of buy back and dismantaling						0.39										
3	Providing internal wiring, light fixture and other allied works at Newly constructed office building at first floor of 220 IV sub station Geeta Colony						0.28										
4	Water proofing , internal finishing and other miscellaneous civil work for RPH O&M building at 220kV sub station Rajghat						0.15										
5	Special repair and renovation work for IP Station maintenance block at 220 kV sub Station Indraprastha						0.3										
	Total						658.19										




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DETAILS OF CAPITAL WORKS ENVISAGED FOR FY 2024-25 BY DELHI TRANSCO LIMITED

Cost Estimate (In Crores)

S. No.	Particulars	Freehold Land	Lease hold Land	Building & Other Civil works	Transmission Line	Sub-Station Equipments	PLCC	TOTAL (including Initial Spares)	Notional Loan	Notional Equity	TOTAL	Debt-Equity Ratio	Debt	Equity	TOTAL	Cumulative Amount of Depreciation	Cumulative Repayment of Loan	Initial Spares		
1	01 No. 100 MVA Transformer at Timar Pur					90.07		90.07										0.91		
2	02 Nos. 100 MVA Transformer at Dev Nagar																			
3	02 Nos. 100 MVA Transformer at Rajghat																			
4	Installation of new 220/33 kV, 100 MVA ICT at Shalimar Bagh																			
5	Installation of new 220/66 kV, 160 MVA ICT at PPK-III					68.8		68.8										1.27		
6	100 MVA ICT to 160 MVA ICT capacity augmentation at Narela																			
7	100 MVA ICT to 160 MVA ICT capacity augmentation at Shalimar Bagh																			
8	100 MVA ICT to 160 MVA ICT capacity augmentation at Mehrauli																			
9	220kV D/C underground cable from IP to New Rajghat GIS				32.38			32.38										0.58		
10	315 MVA replacement with 500 MVA at Bawana					39.58		39.58										0.33		

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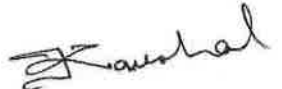
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Ashok Kumar
 M. (T) Planning

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DELHI TRANSCO LIMITED
 (A GOVT. OF NCT OF DELHI UNDERTAKING)

S. No.	Particulars	Freehold Land	Lease hold Land	Building & Other Civil works	Transmission Line	Sub-Station Equipments	PLCC	TOTAL (including Initial Spares)	Notional Loan	Notional Equity	TOTAL	Debt-Equity Ratio	Debt	Equity	TOTAL	Cumulative Amount of Depreciation	Cumulative Repayment of Loan	Initial Spares		
11	HTLS conducting (with polymer insulator) on the old portion of the 220 kV Bamnauli-NJF-KJH-Tikri Kalan-Bawana -DSIIDC Bawana				140.75			140.75										4.31		
12	HTLS conducting of 220kV D/C Sabji Mandi-Gopal Pur with S/C LILO at 220 kV Timar Pur																			
13	HTLS conducting of 220 kV D/C Geeta Colony-Patparganj-IP-Pragati																			
14	66 kV GIS bay extension at Harsh Vihar					17.48		17.48										1.33		
15	Revival of Control & Relay Panels at 220 kV Substation Mehrauli					15.31		15.31										0.39		
16	Other O&M Capital Works					16.10		16.10												
SPILL OVER PROJECTS																				
17	Design, Engg., Manufacturing, Supply and ETC of 220/33 kV GIS at Rajghat					65.23		65.23												
18	Supply & ETC of 07 Nos. 100 MVA 220/33 kV Power Transformer at Different locations of Delhi against Tender No. T19P070201 (Balance 01 No. Transformers. (at Rajghat))					6.72		6.72												
TOTAL								492.42												




Ashok Kumar
 G.M. (T) Planning


 (PETITIONER)
K. K. VERMA
 General Manager (C&RA)
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 (A Govt. of NCT of Delhi Undertaking)
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