



**THE UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION
LUCKNOW**

Petition No. 2350/2026

QUORUM

Hon'ble Shri Arvind Kumar, Chairman

Hon'ble Shri Sanjay Kumar Singh, Member

IN THE MATTER OF

Approval for implementation of 06 nos. Transmission scheme of which 02 nos. in Deposit, 02 nos. in RTM and 02 nos. in TBCB considered in TWC of 1st Quarter in FY 2025-26 with an estimated cost of Rs. 567.21 Crore of which Rs. 74.87 Crore in RTM mode in terms of Regulation 27.3 of Uttar Pradesh Electricity Regulatory Commission (Multi-Year Tariff for Transmission) Regulations, 2025.

AND

IN THE MATTER OF

Uttar Pradesh Power Transmission Corporation Limited

Having its registered office at: Shakti Bhawan, 5th Floor, Shakti Bhawan,
14- Ashok Marg, Lucknow, Uttar Pradesh-226001

..... **Petitioner**

THE FOLLOWING WAS PRESENT

1. Sh. Divyanshu Bhatt, Advocate, UPPTCL
2. Sh. Abhayaditya Singh, Advocate, UPPTCL
3. Sh. Shashwat Singh, Advocate, UPPTCL
4. Sh. Rajesh Kumar, Director (P&C), UPPTCL
5. Sh. S.K.Paswan, CE (P&C), UPPTCL
6. Sh. Satyendra Kumar, SE (TP & PSS), UPPTCL
7. Sh. Saurabh Yadav, AE (P&C), UPPTCL

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ORDER

(DATE OF HEARING: 04.06.2026)

1. The instant Petition has been filed by UPPTCL seeking approval for the implementation of six (06) transmission schemes above 20 Crore comprising two schemes under the Deposit mode, two under the RTM, and two under the TBCB mode, which were considered in the Transmission Works Committee (TWC) meeting held during the first quarter of FY 2025-26. The total estimated cost of these schemes is Rs. 567.21 Crore, out of which Rs. 74.87 Crore pertains to the RTM mode, in accordance with Regulation 27.3 of the UPERC (Multi-Year Tariff for Distribution and Transmission) Regulations, 2025 and its amendments. The prayers of the Petitioner are as follows:
 - (a) Approve the Capital Investment of Rs 74.87 Cr. in RTM mode, as part of investment plan for FY 2025-26 (for projects above Rs. 20 Cr.), considered by Transmission Work Committee meetings held in 1st Quarter in FY 2025-26.
 - (b) Allow the Petitioner to add/change/alter/modify this application at a future date.
 - (c) Issue any other relief, order or direction which the Hon'ble Commission may deem fit

Brief Submissions of the Petitioner

2. Regulation 27.3 of the MYT Regulations, 2025 and its amendment thereof provides that the Transmission Licensee is required to undertake approval of all transmission schemes/projects with a capital expenditure of Rs. 20 Cr. and above. The Transmission Licensee is required to submit all such schemes qualifying the criteria through a separate petition on a quarterly basis for the prior approval of the Commission.
3. The Petitioner has submitted its Capital Expenditure for Q1 of FY 2025-26, wherein a total capital investment of Rs. 546.69 Crore has been proposed for FY 2025-26. During the hearing, the Petitioner further submitted that an additional amount of Rs. 46.19 crore towards ROW compensation for Scheme

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No. 2 (Construction of 400/220 kV, 3×500 MVA GIS Substation at Sector-28, YEIDA, G. B. Nagar) has been approved by the Appraisal Committee and ETF in their meetings held on 13.04.2026 and 27.04.2026, respectively. The summary of the proposed capital expenditure of Rs. 592.88 Crore is shown in the Table below:

S. No.	Capex	Proposed/ Considered Expenditure in 1 st Qtr. of FY 2025-26 (In Rs. Cr.)
1	New Projects & Augmentation/ System Strengthening	193.85
2	Deposit	151.80
3	TBCB	201.04
		46.19*
Total		592.88

*Additional cost towards ROW Compensation, approved by the Appraisal Committee and ETF vide meetings dated 13.04.2026 and 27.04.2026.

4. The Petitioner has submitted that during FY 2025-26 from 01.04.2025 to 30.06.2025, one meeting of TWC had been conducted wherein the transmission works, as per requirement of the Intra-State transmission network, had been approved, as shown in the Table below:

TWC	Approved Works	Amount (In Rs. Cr.)
1 st TWC dated 03.05.2025	New works	0.00
	System strengthening & Augmentation	193.85
	Deposit works	151.80
	TBCB Works	201.04
		46.19*
Total		592.88

*Additional cost towards ROW Compensation, approved by the Appraisal Committee and ETF vide meetings dated 13.04.2026 and 27.04.2026.

5. The Petitioner has provided the details of the projects approved above Rs. 20 Crore, in RTM mode, as shown in the Table below:

S. No.	Name of Element	Cost (In Rs. Cr.)	Approvals		
			TWC	Board of Directors	Appraisal Committee
1	Augmentation at 400kV Sultanpur from 3x315 MVA to 3x315+1x500 MVA.	43.27	1 st TWC Dt.03.05.2025	Minutes Dt. 17.06.2025	Minutes Dt. 09.10.2025
2	Construction of 132kV Sahajanpur-Faridpur Line at 132kV Tilhar-4.79Km and associated works	20.30	1 st TWC Dt.03.05.2025	Minutes Dt. 17.06.2025	Minutes Dt. 09.10.2025
*	132kV Chunnar(220)-Chunnar DC Line-8.2KM and associated	11.30	1 st TWC Dt.03.05.2025	Minutes Dt. 17.06.2025	Minutes Dt. 09.10.2025

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S. No.	Name of Element	Cost (In Rs. Cr.)	Approvals		
			TWC	Board of Directors	Appraisal Committee
	bays *(part of Scheme: 220kV Chunnar S/s under TBCB)				
Total (RTM)			74.87 Cr.		

6. The Petitioner has provided the details of the schemes (for projects above Rs. 20 Cr.) approved in the TWC, under TBCB mode as shown in the Table below:

S. No.	Name of Element	Cost (In Rs. Cr.)	Approvals			
			TWC (with Date)	Board of Directors	Appraisal Committee	ETF
1	Amendment in Mode of Implementation of part of construction of 220/132/33 kV 2x160+2x40 MVA Chunnar (AIS), Associated Line & Bays	124.23	1 st TWC Dt. 03.05.2025	Minutes Dt. 17.06.2025	Minutes Dt. 13.04.2026	Minutes Dt. 27.04.2026
2	Amendment in construction of 400/220 kV, 3x500 MVA GIS substation Sector-28 YEIDA (G. B. Nagar)	201.04 46.19*	1 st TWC Dt. 03.05.2025	Minutes Dt. 17.06.2025	Minutes Dt. 13.04.2026	Minutes Dt. 27.04.2026
Total (TBCB)			371.46 Cr.			

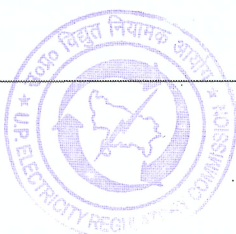
*Additional cost towards ROW Compensation, approved by the Appraisal Committee and ETF vide meetings dated 13.04.2026 and 27.04.2026.

7. The details of schemes (for projects above Rs. 20 Cr.) approved in these TWCs under deposit head are shown in the Table below:

S. No.	Name of Element	Cost (In Rs. Cr.)	Approvals	
			TWC	Board of Directors
1	Construction of 132/33 kV 2x40 MVA IIT Kanpur substation, associated lines and bay	58.38	1 st TWC Dt.03.05.2025	Minutes Dt. 17.06.2025
2	Construction of 3-phase DC line for Railway's proposed 132/25 kV Renukoot TSS and 132/25 kV Obra TSS.	62.50	1 st TWC Dt.03.05.2025	Minutes Dt. 17.06.2025
Total (Deposit)			120.88 Cr.	

8. The Commission scrutinized the Petition and observed various data gaps, which were sent to the Petitioner vide letter dated 24.03.2026. The Petitioner vide its submission dated 06.04.2026 submitted its response to the said queries. The

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details of the queries raised, and the corresponding responses are summarised below:

Scheme 1: Augmentation at 400 kV Sultanpur from 3x315+1x240 MVA to 3x315+1x500 MVA.

Query No.1: With respect to above Scheme, the Petitioner has submitted that the existing connected load at the substation is about 2,320 MVA and, on this basis, the substation is stated to be non-compliant with the (N-1) contingency criterion. In this regard, it is observed that planning for augmentation or installation of additional transformation capacity is not based on connected load; rather, it is primarily guided by the maximum load actually handled by the installed transformers, so as to assess overloading conditions and compliance with the (N-1) criterion. Accordingly, the Petitioner is hereby directed to furnish the details of the maximum total load catered by the existing transformers of capacity 3×315 MVA and 1×240 MVA at the substation.

Response submitted by Petitioner: The Petitioner has submitted that, although the total connected load at the substation is around 2,320 MVA, the effective transformation capacity has presently reduced to 3×315 MVA (945 MVA). This reduction has arisen due to the outage of one 240 MVA transformer of Hitachi make (manufactured in 1979), which was taken out of service on 15.03.2025 following detection of excessive acetylene formation and unfavourable furan analysis indicating accelerated deterioration of insulation paper. The decommissioning of the said transformer was carried out in accordance with the recommendations dated 28.02.2025 of the Director's Committee, UPPTCL.

The Petitioner has further submitted that the maximum load handled at the substation during September 2025 was approximately 756 MW. Under the existing configuration, in the event of an outage of one 315 MVA transformer, the available capacity would reduce to 630 MVA, which is insufficient to meet the prevailing load demand. Consequently, the substation does not satisfy the (N-1) contingency criterion, thereby posing a significant risk of overloading and potential supply constraints.

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Query No.2: With respect to above Scheme, the Petitioner was directed to clarify the statement that two existing 220 kV feeders, presently emanating from the 400 kV side, are proposed to be shifted to the twin Moose 220 kV bus.

Response submitted by Petitioner: The Petitioner has submitted that shifting of 220 kV feeders is not envisaged under the present scope of work. The present work is limited to removal of two obsolete tertiary grounding reactors and the strengthening of the existing LV jack bus, which connects the LV bushings of the transformer to the 220 kV main and transfer buses. The strengthening is proposed to be carried out by upgrading the conductor configuration from single moose to twin moose, in line with standard practice for transformers of 315 MVA rating and above, so as to ensure adequate current carrying capacity and improved system reliability.

Query No. 3: With respect to the above scheme, the Petitioner was directed to furnish details regarding the requirement of strengthening the 220 kV busbar. In this regard, it is observed that, consequent to the installation of a 500 MVA transformer, no justification has been provided as to whether the existing 220 kV busbar arrangement is adequate. Accordingly, the Petitioner is directed to clarify whether strengthening of the 220 kV busbar is required, or whether the existing conductor configuration is sufficient to cater to the anticipated increase in load.

Response submitted by Petitioner: The Petitioner has submitted that the 220 kV switchyard at Sultanpur substation is configured with a double main and one transfer bus arrangement, with each bus comprising a twin moose conductor configuration. Both main buses are currently operated in parallel with distributed loading, facilitating optimal load sharing and enhancing system reliability.

In view of this arrangement, the existing twin moose 220 kV busbars are considered adequate to accommodate the increased load, including that arising from the proposed installation of a 500 MVA transformer, under both normal and contingency conditions. Accordingly, no further strengthening of the 220 kV busbar is envisaged at present. The Petitioner has further stated that the

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existing configuration is capable of effectively handling the anticipated load flow while maintaining system reliability and operational flexibility.

Scheme 2: Construction of 132 kV Shahjahanpur- Faridpur line at 132 kV Tilhar (4.79 km) and associated works.

Query No. 4: With respect to the above schemes, the Commission observes that the Petitioner has stated that the 132 kV substation at Tilhar is connected through 220 kV Shahjahanpur-Tilhar line (21.55 km) and the 220 kV Dataganj-Tilhar line (80 km). This appears to be a typographical inconsistency, as a 132 kV substation cannot be directly fed from 220 kV lines.

In this regard, it is presumed that the intended description may be 132 kV Shahjahanpur (220)-Tilhar line (21.55 km) and 132 kV Dataganj (220)-Tilhar line (80 km). Accordingly, the Petitioner is directed to furnish necessary clarification.

Response submitted by Petitioner: The Petitioner has submitted that the intended description is indeed 132 kV Shahjahanpur (220)- Tilhar line (21.55 km) and 132 kV Dataganj (220)- Tilhar line (80 km). The Petitioner has further submitted that such errors will be duly avoided in future submissions.

Query No. 5: The Petitioner has proposed to convert the existing single busbar system at the 132 kV Tilhar substation to a double busbar system. However, such conversion would require additional space, a bus coupler, and possibly new tower construction. Accordingly the Commission apprehends that the intention may instead be to replace the single conductor with a twin conductor bus. Accordingly the Petitioner is directed to provide clarification in this regards.

Response submitted by Petitioner: The Petitioner has submitted that the proposal pertains to strengthening of the existing 132 kV Shahjahanpur busbar by upgrading the conductor configuration from single moose to twin moose. Such strengthening does not require additional space, as the existing infrastructure will be reutilized for the purpose.

9. Subsequently, the Commission heard the matter on 04.06.2026. During the hearing, Sh. Divyanshu Bhatt, Counsel for the Petitioner, submitted that an

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affidavit had been filed in compliance with the directions of the Commission issued in the hearing dated 19.05.2026, tendering an unconditional apology and explaining the circumstances that led to the delay in filing the present petition. He further submitted that, in terms of Regulation 27.3 of the UPERC (MYT for Transmission) Regulations, 2025 and its amendments thereof, the Petitioner is required to obtain prior approval of the Commission on a quarterly basis for all capital expenditure schemes exceeding Rs. 20 Crore. Accordingly, in compliance with the said Regulations, UPPTCL has filed the instant petition seeking approval of two schemes amounting to Rs. 74.87 Crore under RTM, two schemes amounting to Rs. 325.27 Crore under TBCB mode, and two schemes amounting to Rs. 120.88 Crore under Deposit mode, all of which involve capital expenditure exceeding Rs. 20 Crore subsequent to finalisation in the TWC.

During the course of the hearing, the Commission sought clarification regarding the basis adopted by the Petitioner for categorizing schemes on a quarter-wise basis, specifically whether such categorization is undertaken after obtaining approval from the TWC or after approval by the Competent Authority. In response, Sh. Satyendra Kumar, SE (TP & PSS), UPPTCL, and Sh. Saurabh Yadav, AE (P&C), UPPTCL, submitted that the schemes are categorized under the specific quarter based on the quarter in which approval date of TWC lies.

10. The Commission, after hearing the submissions of the Petitioner and examining the material available on record, proceeds to set out its scheme-wise observations as detailed below: -

Schemes to be implemented under RTM:

Scheme 1: Augmentation at 400 kV Sultanpur from 3x315 MVA to 3x315+1x500 MVA

Petitioner submission

- (a) Presently, the 400 kV Sultanpur Substation with configuration (3×315 + 1×240) MVA evacuates power from Obra Thermal Power Plant and NTPC Tanda Power Plant, and supplies power to Sultanpur district and adjoining areas, including Ayodhya, Ambedkar Nagar, Pratapgarh, Amethi, and

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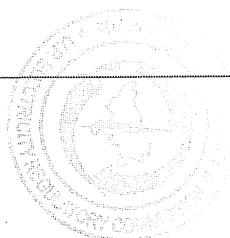
nearby regions.

- (b) Out of the installed transformers, the 1×240 MVA unit has completed approximately 45 years of service and has exhibited excessive internal gas (acetylene) generation, indicating severe insulation deterioration and a high risk of failure due to possible electrical arcing. Accordingly, the transformer has been taken out of service w.e.f. 15.03.2025.
- (c) Consequent to the outage of the 240 MVA transformer, the available transformation capacity has been reduced to 3×315 MVA against an existing connected load of about 2,320 MVA. Under this condition, the substation is not meeting the (N-1) contingency criterion, and in the event of outage of any transformer, the loading on the remaining units is likely to exceed 76% of their rated capacity, thereby impacting system reliability and operational security.
- (d) In order to restore compliance with the (N-1) criterion and to meet the present as well as future load demand, it is proposed to replace the withdrawn 240 MVA transformer with a new 400/220 kV, 500 MVA transformer at the 400 kV Substation, Sultanpur.
- (e) With the proposed augmentation, the transformation capacity of the substation will be enhanced from (3×315) MVA to (3×315 + 1×500) MVA, thereby improving system reliability, operational flexibility, and quality of power supply in the region.
- (f) Further, with the commissioning of the new transformer, two 220 kV feeders presently connected from the 400 kV side are proposed to be shifted to the Twin Moose 220 kV bus. Additionally, the existing obsolete 33 kV, 2×25 MVA TCR system and associated equipment installed at the substation will be dismantled as part of the proposed works.

S. No	Name of scheme	MVA	Cost (In Rs. Cr.)
1	Augmentation of 400/220 kV Sultanpur from 3x315 to 3x315+1x500 MVA	3x315 to 3x315+1x500 MVA	43.27
Total Cost			43.27

Commission's view

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- (a) The Commission notes that the Petitioner has obtained the necessary approvals of TWC, Board of Directors and Appraisal Committee.
- (b) Augmentation at 400 kV Sultanpur from 3x315 MVA to 3x315+1x500 MVA, will enhance the operational flexibility, system reliability and transformation capacity and will make it (N-1) compliant system.
- (c) In this regard, Regulation 7.2 of UPERC (Modalities of Tariff Determination) Regulations, 2023, read along with UPERC (MYT for Transmission) Regulation, 2025 (as amended) provides that augmentation and strengthening works that are part of STU transmission plan is to be carried out by the respective developer under RTM. The relevant extract of the same is reproduced as below:

"7.2 Implementation of augmentation/ strengthening works (excluding O&M works) at the intra-State transmission substation and/or line, being part of the STU Transmission Plan, shall be carried out by the respective developer in accordance with the provisions under Section 62 of the Act read with UPERC (Multi Year Tariff for Distribution and Transmission) Regulations 2019, as amended from time to time, for which the STU shall obtain prior approval of the Commission on case-to-case basis."

As per above, the Scheme is considered for implementation under RTM mode.

- (d) The Commission further notes that this scheme is part of the Rolling Transmission Plan, approved by the Commission vide order dated 28.10.2025 for the Period from FY 2025-26 to FY 2029-30.
- (e) The transformer taken out of service shall be decommissioned and value of the same shall be appropriately considered in the balance sheet.
- (f) Further, the Commission undertook the prudence check of the IRR calculation and observes that the IRR of the scheme is 38.60%, which is higher than 9.15%, being the last approved rate of interest on loan as per the Tariff Order dated 15.04.2026 for FY 2026-27. Accordingly, the scheme having an estimated cost of Rs. 43.27 Crore is approved under the RTM framework.





Scheme 2: Construction of 132kV Sahajanpur- Faridpur Line at 132kV Tilhar-4.79Km and associated works.

Petitioner submission

- (a) Presently, the 132 kV Tilhar Substation (2×40 MVA) is connected through the 132 kV Shahjahanpur (220)–Tilhar line (21.55 km) and the 132 kV Dataganj (220)–Tilhar line (80 km).
- (b) Due to the relatively longer length of the 132 kV Dataganj–Tilhar line, voltage regulation at the substation remains poor. Accordingly, the substation is predominantly operated through a single source, i.e., the 220 kV Shahjahanpur source.
- (c) In order to improve the quality, reliability, and stability of power supply in the industrial and rural areas of Tilhar, it is proposed to construct a 132 kV Shahjahanpur–Faridpur LILO line at the 132 kV Tilhar substation (4.79 km). Further, the scheme includes provision of two Open GIS bays, installation of a 10 MVAR (2×5 MVAR) capacitor bank, and strengthening of the existing busbar system at the 132 kV Shahjahanpur substation.

Sr. No.	Voltage level	Type of Work	Name of work	MVA / Km	Cost (In Rs. Cr.)
1	132 kV	Line	LILO of 132 kV Shahjahanpur-Faridpur line at 132 kV Tilhar	2×4.79 km	5.52
2	132 kV	Bay	132 kV Open GIS Bay at 132 kV Tilhar	02 Nos	13.90
3	132 kV	Capacitor Bank	2×5 MVAR Capacitor bank at 132kV Tilhar	2×5 MVAR	0.83
4	132 kV	Bus Bar	Conversion of single moose bus bar twin moose bus bar at 132 kV Shahjahanpur	-	0.05
Total Cost					65.71

Commission's view

- (a) The Commission notes that the Petitioner has obtained all requisite approvals for the proposed construction of the 132 kV Shahjahanpur–Faridpur LILO line at the 132 kV Tilhar substation along with the associated works, including approvals from the TWC, Board of Directors, and the Appraisal Committee.

Signature



Signature



- (b) The Commission observes that the 132 kV Tilhar Substation (2×40 MVA) is presently connected through the 132 kV Shahjahanpur (220)–Tilhar line and the 132 kV Dataganj (220)–Tilhar line. Owing to the relatively longer length of the Dataganj–Tilhar line, voltage regulation at the substation remains poor, resulting in operation of the substation predominantly through a single source, i.e., the Shahjahanpur end.
- (c) The Commission notes that the proposed construction of the 132 kV Shahjahanpur–Faridpur LILO line at Tilhar, along with associated augmentation works, is aimed at improving the quality, reliability, and stability of power supply in the industrial as well as rural areas of Tilhar.
- (d) The Commission further notes that this scheme is part of the Rolling Transmission Plan, approved by the Commission vide order dated 28.10.2025 for the Period from FY 2025-26 to FY 2029-30.
- (e) Further, Regulation 7.1 of UPERC (Modalities of Tariff Determination) Regulations, 2023 provides as follows:

"7.1 Tariff for all other intra-State transmission projects not covered under Regulation 6.1, being part of the STU Transmission Plan, shall be determined in accordance with RTM framework under Section 62 of the Act."

From the above, it is observed that intra-State transmission projects which are not covered under Regulation 6.1 shall be covered under Regulation 7.1 and will be governed under RTM framework. Accordingly, this project being of 132 kV voltage level is not covered under Regulation 6.1 and hence shall be considered under RTM

- (f) Based on the Petitioner's cost estimates, load justification, and system requirement, the Commission finds that the proposed construction of the 132 kV line along with associated works is necessary for strengthening the network, improving voltage profile, and enhancing system reliability in the area.
- (g) Further, the Commission observes that the IRR of the scheme is 17.58 %, which is higher than 9.15%, being the last approved rate of interest on

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loan as per the Tariff Order dated 15.04.2026 for FY 2026-27. Accordingly, the scheme, having an estimated cost of Rs. 20.30 Crore is approved under the RTM framework.

Schemes to be implemented under TBCB Mode:

Scheme 1: Amendment in Mode of Implementation of part of construction of 220/132/33kV 2x160+2x40 MVA Chunnar (AIS) and associated line & bays.

Petitioner submission

- (a) The Petitioner submitted that the scheme for construction of the 220/132/33 kV, 2x160+2x40 MVA Chunar (AIS) substation along with associated lines and bays was earlier submitted for investment approval for the 3rd Quarter of FY 2023-24 under Petition No. 2073/2024.
- (b) The Petitioner further submitted that the Commission, vide its Order dated 22.05.2024, for the instant schemes has observed as following:-

Quote

"8. Regarding the above scheme under TBCB mode, the Commission observes that item no. 4 & 5 (construction of 132 kV Bays) are being executed within the existing premises of UPPTCL, and item no. 3 (construction of 132 kV DC line) is being executed for the system strengthening of existing primary transmission system. During the course of execution of item no. 3 above existing 09 no's 132 kV single circuit transmission towers of 132 kV Chunar Kazrahat line will be dismantled, which are in the books of UPPTCL. In this regard, the Commission observes that the scheme should be in line with UPERC (Modalities of Tariff Determination) Regulations, 2023 wherein Regulation 7.2 provides that implementation of augmentation/strengthening works at the intra-State transmission substation and/or line shall be developed under RTM mode.

9. During the course of hearing, the Petitioner requested the Commission to allow them to withdraw the petition as the works mentioned at item no. 3, 4 & 5 of the proposed scheme may be developed under RTM mode in accordance with Regulation 7.2 of UPERC (Modalities of Tariff Determination) Regulations, 2023. The necessary approvals will be obtained before filing the revised petition before the Commission.





10. The Commission allows the Petitioner to withdraw the instant petition with liberty to file a fresh revised petition. Accordingly, the petition is disposed of."

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Accordingly, the petitioner had withdrew the petition.

(c) In compliance with the aforesaid directions of the Commission and in line with Regulation 7.2 of the UPERC (Modalities of Tariff Determination) Regulations, 2023, the mode of implementation of the Scheme was revised in the 1st TWC meeting of FY 2025-26 dated 03.05.2025. Accordingly, the following components, being in the nature of system strengthening works within the existing UPPTCL infrastructure, have been proposed to be shifted from TBCB mode to RTM mode:

- 132 kV Chunar (220)- Chunar DC line on DC tower- 8.20 KM
- LILO of one circuit of 132kV Chunar(220)-Chunar DC line at 132kV Kazrahat -0.2 KM
- Dismantling of 09 Nos. of Old SC towers of 132kV Chunar- Kazrahat line (*total 14 towers out of which 09 are SC and 05 are DC tower*)
- 132 kV 'Bay' 132 kV S/s at Chunar- 1 no.
- 132 kV 'Bay' 132 kV S/s at Kazrahat- 1 no.

(d) Accordingly, the construction of the 220/132/33 kV, 2×160+2×40 MVA AIS Chunar substation along with associated 220 kV line components may be approved under the TBCB mode, while the 132 kV system strengthening works and associated bays within UPPTCL premises may be approved for implementation under the RTM framework.

S. No.	Voltage level	Type of Work	Name of work	MVA / CKm	Cost (In Rs. Cr.)
1	220 kV	New Substation in TBCB	220/132/33 kV Chunar 2x160+2x40 MVA AIS Substation	2x160 +2x40	101.34
2	220 kV	Line in TBCB	LILO of 220 kV Obra (400)-Sahupuri at 220 kV Chunar S/s on DC tower- 18 km.	2x18 Ckm	22.89



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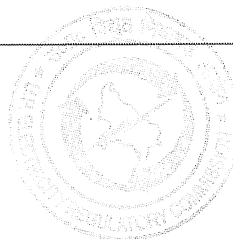


S. No.	Voltage level	Type of Work	Name of work	MVA / CKm	Cost (In Rs. Cr.)
3	132 kV	System strengthening Line in RTM	132 kV Chunar (220)- Chunar DC line on DC tower- 8.20 km (Including LILO of one circuit of 132kV Chunar(220)-Chunar DC line at 132kV Kazrahat -0.2 KM and Dismantling of 09 Nos. of Old SC towers of 132kV Chunar- Kazrahat line (total 14 towers out of which 09 are SC and 05 are DC tower)) (RTM Mode)	2x8.20 Ckm	8.17
4	132 kV	Bay in RTM	132 kV 'Bay' 132 kV S/s at Chunar- 1 no. (RTM Mode)	1 Nos.	0.94
5	132 kV	Bay in RTM	132 kV 'Bay' 132 kV S/s at Kazrahat- 1 no. & other related works (RTM Mode)	1 Nos.	2.19
Total Cost					135.53

Commission's view

- (a) The Commission notes that the Petitioner has obtained the necessary approvals of TWC, Board of Directors, Appraisal Committee and ETF.
- (b) The Commission observes that the proposed scheme, including the construction of the 220/132/33 kV Chunar substation and associated transmission elements, is aimed at strengthening the transmission network and is expected to improve system reliability, quality of power supply, and voltage profile in the concerned region, while also providing necessary redundancy in the system.
- (c) The Commission notes that the scheme was earlier submitted under TBCB mode; however, certain components, namely the 132 kV system strengthening lines and bays within the existing UPPTCL network, are in the nature of augmentation/strengthening works. In this regard Regulation 6.1 of UPERC (Modalities of Tariff Determination) Regulations 2023 provides that all new greenfield intra-State transmission projects of 220 kV and above voltage level, being part of the STU Transmission Plan, need to be implemented through TBCB.
- (d) Further, as per Regulation 7.2 of UPERC (Modalities of Tariff Determination) Regulations 2023, implementation of

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augmentation/strengthening works at the intra-State transmission substation, being part of the STU Transmission Plan, shall be carried out by the respective developer under Section 62, for which the STU shall obtain prior approval of the Commission on case-to-case basis.

- (e) In view of above, 220 kV Chunar AIS Substation and associated lines (S. No. 1 & 2 of the Table) having estimated cost of Rs. 124.23 Crore is approved under TBCB mode. Whereas, 132 kV system strengthening works, including lines and bays within existing UPPTCL premises (Sl. No. 3, 4 & 5 of the table) (also mentioned under RTM) having estimated cost of Rs. 11.39 Crore is approved under RTM mode, which is required to be implemented by UPPTCL.

Scheme 2: Amendment in construction of 400/220 kV, 3x500 MVA GIS substation Sector-28 YEIDA (Gautam Buddha Nagar).

Petitioner submission

- (a) The Petitioner submitted that the scheme for construction of the 400/220 kV, 3x500 MVA GIS substation at Sector-28, YEIDA (Gautam Buddha Nagar), was approved by the Commission vide its Order dated 30.08.2023 under the TBCB mode, at an estimated cost of Rs. 428.30 Crore, subject to approval of the CEA. The Commission had further directed that, in case of any revision or deviation in the scheme or cost based on CEA's observations, the Petitioner shall approach the Commission afresh for prior approval.
- (b) CEA, vide its letter dated 29.08.2023, deliberated the creation of a 400/220 kV, 3x500 MVA substation at YEIDA Sector-28 along with provision of a 125 MVAR bus reactor and a 400 kV double-circuit transmission line from Aligarh (PG) to YEIDA Sector-28 to meet the anticipated load demand in the YEIDA area.
- (c) It is submitted that the revised proposal was subsequently examined by the CEA, CTUIL, and Grid-India. Based on their assessment, it was observed that the initial load at YEIDA Sector-28 is expected to be in the

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range of 200–300 MW at the time of commissioning (FY 2025–26), with a gradual increase up to approximately 600 MW in the following years.

- (d) Considering the phased growth in load demand, it was decided that augmentation of the 3rd 765/400 kV, 1500 MVA ICT at Aligarh (PG) may be deferred and taken up at a later stage depending upon the actual load growth at YEIDA Sector-28. Accordingly, the revised transmission scheme for YEIDA Sector-28 was agreed upon.
- (e) The revised scheme configuration includes revision in substation cost, deletion of the earlier proposed LILO of the 400 kV Muradnagar–Mathura line, and addition of a new 400 kV Aligarh (PG)–YEIDA Sector-28 double-circuit transmission line along with associated GIS bays at Aligarh. The revised total project cost has been estimated at Rs. 629.34 Crore as against the earlier approved cost of Rs. 428.30 Crore, resulting in an additional requirement of Rs. 201.04 Crore.
- (f) During the hearing, the Petitioner further submitted that an additional amount of Rs. 46.19 crore towards ROW compensation has been approved by the Appraisal Committee and ETF in their meetings held on 13.04.2026 and 27.04.2026, respectively.

S. No.	Voltage level	Type of Work	Name of work	MVA / Km	Cost Approved in 14/10 TWC Dt. 21.12.2022 (In Rs. Cr.)	Revised Cost (In Rs. Cr.)
1	400kV	New Substation revised cost	400/220kV 3x500MVA GIS S/s Sec-28 YIEDA Gautam Budhnagar inc.125MVAR Bus Reactor	3x500	362.6	398.57
2	400kV	Deleted	LILO of 400kV Muradnagar (400)-Math, Mathura SC line (Twin Moose Conductor) at 400kV GIS Sec-28 YIEDA Gautam Budhnagar	2x22	65.70	-
3	400kV	Line	Construction of 400kV Aligarh PG (765)-YEIDA Sec-28 DC line (Quad Moose) – 42km.	2x42	-	198.04
4	400kV	Bay	400kV GIS bay at 765kV Aligarh substation (PGCIL)	02 Nos.	-	32.73

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S. No.	Voltage level	Type of Work	Name of work	MVA / Km	Cost Approved in 14/10 TWC Dt. 21.12.2022 (In Rs. Cr.)	Revised Cost (In Rs. Cr.)
5.	-	-	RoW Compensation	-	-	46.19*
Total Cost					428.30	675.53
Additional Approval					247.23	

*Additional cost towards ROW Compensation, approved by the Appraisal Committee and ETF vide meetings dated 13.04.2026 and 27.04.2026.

Commission's view

- The Commission observes that the proposed scheme for construction of the 400/220 kV, 3×500 MVA GIS substation at Sector-28, YEIDA (Gautam Buddha Nagar) was earlier approved vide Order dated 30.08.2023 under the TBCB mode, at an estimated cost of Rs. 428.30 Crore.
- The said approval was granted subject to obtaining approval from the CEA, with a direction that any revision or deviation in the scheme or cost based on CEA's observations shall be placed before the Commission for prior approval.
- The Commission notes that CEA, vide its letter dated 29.08.2023, deliberated upon the establishment of the 400/220 kV, 3×500 MVA substation at YEIDA Sector-28 along with provision of a 125 MVA bus reactor and a 400 kV double-circuit transmission line from Aligarh (PG) to YEIDA Sector-28 to meet the anticipated load demand in the YEIDA area.
- The revised scheme for construction of the 400/220 kV, 3×500 MVA GIS substation at Sector-28, YEIDA, along with associated transmission elements, has been formulated based on system studies and deliberations carried out by the CEA, CTUIL, and Grid-India.
- The Commission further notes that the Petitioner has obtained approvals from the TWC, Board of Directors, Appraisal Committee and ETF for the revised scheme.
- The Commission notes that the earlier scheme approved, vide Order dated 30.08.2023, has undergone revision in terms of scope and cost, including

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addition of a new 400 kV Aligarh (PG)–YEIDA Sector-28 double-circuit transmission line and associated bays, and deletion of certain previously proposed elements (LILO of 400kV Muradnagar (400)-Math, Mathura SC line (Twin Moose Conductor) at 400kV GIS Sec-28 YIEDA Gautam Budhnagar) and inclusion of additional cost estimated towards ROW compensation as approved by the Appraisal Committee and ETF vide meetings dated 13.04.2026 and 27.04.2026, resulting in an increase of 247.23 Crore from the earlier approved cost of Rs. 428.30 to Rs. 675.53 Crore.

- (g) Regulation 6.1 of UPERC (Modalities of Tariff Determination) Regulations 2023, all new greenfield intra-State transmission projects of 220 kV and above voltage level, being part of the STU Transmission Plan, need to be implemented through TBCB.
- (h) Accordingly, the Commission is of the view that the instant scheme is required to meet the growing demand in the area and supports the Data Centre Policy of the Government of Uttar Pradesh, which aims to create a conducive environment for investment and employment generation. Considering the importance of the scheme and the requirement for timely implementation, the Commission hereby approves the revised scheme under the TBCB mode and directs UPPTCL to take the work on priority.

Schemes to be implemented under Deposit Mode:

For the two schemes proposed under the Deposit Mode, namely (i) Construction of 132/33 kV 2x40 MVA IIT Kanpur substation, associated lines and bay, and (ii) Construction of 3-phase DC line for Railway's proposed 132/25 kV Renukoot TSS and 132/25 kV Obra TSS, the Commission, vide its Order dated 30.08.2023 in Petition No. 1995 of 2023 pertaining to approval of capital expenditure schemes for the 3rd and 4th quarters of FY 2022-23, has made the following observations:

Quote

"Commission's view:

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The Commission has considered the submission of the Petitioner seeking relaxation for prior approval of deposit schemes. In this regard, the relevant extract of the UPERC (Modalities of Tariff Determination) Regulations, 2023 is reproduced below:

"-----Provided that following new greenfield intra-State transmission projects, being part of the STU Transmission Plan, shall be covered under RTM framework (under Section 62 of the Act) subject to prior approval of the Commission:

(d) Deposit works, whose funds are accounted for under consumer contribution;

From above, it is observed that Regulation 6.1 of UPERC (Modalities of Tariff Determination) Regulations, 2023 requires UPPTCL to seek prior approval of the Commission for deposit schemes. However, the Commission is of view that since deposit work schemes are to be implemented as and when required by the consumer/user for which there is no prior information to UPPTCL and that the cost of such schemes are not passed on in ARR/ tariff as all the works are carried out at the expenses of particular users/consumers therefore, the Commission in exercise of its powers conferred under Regulations 9 of UPERC (Modalities of Tariff Determination) Regulations, 2023 has relaxed the requirement of prior approval of the Commission for deposit work schemes. However, UPPTCL is directed to continue to intimate about the deposit work schemes on quarterly basis."

Unquote

11. Considering the above, the Commission notes that the requirement of obtaining prior approval for deposit work schemes has already been relaxed vide its Order dated 30.08.2023 in Petition No. 1995 of 2023, considering the nature of such schemes and the fact that the associated expenditure is borne by the concerned consumer/user and is not passed through in the ARR/Tariff. Accordingly, the Petitioner shall continue to undertake such deposit works and shall keep the Commission apprised of all such schemes on a quarterly basis, in accordance with the directions issued by the Commission.
12. In view of foregoing, the summary of capital expenditure schemes approved for 1st quarter of FY 2025-26 are as below: -

S. No	Scheme No.	Name of Scheme	Type	Petitioner Submission		Commission Computed and Approved	
				Amount (Rs. Cr.)	IRR (%)	Amount (Rs. Cr.)	IRR (%)
RTM Mode							

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S. No	Scheme No.	Name of Scheme	Type	Petitioner Submission		Commission Computed and Approved	
				Amount (Rs. Cr.)	IRR (%)	Amount (Rs. Cr.)	IRR (%)
1	Scheme No.1	Augmentation at 400kV Sultanpur from 3x315 MVA to 3x315+1x500 MVA.	Augmentation	43.27	74.39	43.27	38.60
2	Scheme No.2	Construction of 132kV Sahajanpur- Faridpur Line at 132kV Tilhar-4.79Km and associated works	New	20.30	80	20.30	17.58
3	*	132kV Chunnar(220)-Chunnar DC Line-8.2KM and associated bays *(part of Scheme: 220kV Chunnar S/s under TBCB)	New	11.30	-	11.30	-
TBCB Mode							
4	Scheme No.1	Amendment in Mode of Implementation of part of construction of 220/132/33 kV 2x160+2x40 MVA Chunnar (AIS), Associated Line & Bays	New	124.23	-	124.23	-
5	Scheme No.2	Amendment in construction of 400/220 kV, 3x500 MVA GIS substation Sector-28 YEIDA (G. B. Nagar)	New	247.23*	-	247.23	-
Deposit Mode							
6	Scheme No.1	Construction of 132/33 kV 2x40 MVA IIT Kanpur substation, associated lines and bay	New	58.38	-	58.38	-
7	Scheme No.2	Construction of 3-phase DC line for Railway's proposed 132/25 kV Renukoot TSS and 132/25 kV Obra TSS.	New	62.50	-	62.50	-

* Scheme cost revised to Rs. 675.53 Crore from the earlier approved cost of Rs. 428.30 Crore, resulting in an increase of Rs. 247.23 Crore.

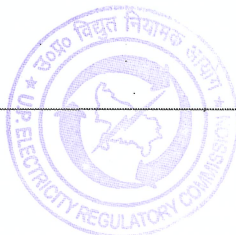
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13. The approval on above schemes under RTM, TBCB & Deposit framework is accorded. However, UPPTCL is directed to adhere following principles for its future proposals:
- The schemes requiring approval only from Appraisal Committee shall be filed as soon as it is approved by the Appraisal Committee. The Petitioner shall not delay in filing petition & execution of these schemes in lieu of filing a single petition by combining schemes (exceeding 50 Crore) which require ETF approval, as ETF approval may take longer time and may delay the approval & execution of these schemes.
 - The various equipment and material or execution of the schemes shall be procured through a fair and transparent competitive bidding process.
 - All works shall be carried out in compliance with the Act/Regulations/Rules/Standards of Commission/CEA or any other competent authority as applicable.
 - The licensee shall submit the completion report indicating the actual cost incurred in implementation of the scheme. The final cost and quantity will be subject to verification by way of prudence check/truing up at the time of final approval/capitalization.
 - The Licensee shall, in future, be at liberty to approach the Commission for approval of any revision in the cost of the above schemes arising on account of changes due to Government Orders, including those pertaining to ROW compensation.
14. In light of the revised Transmission Planning Criteria issued by the Central Electricity Authority (CEA) in 2023, all Transmission Sub-stations located in urban areas shall be planned near the load centres. The land for the Sub-stations shall be arranged to accommodate the transformation capacity as per planning criteria. During the preparation of Electrical layout of Sub-stations space for the future augmentation shall be reserved.

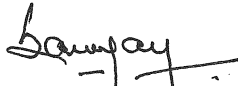


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15. During the TWC approval of Transmission schemes, spare transformation capacity and spare feeder bays must be mentioned in line with the revised transmission planning criteria of CEA.
16. Accordingly, in view of the above directions, the Petition is disposed of.


(Sanjay Kumar Singh)
Member


(Arvind Kumar)
Chairman

Dated: 22.06.2026

Place: Lucknow

