



Central Electricity Regulatory Commission

6th, 7th, & 8th Floor, Tower-B, World Trade Centre,
Nauroji Nagar, New Delhi-110029

Petition No. 340/TL/2024

Dated: 9.12.2024

NOTICE UNDER CLAUSE (a) OF SUB-SECTION (5) OF SECTION 15 OF THE ELECTRICITY ACT, 2003

An application under Sections 14, 15 and 79(1)(e) of the Electricity Act, 2003 (the Act) has been made by **Khavda IV C Power Transmission Limited**, DLF Cyber Park, Tower B, 9th Floor, Udyog Vihar Phase-III Road, Sector 20, Gurugram- 122008, Haryana, India to establish the Inter-State transmission system to establish Inter-State transmission system for "Transmission System for Evacuation of power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV (7 GW): Part C on Build, Own, Operate And Transfer basis (hereinafter referred to as "the Project") consisting of the following elements:

Transmission System for Evacuation of power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV (7 GW): Part C

Sl. No.	Name of Transmission Element	Scheduled COD in months from the Effective Date
1.	<p>Establishment of 4x1500 MVA, 765/400 kV and 2x500 MVA, 400/220 kV Boisar-II (GIS) S/s with 2x330 MVAR, 765 kV bus reactors and 2x125 MVAR, 420 kV bus reactors.</p> <p>(2x1500 MVA, 765/400 kV ICTs shall be on each 400-kV section and 2x500 MVA, 400/220 kV ICTs shall be on 400 kV Bus Section-II. 2x125 MVAR Bus reactors shall be such that one bus reactor is placed on each 400-kV bus section. 400 kV Bus Sectionalizer to be kept under normally OPEN condition)</p> <ul style="list-style-type: none"> 765/400 kV, 1500 MVA ICT: 4 Nos. (13x500 MVA single phase units including one spare unit) 400/220 kV, 500 MVA ICT: 2 Nos. 765 kV ICT bays: 4 Nos. 400 kV ICT bays: 6 Nos. (2 Nos. on Bus Section-I and 4 Nos. on Bus Section-II) 400 kV Bus Sectionalizer: 1 set 220 kV ICT bays: 2 Nos. 220 kV BC bay: 1 No. 330 MVAR, 765 kV bus reactor: 2 Nos. 125 MVAR, 420 kV bus reactor: 2 Nos. 765 kV reactor bays: 2 Nos. 765 kV line bays: 6 Nos. 400 kV reactor bays: 2 Nos. (one on each bus section) 400 kV line bay: 6 Nos. (4 Nos. on bus Section-I and 2 Nos. on bus Section-II) 110 MVAR, 765 kV, 1-ph reactor (spare unit for line/bus reactor): 1 No. <p>Future Provisions:</p> <ul style="list-style-type: none"> 765/400 kV ICT along with bays: 2 No. 765 kV line bays along with switchable line reactors: 8 Nos. 765 kV Bus Reactor along with bay: 2 No. 765 kV Sectionalizer bay: 1 set 400 kV line bays along with switchable line reactor: 8 Nos. 400/220 kV ICT along with bays: 6 Nos. 420 kV Bus Reactor along with bay: 2 No. 220 kV line bays: 12 Nos. 220 kV Sectionalization bay: 1 set 220 kV BC: 1 No. 	24 Months
2.	South Olpad (GIS) - Boisar-II (GIS) 765 kV D/c line	
3.	2 Nos. of 765 kV line bays at South Olpad (GIS) for termination of South Olpad (GIS) - Boisar-II (GIS) 765 kV D/c line • 765 kV line bays (GIS) - 2 Nos. (for South Olpad end)	
4.	240 MVAR switchable line reactors on each ckt at South Olpad (GIS) and Boisar-II (GIS) end of South Olpad (GIS) - Boisar-II (GIS) 765 kV D/c line (with NGR bypass arrangement) • 240 MVAR, 765 kV switchable line reactor- 4 [2 for Boisar-II (GIS) and 2 for South Olpad (GIS)] • Switching equipment for 765 kV line reactor- 4 (2 for Boisar-II (GIS) and 2 for South Olpad (GIS)) • 1x80 MVAR, 765 kV 1-ph spare line reactor- 1 No. (for Boisar-II end) • 1x80 MVAR, 765 kV 1-ph spare line reactor proposed for Ahmedabad - South Olpad (GIS) 765 kV line (under Khavda Ph-IV Part B scheme) at South Olpad (GIS) S/s to be used as spare	
5.	LILO of Navsari (New) - Padghe (PG) 765 kV D/c line at Boisar-II	
6.	Boisar-II (Sec-II) - Velgaon (MH) 400 kV D/c (Quad ACSR/AAAC/AL59 moose equivalent) line	
7.	2 Nos. of 400 kV line bays at Velgaon (MH) for termination of Boisar-II - Velgaon (MH) 400 kV D/c (Quad ACSR/AAAC/AL59 moose equivalent) line • 400 kV line bays (GIS): 2 Nos. [for Velgaon (MH) end]	

	• 400 kV line days (GIS): 2 Nos. (for Velgaon (M) only)
8.	LILO of Babhaleswar – Padghe (M) 400 kV D/c line at Boisar-II (Sec-I) using twin HTLS conductor with a minimum capacity of 1700 MVA per ckt at nominal voltage
9.	80 MVAR switchable line reactors at Boisar-II end of Boisar-II – Babhaleswar 400 kV D/c line (with NGR bypass arrangement) formed after above LILO • 80 MVAR, 420 kV switchable line reactor including switching equipment: 2 Nos.
10.	±200 MVAR STATCOM with 2x125 MVAR MSC, 1x125 MVAR MSR at 400 kV bus section-I of Boisar-II and ±200 MVAR STATCOM with 2x125 MVAR MSC, 1x125 MVAR MSR at 400 kV bus section-II of Boisar-II • ±200 MVAR STATCOM (with MSC/MSR) on 400 kV Section-I • 400 kV bay – 1 No. on Section-I • ±200 MVAR STATCOM (with MSC/MSR) on 400 kV section-II • 400 kV bay – 1 No. on Section-II
11.	± 300 MVAR STATCOM with 3x125 MVAR MSC, 1x125 MVAR MSR at 400 kV level of Navsari (New)(PG) S/s with 1 No. of 400 kV bay (GIS) • ±300 MVAR STATCOM (with MSC/MSR) • 400 kV bay: 1 No.

Note:

- Bay(s) required for completion of diameter (GIS) in one-and-half breaker scheme shall also be executed by the TSP.
 - MSETCL shall carry out reconductoring of the balance portion of Padghe (M) – Boisar-II 400 kV D/c line (i.e., from LILO point up to Padghe(M)) and shall also carry out corresponding upgradation of 400 kV bays at Padghe (M) as may be required in matching time-frame of the LILO line. MSETCL has confirmed the maximum capacity of the line which can be achieved after reconductoring considering clearances in existing towers of Babhaleswar – Padghe (M) 400 kV D/c line as 1700 MVA per ckt.
 - MSETCL shall implement the LILO of both circuits of Boisar-II – Velgaon 220 kV D/c line at Boisar-II (ISTS) S/s along with 4 Nos. 220 kV GIS bays at Boisar-II in matching time-frame of Boisar-II (ISTS) S/s.
 - TSP of South Olpad (GIS) S/s shall provide space for work envisaged at Sl. No. 3 and 4.
 - MSETCL shall provide space for the work envisaged at Sl. No. 7 at Velgaon S/s.
 - TSP of the subject scheme shall implement Inter-tripping scheme on South Olpad (GIS) – Boisar-II (GIS) 765 kV D/c line (for tripping of the switchable line reactor at either end along with the main line breaker).
 - The implementation timeframe: 24 months from the Effective Date*.
- The Central Transmission Utility of India Limited vide its letter dated 25.10.2024 has recommended for the grant of a transmission licence to the applicant to establish the proposed transmission system.
 - Based on the material available on the record, the Commission vide order dated 7.12.2024 in Petition No. 340/TL/2024, has proposed to issue a transmission licence to the applicant for establishment of the transmission scheme as noted in para 1 above.
 - A copy of the application, along with its annexures and enclosures, made by the applicant for the grant of an inter-State transmission licence to Khavda IV C Power Transmission Limited before the Commission can be accessed at the www.sterilitepower.com or inspected by any person in the Commission's office by following the laid down procedure.
 - Notice is hereby given in pursuance of clause (a) of sub-section (5) of Section 15 of the Act that suggestions or objections, if any, to the Commission's proposal to grant a transmission licence to the applicant, as aforesaid, be sent to the undersigned by **24.12.2024** at the above noted address. The suggestions or objections received after the specified date shall not be considered.
 - The application shall be taken up for the further hearing by the Commission on **26.12.2024**. Any person who files suggestions or objections may in his/her discretion attend the hearing, for which no TA/DA shall be paid by the Commission.

Sd/-
(Harpreet Singh Pruthi)
Secretary