



पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड  
Power Grid Corporation of India Limited  
सूचना का अधिकार अभिनियम 2005 के अंतर्गत केन्द्रीय लोक सूचना अधिकारी  
Central Public Information Officer under the RTI Act, 2005  
केन्द्रीय कार्यालय, 'सौदामिनी', प्लॉट नं.2, सेक्टर-29, गुडगांव, हरियाणा-122007  
Corporate Centre, 'Saudamini', Plot No. 2, Sector-29, Gurgaon, Haryana-122007



CIN : L40101DL1989GOI038121

PGCIL/R/2020/M-79

दिनांक: 05 March, 2020

**Shri K. Ramakrishnan Iyer,**  
204, 2<sup>nd</sup> Floor, Neptune, Sun city,  
Aadi Shankaracharya Marg, Powai,  
Mumbai- 400076  
**Maharashtra**

**विषय: सूचना का अधिकार अधिनियम, 2005 के तहत जानकारी।**

महोदय / महोदया,

कृपया आर.टी.आई. अधिनियम, 2005 के तहत दिनांक 21 January, 2020 को प्रेषित अपने आर.टी.आई. अनुरोध का संदर्भ लें।

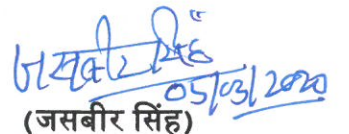
उपरोक्त पत्र में वांछित जानकारी अनुलग्नक-1 में संलग्न है।

यदि आप केन्द्रीय लोक सूचना अधिकारी के उत्तर से संतुष्ट न हो तो, केन्द्रीय लोक सूचना अधिकारी के उत्तर की प्राप्ति के 30 दिनों के भीतर पहले अपील प्राधिकारी के सम्मुख अपील की जा सकती है। आरटीआई अधिनियम, 2005 के तहत केन्द्रीय कार्यालय, गुडगांव में अपील प्राधिकारी का विवरण निम्नानुसार है:

**श्री संजीव सिंह,**  
कार्यपालक निदेशक (सी एम जी) एवं अपील प्राधिकारी  
केन्द्रीय कार्यालय, पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड,  
"सौदामिनी", प्लॉट नंबर-2, सेक्टर-29, गुडगांव-122001, हरियाणा।  
ईमेल आईडी: sanjeev@powergridindia.com  
फोन नंबर: 0124-2571962

धन्यवाद,

भवदीय,

  
(जसबीर सिंह)




वरिष्ठ महाप्रबंधक (के. आ.) व के. लो. सू. अधिकारी

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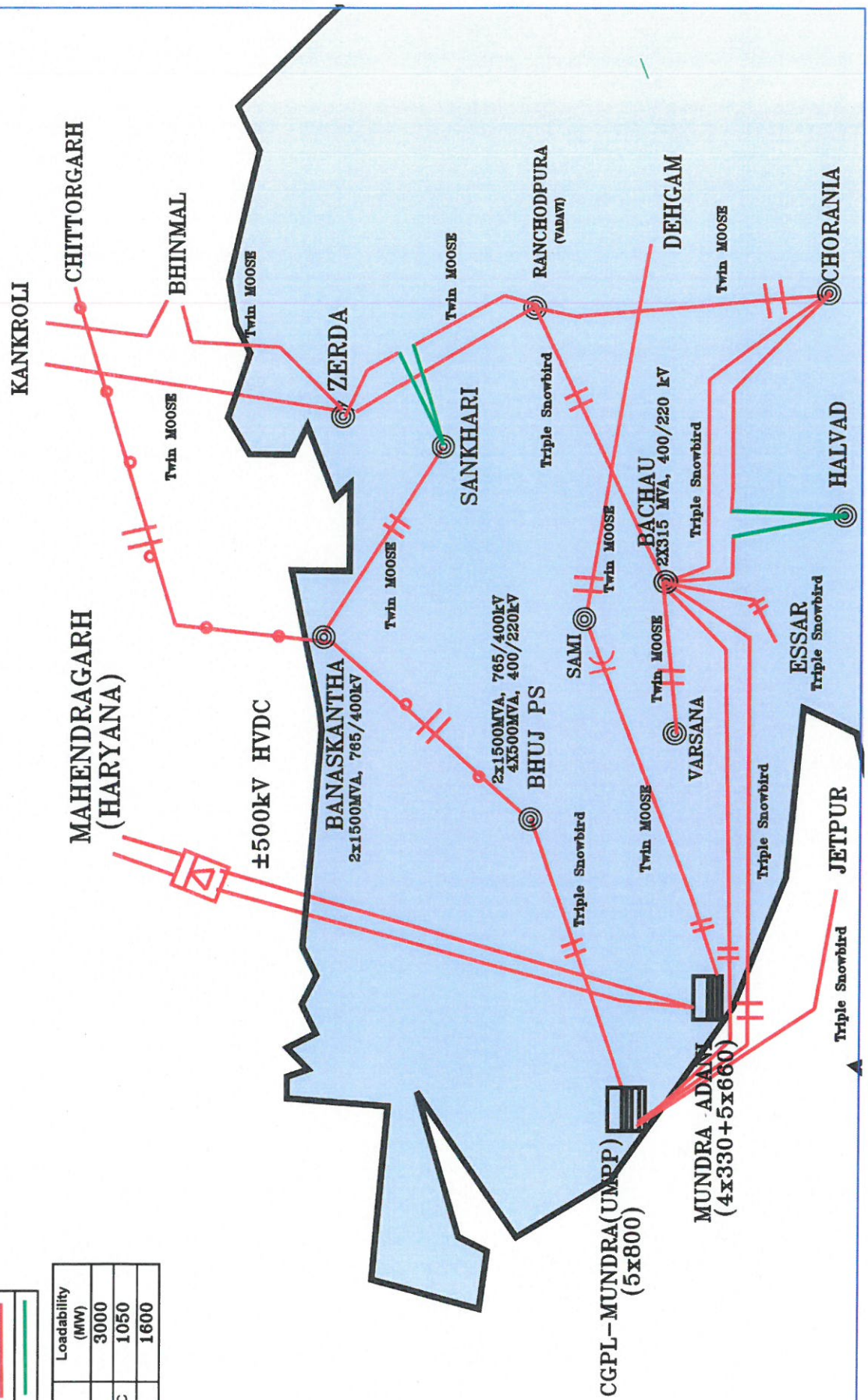
**Point wise reply of RTI queries.**

- **Point A:**  
Map of existing Inter-State Transmission System in Kutch, Gujarat, alongwith voltage level and capacity of various elements, is attached at **Annexure-A**.
- **Point B:**  
Map of proposed Inter-State Transmission System in Kutch, Gujarat, alongwith voltage level and capacity of various elements, is attached at **Annexure-B**.
- **Point C:**  
The status and developing agency of the proposed transmission system in Kutch, Gujarat is attached at **Annexure-C**.
- **Point D:**  
Reply to the point-wise queries have been tabulated at **Annexure-D**.

# Existing ISTS transmission system in Kutch, Gujarat

Transmission lines	Existing
765kV lines	
400kV lines (ISTS)	
400kV lines (Intra-State)	

Transmission lines	Loadability (MW)
765kV lines	3000
400kV lines (Twin) @ 85°C	1050
400kV lines (Triple)	1600

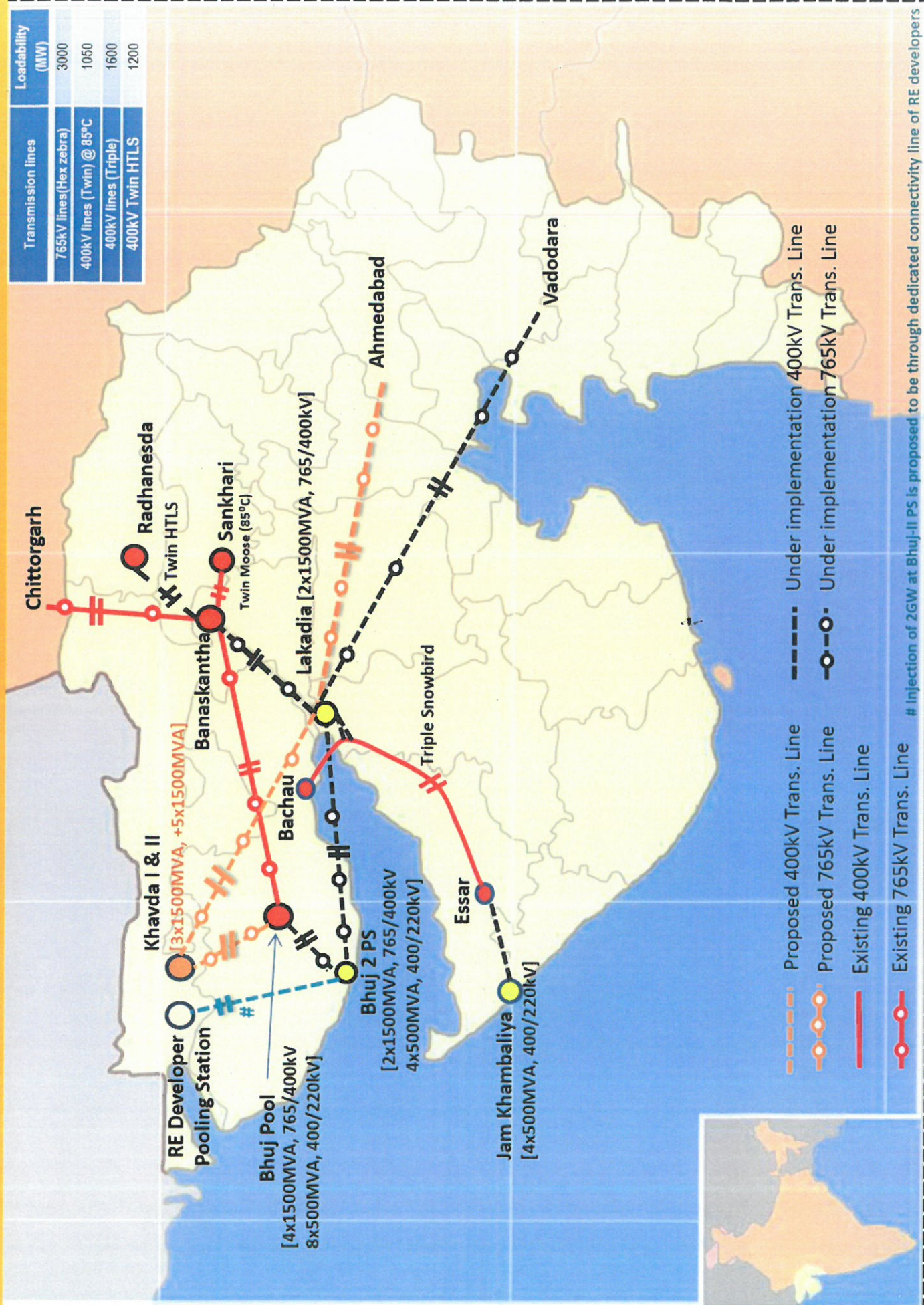




# Proposed ISTS transmission system in Kutch, Gujarat

## Annexure-B

Transmission lines	Loadability (MW)
765kV lines(Hex zebra)	3000
400kV lines (Twin) @ 85°C	1050
400kV lines (Triple)	1600
400kV Twin HTLS	1200



# Injection of 2GW at Bhuj-II PS is proposed to be through dedicated connectivity line of RE developers



**Annexure-C**

<b>Scheme</b>	<b>Status</b>	<b>Developing Agency</b>
<b>1. Western Region Strengthening Scheme-21 (WRSS-21) Part A - Transmission System strengthening for relieving over loadings observed in Gujarat Intra-state system due to RE injections in Bhuj PS</b> <ul style="list-style-type: none"><li>Establishment of 2x1500MVA, 765/400kV Lakadia PS with 765kV (1x330MVAR) &amp; 400kV (125 MVAR) bus reactor</li><li>LILO of Bhachau – EPGL 400kV D/c (triple) line at Lakadia PS</li><li>Bhuj PS – Lakadia PS 765kV D/c line along with 2 nos of 765kV bays at Bhuj PS</li></ul>	Approved	Private
<b>2. Western Region Strengthening Scheme-21 (WRSS-21) Part B - Transmission System strengthening for relieving over loadings observed in Gujarat Intra-state system due to RE injections in Bhuj PS</b> <ul style="list-style-type: none"><li>Lakadia – Vadodara 765kV D/c line alongwith 330MVA switchable line reactors &amp; 2 nos of 765kV bays at both Vadodara and Lakadia S/s</li></ul>	Approved	Private
<b>3. Transmission System for providing connectivity to RE projects at Bhuj II in Gujarat</b> <ul style="list-style-type: none"><li>Establishment of 2x1500MVA (765/400kV), 4x500MVA(400/220kV) Bhuj-II PS (GIS) with 765kV (1x330MVAR) and 400kV (125 MVAR) bus reactor along with 7 nos. 220kV line bays</li><li>Reconfiguration of Bhuj PS – Lakadia PS 765kV D/c line so as to establish Bhuj-II –Lakadia 765 kV D/C line as well as Bhuj-Bhuj-II 765kV D/C line</li></ul>	Approved	POWERGRID
<b>4. Transmission System for providing connectivity to RE projects in Gujarat</b> <ul style="list-style-type: none"><li>Establishment of 4x500MVA, 400/220kV ICTs at Lakadia PS (400kV AIS and 220kV GIS) along with 7 nos. 220kV GIS line bays</li></ul>	Approved	Deferred due to land issues in Lakadia
<b>5. Transmission system associated with RE generations at Bhuj –II, Dwarka &amp; Lakadia</b> <ul style="list-style-type: none"><li>Lakadia PS – Banaskantha PS 765kV D/c line alongwith 765kV Bays at Lakadia and Banaskantha &amp; 240MVA switchable Line reactor at Banaskantha PS end</li></ul>	Approved	Private
<b>6. Transmission System for evacuation of power for Khavda Region</b> <ul style="list-style-type: none"><li>Establishment of Khavda 765/400kV PS</li><li>Khavda PS – Bhuj PS 765kV D/c line</li><li>Khavda PS – Lakadia PS 765kV D/c line</li><li>Lakadia PS – Ahmedabad S/s 765kV D/c line</li><li>Establishment of Ahmedabad 765/400kV S/s along with associated 400kV interconnections (LILO of Pirana (PG) – Pirana (T) 400kV D/c line at Ahmedabad S/s with twin HTLS along with reconductoring of Pirana (PG) – Pirana(T) line with twin HTLS conductor)</li><li>Ahmedabad S/s – Indore S/s 765kV D/c line</li><li>Ahmedabad S/s– Vadodara S/s 765kV D/c line</li></ul>	Proposed	-

**Annexure-D**

Information sought w.r.t. Points no.	1.a/2.a./3.a/4.a	1.b/1.c/1.d/1.e/1.f/ 2.b/2.c/2.d/2.e/2.f/ 3.b/3.c/3.d/3.e/3.f/3.g/3.h/4. b/4.c/4.d/4.e/4.f/4.g/4.h	1.g/2.g/3.i/4.i	1.h/2.h/3.j/ 4.j	1.i/2.i/3.k/4.k	1.j/2.j/3.l/4.l
	Capacity & Configuration		Awarded to	Status of bidding	Name & Address of successful bidder	Timelines
1. Bhuj-II PS	<p><b>Establishment of 765/400/220 kV Bhuj-II PS (GIS)</b></p> <ul style="list-style-type: none"> <li>o 2x1500 MVA(765/400 kV) ICT,</li> <li>o 4x500 MVA (400/220 kV) ICT,</li> <li>o 1x500 MVA (765/400 kV), 1-ph ICT (spare unit),</li> <li>o 400 kV ICT Bay – 6 nos.,</li> <li>o 765 kV ICT Bay – 2 nos.,</li> <li>o 220 kV ICT Bay – 4 nos.,</li> <li>o 765 kV Line Bay – 4 nos.,</li> <li>o 220 kV Line Bay – 7 nos., (GIS)</li> <li>o 1x330 MVA, 765 kV BR,</li> <li>o 1x110 MVA, 765 kV, 1-ph Reactor (spare unit)</li> <li>o 1x125 MVA, 420kV BR,</li> <li>o 765 kV Reactor Bay – 1 no.,</li> <li>o 420 kV Reactor Bay – 1 no.</li> </ul>		Power Grid Corporation of India Limited		Bhuj-II Transmission Ltd., Power Grid Corporation of India Ltd., Saudamini, Plot no.2, Sector 29, Gurgaon -122001	
2. Lakadia S/s	<p><b>Establishment 765/400kV Lakadia PS</b></p> <ul style="list-style-type: none"> <li>o 2x1500MVA, 765/400kV ICT,</li> <li>o 400kV ICT bay-2,</li> <li>o 765kV ICT bay-2,</li> <li>o 400kV line bay-4,</li> <li>o 765kV line bay-2,</li> <li>o 1x330MVA, 765kV BR,</li> <li>o 1x125MVA, 420kV BR,</li> <li>o 765kV Reactor bay- 1,</li> <li>o 420kV Reactor bay -1,</li> <li>o 1x500 MVA, 765/400kV, 1-ph ICT (spare unit),</li> <li>o 1x110 MVA, 765kV, 1ph Reactor (spare unit)</li> </ul> <p><b>Note: Establishment of 4x500MVA, 400/220kV ICTs at Lakadia PS (400kV AIS and 220kV GIS) along with 7 nos. 220kV GIS line bays: Deferred due to land issues in Lakadia</b></p>	Information is being sought from various regional offices & shall be forward to you shortly.	Private	Awarded	WRSS XXI (A) Transco Ltd., Adani Corporate House, Shantigram, S. G. Highway, Ahmedabad- 382 421, Gujarat	Dec'20
3. Bhuj-Lakadia line	765kV D/c (Hexa Zebra) transmission lines Line Loadability – 3000MW					
4. LILO of Bhachau-EPGL 400kV line at Lakadia S/s	400kV D/c (Triple Snowbird) transmission lines Line Loadability – 1600MW					