

BEFORE THE MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

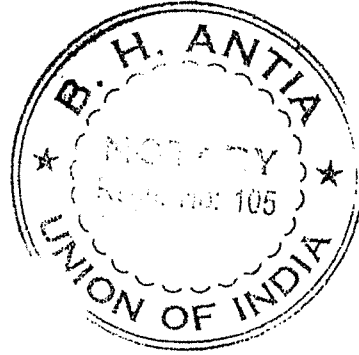
PETITION NO. \_\_\_\_ OF 2015

Reliance Infrastructure Ltd

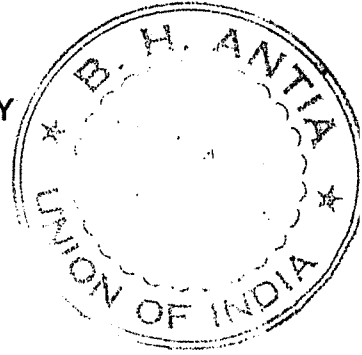
...Applicant/Petitioner.

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BEFORE THE MAHARASHTRA ELECTRICITY REGULATORY  
COMMISSION



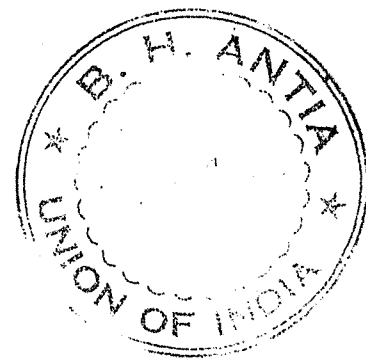
PETITION NO. \_\_\_\_\_ OF 2015

In the matter of Application for the grant of Transmission Licence under the provisions of Section 18/Section 14 of the Electricity Act, 2003 and the Maharashtra Electricity Regulatory Commission (Transmission Licence Conditions) Regulations, 2004 for 220 kV Lines connecting RInfra-T's 220 kV Saki Substation with TPC-T's 220 kV Saki Substation

And

In the matter of Licence for Transmission of Electricity, Licence No. 1 of 2011, granted to Reliance Infrastructure Limited by the Hon'ble Maharashtra Electricity Regulatory Commission under the provisions of Section 14 of the Electricity Act, 2003;

Reliance Infrastructure Limited	}	
a company incorporated under the	}	
provisions of the Indian Companies	}	
Act, 1913 and having its registered	}	
office at H Block, 1 <sup>st</sup> Floor,	}	
Dhirubhai Ambani Knowledge City,	}	
Navi Mumbai 400 710.	}	... Applicant/Petitioner



HUMBLE PETITION OF THE PETITIONER ABOVENAMED

MOST RESPECTFULLY SHEWETH

1. **Background**

1.1 The Applicant/Petitioner, Reliance Infrastructure Limited (hereinafter referred as "RInfra" for short), is a Transmission Licensee pursuant to the licence being granted to it under Licence No. 1 of 2011, dated 11<sup>th</sup> August, 2011 by the Hon'ble Maharashtra Electricity Regulatory Commission, under the provisions of Section 14 of the Electricity Act, 2003 ("EA03" for short).

A copy of the Licence dated 11<sup>th</sup> August, 2011 is hereto annexed and marked as **Annexure "1"**.

1.2 The license granted to the Transmission business of RInfra (RInfra-T) is to transmit electricity within the area of transmission (as defined in the said Licence no.1 of 2011, under Part II, section 3, "Area of Transmission"). The said Licence is line specific Licence in the Intra state Transmission system for the State of Maharashtra. RInfra-T has in place a mesh transmission network and interconnection with

transmission grid along with the nearest Generation sources of Reliance Infrastructure Limited Generation (RInfra-G for short) Dahanu Thermal Power Plant (DTPS) at Dahanu & Transmission Network of TATA Power Company Ltd. (TPC-T for short) at Borivali Substation, Maharashtra State Electricity Transmission Co. Ltd. (MSETCL for short) at Borivali, Boisar and Trombay Substations and the same is further interconnected to high density population Distribution region in the suburbs of Mumbai.

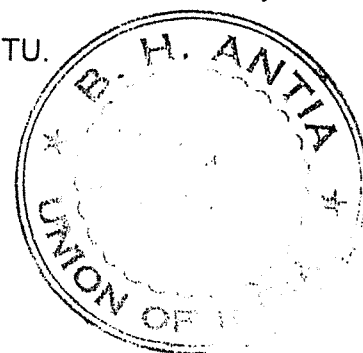
- 1.3 The transmission network of RInfra-T consists of 4 over head lines emanating from RInfra-G DTPS to 8 nos. of EHV Substations at Ghodbunder, Aarey, Versova, Goregaon, Gorai, Saki, RInfra Borivali & Chembur EHV Substations. With the LILO RInfra-G DTPS – RInfra Versova line at MSETCL Boisar Substation and LILO of MSETCL Boisar Borivali line at Ghodbunder EHV Substation, the network is further expanded and connected at 220 kV to MSETCL grid through TPC-Borivali and MSETCL-Boisar, Borivali & Trombay EHV Substations through under ground cable connectivity.

**2. Details of the matter:**

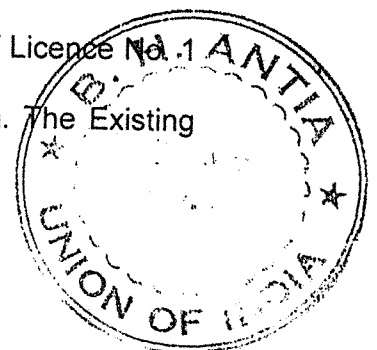
- 2.1 The peak demand of Mumbai System is around 3600 MW during FY 2014-15 which is met by RInfra-G & TPC-G generation and through power purchases from the sources outside Mumbai region. Looking at past trends and taking into consideration the directives stipulated by the Government of Maharashtra ("GOM") the growth in demand of Mumbai with a CAGR of 3-4% is expected in the near future.



- 2.2 The fragility of the Mumbai Transmission network and the need for adequate augmentation has been extensively deliberated by all concerned statutory authorities on several occasions. The Hon'ble Commission too has on several occasions expressed its concern for strengthening the Mumbai Transmission network, particularly considering the IIT-B report on Partial Grid Disturbance dated June 2011 and also the independent report of the MERC constituted Standing Committee on 5 year (Transmission) Business Plan for Mumbai Metropolitan Region (MMR) dated December 2011.
- 2.3 Under Section 39 (2b) of EA03, State Transmission Utility (STU) is empowered to discharge all functions of planning and co-ordination relating to intra-State transmission system. As a part of its functions, STU identify, suggest and approval the proposals of Transmission Licensee for strengthening of transmission system.
- 3 Double Circuit 220 kV Lines connecting Rlnfra-T's 220 kV Saki Substation with TPC-T's 220 kV Saki Substation:**
- 3.1 For further strengthening of Transmission Network of Mumbai, STU has already approved Double circuit 220 kV Line connecting Rlnfra-T's 220 kV Saki Substation with TPC-T's 220 kV Saki Substation;
- 3.2 The interconnection shall improve the reliability of existing transmission system.
- 3.3 Rlnfra-T vide its letter reference no. TD-40/SGH/2011 dated 3<sup>rd</sup> July 2012 submitted the Connection Application to STU.



- 3.4 The STU has granted In-principle approval for this scheme vide their letter reference no. MSETCL/CO/STU/2426 dated 15<sup>th</sup> February 2013. The copy of said communication is attached herewith as **Annexure "2"**.
- 3.5 The STU has also issued the confirmation by its letter dated 29<sup>th</sup> January, 2013 addressed to the Secretary, MERC about inclusion of this Scheme in STU plan. A copy of the said letter dated 29<sup>th</sup> January, 2013 addressed by STU to the Secretary, MERC is attached herewith and marked as **Annexure "3"**.
- 3.6 Rlnfra-T is submitting this petition to the Hon'ble Commission for amendment of its license for including the said interconnection lines.
- 3.7 Hon'ble Commission has already accorded its 'In-principle' approval to Detailed Project Report (DPR) vide its letter ref No. MERC/CAPEX/2013-14/01323 dated 30<sup>th</sup> September 2013 (attached herewith as **Annexure "4"**).
4. The present petition is being filed by Rlnfra-T under the provisions of Section 18 of the Electricity Act, 2003 [EA'03] seeking amendment of Rlnfra's licence. The Licence of Rlnfra-T, being Licence No. 1 of 2011 is already in force since 16<sup>th</sup> August, 2011 and continues to remain in force for the period specified under sub-section (8) of Section 15 of the Electricity Act, 2003.
5. Part II, General Terms and Conditions, paragraph 3 of Licence No. 1 of 2011 of Rlnfra-T, deals with Area of Transmission. The Existing



System (Transmission Lines/list of EHV Substation Bays) as well as proposed system (Transmission System/ list of EHV Substation Bays) has been more particularly set out in the said Licence.

6. Section 18 of the Electricity Act, 2003 provides as follows :

*"18. **Amendment of licence** - (1) Where in its opinion the public interest so permits, the Appropriate Commission, may, on the application of the licensee or otherwise, make such alteration and amendments in the terms and conditions of his licence as it things fit:*

*Provided that, no such alterations or amendments shall be made except with the consent of the licensee unless such consent has, in the opinion of the Appropriate Commission, been unreasonably withheld.*

*(2) Before any alterations or amendments in the licence are made under this section, the following provisions shall have effect, namely: -*

*(a) where the licensee has made an application under subsection (1) proposing any alteration or modifications in his licence, the licensee shall publish a notice of such application with such particulars and in such manner as may be specified;*

*(b) in the case of an application proposing alterations or modifications in the area of supply comprising the whole or any part of any cantonment, aerodrome, fortress, arsenal, dockyard or camp or of any building or place in the occupation of the Government for defence purposes, the Appropriate Commission shall not make any alterations or*



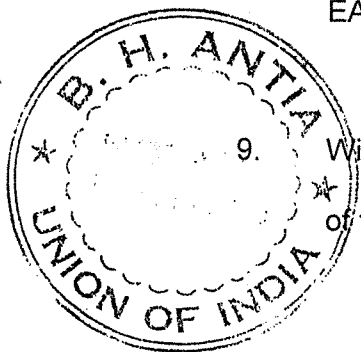
*modifications except with the consent of the Central Government;*

*(c) where any alterations or modifications in a licence are proposed to be made otherwise than on the application of the licensee, the Appropriate Commission shall publish the proposed alterations or modifications with such particulars and in such manner as may be specified;*

*(d) the Appropriate Commission shall not make any alterations or modification unless all suggestions or objections received within thirty days from the date of the first publication of the notice have been considered.*

7. As stated hereinabove, the existing Licence granted to RInfra-T is line specific which interalia covers the Existing System as well as Proposed System as more particularly set out in its said Licence. RInfra-T is proposing to establish connectivity between 220kV RInfra Saki Substation to 220kV TPC Saki Substation. The scheme proposed by RInfra-T would strengthen the Mumbai System by reducing load on critical 220 kV Aarey-Borivali Line, and would bring 220 kV RInfra Saki EHV Station in the ring system which is currently is otherwise in radial system.

8. In view of the aforesaid, RInfra-T respectfully submits that it is entitled to grant of Transmission Licence under the provisions of sub-section (8) of Section 15 of the 2003 Act read with Section 18 of the EA03.



Without prejudice to the aforesaid, RInfra-T submits that in the event of this Hon'ble Commission coming to the conclusion that the present



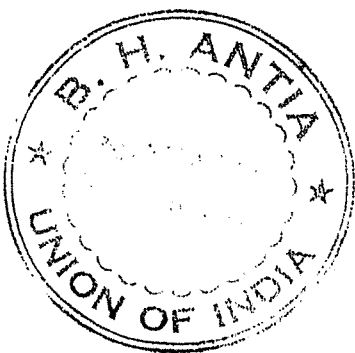
application ought to be considered as a grant of licence within the meaning of Section 14 of the 2003 Act, then in such circumstances, the present petition may be treated as an application filed pursuant to provisions of Section 14 of the EA03. RInfra-T undertakes to comply with the provisions under Section 15 of the EA03 as provide such information, details and data, and comply with the requirements laid down under the Maharashtra Electricity Regulatory Commission (Transmission Licence Conditions) Regulations, 2004" for grant of Transmission Licence.

10. Maintainability of the Petition

The Hon'ble Commission has the requisite power to alter or amend the terms and conditions of licence, where in its opinion, public interest so permits, under the provisions of Section 18 of the EA03. Hence the present petition filed by RInfra-T is maintainable.

11. The Petitioner therefore prays that:-

- (a) The existing Transmission Licence of RInfra (Transmission Licence No.1 of 2011) Part II: General Terms and Conditions, 3. Area of Transmission be amended so as to cover above connectivity/schemes for a period of 25 years with effect from 16th August 2011 under the provisions of Section 15(8) read with Section 18 of EA'03 and the Maharashtra Electricity Regulatory Commission (Transmission Licence Conditions) Regulations 2004; by adding following:



**Proposed System – Transmission Lines**

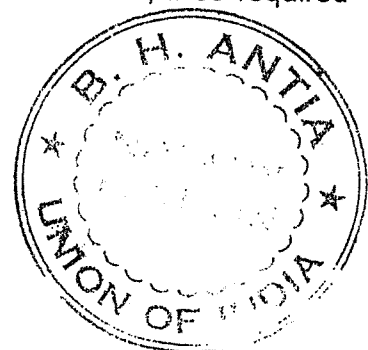
25. 220 kV RInfra Saki - TPC – 1 transmission line from RInfra-T's 220 kV Saki Substation to TPC-T's 220 kV Saki Substation.~1.5 KM Length

26. 220 kV RInfra Saki - TPC – 2 transmission line from RInfra-T's 220 kV Saki Substation to TPC-T's 220 kV Saki Substation.~1.5KM Length

**Proposed System – List of EHV Substation Bays**

Existing bays are proposed to be utilized, which are already covered under existing license.

- (b) In the alternative to (a) above this Hon'ble Commission may be pleased to grant Transmission Licence to RInfra-T for a period of 25 years under the provisions of Section 14 read with Section 15 & Section16 of EA'03 for the lines stated in prayer 'a' above.
- (c) pass any other Order as may be appropriate under the circumstances;
- (d) the Hon'ble Commission may be pleased to permit the Petitioner to add or modify this petition with additional information, if so required during the course of hearings.



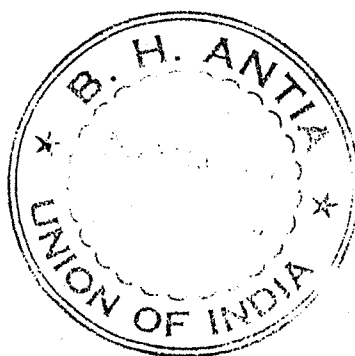
Place : Mumbai

Dated :

Mulla & Mulla & Craigie Blunt & Caroe

*S. Mulla*  
Partner

Reliance  
Infrastructure Ltd  
*[Signature]*  
Applicant /Petitioner



## Annexure I

**MAHARASHTRA ELECTRICITY REGULATORY COMMISSION**  
 World Trade Centre, Centre No.1, 13th floor, Cuffe Parade, Mumbai - 400 005.  
 Tel. No. 022 22163964/65/69 – Fax 022 22163976  
 E-mail [mercindia@mercindia.org.in](mailto:mercindia@mercindia.org.in)  
 Website: [www.mercindia.org.in](http://www.mercindia.org.in)

**TRANSMISSION LICENCE NO. 1 OF 2011****LICENCE FOR TRANSMISSION OF ELECTRICITY IN THE STATE OF  
MAHARASHTRA**

Dated: August 11, 2011

Licence granted by the Maharashtra Electricity Regulatory Commission under Section 14 of the Electricity Act, 2003 to Reliance Infrastructure Limited (RInfra), having its registered office at H-Block, First Floor, Dhirubhai Ambani Knowledge City, Navi Mumbai – 400710 to transmit electricity within the area of transmission (as defined in this Licence, under Part II, section 3, “Area of Transmission”) and with the powers and upon the terms and conditions specified herein.

**Part I: General****1. Short Title**

This Licence may be called the **Transmission Licence for Reliance Infrastructure Limited (RInfra). (Licence No. 1 of 2011).**

**2. Definitions**

All the definitions specified under “Section 3. Definitions” of Maharashtra Electricity Regulatory Commission (Transmission Licence Conditions) Regulations, 2004 as amended in 2006 (“Transmission Licence Conditions Regulations”), shall be applicable for this Licence.



Words or expressions used herein and not defined shall have the meanings assigned to them in the Electricity Act, 2003.

## **Part II: General Terms and Conditions**

### **3. Area of Transmission**

The Licence authorizes the Transmission Licensee to establish and operate the following transmission lines inclusive of related infrastructure:

#### **Existing System – Transmission Lines**

1. 220 kV Dahanu-Ghodbunder-1 transmission line (85 km) from Dahanu to Ghodbunder EHV sub-station
2. 220 kV Dahanu-Ghodbunder-2 transmission line (84.99 km) from Dahanu to Ghodbunder EHV sub-station
3. 220 kV Dahanu-Boisar transmission line (31 km) from Dahanu to MSETCL Boisar sub-station
4. 220 kV Boisar-Versova transmission line (91 km) from MSETCL Boisar to Versova EHV sub-station
5. 220 kV Dahanu-Versova transmission line (106 km) from Dahanu to Versova EHV sub-station
6. 220 kV Ghodbunder-Gorai-1 transmission line (9.72 km) from Ghodbunder EHV sub-station to Versova EHV sub-station
7. 220 kV Gorai-Versova-1 transmission line (12.58 km) from Gorai EHV sub-station to Versova EHV sub-station
8. 220 kV Ghodbunder-Versova-2 transmission line (21 km) from Ghodbunder EHV sub-station to Versova EHV sub-station
9. 220 kV Versova-Goregaon-1 transmission line (4.20 km) from Versova EHV sub-station to Goregaon EHV sub-station
10. 220 kV Goregaon-Aarey-1 transmission line (4.97 km) from Goregaon EHV sub-station to Aarey EHV sub-station
11. 220 kV Versova-Aarey-2 transmission line (9 km) from Versova EHV sub-station to Aarey EHV sub-station
12. 220 kV Aarey-Saki-1 transmission line (3.9 km) from Aarey EHV sub-station to Saki EHV sub-station



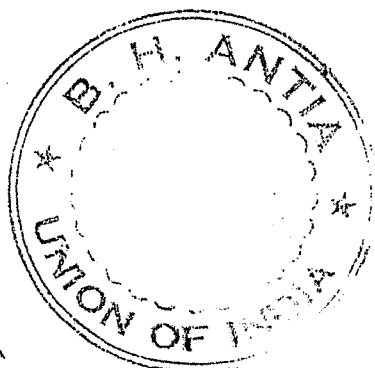
13. 220 kV Aarey-Saki-2 transmission line (3.9 km) from Aarey EHV sub-station to Saki EHV sub-station
14. 220 kV Aarey-Borivili-1 transmission line (12 km) from TPC (Borivili) EHV sub-station to Aarey EHV sub-station
15. 220 kV Aarey-Borivili-2 transmission line (12 km) from TPC (Borivili) EHV sub-station to Aarey EHV sub-station

**Existing System – List of EHV Substation Bays**

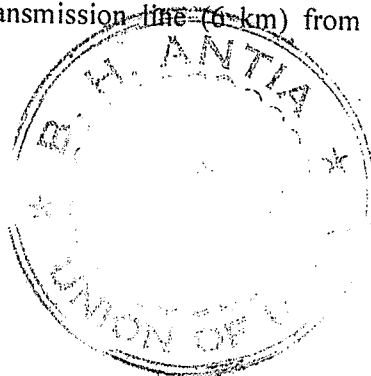
1. 17 No. of 220 kV bays at 220 kV Aarey EHV Station
2. 12 No. of 220 kV bays at 220 kV Ghodbunder EHV Station
3. 15 No. of 220 kV bays at 220 kV Versova EHV Station
4. 9 No. of 220 kV bays at 220 kV Goregaon EHV Station
5. 9 No. of 220 kV bays at 220 kV Saki EHV Station

**Proposed System – Transmission Lines**

1. 220 kV Versova-Goregaon-2 transmission line (4.2 km) from Versova EHV sub-station to Goregaon EHV sub-station
2. 220 kV Goregaon-Aarey-2 transmission line (5 km) from Goregaon EHV sub-station to Aarey EHV sub-station
3. 220 kV Ghodbunder-Gorai-2 transmission line (10 km) from Ghodbunder EHV sub-station to Gorai EHV sub-station
4. 220 kV Gorai-Versova-2 transmission line (12.6 km) from Gorai EHV sub-station to Versova EHV sub-station
5. 220 kV MSETCL Borivili-Gorai-1 transmission line (10.5 km) from MSETCL Borivili EHV sub-station to Gorai EHV sub-station
6. 220 kV MSETCL Borivili-Gorai-2 transmission line (10.5 km) from MSETCL Borivili EHV sub-station to Gorai EHV sub-station
7. 220 kV TPC Borivili-RInfra Borivili-1 transmission line (0.5 km) from TPC Borivili EHV sub-station to RInfra Borivili EHV sub-station
8. 220 kV RInfra Borivili-Aarey-1 transmission line (12 km) from RInfra Borivili EHV sub-station to Aarey EHV sub-station



9. 220 kV MSETCL Borivili-R Borivili-1 transmission line (3.5 km) from MSETCL Borivili EHV sub-station to RInfra Borivili EHV sub-station
10. 220 kV MSETCL Borivili-R Borivili-2 transmission line (3.5 km) from MSETCL Borivili EHV sub-station to RInfra Borivili EHV sub-station
11. 220 kV Chembur-Trombay-1 transmission line (8.5 km) from Chembur EHV sub-station to MSETCL Trombay EHV sub-station
12. 220 kV Chembur-Trombay-2 transmission line (8.5 km) from Chembur EHV sub-station to MSETCL Trombay EHV sub-station
13. 220 kV MSETCL Boisar-Ghodbunder-1 transmission line (4 km) from MSETCL Boisar EHV sub-station to Ghodbunder EHV sub-station
14. 220 kV Ghodbunder-MSETCL Borivili-1 transmission line (4 km) from Ghodbunder EHV sub-station to MSETCL Borivili EHV sub-station
15. 220 kV Ghodbunder-Dahisar-1 transmission line (6.5 km) from Ghodbunder EHV sub-station to Dahisar EHV sub-station
16. 220 kV Ghodbunder-Dahisar-2 transmission line (6.5 km) from Ghodbunder EHV sub-station to Dahisar EHV sub-station
17. 220 kV Aarey-Nagari-Niwara-1 transmission line (7.5 km) from Aarey EHV sub-station to Nagari Niwara EHV sub-station
18. 220 kV Aarey-Nagari-Niwara-2 transmission line (7.5 km) from Aarey EHV sub-station to Nagari Niwara EHV sub-station
19. 220 kV Nagari Niwara-MSETCL Borivali-1 transmission line (7.5 km) from Nagari Niwara EHV sub-station to MSETCL Borivali EHV sub-station
20. 220 kV Nagari Niwara-MSETCL Borivali-2 transmission line (7.5 km) from Nagari Niwara EHV sub-station to MSETCL Borivili EHV sub-station
21. 220 kV Aarey-Airport-1 transmission line (5 km) from Aarey EHV sub-station to Airport EHV sub-station
22. 220 kV Aarey-Airport-2 transmission line (5 km) from Aarey EHV sub-station to Airport EHV sub-station
23. 220 kV Airport-Golibar-1 transmission line (6 km) from Airport EHV sub-station to Golibar EHV sub-station
24. 220 kV Airport-Golibar-2 transmission line (6 km) from Airport EHV sub-station to Golibar EHV sub-station



**Proposed System – List of EHV Substation Bays**

1. 2 No. of 220 kV bays at 220 kV Aarey EHV sub-station
2. 9 No. of 220 kV bays at 220 kV Gorai EHV sub-station
3. 11 No. of 220 kV bays at 220 kV RInfra Borivili EHV sub-station
4. 9 No. of 220 kV bays at 220 kV Chembur EHV sub-station
5. 6 No. of 220 kV bays at RInfra Ghodbunder EHV sub-station
6. 11 No. of 220 kV bays at 220 kV Dahisar EHV sub-station
7. 9 No. of 220 kV bays at 220 kV Nagari Niwara EHV sub-station
8. 10 No. of 220 kV bays at 220 kV Airport EHV sub-station
9. 8 No. of 220 kV bays at 220 kV Golibar EHV sub-station
10. In addition to the aforesaid sub-stations, there would be sub-stations of MSETCL at Borivili and MSETCL Trombay where Bays owned by RInfra are proposed. There would be 12 Nos. of such Bays.

**NOTE:**

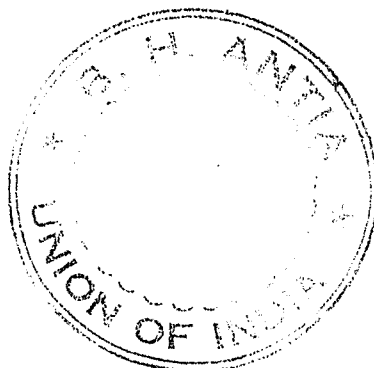
1. The Transmission Licensee shall execute Connection Agreements with the other Licensees regarding the interconnection points of the above lines / sub-station bays, defining and documenting therein the exact details of the boundaries and interface points.

**4. Commencement and term of licence**

The Licence shall come into force from 16<sup>th</sup> August 2011 and, unless revoked earlier by the Commission in accordance with the provisions of Section 19 of the Electricity Act, 2003 shall remain in force for the period specified under sub-section (8) of Section 15 of the Electricity Act, 2003

**5. Duties**

- 5.1. The Transmission Licensee shall comply with all the applicable provisions of the Electricity Act, 2003, the rules prescribed thereunder and all regulations, orders and directions issued by the Commission from time to time.
- 5.2. The Transmission Licensee shall as soon as practicable, report to the Commission:-
  - a) any significant change in its circumstances which may affect the Transmission Licensee's ability to meet its obligations under the Electricity Act, 2003 , the rules





and regulations thereunder, directions and orders issued by the Commission, agreements or the Licence;

- b) any material breach, or likelihood thereof, of the provisions of the Electricity Act, 2003, the rules and the regulations thereunder, directions and orders issued by the Commission, agreement or the Licence, which was reasonably within his knowledge, along with the reasons there for, as soon as practicable; and
- c) any change in management control or major change in the shareholding pattern of the Transmission Licensee.

Explanation I – for the purpose of this clause, “management control” shall include the right to appoint majority of the directors or to control the management or policy decisions of the Transmission Licensee, including by virtue of shareholding or management rights or shareholders’ agreement or partnership deed or trust deed or voting agreement or in any other manner;

Explanation II – for the purpose of this clause, “major change in shareholding pattern” shall mean the acquisition, by such person as specified in Regulation 7 of the Securities and Exchange Board of India (Substantial Acquisition of Shares and Takeovers) Regulations, 1997, as in force from time to time, of such per cent of shares or voting rights in the Transmission Licensee as would entail a disclosure under sub-regulation (1) of that Regulation.

- 5.3. The Transmission Licensee shall seek the approval of the Commission before creating any encumbrance on the assets of the Licensed Business, except where such encumbrance is created for the purpose of the Licensed Business.
- 5.4. The Transmission Licensee may engage any of its subsidiaries or holding company or a subsidiary of such holding company to provide any goods or services to the Transmission Licensee in connection with the Licensed Business, subject to the following conditions and in compliance with the stipulations under “Part III: Specific Conditions of Licence”:
- a) that the transaction shall be undertaken on an “arm’s-length basis” and at a value that is fair and reasonable in the circumstances, which for the purposes of this clause, shall mean with respect to any specific transaction, substantially on terms that would be obtained between the Transmission Licensee and a third party unrelated to and unconnected with the Transmission Licensee;
  - b) that the Transmission Licensee shall report to the Commission, for each financial year, the details of all transactions of the nature referred to in this Regulation entered into during the financial year;



- c) that the Transmission Licensee shall submit to the Commission, for each financial year, a certificate from a Chartered Accountant as regards compliance with the requirement of clause (a) above.

Explanation – for the purpose of this clause, the terms “subsidiary” and “holding company” shall have the same meaning as under Section 4 of the Companies Act, 1956.

**6. Street Works**

The Transmission Licensee may, undertake works upon any streets or parts of streets, railways, canals or waterways or parts thereof, either in the domain of Central Government, State Government, Semi Government and Municipal bodies or in private domain, only after obtaining all statutory permissions required to be obtained for undertaking such work.

**7. Accounts**

7.1. The financial year of the Transmission Licensee shall run from the first of April to the following thirty-first of March.

7.2. The Transmission Licensee shall, in respect of the Licensed Business and the Other Business:-

- a) keep such Allocation Statement as would be required, so that the revenues, costs, assets, liabilities, reserves and provisions for, or reasonably attributable to the Licensed Business are separately identifiable in the books of the Transmission Licensee;
- b) adopt a fair and transparent cost allocation mechanism for the reasonable allocation of joint and common costs between the Licensed Business and the Other Business;
- c) prepare on a consistent basis the Accounting Statements in accordance with the provisions of the Companies Act, 1956 and/or the standards or guidelines of the Institute of Chartered Accountants of India.

Explanation – References in this Licence Condition 7.2 to costs or liabilities of, or reasonably attributable to Licensed Business or Other Business shall be construed as excluding taxation, and capital liabilities which do not relate principally to such Business and interest thereon..

7.3. The Transmission Licensee shall upon request by any person make available a copy of its Accounting Statements to any person who may require it at a reasonable price not to exceed the photocopying charges.

**8. Provision of Information to the Commission**

The Transmission Licensee shall furnish to the Commission such information, documents and details related to the Licensed Business and/or the Other Business of the Transmission Licensee as the Commission may require.



## 9. Licence Fees

During the period the licence is in force the Transmission Licensee shall, by the 10th of April of every year, or such further period as the Commission may allow, pay to the Commission such licence fees as may be specified in MERC (Fees and Charges) Regulations, 2004 under Clause 3 of Schedule 1, which is reproduced below, or any subsequent amendments thereof:

S. No. (1)	Description (2)	Fees in Rupees (3)
3.	<p><i>Annual Licence Fees for :</i></p> <p><i>(i) Transmission Licence.....</i></p> <p><i>Provided that the annual licence fee shall be payable in advance, at the commencement of the financial year, by all Licensees, including licensees referred to in the first, second, third, fourth and fifth provisos to Section 14 of the Act:</i></p> <p><i>Provided further that in the case of a Transmission Licence, the annual licence fee shall be calculated based on the approved/ estimated aggregate quantum of transmission capacity contracts for the ensuing financial year:</i></p> <p>.....</p> <p>.....</p>	<p><i>Rs 1,000 per MW of Transmission capacity contracts in force during the year or part thereof, subject to a minimum of Rs 1,00,000 and maximum of Rs 20,00,000</i></p>

## 10. Decision on Interpretation of Licence

The interpretation of the Licence and the terms and conditions thereof shall be as determined by the Commission.

## 11. Construction of Transmission System through Competitive Procurement Basis

11.1. The Transmission Licensee shall comply with the procedure for obtaining authorization under Section 164 of the Electricity Act, 2003. Accordingly, the licensee shall cause the transmission scheme to be published in the Official Gazette of GOM and in at least two local daily newspapers along with a notice of the date, not being less than two months after the date of such publication, before which any interested person may make a representation on such scheme. The licensee shall take into consideration the objections/



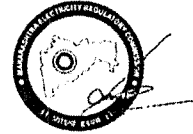
representations, before finalizing the optimal route alignment. Thereafter the licensee shall submit a certificate along with an application under Section 164 to the GOM.

11.2. The licensee shall obtain all the necessary permits, Statutory Clearances such as the clearance of Ministry of Environment and Forests, Right of way clearance etc and shall organise the construction management, cash flow and Investment plan in such a way so as to optimise on all the costs and interest thereon.

11.3. The construction and commissioning of the transmission system shall be executed through suitable packages, and contracts for these packages shall be awarded through Competitive Bidding basis. The licensee shall ensure that the contractors hired for the purpose possess the necessary specialised skills for satisfactory execution of jobs awarded.

## 12. Capital Expenditure

The licensee shall carry out the capital expenditure plan as approved by the Commission in the Business Plan as per MERC (Multi Year Tariff) Regulations, 2011. The licensee shall also execute the approved capital expenditure as far as possible within the stipulated time-frame as approved by the Commission.



(K.N. Khawarey)  
Secretary, MERC

**Maharashtra Electricity Regulatory Commission, Mumbai**

**Dated: August 11, 2011**



Page 9 of 9

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*Dr. Karan Chavhan*  
— Partner

Annexure 2

## MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.

PHONE : (O) 022-2659 5124  
(P) 022-2659  
FAX : 022- 2659 2297  
E-Mail : [cestu@mahatransco.in](mailto:cestu@mahatransco.in)



Office of the  
Chief Engineer (STU)  
'Prakashganga', MSETCL  
Plot no. C-19, E-Block,  
Bandra Kurla Complex, Bandra (E),  
Mumbai -- 400051

NO/MSETCL/CO/STU/ 2426

Date-15.02.2013

✓ To,

Addl Vice President  
Reliance Infrastructure Limited  
220 KV Aarey EHV Sub station  
Off Jogeshwari Vikrohli Link Road,  
Opp SEEPZ Gate no.3,  
Goregaon E, Mumbai-400065

Sub: In-principle Connectivity for interconnection of 220 KV R-Infra Saki EHV Sub Stations with TPC Saki EHV Sub-Station

- Ref: 1) R-Infra-TD-40/SGH/2011 dated 3<sup>rd</sup> July-2012  
2) MSETCL/CO/STU/302 B/10279 Dated 16.07.2012 (STU letter to TPC)  
3) R-Infra-TD-59/SGH/2012 dated 30.08.2012 (R-Infra Letter to TPC)  
4) R-Infra-TD-71/SGH/2012 dated 08.10.2012 (R-Infra reminder letter to STU)  
5) Section 13 of the Maharashtra (State Grid Code) Regulations, 2006  
6) RInfra-TD-77/SGH/2011 Dated 20.11.2012

Dear Sir,

This has reference to your connectivity application cited under ref (1) vide which you have applied for connectivity of your 220 KV substation at Saki with 220 KV substation of TPC. This interconnection is as per STU five year Plan and also recommended in IIT-B report on Partial Grid Disturbance in Mumbai as well as in standing committee report (Dec-2011) on Five year Transmission Plan. In view of above, In-principle connectivity of 220 KV R-Infra Saki substation with 220 KV TPC Saki substation is hereby granted subject to compliance of following points

- 1) Connection Agreement between TPC-T and R-Infra-T for interconnection between 220 KV R-Infra Saki substation and 220 KV TPC Saki substation.
- 2) ABT metering installation and commissioning report.
- 3) Communication facility installation report.
- 4) Work completion report as per scope mention below.
  - a) 220 KV D/C interconnection between 220 KV R-Infra Saki substation and 220 KV TPC Saki substation.
  - b) Utilization of existing 220 KV GIS bays at R-infra Saki-2 Nos.
  - c) Utilization of 220 KV GIS bays at Tata Power Saki-2 Nos.

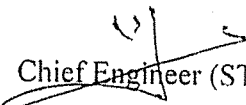


After compliance of above points, Chief Engineer (STU) shall grant final connectivity which shall be governed by

- 1) State Grid Code Regulations 2006
- 2) Indian Electricity Grid Code December-2005
- 3) Indian Electricity Act 2003

Thanking you.

Yours sincerely,

  
Chief Engineer (STU)

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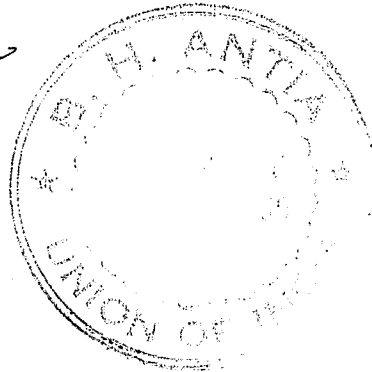
- 1) Director (Operations), MSETCL, Prakashganga.
- 2) Executive Director (Operations), MSETCL, Prakashganga.

Copy fwcs to-

- 1) Tata Power Company Ltd , Power system control centre, Trombay Thermal Power station ,Mahul Road ,Chembur, Mumbai-400074, Fax no-67175385.  
220 KV bays (2 Nos) at your 220 KV Saki Substation should be allotted to R-Infra-T for said interconnection.
- 2) The Chief Engineer, MSLDC, Thane Belapur Road, P.O Airoli, Navi Mumbai, Pin-400708

**True Copy**  
Mulla & Mulla & Craigie Blunt & Caroe

*Sanjiv*  
Partner



Annexure 3


**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.**

 PHONE : OFFICER GEN. STAFF  
 022-2659 8588 C.E.(STU) 2659 8595

 FAX.: 022-2659 2297  
 GRAM.: MUMBAIGRID.

 STATE TRANSMISSION UTILITY,  
 PLOT No.C-19, "E" BLOCK,  
 PRAKASHGANGA,  
 BANDRA - KURLA COMPLEX,  
 BANDRA ( EAST), MUMBAI - 400 051.

MSETCL/CO/CE/STU/ 1217

Date: 29/01/2013

 To,  
 The Secretary,  
 MERC, World Trade Centre,  
 13<sup>th</sup> Floor, Cuff Parade,  
 Mumbai 400 005.

Sub: Inclusion of Scheme in STU plan.

Dear Sir,

With reference to the above subject, it is to state that, following scheme, (pertaining to R infra -T) covered in MMR report, is being included in STU plan as detailed below.

Sr No.	Name of scheme	Year of commissioning	Remarks
1	Inter connection of 220 kV Saki (Tata Power) - Saki (R infra -T)	December 2014	Implemented by R infra (T)

Submitted for information please.

Thanking you,

Yours faithfully

  
 CHIEF ENGINEER (STU)

Copy f. w. c. to:

- (1) M/s Reliance Infrastructure Ltd., 220 kV Aarey Receiving Station, D. Desai Road, Goregaon (East) Mumbai 400 065.
- 2) M/s Tata Power Company Ltd. Engineering Department, "B Block", Corporate Centre, Sant Tukaram Road, Carnac Bunder, Masjid, Mumbai 400 009.

STU PLAN (7)

 True Copy  
 Mulla & Mulla & Craige Blunt & Caroe

  
 Partner




# महाराष्ट्र विद्युत नियामक आयोग

## Maharashtra Electricity Regulatory Commission

MERC/CAPEX/2013-14/ 01323

Date: 30 September, 2013

To

The Director,

R-Infra Ltd., Reliance energy centre,

Devidas lane, off SVP Road

Near Devidas Telephone Exchange

Borivali West, Mumbai 400 092

**Sub:- In-principle approval for 220 kV cable interconnection link between 220 kV R-Infra-T Saki sub-station to 220 kV TPC-T Saki EHV substation.**

**Ref:** RInfra-T submission vide letter no RInfra-T/MERC/DPR/FY13-14/RInfra-TPC Saki/002 dated 17 July, 2013.

Sir,

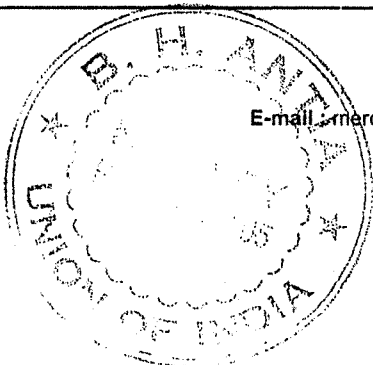
This has reference to the DPR for the captioned scheme submitted by RInfra-T vide letter dated 17 July, 2013.

The scheme has been evaluated with reference to the guidelines circulated by the Commission on 9 February, 2005 and license issued by the Commission vide its Order dated 11 August, 2011 for the period of 25 years. I am directed to convey in-principle clearance of the above scheme.

1. This in-principle approval is subject to filing of Petition by RInfra-T for amendment of its transmission license no.1 of 2011 for inclusion of the said scheme and subsequent approval of the Commission.
2. The brief particulars of the scheme for 220 kV cable interconnection between RInfra-T Saki to TPC-T Saki EHV substation as approved in principle are outlined in the Annexure-A.
3. Please note that this revised in-principle clearance should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during tariff determination process / ARR review, particularly in the context of actual cost incurred, scope and objective achieved etc. ex-post after implementation of the scheme. RInfra-T will be required to submit the status of implementation of the scheme with cost incurred

१३वा मजला, केंद्र क्र. १, जागतिक व्यापार केंद्र, कफ परेड, कुलाबा, मुंबई - ४०० ००५.  
13<sup>th</sup> Floor, Centre No. 1, World Trade Centre, Cuffe Parade, Colaba, Mumbai - 400 005.  
Tel.: 022-2216 3964 / 2216 3965 / 2216 3969 Fax : 022-2216 3976

E-mail: [mercindia@merc.gov.in](mailto:mercindia@merc.gov.in) / [mercindia@mercindia.org.in](mailto:mercindia@mercindia.org.in) Website : [www.merc.gov.in](http://www.merc.gov.in) / [www.mercindia.org.in](http://www.mercindia.org.in)

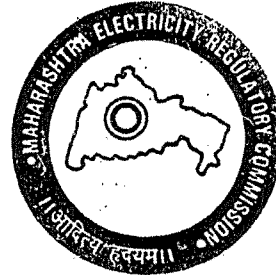




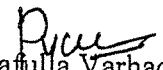
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till date, likely completion date along with their ARR Petition or during the tariff determination process at the appropriate time.

4. RInfra-T should submit half yearly report giving the status of implementation of the scheme in terms of expenditure incurred and item wise physical progress achieved during the implementation of the scheme.
5. Immediately after completion / commissioning of the scheme, R-Infra-T should communicate to the Commission, the date of completion of the scheme, actual cost incurred, escalation in cost, if any with reasons, the scope and objectives of the scheme and to what extent they have been achieved, etc. so as to facilitate a comparison between the in-principle clearance and the actual.



Yours Faithfully,

  
(Prafulla Varhade)  
Director (EE), MERC

**Encl: Annexure-A, Appendix A & B**

**C.c. to**

**Prayas Energy Group,**  
Amrita Clinic, Athawale Corner,  
Lakdipool-Karve Road Junction,  
Deccan Gymkhana, Karve Road,  
Pune - 411 004.

**The President**  
Vidarbha Industries Association,  
1<sup>st</sup> Floor, Udyog Bhavan, Civil Lines,  
Nagpur - 440 001

**The President,**  
**Mumbai Grahak Panchayat,**  
Grahak Bhavan,  
Sant Dnyaneshwar Marg,  
Behind Cooper Hospital,  
Vile Parle (West),  
Mumbai - 400 056.

**Shri. A. D. Mahajan**  
**Senior Manager,**  
SICOM Ltd, Nirmal,  
1<sup>st</sup> Floor, Nariman Point,  
Mumbai - 400 021

**The General Secretary,**  
**Thane Belapur Industries Association,**  
Plot No.P-14, MIDC,  
Rabale Village, PO Ghansoli,  
Navi Mumbai 400 701.

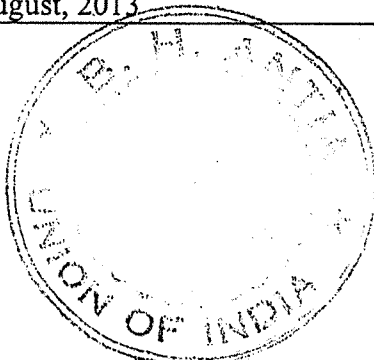


**ANNEXURE - A**

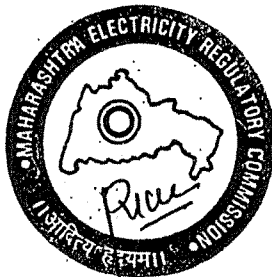
**Summary Appraisal of R-Infra-T's Scheme for  
220 kV Cable Interconnection between RInfra-Saki to TPC-Saki EHV  
substation.**

**A. Particulars furnished in DPR by R-Infra-T**

<p><b>1. a) Name of the Scheme</b> <b>b) Scheme code no.</b></p>	<p>220kV Cable Interconnection between RInfra-Saki to TPC-Saki EHV Station. REL-T/FY13/03</p>
<p><b>2. Total Estimated Cost</b></p>	<p>Rs.41.60 Crore. (Phase wise break up of cost as per Appendix A)</p>
<p><b>3. ROI / Cost benefit</b></p>	<p>No direct monetary benefits. Help to improve the reliability of supply and stability of the grid.</p>
<p><b>4. Brief Scope of Work</b></p>	<p>A. Utilization of 2 nos. 220 KV GIS at TPC-T Saki EHV station (which were earlier allocated for TPC Versova) B. Laying of 6 X 1/C, 1200 Sq. mm 220 KV cable link between 220 KV RInfra-T Saki and TPC-T Saki EHV substation (Approx. Route length 1.5 KM) C. Utilization of 2 nos of 220 KV GIS bays at RInfra-T Saki EHV station.</p>
<p><b>5. a) Objective</b></p>	<p>a. Scheme will relieve load on lines between RInfra-T Aarey and RInfra-T Borivali / TPC-T Borivali b. Scheme will ensure to keep lines loading in reasonable limit, in contingencies like  <ul style="list-style-type: none"> <li>• One line tripping between RInfra-T Aarey to RInfra-T Borivali</li> <li>• Line tripping between MSETCL-Kalwa and TPC-T Salsette</li> </ul> c. RInfra-T Saki currently is radial fed station, will get another feeding point. d. Additional connectivity with MMR Network (MSETCL-Boisar, MSETCL-Borivali, MSETCL-Trombay, TPC-T Borivali, TPC-T Saki) will improve network stability. e. Scheme has been recommended for network stability by  <ul style="list-style-type: none"> <li>• IIT-Bombay report on Partial Grid Disturbance (June 11)</li> <li>• Standing Committee (constituted by MERC) report on 5 Year plan for Mumbai Metropolitan Region (Dec 11)</li> <li>• MERC Business Plan Order of RInfra-T in Case no 159 of 2011.</li> <li>• MERC Order in case no 120 of 2013 dated 23 August, 2013</li> </ul> </p>



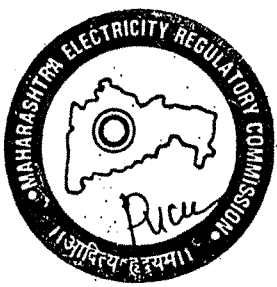
<b>b) Justification</b>	Establishment of this connectivity of the cable link between the RInfra-T Saki and TPC-T Saki 220 KV substation will relieve the load on existing RInfra Aarey to RInfra-T Borivali line. Also there will be load relief to existing MSETCL Kalwa to TPC-T Salsette line which is presently loaded above SIL. This will also help in case of contingency like in case of tripping of RInfra-T Aarey to RInfra-T Borivali line.
<b>6. Alternatives considered</b>	<ol style="list-style-type: none"> <li>1. Construction of 220 KV D/C overhead lines between RInfra-T Saki and TPC-T Saki EHV was considered but as per the feasibility report Both the EHV station are situated at the congested locality. These locations are densely populated, heavy traffic prone and high rise buildings, the ROWS for the overhead line is not feasible.</li> <li>2. Construction of LILO of existing Aarey-Saki line at TPC-T Saki EHV station was carried out. But due to the rapid increasing electricity demand and considering the future load growth, the loading of the single circuit between RInfra-T Saki to TPC-T Saki will not meet the grid code criteria 9.2 and in case of contingences the grid stability will not be sustainable.</li> <li>3. Interconnection of RInfra-T Saki to TPC-T Saki through underground 220 KV cable was preferred because RInfra-T Saki was already commissioned with the provision of 220 KV GIS Bays for future connectivity. TPC-T Saki EHV station is having connectivity from Salset EHV station. Further TPC had planned to interconnect their Saki station with TPC Versova EHV station for further strengthening of their network. Therefore in order to provide the 220 KV D/C interconnection between TPC-T Saki and RInfra-T Saki the 220 KV bays proposed for TPC-T Versova connectivity may be utilized.</li> </ol>
<b>7. Funding Arrangement</b>	It is proposed to fund the project from internal resources and by borrowing from reputed lending institution.



<b>8. Time frame phasing of expenditure</b>	<b>Year</b>	<b>Expenditure</b>
	2012-13	Rs 0.49 Cr.
	2013-14	Rs. 12.79 Cr.
	2014-15	Rs. 28.32 Cr.
	-----	
<b>Total</b>	<b>Rs. 41.60 Cr.</b>	

**B) Observations/Comments on DPR**

<b>Prudence of Investment Technical Justification</b>	Peak demand of Aarey substation has already crossed firm capacity and additional transformation capacity is no more feasible, due to space constraints. This will enhance stability and reliability if InSTS network. This scheme will provide alternate connectivity to RInfra-T 220 KV Saki EHV Substation and also TPC Saki and TPC-T Airport EHV stations. The scheme will ensure to keep lines loading in reasonable limit like one line tripping between RInfra-T Aarey to RInfra-T Borivali and Line tripping between MSETCL-Kalwa and TPC-T Salsette.
<b>Reasonability of the cost estimate</b>	Rates are as budgetary quotations collected by RInfra-T.
<b>Comments on Cost benefit analysis</b>	No direct monetary benefit is envisaged
<b>Discrepancy / short coming observed</b>	Replied by RInfra-T
<b>Remarks / specific comments, if any</b>	The scheme will provide the relief to the RInfra-T Aarey-RInfra-T Borivali. Also there will be load relief to existing MSETCL Kalwa - TPC-T Salsette line. This line will further help in case of contingency like case of RInfra-T Aarey - MSETCL Borivali line.

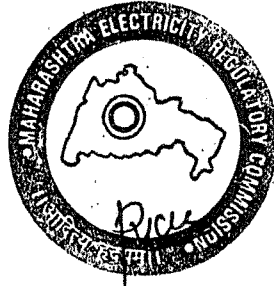


**Appendix "A"**

Scheme for  
220 KV Cable Interconnection between RInfra-T Saki to TPC-T Saki EHV Station.

**Abstract of Cost Estimate**

S. N.	Description	Cost Rs. In Lacs	Total Cost Rs. In Lacs
1	A 220 KV 1/C 1200 Sq.mm cables from 220 KV RInfra-Saki EHV substation to 220 KV TPC-Saki substation (2 Ckts, total 6 runs of cables, each 1.5 KM length)	3593.00	4160
	C Indirect Charges (7.5%)	270.00	
	D Supervision Charges (5%)	193.00	
	E IDC	104.00	
	<b>Total Cost</b>		



Total Cost Rs 41.60 Cr.



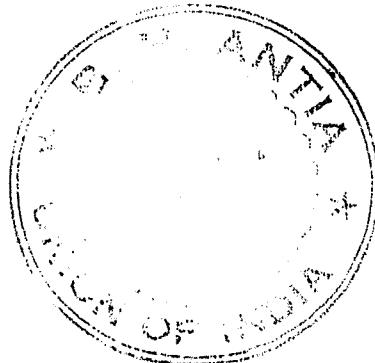
**Appendix "B"**

Scheme for  
Detailed cost estimate for the scheme of 220 kV cable interconnection between RInfra-T  
Saki to TPC-T Saki EHV substation.

INSTALLATION OF 220 KV CABLE INTERCONNECTION BETWEEN RINFRA-T SAKI TO TPC-T SAKI EHV STATION						
A	S.N	DESCRIPTION	Unit	Quantity	Rate (Rs. Lacs)	Total (Rs. Lacs)
	1	220 KV 1/C 1200 Sq.mm cables from 220 KV RInfra-Saki EHV substation to 220 KV TPC-Saki substation (2 Ckts, total 6 runs of cables, each 1.5 KM length)	M	9000	0.20	1823.00
	2	220 KV Cable Joints & Terminations	Set	30	23.72	711.00
	3	Excavation and Reinstatement Charges	M	1500	0.45	671.00
	5	Cable laying Charges	M	9000	0.01	58.00
	8	SCADA system (Modification in Control & Protection System at TPC Saki)	No	1	330.00	330.00
	<b>10</b>	<b>Sub Total (A)</b>				<b>3593.00</b>
	12	Indirect Charges (7.5%)				270
	13	Supervision Charges (5%)				193
	14	IDC				104
	<b>15</b>	<b>Sub Total (B)</b>				<b>567</b>
	<b>16</b>	<b>Total Cost (A+B)</b>				<b>4160</b>



Total Cost Rs. 41.60 Cr.



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## BEFORE THE MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

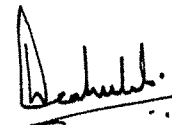
PETITION NO. OF 2015

Reliance Infrastructure Limited ..... Applicant/Petitioner

**AFFIDAVIT**

I, Sujit Rao, of Mumbai Indian Inhabitant, the Dy. General Manager (Legal) of the Applicant/Petitioner abovenamed, having my registered office at H Block, 1<sup>st</sup> Floor, Dhirubhai Ambani Knowledge City, Navi Mumbai 400 710, do hereby solemnly affirm and state as follows:-

1. That I am constituted attorney of the Applicant/Petitioner herein and am well aware of the facts and circumstances of the present case. I say that I have been duly authorized and also capable of affirming this affidavit on behalf of the Petitioner.
2. I say and submit that I have read the accompanying Petition on behalf of the Applicant/Petitioner and have understood the contents thereof. I say that the contents therein are true and correct to the best of my knowledge and belief and on the basis of records and the submissions made are correct and proper as advised.




Deponent



VERIFICATION

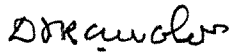
I, Sujit Rao, the above named Deponent do hereby verify that the contents of this affidavit are true and correct to my knowledge, no part of it is false and nothing material has been concealed therefrom.

Verified by me on this 30<sup>th</sup> day of January, 2015 at Mumbai.



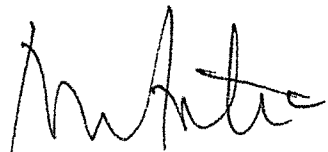
Deponent

Mulla & Mulla & Craigie Blunt & Caroe



Partner  
Advocates for the Applicant/Petitioner

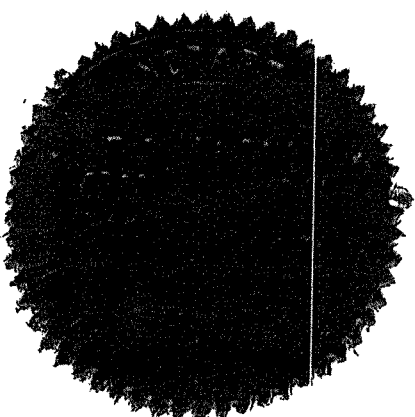
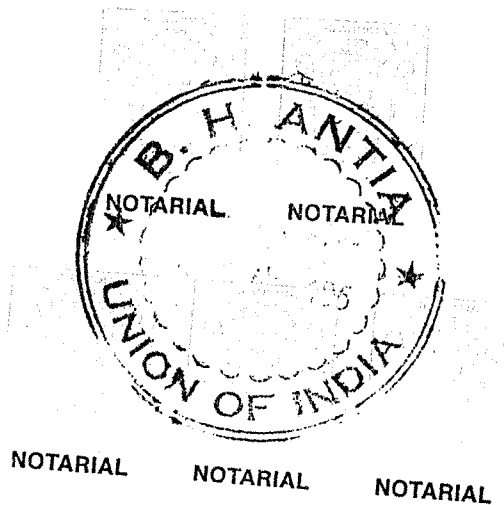
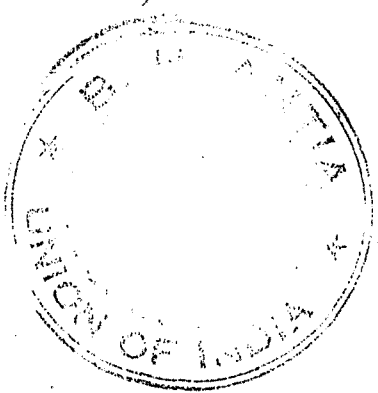
BEFORE ME



**B. H. ANTIA**  
NOTARY  
UNION OF INDIA  
Notary Reg No 105

30 JAN 2015

Sr. No. 156/2015



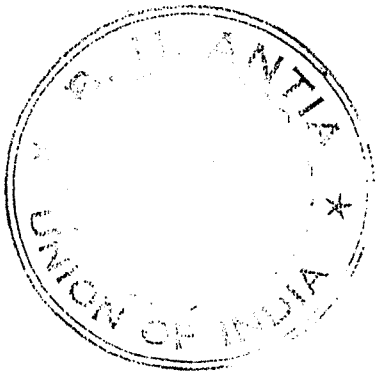


BEFORE THE MAHARASHTRA ELECTRICITY REGULATORY  
COMMISSION  
PETITION NO. OF 2015

Reliance Infrastructure Ltd ...Petitioners

**PETITION**

Dated this 2<sup>nd</sup> day of February, 2015



Mulla & Mulla & Craigie Blunt & Caroe  
Advocates for the Petitioner  
Mulla House  
51, M.G. Road, Fort  
Mumbai-400 001.

BEFORE THE MAHARASHTRA ELECTRICITY  
REGULATORY COMMISSION  
MUMBAI

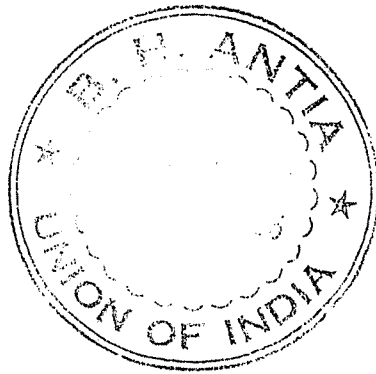
CASE NO. OF 2015

Reliance Infrastructure Ltd

...Petitioner

VAKALATNAMA

Dated this 2<sup>nd</sup> day of February, 2015



Mulla & Mulla & Craigie Blunt & Caroe  
Advocates for the Petitioner  
Mulla House, 51, M.G. Road, Fort,  
Mumbai 400 001

BEFORE THE MAHARASHTRA ELECTRICITY REGULATORY  
COMMISSION

PETITION NO. OF 2015

Reliance Infrastructure Ltd ...Petitioners

**AFFIDAVIT IN SUPPORT**

Dated this 2<sup>nd</sup> day of February, 2015



Mulla & Mulla & Craigie Blunt & Caroe  
Advocates for the Petitioner  
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51, M.G. Road, Fort  
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