

# Vidarbha Industries Power Limited - Transmission

Petition towards:

*Application for Grant of Transmission License*

Filed with

Maharashtra Electricity Regulatory Commission

# RELIANCE

**Vidarbha Industries  
Power Limited**

CIN: U23209MH2005PLC158371

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Mumbai 400 001  
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Ref: VIPL/MUM/Apr 14/MERC/38

Date: 25<sup>th</sup> April, 2014

To,  
The Principal Secretary,  
Maharashtra Electricity Regulatory Commission,  
13<sup>th</sup> Floor, Centre No.1,  
World Trade Centre,  
Cuffe Parade, Mumbai – 400 005

**Sub:** Submission of Revised Petition of VIPL-T for Grant of Transmission License in **Case No 60 of 2014.**

**Ref:**

1. VIPL Petition in Case No 60 of 2014 vide letter ref no VIPL/MUM/Apr 14/MERC/07 dated February 20, 2014.
2. Technical Validation Session held on April 15, 2014

Respected Sir,

Vidarbha Industries Power Limited (VIPL) had submitted a Petition vide reference (1) for Grant for Transmission License for the transmission assets interconnecting the generating station of VIPL to the Intra-State Transmission System, along with determination of Aggregate Revenue Requirement (ARR) for the Multi-Year Tariff Period upto FY 15-16 for the said transmission business.

Hon'ble Commission vide reference (2), directed VIPL to revise the Petition so as to pray for Grant of Transmission License only. Accordingly, VIPL hereby submits, under affidavit, its revised Petition as directed.

Thanking you,

Yours faithfully,

For **Vidarbha Industries Power Limited**

  
Authorised Signatory

**Encl:** – One Original + 6 Duplicate Copies of the Revised Petition and 1 CD



MERC

**MAHARASHTRA ELECTRICITY REGULATORY COMMISSION**

Centre 1, 13th Floor, World Trade Centre, Cuffe Parade, Colaba,  
Mumbai - 400 005.

**ORIGINAL COPY**  
(Not Transferable)

RECEIPT NO. 4350

DATE 21/2/14

Received with thanks from Vidarbha Industries Power Ltd.

the sum of Rs. 15,00,000/- (Rs. Fifteen lakh only &

Five lakh only) in full / part / balance payment on account  
of grant of Transmission License, ARR - 2014-15

by Cash / Cheque / Demand Draft / Pay Order No. 0618462062331 dated 11.02.14 &

drawn on Axis Bank Ltd.

*Armed*  
Seal & Signature

Note : This receipt is valid subject to realization of cheque/demand draft/pay order.

**Before the Hon'ble Maharashtra Electricity Regulatory Commission, Mumbai**

Filing No. \_\_\_\_\_

Case No. \_\_\_\_\_

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**Before the Hon'ble Maharashtra Electricity Regulatory Commission, Mumbai**

Filing No. \_\_\_\_\_

Case No. \_\_\_\_\_

**IN THE MATTER OF**

PETITION WITH REGARD TO APPLICATION FOR GRANT OF TRANSMISSION LICENSE FOR TRANSMISSION BUSINESS OF VIDARBHA INDUSTRIES POWER LIMITED, UNDER SECTION 14 SECTION 15 AND SECTION 86 OF THE ELECTRICITY ACT 2003 AND MERC (TRANSMISSION LICENSE CONDITIONS) REGULATIONS, 2004 AND ITS SUBSEQUENT AMENDMENTS IN MERC (TRANSMISSION LICENSE CONDITIONS) REGULATIONS, 2006

**AND**

**IN THE MATTER OF**

VIDARBHA INDUSTRIES POWER LIMITED

H-BLOCK, 1<sup>st</sup> FLOOR,

DHIRUBHAI AMBANI KNOWLEDGE CITY,

NAVI MUMBAI 400 710

-----The Petitioner

The petitioner, Vidarbha Industries Power Limited (hereinafter being referred as 'VIPL'), a company incorporated under the provisions of the Indian Companies Act, 1956 having its registered office at H-Block, 1<sup>st</sup> Floor, Dhirubhai Ambani Knowledge City, Navi Mumbai 400 710, is filing this Application seeking 'Grant Of Transmission License for Transmission Business of Vidarbha Industries Power Limited (hereinafter referred as 'VIPL-T')

VIPL - T is submitting the present petition in accordance with the following relevant Sections of the Electricity Act 2003 and MERC Regulations:

- Section 14 read with Section 15 (2) and Section 15(3) & Sections 86 of Electricity Act, 2003
- Chapter II read with Chapter III of the MERC (Transmission License Conditions) Regulations 2004

**A. Facts of the Case:**

- A1. VIPL, a Special Purpose Vehicle (SPV) fully owned by Reliance Power Limited, has established a 600 MW (i.e. 2 x 300 MW each) thermal generating station at Butibori location near Nagpur in the State of Maharashtra. VIPL approached Reliance Infrastructure Limited – Distribution (hereinafter referred as Rinfra-D) for procurement of entire 600 MW from its power station to serve the energy requirement of its consumers in its License area in Mumbai.
- A2. Rinfra – D and VIPL submitted the petition in Gase No 2 of 2013 for Approval of Power Purchase Agreement (hereinafter referred as "PPA") between Rinfra-D and VIPL for purchase of 600 MW from VIPL's Butibori plant and Determination of Provisional tariff for VIPL. Hon'ble Commission vide its Order dated 20<sup>th</sup> February 2013, approved the PPA for procurement of 300 MW from Unit 2 and directed the parties to approach Maharashtra Industrial Development Corporation (MIDC) for obtaining "No Objection" for procurement of remaining 300 MW from Unit 1. In the said order, the

Hon'ble Commission, while defining the "interconnection point" of the power station, directed the applicant to comply with the definition of interconnection point as given in its Order in Case No 34 of 2007 dated 13<sup>th</sup> November 2007. In this Order, the Hon'ble Commission defined evacuation arrangement including transmission lines for generating project to be a part of InSTS network and transmission pricing to be worked out as per MERC Transmission Pricing framework. Accordingly, VIPL was directed to approach the Hon'ble Commission for grant of transmission license for such evacuation arrangement set up.

- A3. The Petitioner, post 'No Objection' from MIDC, filed subsequent application for approval of PPA for remaining 300 MW from Unit 1 of the VIPL's power station. The Hon'ble Commission, vide its Order dated 19<sup>th</sup> July, 2013 Case No: 76 of 2013 in the aforesaid proceedings, accorded approval of PPA for remaining 300 MW (i.e., Unit 1) and also approved the Consolidated Agreement combining the PPA of individual units (i.e. Unit 1 and Unit 2), as if electricity being supplied from VIPL's power station.
- A4. Pursuant to the directive of the Hon'ble Commission in aforesaid Order in Case No 2 of 2013, the Petitioner submitted an application on 20<sup>th</sup> February 2014, for grant of transmission license, approval of provisional revenue gap for FY 2012-13 and FY 2013-14 and Aggregate Revenue Requirement (ARR) for FY 2014-15 and FY 2015-16 for transmission business of Vidarbha Industries Power Limited, under section 14, 61 & 62 of the Electricity Act 2003, Part G of MERC (Multi Year Tariff) Regulations 2011 and MERC (Transmission License Conditions) Regulations, 2004. Hon'ble Commission on the said petition raised certain data-gaps vide its email dated 11<sup>th</sup> April 2014, the same were duly complied by the petitioner vide its letter reference no VIPL/MUM/Apr 14/MERC/37 dated 14<sup>th</sup> April 2014. Subsequent to the datagaps, the Hon'ble Commission has conducted a Technical Validation Session (i.e. "TVS") on 15<sup>th</sup> April 2014. In the said TVS, the Hon'ble Commission has directed the Petitioner to revise the petition to include the content and prayer specific to grant of transmission license only and further directed the Petitioner to subsequently submit the petition for approval of Capital Expenditure, ARR and Provisional Revenue Gap or Final Truing Up.

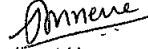
#### **B. Submission:**

- B.1 In view of above, VIPL is submitting the present petition before the Hon'ble Commission, seeking grant of transmission license for the interconnecting transmission arrangement established for evacuation of power from the generating station.

#### **C. Prayers:**

- C.1 In view of the above facts and circumstances, VIPL-T prays to the Hon'ble Commission to:
1. Admit the petition;
  2. Grant the Transmission License to VIPL;
  3. Pardon the delay in submission of the Transmission License application
  4. Allow additions / alterations / modifications / changes to the Petition at a future date;

5. Condone any inadvertent errors / inconsistencies / omissions / rounding off differences, etc. as may be there in the Petition
6. Allow any other relief, order or direction, as the Hon'ble Commission may deem fit



Shrikant Nene  
Vice President  
Vidarbha Industries Power Limited

Mumbai  
25 April, 2014

## 1. Executive Summary

### A.1 Introduction

Vidarbha Industries Power Limited (hereinafter referred as 'VIPL') is a special purpose vehicle and a subsidiary of Reliance Power Limited. VIPL has established a 600 (2X300) MW coal based power plant in the Butibori area in Nagpur district of State of Maharashtra. VIPL has signed a PPA with Reliance Infrastructure Limited – Distribution (hereinafter referred as RInfra-D) for procurement of entire 600 MW from the station to serve the energy requirement of its consumers in its license area. RInfra-D has filed a petition bearing Case No.2 of 2013 for approval of PPA signed with VIPL. In the same petition, the petitioner requested to approve the provisional capital cost of VIPL as well. Hon'ble Commission vide its Order in Case No 2 of 2013 dated 20<sup>th</sup> February 2013, has approved the PPA for procurement of 300 MW from Unit 2 and accorded conditional approval for procurement of another 300 MW from Unit 1 subject to 'No Objection' from MIDC. In the said Order, the Hon'ble Commission directed to segregate the associated transmission arrangement developed by VIPL to be part of Maharashtra InSTS. Accordingly asked to apply for a transmission license for the transmission arrangement, said directive was pursuant to the Order in Case No 34 of 2007 dated 13<sup>th</sup> November 2007. VIPL subsequently submitted another supplementary application bearing Case No 76 of 2013 for approval of PPA for procurement of 300 MW from Unit 1 after obtaining No Objection from MIDC. Hon'ble Commission vide its Order dated 19<sup>th</sup> July 2013 accorded approval to the PPA and consolidated agreement combining the individual PPA for both the units. Further to this, VIPL submitted another application for provisional tariff determination of VIPL-G segregating the capital cost of transmission assets.

Pursuant to the directive of the Hon'ble Commission in aforesaid Order in Case No 2 of 2013, the Petitioner submitted an application on 20<sup>th</sup> February 2014, for grant of transmission license, approval of provisional revenue gap for FY 2012-13 and FY 2013-14 and Aggregate Revenue Requirement (ARR) for FY 2014-15 and FY 2015-16 for transmission business of Vidarbha Industries Power Limited, under section 14, 61 & 62 of the Electricity Act 2003, Part G of MERC (Multi Year Tariff) Regulations 2011 and MERC (Transmission License Conditions) Regulations, 2004. Hon'ble Commission on the said petition raised certain data-gaps vide its email dated 11<sup>th</sup> April 2014, the same were duly complied by the petitioner vide its letter reference no VIPL/MUM/Apr 14/MERC/37 dated 14<sup>th</sup> April 2014 (i.e. the responses to the datagaps are being attached herewith as Appendix-5). Subsequent to the datagaps, the Hon'ble Commission has conducted a Technical Validation Session (i.e. "TVS") on 15<sup>th</sup> April 2014. In the said TVS, the Hon'ble Commission has directed the Petitioner to revise the petition to include the content and prayer for grant of transmission license and further directed the Petitioner to subsequently submit the petition for approval of Capital Expenditure, ARR and Provisional Revenue Gap or Final Truing Up.

### B.1 Approach and Objective of the Petition

The present petition may be considered as a compliance petition in sync with the directive of this Hon'ble Commission during the TVS conducted on 15<sup>th</sup> April 2014, to apply for the grant of transmission license for the interconnecting transmission arrangement developed by VIPL-T.



### C.1 Transmission License Application

VIPL has constructed 600 MW plant in Butibori location in Nagpur district of State of Maharashtra. VIPL during project implementation had approached the State Transmission Utility i.e., MSETCL, for providing adequate grid connectivity for power evacuation. Consequently, MSETCL had given acceptance for grid connectivity and directed to construct an interconnecting transmission system under its supervision and monitoring. Accordingly an interconnecting transmission system from Unit 1 to MSETCL's substation Butibori III (i.e., Scheme 1) and from Unit 2 to MSETCL's substation Butibori I (i.e., Scheme 2) was tested by an electrical inspector and charged on 29<sup>th</sup> June 2012 and 13<sup>th</sup> June 2013, respectively.

In light of the above facts, the petitioner requests the Hon'ble Commission to grant the transmission license to VIPL for implementing and operating the transmission system. Application for Transmission License along with the required details in accordance with MERC (Transmission License Conditions) Regulations 2004 is being submitted along with this petition.

### D.1 Capital Expenditure Plan

VIPL-T has constructed the interconnecting transmission arrangement from the generating station VIPL-G to respective substations of MSETCL in Butibori location (viz., Butibori I and Butibori III). The capital cost identified for the transmission assets is Rs 28.55 Cr. VIPL submits that transmission system was not envisaged to be developed as separate installation and envisaged to be considered as part of the generating station as a whole. This is the reason why the audited accounts of VIPL have not capitalized the transmission assets in the books. As the CoD of Unit 2 is achieved on 28<sup>th</sup> March 2014, the capitalization of transmission lines was not carried out fully in year 2012-13. However, if the transmission assets are to be considered on standalone basis as part of the InSTS system, both the transmission lines originating from the generating stations and connecting to respective substations of Butibori III and Butibori I, was tested by an electrical inspector and charged on 29<sup>th</sup> June 2012 and 13<sup>th</sup> June 2013, respectively and accordingly the transmission assets of VIPL-T can be deemed to be considered capitalized on respective dates for regulatory purpose.

VIPL further submits that the project was funded as part of financing of the total power station, thus, there is no segregated source wise funding identified towards creation of the transmission assets. However, for the purpose of the Interest rate for the project, the Petitioner submits that interest rate applicable on the Rupee of loan (i.e. Rupee loan borrowing) availed for the VIPL project has been considered for transmission assets, the same is consequential to the fact that foreign external borrowings has been availed primarily for major plant & machinery of the generating units of the VIPL's power station. The estimated capitalization of the assets by the commissioning date of the project is as provided in the table below:

**Table E.1: Capitalisation for Transmission Licensee (in Rs Cr)**

FY 12-13	FY 13-14	FY 14-15	FY 15-16	Total
6.47	22.08	-	-	28.55

## 2. Introduction

### Background

- 2.1. Vidarbha Industries Power Limited (hereinafter referred as 'VIPL') is a special purpose vehicle and a wholly owned subsidiary of Reliance Power Limited. VIPL has established a 600 MW coal based power plant in the Maharashtra Industrial Development Corporation ('MIDC') area in Nagpur district of State of Maharashtra. The power station comprises of two units of 300 MW each and is based on sub-critical technology. It is one of the most compact power plants in the country in terms of land usage for power plant development. VIPL as part of its generating station has also established the associated interconnecting transmission system with MSETCL transmission network for evacuation of power from individual units of its power station (i.e. Unit 1 and Unit 2 of 300 MW each).
- 2.2. VIPL approached Reliance Infrastructure Limited – Distribution (hereinafter referred as Rlnfra-D) for procurement of entire 600 MW from the station to serve the energy requirement of its consumers in its license area of Mumbai and Mira Bhayander municipal area.

### Past Proceedings

- 2.3. To serve the diversified consumers of Mumbai, Rlnfra-D has entered into a PPA with VIPL for supply of power from 1<sup>st</sup> April 2014. Subsequently VIPL submitted a petition to this Hon'ble Commission, bearing Case No 2 of 2013, for approval of PPA and Provisional Tariff Determination of VIPL. Hon'ble Commission vide its Order dated 20<sup>th</sup> February 2013, approved the PPA for procurement of 300 MW from Unit 2 of the Power Station and further directed to approach this Hon'ble Commission after receiving Maharashtra Industrial Development Corporation's (MIDC)'s 'No Objection', in order to make it available for procurement by Rlnfra-D. Upon receipt of 'No Objection' from MIDC, Rlnfra-D and VIPL (hereinafter jointly referred as 'the parties') entered into a PPA for procurement of remaining 300 MW from Unit 1 and subsequently filed an application bearing Case No 76 of 2013 with this Hon'ble Commission. In addition to this, the parties entered into a Consolidated Agreement for supply of power from Unit 1 and Unit 2 to be treated as supply from the Power Station as a whole. This Hon'ble Commission vide its Order dated 19<sup>th</sup> July 2013 has accorded approval on the said long term PPA and Consolidated Agreement for supply commencing from 1<sup>st</sup> April 2014.
- 2.4. This is to be noted that the Hon'ble Commission had issued an Order in Case No. 34 of 2007, dated 13<sup>th</sup> November 2007, wherein the Hon'ble Commission had stated that the evacuation arrangement, *'including the transmission lines connecting a generating station to the transmission grid substation'* will be considered a part of the Intra-State Transmission System of the State of Maharashtra, instead of the same being considered as part of the generating station. While issuing its Order approving the PPA between VIPL and Rlnfra-D in Case No. 2 of 2013 referred above, the Hon'ble Commission referred to its above said Order in Case No. 34 of 2007 and directed to modify the definition of "interconnection point" accordingly.

- 2.5. As a consequence of the above, the transmission lines and other infrastructure forming the evacuation system would form part of the InSTS network of the State of Maharashtra. Accordingly, in order to own and operate the said assets, a separate transmission license would be required by VIPL. Thus, VIPL would be required to obtain an asset specific transmission license from the Hon'ble Commission. Pursuant to the directive of the Hon'ble Commission in aforesaid Order in Case No 2 of 2013, the Petitioner submitted an application on 20<sup>th</sup> February 2014, for grant of transmission license, approval of provisional revenue gap for FY 2012-13 and FY 2013-14 and Aggregate Revenue Requirement (ARR) for FY 2014-15 and FY 2015-16 for transmission business of Vidarbha Industries Power Limited, under section 14, 61 & 62 of the Electricity Act 2003, Part G of MERC (Multi Year Tariff) Regulations, 2011 and MERC (Transmission License Conditions) Regulations, 2004. Hon'ble Commission on the said petition raised certain data-gaps vide its email dated 11<sup>th</sup> April 2014, the same were duly complied by the petitioner vide its letter reference no VIPL/MUM/Apr 14/MERC/37 dated 14<sup>th</sup> April 2014 (i.e. the responses to the datagaps are being attached herewith as Appendix-5). Subsequent to the datagaps, the Hon'ble Commission has conducted a Technical Validation Session (i.e. "TVS") on 15<sup>th</sup> April 2014. In the said TVS, the Hon'ble Commission has directed the Petitioner to revise the petition to include the content and prayer for grant of transmission license and further directed the Petitioner to subsequently submit the petition for approval of Capital Expenditure, ARR and Provisional Revenue Gap or Final Truing Up.

### 3. Approach and Objective of the Petition

- 3.1. The Hon'ble Commission has notified the MERC (Transmission License Conditions) Regulations 2004 specifying the eligibility conditions and procedure for applying for grant of transmission license. In addition, the Hon'ble Commission has issued the MYT Regulations, specifying the terms and conditions of determination of tariff for the Transmission business. In accordance with the said Regulations, VIPL - T is filing this Petition for consideration of the Hon'ble Commission along with the specified formats laid down for providing information for various parameters under consideration. The key aspects of the approach to the filing are discussed below:

#### Framework

- 3.2. Pursuant to the provisions of Electricity Act 2003 (hereinafter referred as 'EA 2003'), VIPL-T is required to submit an application for grant of transmission license and the governing regulations thereof.
- 3.3. As per EA 2003, transmission is a licensed activity and the person willing of transmitting electricity is required to obtain a transmission license in order to carry out such activity. Further Section 14 (a) of the Electricity Act 2003 specifies that respective Electricity Regulatory Commissions are empowered to grant such transmission license as they may deem it fit. Relevant extracts of the Electricity Act 2003 are as below:

*"12. No person shall  
(a) transmit electricity; or*

(b) distribute electricity; or

(c) undertake trading in electricity,

unless he is authorised to do so by a licence issued under section 14, or is exempt under section 13.....

.....  
14. The Appropriate Commission may, on an application made to it under section 15, grant any person licence to any person -

(a) to transmit electricity as a transmission licensee; or

(b) to distribute electricity as a distribution licensee; or

(c) to undertake trading in electricity as an electricity trader,  
in any area as may be specified in the licence:

.....”

- 3.4. Further to this, Section 15 and Section 86 of the EA 2003 empowers the State Electricity Regulatory Commission (hereinafter referred as 'SERC') to formulate the regulation specifying the general terms and conditions of a transmission license.

#### **Petition Structure**

- 3.5. The petition includes the following Chapters:
- a) Chapter 1 contains Executive Summary
  - b) Chapter 2 contains Introduction
  - c) Chapter 3 contains Overall approach to filing
  - d) Chapter 4 contains Transmission License Application
  - e) Chapter 5 contains Capital Expenditure Plan for the Transmission Project
  - f) Chapter 6 contains the Prayers to the Hon'ble Commission

## APPLICATION FOR TRANSMISSION LICENSE

#### 4. Transmission License Application

- 4.1. State of Maharashtra had been facing acute power shortage and, to overcome the situation, as well as for meeting the future load growth, the State Government has encouraged private sector participation in Generation, Transmission and Distribution for inclusive and sustained growth of the sector in the state.
- 4.2. Driven by the State Government's objective to develop the state power sector through private sector participation, a special purpose vehicle, VIPL was formed by Reliance Power Limited. VIPL constructed a 600 MW thermal power station at Butibori and in turn has signed PPA's with RInfra-D to off take the power from its generating station. VIPL project has already achieved CoD of Unit-1 on April 04, 2013 and. CoD of Unit -2 was achieved on 28<sup>th</sup> March 2014, the primary reasons for such delay are, non availability of required land allocation from Central Railways and SICOM for necessary construction of railway siding. Based on the land from SICOM, the construction activities on railway siding will only be completed in ensuing months. VIPL further submits that during project execution, VIPL approached Maharashtra State Electricity Transmission Company Limited (MSETCL) (viz., nodal agency for state grid connectivity and evacuation) for necessary power evacuation arrangement from its generating station. Consequently, MSETCL had given acceptance for grid connectivity and directed to construct an interconnecting transmission system comprising of following schemes under its supervision and monitoring.

Table 2: Description of Transmission System of VIPL-T

Scheme	Transmission Lines/sub-station
<b>Power Evacuation Arrangement for VIPL Thermal Power Project Limited</b>	<b>Transmission Lines</b>
	(i). 220 kV Double circuit transmission line (1.2 Kms) from VIPL Power Plant switchyard to MSETCL Butibori Substation III. (Scheme 1)
	(ii). 220 kV Double circuit transmission line (1.86 Kms) from VIPL Power Plant switchyard to MSETCL Butibori Substation I. (Around 160 m portion of each circuit is thru 220 KV underground cables near MSETCL substation.(Scheme 2)
	<b>EHV Substation Bays</b>
	(i). 2 No. of 220 kV bays at 220 KV MSETCL Butibori Substation III under Scheme.1.
	(ii). 2 No. of 220 kV GIS bays at 220 KV MSETCL Butibori Substation I under Scheme 2

- 4.3. VIPL adds that in order to evacuate 600 MW of power from its generating station two nos of 220 kV Double Circuit Lines have been constructed from the generating station to respective substations of MSETCL. One D/C line goes from VIPL Switchyard to MSETCL's Butibori III Substation and another to MSETCL's Butibori I Substation. The transmission line comprises of AL59 conductor and polymer/silicon insulators. For communication and data transfer purpose optical fiber is laid between VIPL switchyard and Butibori III substation. However Optical Ground Wire (OPGW) is used between VIPL Switchyard and Butibori I Substation. In VIPL Switchyard there are four number Air Insulated Switchgear (AIS) bays which comprises of Lightning Arresters, Current Transformers (CTs), Capacitive Voltage Transformers(CVTs), Metering CTs, Metering PTs and

Isolators. Switchyard is of three Bus System types, which comprised of Main 1 Bus and Main 2 Bus and one auxiliary Bus. The Double Circuit transmission line from gantry of VIPL switchyard is connected to MSETCL's Butibori I substation through, 220 kV Cable and 220 kV Gas Insulated Switchgears (GIS). The GIS is Out Door type with two line bays and two bus bays.

- 4.4. VIPL had established the interconnecting evacuation arrangement as part of its generating station under the assumption that the associated interconnecting transmission system would be an integral part of the power station and accordingly the capital cost for the same would be considered along with the generating station as a whole. Accordingly, VIPL submitted a petition to the Hon'ble Commission containing request for approval of PPA entered between RInfra-D and VIPL and the total capital cost of the project for provisional tariff determination of VIPL. This petition was assigned Case No 2 of 2013 in Dec. 2012.
- 4.5. However, the Hon'ble Commission, in its Order in Case No 2 of 2013 dated 20<sup>th</sup> February 2013 has clarified the issue on definition of Interconnection System. In the said order, the Hon'ble Commission has taken reference of its previous Order in Case No 34 of 2007 dated 13<sup>th</sup> November 2007, wherein the evacuation arrangement is required to be considered as part of InSTS network. In line with its previous order, the Hon'ble Commission directed that the evacuation arrangement including interconnecting transmission lines for VIPL project should form part of InSTS network and expenditure on the same to be recovered through MERC Transmission Pricing framework. The relevant extract of the Order is here as below:

*"On the issue of 'Whether 'evacuation arrangement' forms part of 'dedicated transmission line' or part of 'intra-State transmission system'?" the Commission, in its Order dated November 13, 2007 in Case No. 34 of 2007, has ruled as follows:*

*"The Commission would like to highlight that under its Ruling under clause 2.5.7 and clause 2.5.8 of the Transmission Pricing Framework Order (Case 58 of 2005) dated June 27, 2006, the Commission has elaborated on the scope and coverage of 'intra-State transmission system' (InSTS). Further, as per clause (o) of Regulation 2 of MERC (State Grid Code) Regulations 2006, the term Intra-State Transmission System (InSTS) has been elaborated as under –*

*Intra-State Transmission System- (InSTS) means any system for conveyance of electricity by transmission lines within the area of the State and includes all transmission lines, sub-stations and associated equipment of transmission licensees in the State;*

*Provided that the definition of point of separation between a transmission system and distribution system and between a Generating Station and transmission system shall be guided by the provision of the Regulations notified by the Authority under clause (b) of Section 73 of the Act;*

*Further, as per clause 2.5.8 of the said Order, the Commission also notes that as per Section 2(32) of EA 2003, the term 'Grid' means the high voltage backbone system of inter-connected transmission lines, sub-stations and generating plants.*

*Accordingly, the Commission has classified the 'evacuation arrangement' for evacuation of power from Dahanu Generating station of REL as part of Intra-State transmission system.*

*The Commission observes that establishment of dedicated transmission lines as referred under Section 9 and 10 of EA 2003 are intended for point to point transmission and typically do not form part of the InSTS but constitute part of the transmission infrastructure that is required to be set up by a generating company, and in this regard, establishment of such dedicated transmission lines for evacuation of power by MSETCL may be considered to be as activities undertaken on behalf of generating companies or developers of merchant plants. However, what is referred to by MSETCL is actually entire 'evacuation infrastructure including transmission lines' for evacuation of power from generating station which should form part of InSTS irrespective of ownership of generating station and independent of contracting arrangement for off-take of power from such generating station.*

*Accordingly, the Commission hereby rules that so far as the generation projects of MSPGCL, private developers under the CBG route are concerned, the approach adopted while determining the transmission pricing framework for Maharashtra in respect of evacuation arrangement and transmission lines for existing generation projects should be adopted in the present matter. **The Commission thus reiterates that the evacuation arrangement including transmission lines for such project forms part of InSTS network, the rationale for which has already been elaborated under Commission's Transmission Pricing Framework Order. In this regard, the Commission further clarifies that being part of InSTS, the expenditure incurred for development of such transmission infrastructure shall form part of total transmission system cost of InSTS independent of who develops such transmission infrastructure. The same shall be recovered in accordance with the principles outlined under Transmission Pricing Framework Order of the Commission.***

*In view of the above, the Commission directs the Petitioners to modify the definitions of Interconnection Point and Power Station by incorporating the above ruling of the Commission in its Order dated November 13, 2007 in Case No. 34 of 2007 and make appropriate amendments to the PPA." (emphasis added)*

- 4.6. As per the direction of the Hon'ble Commission to amend the definition of interconnection point, VIPL modified the PPA and reduced the capital cost pertaining to the transmission system from the capital cost of the generating station. Subsequently VIPL submitted the petition in Case No 91 of 2013 for the purpose of provisional tariff determination, wherein the capital cost for associated transmission system was not included in the capital cost of the Power Station.
- 4.7. Pursuant to the Order of the Hon'ble Commission in Case No 2 of 2013, VIPL submitted petition to Hon'ble Commission on 20<sup>th</sup> February 2014, with regard to application for grant of transmission license for the interconnecting transmission system established by VIPL for power evacuation from Butibori Project, approval of provisional revenue gap for FY 2012-13 and FY 2013-14 and Aggregate Revenue Requirement (ARR) for FY 2014-15 and FY 2015-16 for transmission business of Vidarbha Industries Power Limited. Hon'ble Commission on the said petition raised certain data-gaps vide its email dated 11<sup>th</sup> April 2014, the same were duly complied by the petitioner vide its letter reference no VIPL/MUM/Apr 14/MERC/37 dated 14<sup>th</sup> April 2014 (i.e. the responses to the



datagaps are being attached herewith as Appendix 5). Subsequent to the datagaps, the Hon'ble Commission has conducted a Technical Validation Session (i.e. "TVS") on 15<sup>th</sup> April 2014. In the said TVS, the Hon'ble Commission has directed the Petitioner to revise the petition to include the content and prayer for grant of transmission license and further directed the Petitioner to subsequently submit the petition for approval of Capital Expenditure, ARR and Provisional Revenue Gap or Final Truing Up.

- 4.8. Pursuant to the above, VIPL is submitting the present petition humbly requesting the Hon'ble Commission to recognize VIPL-T as separate regulated business segment of VIPL post issuance of such transmission license.
- 4.9. The petitioner would like to submit that as far as the commissioning of the transmission system is concerned, the complete evacuation arrangement has been established, duly tested and approved by the Regional Electrical Inspectorate, Nagpur, Government of Maharashtra. The 220 KV double circuit lines under Scheme 1 and Scheme 2 have been charged on 29<sup>th</sup> June 2012 and 13<sup>th</sup> June 2013, respectively. However the transmission line under Scheme 1 from VIPL switchyard to MSETCL Butibori III substation has been commissioned with LILO on transmission line between MSETCL substation III and substation I. This LILO has been done because of some pending work of MSETCL in substation III which is now completed. The changeover from the LILO to regular connection to MSETCL substation III has got completed on 20<sup>th</sup> March, 2014. As such the work on the transmission line in the scope of VIPL till substation III has been fully completed and tested. A copy of approval by the Regional Electrical Inspectorate, Nagpur, Government of Maharashtra is enclosed as **Appendix 1**.
- 4.10. The total cost identified for the transmission arrangement is Rs 28.55 Crore. The breakup of the same is given in table below:

Table 3: Estimated Capital Cost of the Transmission System of VIPL-T

S. No.	Particulars	Estimated Capital Cost (Rs. Cr.)
1.	Compensation of Land Cost	1.30
2.	Hard Cost ( EPC Cost – Supply & Service)	17.46
3.	MSETCL supervision charges	5.75
4.	Financing and IDC*	2.59
5.	Pre-operative expenses	1.45
6.	Total	28.55

\* As the financing for the project was combined financing for generation and transmission project, there was no separate loan sanction for transmission project. The financing consisted of ECB loan, Buyer's credit and Rupee Financing. The ECB and Buyer's credit was considered for financing of only generation project as per case 91 of 2013 and therefore only Rupee financing has been considered for transmission project. The IDC on Rupee loan has been apportioned for Transmission project.

- 4.11. VIPL-T submits that transmission system has been installed under direct supervision and monitoring of MSETCL. Apart from MSETCL, a team of VIPL-T has jointly supervised and monitored the construction activities of transmission system.
- 4.12. In light of the above facts, the petitioner requests the Hon'ble Commission to grant the transmission license to VIPL for implementing and operating the transmission system. Application for Transmission License along with the required details in accordance with MERC (Transmission License Conditions) Regulations 2004 is submitted herewith and enclosed as **Appendix 2**.

## CAPITAL EXPENDITURE PLAN

## 5. Capital Expenditure Plan

### Project Description

- 5.1. The petitioner, VIPL-T, has set up the power evacuation arrangement separately for Unit-1 & Unit-2. As per the statutory requirement, VIPL approached MSETCL for grid connectivity and power evacuation arrangement. MSETCL vide its letter ref no MSETCL/CO/Tr.Proj/S &C I/378/15206 (Demand Note) dated September 30, 2010 & MSETCL/CO/Tr.Proj/S&C I/378/7768 (Demand Note) dated May 23, 2011 conveyed the scope of work for the evacuation arrangement to be implemented by VIPL under its supervision. Copies of letters from MSETCL are enclosed as Appendix 3.

#### Scope of Work for Unit 1 Evacuation (Scheme 1)

1. 220 kV Double Circuit Line on Double Circuit Towers from MSETCL 200 kV Butibori –III to M/s VIPL premises
2. Optical fibre/ADSS cable between MSETCL Butibori – III Substation and proposed switchyard of M/s VIPL for data transfer and pilot wire protection
3. Metering Room (AC)
4. Metering CT, PT, Isolator at M/s VIPL premises
5. Bus Bar protection for 220 kV Bus at M/s VIPL premises
6. Control Room and allied works
7. SCADA for remote monitoring to be installed at 220 kV Butibori – III substation - 1 set
8. ABT metering/ Energy metering for provision of link with RLDC/SLDC

#### Scope of Work for Unit 2 Evacuation (Scheme 2)

MSETCL as per its feasibility report for providing evacuation from Unit 2 had observed the following:

- a) There was no vacant bay available at 220 kV Butibori-I MIDC substation. Hence 2 Nos of 220 kV Gas Insulated Switchgear (GIS) Bays are recommended
- b) Since there is insufficient space for locating towers in the premises of 220 kV Butibori –I MIDC substation, 220 kV cable from gantry to GIS bays is proposed

In wake of above, MSETCL asked VIPL to implement the following scope of work under its supervision

1. 220 kV D/C line (double circuit line on double circuit towers) from MSETCL's 220 kV Butibori-I MIDC substation to M/s VIPL premises
2. Underground cable from gantry to GIS bays at MSETCL's 220 kV Butibori –I MIDC substation
3. 220 kV GIS bay at MSETCL's 220 kV Butibori –I MIDC substation – 2 Bus (2 Nos)
4. 220 kV Interconnector Isolator between GIS and Bus at MSETCL's 220 kV Butibori –I MIDC substation – 2 Nos
5. Optical fibre cable between GIS and bus of MSETCL's 220 kV Butibori – I MIDC to M/s VIPL premises data transfer and pilot wire protection
6. Metering CT, PT, Isolator at M/s VIPL premises
7. Bus bar protection at M/s VIPL premises

8. SCADA for remote monitoring of switchyard of M/s VIPL premises to be installed at MSETCL's 220 kV Butibori – I MIDC substation ABT metering/ Energy metering for provision of link with RLDC/SLDC to be installed at MSETCL's Butibori – I MIDC substation
  9. Control & Relay panels for feeder bays in MSETCL's Butibori – I MIDC substation – 2 Sets
  10. Extension of existing Numerical Busbar protection in MSETCL's Butibori – I MIDC substation to cover new GIS bays
  11. Extension of AC/DC supply to GIS bays in MSETCL's Butibori – I MIDC substation
  12. Metering Room
- 5.2. The petitioner submits that the entire work of installation of transmission system is completed, the required approvals are obtained and the lines are connected to the InSTS network.

#### **Project Capital Cost**

- 5.3. The petitioner hereby submits the project cost of the transmission system as Rs 28.55 Crore inclusive of IDC. In this regard an auditor certificate from the Statutory Auditor, providing details of capital expenditure as on 31<sup>st</sup> December 2013 is being submitted as **Appendix 4**.
- 5.4. VIPL submits that the transmission system was not envisaged to be developed as a separate installation and was considered to be a part of the generating station as a whole. Because transmission system was envisaged as an integral part of the generating station only and not separate, capitalization of transmission assets was linked with generation assets as the commissioning and capitalization of generating assets was a pre-requisite for capitalization of transmission assets. This is the reason why the audited accounts of VIPL for FY2012-13 do not show capitalization of Scheme 1 even though the same was charged and tested (and thus was ready to use) on June 29<sup>th</sup> 2012. Further, as already stated above, even though transmission Scheme 2 is also charged and tested and ready to be used, the same will be capitalized in the books of accounts of VIPL during FY 2013-14.
- 5.5. However, in view of the Hon'ble Commission's directive, the transmission assets have to be considered as separate stand-alone business, the commissioning of which cannot be considered dependent upon the commissioning and capitalization of generating assets. Hence, in view that the activities w.r.t. transmission project have been completed in entirety and the transmission system has been charged and tested by statutory independent body (i.e., Electrical Inspector), on 29<sup>th</sup> June 2012 and 13<sup>th</sup> June 2013, respectively, accordingly the transmission assets of VIPL-T ought to be considered as having achieved COD on the abovementioned respective dates.
- 5.6. A comparison of provisional capital cost with the original estimates is as given below:

Table 4: Project Cost Comparison (in Rs Cr)

S.No.	Particulars	Provisional Capital Cost	Original Estimates	Difference	Reason for Deviation
1.	Preliminary and Pre-Operative expenses	1.45	1.45	-	Pre-operative expenses of Rs. 1.45 Crs. were considered as a part of overall preoperative expenses for generation and transmission project together and same is now considered separately for transmission project. Therefore, there is no deviation.
2.	EPC cost of the Project				
2.1.	Supply & Erection (Services) Cost	17.46	14.00	3.46	In the original estimate the length of the line considered was approximately 5-6 km. This was subsequently reduced to 3 km after the final route survey. Further GIS bays and 220 kV cable at Butibori-J were included in the scope as per recommendations of MSETCL due to space constraints Refer Point 5.7 (a) for detailed justification.
2.2.	Type Test				
2.3.	Spare and Tools				
3.	Non-EPC Cost				
3.1.	Consultancy				
3.2.	Cost towards terminal bays				
3.3.	Right of Way				
3.4.	Design Cost				
3.5.	Compensation of Land cost	1.30	1.30	-	Land cost of Rs. 1.3 Crs. were considered as a part of overall land cost for generation and transmission project together and same is now considered separately for transmission project. Therefore, there is no deviation
3.6.	Detailed Survey Cost				
4.	Overheads				
5.	Contingency Cost				
6.	Interest during Construction and Financing Cost *	2.59	1.92	0.67	Incremental expenditure on GIS bays and cable was required and hence the incremental IDC on account of the same. Refer Point 5.7 (c) for detailed justification.
7.	Cost towards MSETCL Supervision	5.75	-	5.75	Supervision charges by MSETCL came up later during the implementation. Refer Point 5.7 (b) for detailed justification.
8.	Total	28.55	18.67	9.88	

5.7. The detailed justification for variation between the original estimates and provisional capital cost is explained herewith:

**a) Deviation in Supply and Erection Cost ~ Rs. 3.46 Crs.**

MSETCL carried out the feasibility of 220 KV double circuit line under Scheme 2 from Butibori plant to MSETCL Butibori- I MIDC substation. Based on the feasibility Report, MSETCL informed VIPL about non availability of vacant bay at the respective substation, for the purpose of power evacuation. Accordingly MSETCL asked VIPL to establish 2 Nos. of 220 kV Gas Insulated Switchgear (GIS) bays at the Butibori substation. In addition to this, there was insufficient space for locating towers in the premises of 220 kV Butibori -I MIDC substation and therefore 220 kV cable from gantry to GIS bays was required to be laid in the MSETCL switchyard. This entailed following additional scope of work.

- 220 kV GIS bay at MSETCL's 220 kV Butibori -I MIDC substation - 2 Bus (2 Nos)
- Underground cable from gantry to GIS bays at MSETCL's 220 kV Butibori -I MIDC substation
- 220 kV Interconnector Isolator between GIS and Bus at MSETCL's 220 kV Butibori -I MIDC substation - 2 Nos.

Because of aforementioned reasons, the deviation in the cost as Rs 3.46 Cr may be observed

**b) Deviation in MSETCL Charges ~ Rs. 5.75 Crs.**

In the original estimates, the supervision charges and cost of works in MSETCL sub-station was not envisaged based on the preliminary information gathered at that point of time. It was assumed that no supervision charge would have to be paid to MSETCL as the transmission lines would be implemented by VIPL directly. It was also envisaged that the works required to be carried out by MSETCL in their sub-station would be carried out by MSETCL at their own cost. However, in the demand notes raised by MSETCL, it required VIPL to pay for the bay equipment that would be installed by MSETCL. Accordingly VIPL was required to pay the total supervision charges as Rs 5.75 Crs comprising of following:

- Scheme 1 - Rs. 3.84 Crs - supervision of transmission line works and installation of 2 nos. 220 KV bays at MSETCL Butibori III sub station
- Scheme 2 - Rs. 1.91 Crs - supervision of works to be carried out by VIPL for transmission line and in MSETCL sub-station I such as GIS bays, 220 KV underground cable, isolators etc.

**c) Deviation in IDC ~ Rs. 0.67 Crs.**

Deviation in IDC may be observed because of the change in additional capital cost incurred in Supply and Erection Cost (i.e. Rs 3.46Cr) (*idem*, Section 5.7 (a)) and also the inclusion of supervision charges paid to MSETCL (i.e. Rs.5.75 Cr), in the total capital cost of transmission. Because of the changes in scope of works has increased the hard cost by Rs. 26 Crs and this has resulted IDC to be increased marginally by Rs. 0.67 Crs.

### Source of Funding

- 5.8. VIPL proposes a debt-equity ratio of 70:30 for the total capital cost. It is submitted that the actual capital structure of VIPL as a whole is also 70:30<sup>1</sup> and therefore the same capital structure can be adopted for both generation and transmission segments for the purposes of determining opening debt and equity. The details of debt and equity to be considered for determination of ARR are provided in table below:

Table 5: Source of Funding

Particulars	Amount (Rs Cr)
Hard Cost	18.76
Supervision Charges	5.75
Pre-Operative Expenses	1.45
IDC and financing charges	2.59
Project Cost including IDC	28.55
Equity (30 %)	8.56
Debt (70%)	19.99
Interest Rate	13.75%

- 5.9. The Petitioner submits that since the project was funded as part of total power station, there is no segregated source wise funding identified towards creation of the transmission assets alone. However, for the purpose of the Interest rate for the project, the Petitioner submits that interest rate as per the Rupee loan availed for the VIPL project has been considered for transmission assets. The ECB loan and Buyer's credit availed for the VIPL project (Generation and Transmission project as a whole) have been fully allocated to VIPL Butibori generation project for which the Hon'ble Commission has approved provisional tariff vide its order dated January 17, 2014 in case 91 of 2013.

### Phasing of Capital Expenditure

- 5.10. The estimated expenditure during the project execution schedule is provided in table below:

Table 6: Phasing of Expenditure (in Rs Cr)

Particulars	FY 11-12	FY 12-13	FY 13-14	Total
Phasing of Expenditure	14.51	6.94	4.50	25.96
IDC on Debt (70%)*	1.29	0.77	0.52	2.59
Total	15.80	7.72	5.03	28.55

\* As the financing for the project was combined financing for generation and transmission project there was no separate loan sanction for transmission project. The financing consisted of ECB loan, Buyer's credit and Rupee Financing. The ECB and Buyer's credit was considered for financing of only generation project as per Case 91 of 2013 and therefore only Rupee financing has been considered for transmission project. The IDC on Rupee loan has been apportioned for Transmission project.

### Capitalisation

- 5.11. The estimated capitalization of the assets by the commissioning date of the project is as provided in the table below.

Table 7: Capitalisation for Transmission Licensee (in Rs Cr)

FY 12-13	FY 13-14	FY 14-15	FY 15-16	Total
6.47	22.08	0.00	0.00	28.55

<sup>1</sup> Kindly refer section 4.3.4 of Order of Hon'ble Commission in Case No 91 of 2013 dated 17<sup>th</sup> January 2014

**Prayers**

The Present Petition is submitted to the Hon'ble Commission for the grant of grant of transmission license. In view of abovementioned facts and circumstances, VIPL-T prays to the Hon'ble Commission that it may be pleased to:

1. Admit the petition;
2. Grant the Transmission License to VIPL;
3. Pardon the delay in submission of the Transmission License application
4. Allow additions / alterations / modifications / changes to the Petition at a future date;
5. Condone any inadvertent errors / inconsistencies / omissions / rounding off differences, etc. as may be there in the Petition
6. Allow any other relief, order or direction, as the Hon'ble Commission may deem fit



# Appendix-1

## महाराष्ट्र शासन

## उद्योग उर्जा व कामगार विभाग

संदर्भ :- या कार्यालयाचे पत्र क्र.996 दिनांक 05/12/2011 अन्वये देण्यांत आलेली तात्पुरती परवानगी.

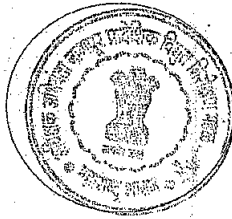
भारतीय वीज अधिनियम 2003 नुसार व भारतीय वीज नियमावली 1956 च्या संबंधित नियमाप्रमाणे मे.कारवेज नागपूर म.ठे.7329 व विद्युत पर्यवेक्षक गोविंद ना. देहाडकर म.प.23611 यांनी प्रमाणित केलेल्या खालील विवरणाच्या संचमांडणीस विद्युत पुरवठा जोडून कार्यान्वीत करण्यासाठी भारतीय वीज नियमावली 1956 च्या नियम क्रमांक 63 अंतर्गत व वीज अधिनियम 2003 च्या कलम 162 अन्वये प्रदान केलेल्या अधिकारानुसार खालील अटीवर कायमस्वरूपी परवानगी देण्यांत येत आहे. या संचमांडणीत वीज पुरवठा जोडल्याचा दिनांक या कार्यालयास त्वरीत कळविण्यात यावा.

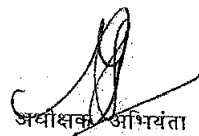
विद्युत संच मांडणीचे विवरण

220KV Single Circuit EHV Transmission Line from Thermal Power Plant of M/s Vidarbha Industries Power Ltd. MIDC Butibori to Proposed 220KV MSETCL Butibori III Substation with AL 59 Conductor. Total Length of Line 1.2Km.

- 1) वरील विद्युत संचमांडणीच्या निरीक्षणाच्या वेळेस असलेल्या चुटी दोषपत्रकात नमुद केलेल्या मुदतीत पूर्तता करून तसे प्रतिवेदन या कार्यालयास त्वरीत पाठवावे व कायम परवानगीचा आदेश प्राप्त करून घ्यावा. अन्यथा वीजपुरवठा बंद करण्याची कार्यवाही करता येईल.
- 2) ही संचमांडणी वेळोवेळी शासनाने सुधारित केलेल्या भारतीय वीजनियमावली 1956 प्रमाणे धोक्यापासून सुरक्षित राहिल हयाची ग्राहक/पुरवठाकार नेहमी काळजी घेतील. त्यावर कोणताही विद्युत अपघात झाल्यास ग्राहक/पुरवठाकार जबाबदार राहतील.
- 3) वरील संचमांडणीचे हया कार्यालयाकडून वार्षिक निरीक्षण करण्यांत येईल. तरी त्यासाठी संबंधित निरीक्षण अधिका-यास सर्व उपकरणांची अर्थ टेस्ट,इन्सुलेशन टेस्ट ,ऑईल टेस्ट ईत्यादीची नोंद असलेले रजिस्टर सादर करावे लागेल व योग्य चाचण्या घेण्यासाठी उपकरणाची व्यवस्था करावी लागेल.
- 4) वरील संचमांडणीची भारतीय वीज नियम 3,36,व 45 च्या अंतर्गत अधिकृत व परवानाधारक व्यक्तीतर्फेच पूर्ण सुरक्षिततेच्या साधनांचा अवलंब करून देखभाल व दुरुस्ती केली पाहिजे.
- 5) ही परवानगी मिळाल्यानंतर वरील संचमांडणी 6 महिन्यांपर्यंत जर कार्यान्वीत झाली नाही तर परवानगी रद्द होईल. यास्तव संचमांडणीचे पुर्ननिरीक्षण करून नवीन परवानगी पत्र प्राप्त करून घ्यावे लागेल.
- 6) हया संचमांडणीत कोणतेही बदल विद्युत निरीक्षकाच्या लेखी परवानगीशिवाय करता येणार नाही.
- 7) हया संचमांडणीवर कोणताही विद्युत अपघात झाल्यास भारतीय वीज नियम 1956 च्या कं.44 अ प्रमाणे विद्युत निरीक्षकास 24 तासांच्या आत लेखी सूचना देण्यांत यावी.
- 8) सदर परवानगी दोषपूर्ततेच्या अधिन राहून देण्यांत येत आहे.

जा.क्र.अना/का-9/ १८८ /2012  
अधीक्षक अभियंता यांचे कार्यालय,  
नागपूर प्रादेशिक विद्युत निरीक्षण मंडळ,  
उद्योग उर्जा व कामगार विभाग,  
सा.बां.परिसर, बंगला क्रमांक 39/1,  
सिव्हील लाईन्स नागपूर  
दिनांक १८/१२/२०१२  
प्रती,



  
अधीक्षक अभियंता  
नागपूर प्रादेशिक विद्युत निरीक्षण मंडळ,  
उद्योग उर्जा व कामगार विभाग,  
नागपूर

1. M/s Vidarbha Industries Power Limited. MIDC Butibori. Dist. Nagpur.
2. Electrical Inspector, Inspection Division Nagpur for information.

प्र.नोदवही क्रमांक-

**महाराष्ट्र शासन****उद्योग उर्जा व कामगार विभाग**

संदर्भ :- या कार्यालयाचे पत्र क्र.605 दिनांक 29/05/2012 अन्वये देण्यांत आलेली तात्पुरती परवानगी.

भारतीय वीज अधिनियम 2003 नुसार व भारतीय वीज नियमावली 1956 च्या संबंधित नियमाप्रमाणे मे.कारवेज नागपूर म.ठे.7329 व विद्युत पर्यवेक्षक गोविंद ना. देहाडकर म.प.23611 यांनी प्रमाणित केलेल्या खालील विवरणाच्या संचमांडणीस विद्युत पुरवठा जोडून कार्यान्वीत करण्यासाठी भारतीय वीज नियमावली 1956 च्या नियम क्रमांक 63 अंतर्गत व वीज अधिनियम 2003 च्या कलम 162 अन्वये प्रदान केलेल्या अधिकारानुसार खालील अटीवर कायमस्वरूपी परवानगी देण्यांत येत आहे. या संचमांडणीत वीज पुरवठा जोडल्याचा दिनांक या कार्यालयास त्वरीत कळविण्यात यावा.

**विद्युत संच मांडणीचे विवरण**

220KV Single Circuit (II<sup>nd</sup> Circuit) EHV Transmission Line from Thermal Power Plant of M/s Vidarbha Industries Power Ltd. MIDC Butibori to Loc. No. 13 of Butibori 1 Substation to Butibori 3 Substation (Second Circuit) with AL 59 Conductor, Total Length of Line 1.2Km.

- 1) वरील विद्युत संचमांडणीच्या निरीक्षणाच्या वेळेस असलेल्या त्रुटी दोषपत्रकात नमुद केलेल्या मुदतीत पूर्तता करून तसे प्रतिवेदन या कार्यालयास त्वरीत पाठवावे व कायम परवानगीचा आदेश प्राप्त करून घ्यावा. अन्यथा वीजपुरवठा बंद करण्याची कार्यवाही करता येईल.
- 2) ही संचमांडणी वेळोवेळी शासनाने सुधारीत केलेल्या भारतीय वीजनियमावली 1956 प्रमाणे धोक्यापासून सुरक्षित राहिल हयाची ग्राहक/पुरवठाकार नेहमी काळजी घेतील. त्यावर कोणताही विद्युत अपघात झाल्यास ग्राहक/पुरवठाकार जबाबदार राहतील.
- 3) वरील संचमांडणीचे हया कार्यालयाकडून वार्षिक निरीक्षण करण्यांत येईल. तरी त्यासाठी संबंधित निरीक्षण अधिका-यास सर्व उपकरणाची अर्थ टेस्ट,ईन्सुलेशन टेस्ट ,ऑईल टेस्ट ईत्यादीची नोंद असलेले रजिस्टर सादर करावे लागेल व योग्य चाचण्या घेण्यासाठी उपकरणाची व्यवस्था करावी लागेल.
- 4) वरील संचमांडणीची भारतीय वीज नियम 3,36, व 45 च्या अंतर्गत अधिकृत व परवानाधारक व्यक्तीतर्फेच पूर्ण सुरक्षिततेच्या साधनांचा अवलंब करून देखभाल व दुरुस्ती केली पाहिजे.
- 5) ही परवानगी मिळाल्यानंतर वरील संचमांडणी 6 महिन्यांपर्यंत जर कार्यान्वीत झाली नाही तर परवानगी रद्द होईल. यास्तव संचमांडणीचे पुर्ननिरीक्षण करून नवीन परवानगी पत्र प्राप्त करून घ्यावे लागेल.
- 6) हया संचमांडणीत कोणतेही बदल विद्युत निरीक्षकाच्या लेखी परवानगीशिवाय करता येणार नाही.
- 7) हया संचमांडणीवर कोणताही विद्युत अपघात झाल्यास भारतीय वीज नियम 1956 च्या कं.44 अ प्रमाणे विद्युत निरीक्षकास 24 तासांच्या आंत लेखी सुचना देण्यांत यावी.
- 8) सदर परवानगी दोषपूर्ततेच्या अधीन राहून देण्यांत येत आहे.

जा.क.अना/का-9/ 684/2012  
अधीक्षक अभियंता यांचे कार्यालय,  
नागपूर प्रादेशिक विद्युत निरीक्षण मंडळ,  
उद्योग उर्जा व कामगार विभाग,  
सा.बां.परिसर, बंगला क्रमांक 39/1,  
सिव्हील लाईन्स नागपूर  
दिनांक :- 26/8/2012



अधीक्षक अभियंता  
नागपूर प्रादेशिक विद्युत निरीक्षण मंडळ,  
उद्योग उर्जा व कामगार विभाग,  
नागपूर

प्र.नॉदवही क्रमांक-

**महाराष्ट्र शासन****उद्योग उर्जा व कामगार विभाग**

भारतीय वीज अधिनियम 2003 नुसार व केंद्रीय विद्युत प्राधिकरण विनियम, 2010 च्या संबंधित विनियम प्रमाणे मे.कारवेज नागपूर म.ठे.7329 व विद्युत पर्यवेक्षक गोविंद ना. देहाडकर म.प.23611 यांनी प्रमाणित केलेल्या खालील विवरणाच्या संचमांडणीस विद्युत पुरवठा जोडून कार्यान्वीत करण्यासाठी केंद्रीय विद्युत प्राधिकरण विनियम, 2010 च्या विनियम क्रमांक 43 अंतर्गत व वीज अधिनियम 2003 च्या कलम 162 अन्वये प्रदान केलेल्या अधिकारानुसार खालील अटीवर कायमस्वरूपी परवानगी देण्यांत येत आहे. या संचमांडणीत वीज पुरवठा जोडल्याचा दिनांक या कार्यालयास त्वरीत कळविण्यात यावा.


**विद्युत संच मांडणीचे विवरण**

220KV Double Circuit EHV Transmission Line from 2x300MW Thermal Power Plant of M/s Vidarbha Industries Power Ltd. MIDC Butibori to 220KV MSETCL Butibori I Substation with AL 59 Conductor, Total Length of Line 1.7Km.

- 1) वरील विद्युत संचमांडणीच्या निरीक्षणाच्या वेळेस असलेल्या त्रुटी दोषपत्रकात नमुद केलेल्या मुदतीत पूर्तता करुन तसे प्रतिवेदन या कार्यालयास त्वरीत पाठवावे व कायम परवानगीचा आदेश प्राप्त करुन घ्यावा. अन्यथा वीजपुरवठा बंद करण्याची कार्यवाही करता येईल.
- 2) ही संचमांडणी वेळोवेळी शासनाने सुधारीत केलेल्या केंद्रीय विद्युत प्राधिकरण विनियम, 2010 प्रमाणे धोक्यापासुन सुरक्षित राहिल हयाची ग्राहक/पुरवठाकार नेहमी काळजी घेतील. त्यावर कोणताही विद्युत अपघात झाल्यास ग्राहक/पुरवठाकार जबाबदार राहतील.
- 3) वरील संचमांडणीचे हया कार्यालयाकडून वार्षिक निरीक्षण करण्यांत येईल. तरी त्यासाठी संबंधित निरीक्षण अधिका-यास सर्व उपकरणाची अर्थ टेस्ट,ईन्सुलेशन टेस्ट, ऑईल टेस्ट इत्यादीची नोंद असलेले रजिस्टर सादर करावे लागेल व योग्य चाचण्या घेण्यासाठी उपकरणाची व्यवस्था करावी लागेल.
- 4) वरील संचमांडणीची केंद्रीय विद्युत प्राधिकरण विनियम, 2010 प्रमाणे अधिकृत व परवानाधारक व्यक्तीतर्फेच पूर्ण सुरक्षिततेच्या साधनांचा अवलंब करुन देखभाल व दुरुस्ती केली पाहिजे.
- 5) ही परवानगी मिळाल्यानंतर वरील संचमांडणी 6 महिन्यांपर्यंत जर कार्यान्वीत झाली नाही तर परवानगी रद्द होईल. यास्तव संचमांडणीचे पुर्ननिरीक्षण करुन नवीन परवानगी पत्र प्राप्त करुन घ्यावे लागेल.
- 6) हया संचमांडणीत कोणतेही बदल या कार्यालयाच्या लेखी परवानगीशिवाय करता येणार नाही.
- 7) हया संचमांडणीवर कोणताही विद्युत अपघात झाल्यास विद्युत निरीक्षकास 24 तासांच्या आंत लेखी सुचना देण्यांत यावी.
- 8) सदर परवानगी दोषपूर्ततेच्या अधिन राहून देण्यांत येत आहे.

जा.क्र.अअना/का-9/ 965 /2013  
अधीक्षक अभियंता यांचे कार्यालय,  
नागपूर प्रादेशिक विद्युत मंडळ,  
सार्वजनिक बांधकाम विभाग,  
सा.बां.परिसर, बंगला क्रमांक 39/1,  
सिव्हील लाईन्स नागपूर  
दिनांक :- 05/06/2013



  
अधीक्षक अभियंता  
नागपूर प्रादेशिक विद्युत मंडळ,  
सा.बां. विभाग, नागपूर

प्रती,

1. M/s Vidarbha Industries Power Limited, MIDC Butibori, Dist. Nagpur.

## Appendix-2

## FORM OF APPLICATION FOR LICENSE

To,  
The Principle Secretary  
Maharashtra Electricity Regulatory Commission,  
13<sup>th</sup> Floor, Centre No. 1,  
World Trade Centre,  
Cuff parade, Mumbai 400 005

We hereby apply for a Transmission License under the "Maharashtra Electricity Regulatory Commission (Transmission License Conditions) Regulations, 2004". We set out here under the relevant particulars in connection with our application and shall provide any other information as required by the Commission.

### GENERAL INFORMATION

1. Name to appear on License: **Vidarbha Industries Power Limited**
2. Primary Contact
  - a. Name:- Shri Shrikant Nene
  - b. Contact Address:- 19 Walchand Hirachand Marg, Reliance Center, Ballard Estate, Opp- Grand Hotel, Fort, Mumbai- 01 .
  - c. Phone Number:- 022-30327237
  - d. Fax Number:- 022-30327699
  - e. E-mail address:- [shrikant.nene@relianceada.com](mailto:shrikant.nene@relianceada.com)

### INFORMATION ABOUT THE APPLICANT

3. Full legal name of Organization :- **Vidarbha Industries Power Limited**
4. Registration number under applicable statute:- U23209MH2005PLC158371
5. Date of incorporation and registration :- December 27, 2005
6. Registered office address:- H-Block, 1st Floor, Dhirubhai Ambani Knowledge City, Navi Mumbai - 400 710
7. Names of promoters, along with their respective ownership percentages:- The information is enclosed as **Annexure-1**.

### ENCLOSURES

The following information/documents are duly attached:

#### Incorporation

1. The following incorporation documents, as applicable:
  - a. Where the applicant is a company, the Memorandum and Articles of Association;
  - b. Where the applicant is a partnership, the deed of partnership;
  - c. In any other case, applicable deed or charter of incorporation, if any.

The applicant being a Company, the Memorandum & Article of Association is enclosed as **Annexure-2**.

#### Technical Information

2. Management information (provided in respect of operations, projects, commercial, finance, regulatory, HR and IT functions):

The requisite detail of key Senior Executive Management information is as follows :-

#### Board of Directors

The Board of Directors:.

- i. Shri. V.K.Reddy

- ii. Shri. Alok Das Gupta
- iii. Shri. N Venugopala Rao
- iv. Shri. B S Prasad

Name	Qualification & brief resume
Mr. V K Reddy	Mr. Reddy is an electronics and communications engineer from Regional Engineering College, Surathkal and has over 31 years of experience in the conceptualization, development, construction, commissioning, operation and maintenance and business management of power projects. Prior to joining Reliance Group in April 2010, he worked with Lanco Infratech and NTPC Limited.
Mr. Aloke Dasgupta	Mr. Dasgupta is B.Sc and MBA from Asian Institute of Management and has more than 25 years experience in Banking and Finance Industry. He has been with Reliance Group since September 2007. Prior to joining Reliance Group, he has worked with IDBI Bank.
Mr. N Venugopala Rao	Mr. Rao is a MBA in finance and marketing and has over 29 years of experience in finance and accounts, contracts and commercial management in the power sector. Prior to joining Reliance Group, he has worked with Lanco Infratech and NTPC Limited.
Mr. B S Prasad	Mr. Prasad has done B Tech and MBA and has more than 29 years of experience in Operation and Maintenance, Project Execution and Quality, etc. Prior to joining Reliance Group, he has worked with NTPC Limited for 27 years. Currently he is heading the VIPL power plant.

3. Sufficient description adequately specifying the actual or proposed location of the system of electric lines and electrical plant by means of which the applicant intends to enable transmission of electricity, indicating which plant and lines are to be constructed and which are existing plant and lines, and the area to which the application relates.

The description of the electric lines and electrical plant constructed to enable transmission of Electricity is provided in **Annexure-3** (Block Diagram – Annexure 3A, Line Details – Annexure 3B, Single Line Diagram – Annexure 3C).

The processes and the systems are already designed and implemented making VIPL **technically competent** to transmit electricity and eligible to apply for grant of license. The transmission system is being operated by highly competent O&M team as given in table below.

Name	Qualification & brief resume
Mr. Sandeep Borade	Mr. Sandeep Borade is Dy. General Manager, Head Electrical Maintenance and has over 21 years of experience. He has got vast experience in the field of construction, testing and commissioning of all types of HT/ LT and EHV electrical equipments and EHV transmission lines.
Mr. Surya Murthy	Mr. Surya Murthy is Dy. General Manager, Head Transmission Line Maintenance and has over 30 years of experience. He has successfully completed various Generation, Transmission and Distribution projects in India and abroad. He has got extensive experience in execution and commissioning of Nuclear, Coal based, Hydro and Natural gas power plants over the last 30 years.
Mr. Amol Sanjore	Mr. Amol Sanjore is Sr. Manager, Electrical, In Charge- Switchyard Maintenance and has 10 years of experience. He is having experience in the field of erection and commissioning of all types of HV and EHV electrical equipments and EHV transmission lines.

The O&M team capability & experience is further enhanced with the help of state of the art tools & techniques during operation & maintenance. (1) SCADA based 220 KV switchyard operation (2) Transmission System Maintenance through Dynamic Contact Resistance Measurement, Sweep Frequency Response Analysis (3) Dissolved Gas Analysis (4) Dew point Measurement for SF6 gas (5) Leakage detection of SF6 gas (6) Leakage current Measurement (7) Thermo Vision Scanning Techniques (8) Hot Line Maintenance and Hot Line Washing (9) IT enabled system (10) Training & Development initiatives

The detailed Technical Competency Report is enclosed as **Annexure-4**

Area to which application relates:

The details of the transmission schemes for which License is required are as follows.

Scheme	Transmission Lines/sub-station
<b>Power Evacuation Arrangement for VIPL Thermal Power Project Limited</b>	<b>Transmission Lines</b>
	(i). 220 kV Double circuit transmission line (1.2 Kms) from VIPL Power Plant switchyard to MSETCL Butibori Substation III.
	(ii). 220 kV Double circuit transmission line (1.86 Kms) from VIPL Power Plant-switchyard to MSETCL Butibori Substation I.
	<b>EHV Substation Bays</b>
	(i). 2 No. of 220 kV bays at 220 KV MSETCL Butibori Substation III.
	(ii). 2 No. of 220 kV bays at 220 KV MSETCL Butibori Substation I.

4. Detailed map or maps of the proposed area of transmission, on a scale of not less than 10 centimeters to a kilometer, or if no such maps are available, of not less than that of the largest scale of ordnance maps available, depicting the proposed intra-State transmission system of the applicant.

The information is enclosed as **Annexure- 5**. The map has been drawn based on the scale of 4.8 cm to 100 meter in order to capture vital elements of the VIPL transmission network.

5. List of the whole or any part of any cantonment, aerodrome, fortress, arsenal, dockyard or camp or any building or place in the occupation of the Government for defense purposes located within the proposed area of transmission – NA
6. List of streets or parts of streets which are repairable by a person other than the Central Government, State Government or local authority and of railways, tramways, canals and waterways for which the applicant has obtained authorization to undertake works.

During the walk over survey carried out internally, no such streets were found on the routes of the proposed transmission lines. There is one MIDC road which is crossed by the Transmission lines and permission for the same has been obtained by VIPL and same is enclosed as **Annexure-6**.

#### **Financial Information**

7. Most recent three years of Accounting Statements together with Auditors' Reports, if any.  
The information pertaining to VIPL as a Company is enclosed as **Annexure- 7** for FY 2010-11 to FY 2012-13 respectively.
8. Indicative investment plan and Network rollout plan for the next five years, detailing year-wise and area-wise rollout of the transmission system. – NA

#### **Other Enclosures Required**


9. Copy of Receipt for the licence application processing Fee.  
The receipt for the licence application processing Fees is enclosed as **Annexure-8**.



We certify that the particulars submitted herewith are true, complete and correct, to the best of my/our knowledge and belief at the time of submission and does not contain any untrue statement of a material fact or omits to state a material fact necessary to make the statement/particulars contained herein not misleading.

Place: Mumbai

Date: 25 Apr 2019

  
Mr. Shrikant Nene  
(Authorized Signatory)

# Annexure-1

# RELIANCE

**Vidarbha Industries  
Power Limited**

CIN: U23209MH2005PLC158371

2<sup>nd</sup> Floor, Reliance Centre  
19, Walchand Hirachand  
Marg, Ballard Estate  
Mumbai 400 001

Tel: +91 22 30327000  
Fax: +91 22 30327699  
www.reliancepower.co.in

**List of Equity Shareholders of the Company as on March 25, 2014**

Sr. No.	Name of the Shareholder	No of shares Held (Rs. 10 each)	% of total paid-up equity share capital
1	Reliance Power Limited (RPower)	8,25,830	69.35
2	Paresh Rathod jointly with RPower	1	0.00
3	Ramaswami Kalidas jointly with RPower	1	0.00
4	Sunil K Agarwal jointly with RPower	1	0.00
5	N Venugopala Rao jointly with RPower	1	0.00
6	Nimish Chitalia jointly with RPower	1	0.00
7	Arunachalam Venkitachalam jointly with RPower	1	0.00
8	Rosa Power Supply Company Limited	3,64,970	30.65
	<b>Total</b>	<b>11,90,806</b>	<b>100.00</b>

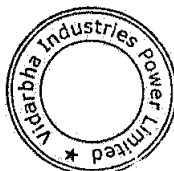
**List of Preference Shareholders of the Company as on March 25, 2014**

Sr. No.	Name of the Shareholders	No. of Preference shares held (Rs. 10 each)	% of total preference share capital
1	Reliance Power Limited	66,99,552	62.50
2	Rosa Power Supply Company Limited	40,20,202	37.50
	<b>Total</b>	<b>1,07,19,754</b>	<b>100.00</b>

For **Vidarbha Industries Power Limited**

*Kamalkant Gupta*

Kamalkant Gupta  
Company Secretary



Registered Office: H Block, 1<sup>st</sup> Floor, Dhirubhai Ambani Knowledge City, Navi Mumbai 400 710

# RELIANCE

**Vidarbha Industries  
Power Limited**

CIN: U23209MH2005PLC158371

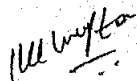
2<sup>nd</sup> Floor, Reliance Centre  
19, Walchand Hirachand  
Marg, Ballard Estate  
Mumbai 400 001

Tel: +91 22 30327000  
Fax: +91 22 30327699  
www.reliancepower.co.in

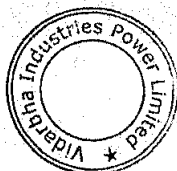
**List of Directors of Vidarbha Industries Power Limited as on April 17, 2014**

Name of the Directors	Residential Address
Shri V K Reddy	703/4, Seawoods Estates, NRI Complex, Sector-54,56,58, Nerul, Navi Mumbai 400706
Shri N Venugopala Rao	Flat No.1002, Building No. 40, NRI Complex, Seawoods Estates, Nerul, Navi Mumbai 400 706
Shri Alope Dasgupta	Flat no. B - 32, "Ashish", 2 <sup>nd</sup> Cross, Swami Samarth Nagar, Andheri (West), Mumbai 400 053
Shri B S Prasad	1101, Malhar, Yashodham Enclave, Prashant Nagar, Nagpur 440 015

For Vidarbha Industries Power Limited



Kamalkant Gupta  
Company Secretary



Registered Office: H Block, 1<sup>st</sup> Floor, Dhirubhai Ambani Knowledge City, Navi Mumbai 400 710

## Annexure-2

# **VIDARBHA INDUSTRIES POWER LIMITED**

## **Memorandum of Association and**

## **Articles of Association**

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**as amended with effect from  
March 13, 2014**

भारत सरकार-कॉर्पोरेट कार्य मंत्रालय  
कम्पनी रजिस्ट्रार कार्यालय, महाराष्ट्र, मुंबई

कम्पनी अधिनियम, 1956 की धारा 18 (1) (क)

उद्देश्य-खंडों में परिवर्तन की पुष्टि हेतु विशेष विनिश्चय के पंजीकरण का प्रमाण-पत्र

कॉर्पोरेट पहचान संख्या : U23209MH2005PLC158371

मैसर्स VIDARBHA INDUSTRIES POWER LIMITED

के अंशधारकों ने दिनांक 21/06/2010 को आयोजित की गई वार्षिक / असाधारण बैठक में एक विशेष विनिश्चय पारित करके कम्पनी अधिनियम, 1956 (1956 का 1) की धारा 18 (1) का अनुपालन करते हुए अपने संगम-ज्ञापन के प्रावधानों में परिवर्तन कर लिया है।

मैं, एतद्वारा सत्यापित करता हूँ कि उक्त विशेष विनिश्चय की प्रतिलिपि, यथा परिवर्तित संगम-ज्ञापन के साथ, आज पंजीकृत कर ली गई है।

मुंबई में यह प्रमाण-पत्र, आज दिनांक चौबीस जून दो हजार ग्यारह को जारी किया जाता है।

GOVERNMENT OF INDIA - MINISTRY OF CORPORATE AFFAIRS  
Registrar of Companies, Maharashtra, Mumbai

SECTION 18(1)(A) OF THE COMPANIES ACT, 1956

Certificate of Registration of the Special Resolution Confirming Alteration of Object Clause(s)

Corporate Identity Number : U23209MH2005PLC158371

The share holders of M/s VIDARBHA INDUSTRIES POWER LIMITED having passed Special Resolution in the Annual/Extra Ordinary General Meeting held on 21/06/2010 altered the provisions of its Memorandum of Association with respect to its objects and complied with the Section (18)(1) of the Companies Act, 1956 (No. 1 of 1956).

I hereby certify that the said Special Resolution together with the copy of the Memorandum of Association as altered has this day been registered.

Given at Mumbai this Twenty Fourth day of June Two Thousand Eleven.

Registrar of Companies, Maharashtra, Mumbai

कम्पनी रजिस्ट्रार, महाराष्ट्र, मुंबई

\*Note: The corresponding form has been approved by PADMAVATHI BALAKRISHNAN, Deputy Registrar of Companies and this certificate has been digitally signed by the Registrar through a system generated digital signature under rule 5(2) of the Companies (Electronic Filing and Authentication of Documents) Rules, 2006.

The digitally signed Certificate can be verified at the Ministry website ([www.mca.gov.in](http://www.mca.gov.in)).

कम्पनी रजिस्ट्रार के कार्यालय अभिलेख में उपलब्ध पत्राचार का पता :

Mailing Address as per record available in Registrar of Companies office:

VIDARBHA INDUSTRIES POWER LIMITED  
H BLOCK , 1ST FLOOR, DHIRUBHAI AMBANI KNOWLEDGE CITY, KOPARKHAIRANE,  
NAVI MUMBAI - 400710,  
Maharashtra, INDIA



**GOVERNMENT OF INDIA**  
**MINISTRY OF COMPANY AFFAIRS**

Maharashtra, Mumbai

Everest, 100, Marine Road, , Mumbai - 400002, Maharashtra, INDIA

Corporate Identity Number : U23209MH2005PLC158371

**Fresh Certificate of Incorporation Consequent upon  
Change of Name**


IN THE MATTER OF M/s RELIANCE MINERAL RESOURCES LIMITED

I hereby certify that RELIANCE MINERAL RESOURCES LIMITED which was originally incorporated on TWENTY SEVENTH day of DECEMBER TWO THOUSAND FIVE under the Companies Act, 1956 (No. 1 of 1956) as Reliance Natural Resources Limited having duly passed the necessary resolution in terms of Section 21 of the Companies Act, 1956 and the approval of the Central Government signified in writing having been accorded thereto under Section 21 of the Companies Act, 1956, read with Government of India, Department of Company Affairs, New Delhi, Notification No. G.S.R 507 (E) dated 24/06/1985 vide SRN A02501377 dated 24/08/2006 the name of the said company is this day changed to VIDARBHA INDUSTRIES POWER LIMITED and this Certificate is issued pursuant to Section 23(1) of the said Act.

Given under my hand at Mumbai this TWENTY FOURTH day of AUGUST TWO THOUSAND SIX.



  
(MILIND VITTHALRAO  
CHAKRANARAYAN)  
Maharashtra, Mumbai

 Adl. Registrar of Companies  
Maharashtra Bombay.





Co.No.11/158371



संयुक्त राज्य

कारबार प्रारम्भ करने के लिए प्रमाण-पत्र  
**Certificate for Commencement of Business**

कम्पनी अधिनियम, 1956 की धारा 149 (3) के अनुसार  
 Pursuant of Section 149 (3) of the Companies Act, 1956

मैं एतद्वारा प्रमाणित करता हूँ कि.....

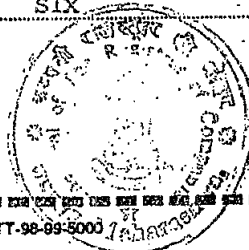
जो कम्पनी अधिनियम, क अधीन तारीख ..... को निर्गमित की गई थी  
 और जिसने आज विहित प्रत्येक रूप से सत्यापित घोषणा फाईल कर दी है कि उक्त अधिनियम  
 की धारा 149 (1) (क) से लेकर (घ) तक/149 (2) (क) से लेकर (ग) तक की शर्तों का अनुपालन  
 किया गया है. कारबार प्रारम्भ करने की हकदार है।

I hereby certify that the Reliance Mineral Resources  
Limited

which was incorporated under the Companies Act, 1956, on the TWENTYSEVENTH  
DECEMBER 2005 day of 20, and which has this day filed a duly verified declaration in  
 the prescribed form that the conditions of Section 149 (1)(a) to (d)/149(2)(a) to (c) of the said  
 Act, have been complied with is entitled to commence business.

मेरे हस्ताक्षर से यह तारीख ..... को  
 मैं दिया गया।

Given under my hand at Mumbai  
 this THIRTEENTH day of FEBRUARY Two thousand  
SIX



(A. S. SINGH)

कम्पनियाँ एवं रजिस्ट्रार  
 ASSTT Registrar of Companies  
 Maharashtra, Mumbai

G-31/ESTT-98-99-5000



गणराज्य भारत  
भारत सरकार  
वित्त मंत्रालय  
पंजीयन विभाग  
मुंबई

पंजीयन क्र. **U23209MH2005PLC158371**

**CERTIFICATE OF INCORPORATION**

मैं यहाँ प्रमाणित करता हूँ कि आज  
कम्पनी अधिनियम (1956 का स. 1) के अन्तर्गत निम्नलिखित को गठित किया गया है और कम्पनी पंजीयन  
है।  
I hereby certify that **Reliance Natural Resources Limited** is this day incorporated  
under the Companies Act 1956 (No. 1 of 1956) and that the Company is Limited.

दिया गया है।  
Given under my hand at **MUMBAI** this **TWENTYSEVENTH** day of  
**DECEMBER** **TWO THOUSAND FIVE**

(M. JAYAKUMAR)  
ASSTY. REGISTRAR OF COMPANIES  
MAHARASHTRA, MUMBAI

THE COMPANIES ACT, 1956  
COMPANY LIMITED BY SHARES  
MEMORANDUM OF ASSOCIATION  
OF

**VIDARBHA INDUSTRIES POWER LIMITED**

- I. The name of the Company is **VIDARBHA INDUSTRIES POWER LIMITED**
- II. The Registered Office of the Company will be situated in the State of Maharashtra i.e. within the jurisdiction of Registrar of Companies, Maharashtra at Mumbai.
- III. The objects for which the Company is established are :

**A. MAIN OBJECTS OF THE COMPANY TO BE PURSUED BY THE COMPANY ON ITS INCORPORATION**

1. To plan, promote, design, engineer, construct, operate and maintain "Generating Station" or "station" as defined under, Section 2 (30) of the Electricity Act, 2003 which means any station for generating electricity, including any building and plant with step-up transformer, switch yard, switch - gear, cables or other appurtenant equipment, if any used for that purpose and the site thereof, a site intended to be used for a generating station, and any building used for housing the operating staff of a generating station and to plan, promote, design, engineer, construct, operate and maintain "power system" as defined under, Section 2 (50) of the Electricity Act, 2003 which means all aspects of generation, transmission, distribution and supply of electricity and includes one or more of the following, namely; generating stations; transmission or main transmission lines; sub-stations; tie-lines; load dispatch activities; mains or distribution mains; electric supply-lines; overhead lines; service lines; works and to plan, promote, develop, design, engineer, construct, operate and maintain "electricity system" as defined under Section 2(25) of the Electricity Act, 2003 and integrated fuel system and fuel transportation system in all aspects including design and engineer; prepare preliminary feasibility, detailed project and appraisal reports; establish; own; construct; operate and maintain electricity system for generation; evacuation; transmission and distribution of power for supply to the State Electricity Boards, Vidyut Boards, Power Utilities, Generating Companies, Transmission Companies, Distribution Companies, State Governments, Licensees, statutory bodies, other organisations (including private, public and joint sector undertakings), electricity trader and consumers of power in accordance with the applicable laws, regulations, policies, procedures, guidelines and objectives prescribed by the Government of India from time to time.
- 1(a). To enter into any contract, Agreements, Memorandum of Understanding, Joint Ventures, Arrangements or such other mode of Contracts with Government of India, State Governments, Foreign Governments, Municipal/Local Authorities, Bodies Corporate, persons or such other Authorities whether in India or Abroad as the Company may deem fit on the basis of Build, Own and Transfer (BOT), Build-Own-Lease-Transfer (BOLT), Build-Own-Operate-Transfer (BOOT), Build-Own-Operate (BOO) or such other methods for the purpose of carrying out the objects of the Company.

**B. OBJECTS INCIDENTAL OR ANCILLARY TO THE ATTAINMENT OF THE MAIN OBJECT**

2. To establish, maintain, conduct, provide, procure or make available services of every kind globally including commercial, statistical, financial, accountancy, legal, management, educational, engineering, data processing, communication and other technological or social services as may be required for efficiently carrying out the main objects of the Company.
3. To enter into any arrangement with the Government of India or with any State Government or with other authorities / commissions, local bodies or public sector or private sector undertakings, Financial Institutions, Banks, International Funding Agencies and obtain such charters, subsidies, loans, advances or other money, grants, contracts, rights, sanctions, privileges, licenses or concessions whatsoever (whether statutory or otherwise) which the Company may think it desirable to obtain for carrying its activities in furthering the main objects of the Company.
4. To plan, promote, develop, design, engineer, construct, operate and maintain railway siding in all aspects including design and engineer; prepare preliminary feasibility, detailed project and appraisal reports; establish; own; construct; operate and maintain, railway siding for transportation of coal and other materials.
5. To build, construct, acquire, erect, install, own, purchase, hire, sell, exchange, operate, maintain, develop, promote, manage, repair, administer, provide communication infrastructure facilities for the purpose of the main objects of the Company
6. To establish, provide, encourage, maintain, conduct, do research and development activities including multidimensional activities and such other tests, studies, thesis, investigations, inventions and improvements or information technology which is likely to assist any of the main objects of the company and for industrial use in general.
7. To discount bills, advance money on the security of goods lying with or under the control of the company, to receive goods for sale and to do all other such acts that may be usual or necessary in order to market the same in connection with the main objects of the Company.
8. To enter into any arrangements with any Government or authorities supreme, municipal, local or otherwise, or any person or company that may seem conducive to the Company's Objects or any of them to obtain from any such Government, authorities, person or company any rights, privileges, charters, contracts, licenses and concessions which the Company may think it desirable to obtain, and to carry out, exercise and comply with any such arrangements, rights, privileges, charters, contracts, licenses and concessions for the purpose of carrying out the main objects of the Company.
9. To enter into negotiations with and enter into arrangements and contracts and conclude the same with foreign and/or Indian parties and other persons for obtaining by grant, license and/or on other terms, formulate and other rights and benefits, and to obtain technical and engineering information, assistance, and service, know-how, and expert advice for installation of plant and machinery required for generation of electricity.