

14th August, 2017
CREG/MUM/MERC/2017/167

To,
Secretary,
Maharashtra Electricity Regulatory Commission,
13th Floor, Centre No 1, World Trade Centre
Cuffe Parade, Colaba, Mumbai 400 005.

Dear Sir,

**Sub: Transmission Licence Amendment Application of Tata Power-T in Case No. 137 of 2016 -
Response to Data Gaps Set 2**

1. Ref: 1 MYT Order in Case no. 22 of 2016 of Tata Power-T dated 30th June, 2016
2. Submission of Transmission Licence Amendment Application to Hon'ble Commission vide letter reference MERC/MUM/2016/267 dated 10th October, 2016
3. Email from Hon'ble Commission on 22nd December, 2016 (Data Gap Set 1)
4. Tata Power-T's Letter CREG/MUM/MERC/2017/32 dated 8th February, 2017 (Data Gap response Set 1 Submission)
5. TVS session held at Office of Hon'ble Commission on 9th February, 2017
6. Email on Data Gaps Set 2 from Hon'ble Commission on 4th August, 2017

This has reference to the data gaps raised through the above mentioned email dated 4th August, 2017 with respect to the Transmission Licence Amendment Application of Tata Power-T in Case No. 137 of 2016.

We are in the Appendix, enclosing our response to the queries raised.

We trust the same is in order.

Yours faithfully,

Swati Mehendale
14/8/17

Ms. Swati Mehendale
Head Regulatory (Western Region)

Swati
14/8/17
OFFICE OF THE
MAHARASHTRA ELECTRICITY
REGULATORY COMMISSION
WTC, COLABA, MUMBAI - 400 005.

Enclosed: Appendix

TATA POWER
The Tata Power Company Limited

Backbay Receiving Station, Regulation Department 148 Lt Gen J Bhonsale Marg Nariman Point Mumbai - 400 021
Tel 91 22 6717 2903

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

CIN : L28920MH1919PLC000567 Website : www.tatapower Email : tatapower@tatapower.com

**Transmission Licence Amendment Application of Tata Power-T in Case No. 137 of 2016 -
Response to Data Gaps Set 2 - Email dated 4th August, 2017**

- 1) **Backbay Receiving Station: As per reply dated 9th February, 2017, the total no. of 33kV Bays as shown in principle approval is 14 no. However, now, it is seen that there is addition of 15 bays (26- 11 existing as per Licence). Please clarify.**

Response

The Hon'ble Commission had approved an addition of 14 nos. 33 kV Bays at Backbay, in the "In-principle" clearance received for the DPR for "Installation of additional 33 kV bays at Borivali, Malad and Backbay Receiving Station" vide reference letter MERC/TECH-VII/CAPEX/20122013/02113 dated 21st December, 2012. The relevant extract of the in-principle clearance is as shown below:

Appendix – A

“ Installation of additional bays at Borivali, Malad & Backbay R/s

(All Price are in rs. Lakhs)

Sr No	Description	UoM	Per unit cost	Backbay		Borivali		Malad	
				Qty	Item Price	Qty	Item Price	Qty	Item Price
1	Civil works for 33kv Installation			1	20	1	20	1	20
2	Procurement of 33kV GIS complete with CTs, Dummy panels disconnections, BCU/BCPU equipment	Rs Lakhs/ bay	43.75	12	525	9	393.75	10	437.5
3	Additional PT's required for Protection and Metering	Rs Lakhs/ bay	1.8	2	3.6	2	3.6	2	3.6

Of these 14 approved transmission bays, 13 nos. 33 kV transmission bays have been commissioned at Backbay during FY 2014-15 and FY 2015-16 (11 nos. in FY 2014-15 and 2 nos. in FY 2015-16). In line with this addition of 13 nos. 33 kV transmission bays at Backbay, Tata Power-T in its Transmission Licence Amendment Application Petition (which was submitted on 10th October, 2016 to Hon'ble Commission) has requested to amend the Existing bays Item No. 31 - "11 No. of 33 kV Bays at 220 kV Backbay Receiving Station" in Transmission Licence No. 1 of 2014 of Tata Power-T as "24 No. of 33 kV Bays at 220 kV Backbay Receiving Station"

Further during Technical Validation session (TVS) which was held on 9th February, 2017, the Hon'ble Commission had directed State Transmission Utility (STU) to authenticate the claims of Tata Power-T for the revised number of transmission bays. The para in the minutes of the meeting of TVS session as depicted below -

....

5. STU stated that, as far as minor changes proposed by TPC-T are concerned, it has no comments to offer. However, regarding major changes, it would require additional two weeks' time to submit comments. The Commission observed that due diligence on the part of STU is necessary while examining such proposals and offering comments. In the present case, STU would require to authenticate the claims of TPC-T for the revised number of Bays. STU stated that it would provide its comments on TPC-T's Application for amendment of Transmission Licence within two weeks.

Accordingly STU has verified the SLD's of Tata Power-T's receiving stations and submitted their final comments to Hon'ble Commission vide letter reference MSETCL/CO/C.E.-STU/R&C-4246 dated 21st April, 2017. We are submitting copy of this letter as **Annexure 1** to this submission. During the SLD verification of Backbay Receiving Station, it was observed that Tata Power-T has inadvertently missed out 2 nos. 33 kV bus PT's which were always a part of Backbay Receiving Station. In line with the above verification by STU, we are now requesting Hon'ble Commission to amend the Existing bays Item No. 31 - "11 No. of 33 kV Bays at 220 kV Backbay Receiving Station" in Transmission Licence No. 1 of 2014 of Tata Power-T as **"26 No. of 33 kV Bays at 220 kV Backbay Receiving Station"**

2) Please clarify whether the revision in above asset was submitted as a part of MYT Petition in Case No. 22 of 2016. Provide extracts of Petition submission

Also dates of commissioning of these bays shall be submitted along with the bays configuration.

Response

We wish to submit that the addition of total 11 nos. 33 kV transmission bays at Backbay Receiving Station was part of MYT Petition in Case No. 22 of 2016 in final true up exercise of FY 2014-15. The balance 2 nos. 33 kV transmission bays which were commissioned in FY 2015-

16 at Backbay Receiving Station were not part of submission for provisional truing up of FY 2015-16, the same will be included in final truing up submission for FY 2015-16 during MTR. We are submitting copy of data gap response submitted for addition of Bays & Ckt. km during FY 2014-15 to FY 2019-20 (Refer query No. 8) as **Annexure 2** to this submission. Further, as explained in the earlier query, we will also include 2 Nos. 33 kV bus PT bays which were inadvertently missed out in the final truing up submission for FY 2015-16 during MTR.

The 13 Nos. of 33 kV transmission Bays at Backbay were commissioned as per "In-principle" clearance received for the DPR for "Installation of additional 33 kV bays at Borivali, Malad and Backbay Receiving Station" vide reference letter MERC/TECH-VII/CAPEX/20122013/02113 dated 21st December, 2012. These transmission bays were commissioned on 14th January, 2015.

The configuration of total 26 nos. of 33 kV Bays at Backbay Receiving Station is as follows

- **11 nos. 33 kV transmission bays** - Outgoing Feeders
- **4 nos. 33 kV transmission bays** - Bus PT's
- **3 nos. 33 kV transmission bays** - Transformer Incomers
- **3 nos. 33 kV transmission bays** - Reactors
- **2 nos. 33 kV transmission bays** - Station Transformers
- **2 no. 33 kV transmission bay** - Bus Section Breakers
- **1 no. 33 kV transmission bay** - Capacitor Bank

- 3) *Vikhroli Receiving Station: - TPC-T has mentioned that four 22 kV bays have been decommissioned. Dates of decommissioning may be submitted, along with impact of GFA reduction.*

Response

We wish to submit that as a part of the dismantling of the outdoor 22 kV switchyard at the Vikhroli Receiving Station, 4 nos. 22 kV outdoor transmission bays were decommissioned and transferred to indoor switchgear. These 4 nos. 22 kV transmission bays at Vikhroli Receiving Station was decommissioned along with associated equipment on 14th December, 2015. The impact of the decommissioning was Rs **1.16 Crores** in GFA of Tata Power-T for FY 2015-16.

This impact will be considered as part of final true up of FY 2015-16 scheduled to be submitted in the MTR Petition.

- 4) ***A part of 110kV Trombay Dharavi 2 Transmission Line, Trombay Receiving Station:- It is submitted that two additional 220 kV bays have been commissioned over the DPR approval. Please clarify whether the revision in above asset was submitted as a part of MYT Petition in Case No. 22 of 2016. Provide extracts of Petition submission***

Response

The two additional 220 kV transmission bays (2 nos. 220 kV Bays (1 no. of 220 kV Transfer Breaker at Trombay and 1 no. 220 kV Incomer source for the future 220 kV Antop Hill Receiving Station) which have been commissioned over the DPR approval was part of MYT Petition in Case No. 22 of 2016. We are submitting copy of data gap response submitted for addition of Bays & Ckt. km during FY 2014-15 to FY 2019-20 (Refer query No. 8) as **Annexure 2** to this submission.

- 5) ***Saki Receiving Station:- It is submitted that 5 nos. of bays have been commissioned as per DPR approval dated 8 November, 2010. However, in the approval letter, no 22 kV Bay is seen. Also, the DPR was for approval of 22 kV bus section with 33kV GIS. Hence, there may not be new commissioning of 22 kV Bays. Please clarify.***

Response

The Hon'ble Commission has accorded in-principle clearance for DPR "Replacement of 22 kV Bus-sections 1 and 2 at Saki Receiving Station". It may be noted that the replacement was made with 33 kV class switchgear however, these transmission bays continue to be operated at 22 kV voltage level. Further, the approval included replacement as well as addition of bays. We are submitting copy of in-principle clearance dated 8th November, 2010 as **Annexure 3** to this submission.

- 6) ***Parel receiving station:- It is submitted that 10 nos. of 33kV bays of proposed 12 nos. of 33 kV bays have been commissioned during FY 2014-15. However, the DPR details are not submitted.***

Response

The 10 nos. 33 kV transmission bays at Parel Receiving Station were commissioned in line with the In-principle clearance for DPR received from Hon'ble Commission for "Installation of 1 no. 75 MVA, 110/33 kV transformer and 33 kV GIS at Parel Receiving Station". We are submitting copy of in-principle clearance dated 13th March, 2010 as **Annexure 4** to this submission.

Kindly note as against 14 nos. 33 kV transmission bays as mentioned in brief scope of work in the approved DPR, Tata Power-T has commissioned 10 nos. 33 kV transmission bays at Parel Receiving Station.

- 7) Mankhurd Receiving Station:- It is submitted that 7 nos. of 110kV bays of proposed 11 nos. of 110 kV bays have been commissioned during FY 2014-15. However, the DPR details are not submitted.**

Response

The 7 nos. 110 kV transmission bays at Mankhurd Receiving Station were commissioned in line with an In-principle clearance for DPR received from Hon'ble Commission for "Installation of 145 kV GIS at Mankhurd Receiving Station". We are submitting copy of in-principle clearance dated 26th November, 2010 as **Annexure 5** to this submission.

- 8) Malad receiving station:- It is submitted that 1 no. of additional 22kV bays has been commissioned over and above DPR approval. Please clarify whether revised in principle approval was obtained for additional 22 KV bay. Whether the additional cost has been approved by the Commission in any proceeding?**

Response

We wish to inform Hon'ble Commission that Tata Power-T has commissioned 1 no. 22 kV transmission bay over and above DPR in-principle clearance in case of capital expenditure scheme of "Replacement of 22 kV Bus sections at Malad Receiving Station". We are submitting copy of in-principle clearance dated 25th January, 2012 as **Annexure 6** to this submission. This bay was commissioned keeping in view future requirement of the distribution utilities around these areas. It has also been intimated to STU for formal allocation of this bay to distribution utilities. Further this bay was procured and commissioned

within the DPR approved cost of **Rs. 12.24 Crores**, hence no additional cost was incurred. The estimated capitalisation of **Rs. 6.91 Crores** was submitted in provisional true-up for FY 2015-16 in MYT petition of Tata Power-T in case of 22 of 2016.

- 9) ***Mahalaxmi Receiving Station:- It is submitted that total 3 nos. of additional 220kV bays has been commissioned over and above DPR approval. Please clarify whether revised in principle approval was obtained for additional 220 KV bays. It is submitted that total 8 nos. of additional 33kV bays has been commissioned over and above DPR approval. Please clarify whether revised in principle approval was obtained for additional 33 KV bay. Whether the additional cost has been approved by the Commission in any proceeding?***

Response

Tata Power-T had submitted an Detailed Project Report (DPR) of "Installation of 220 kV GIS Receiving Station at Mahalaxmi" with a scheme value of **Rs. 63.58 Crores** for "in-principle" clearance of the Hon'ble Commission on 14th March, 2007. The Hon'ble Commission had granted its "in-principle" clearance to the DPR by their letter MERC/CAP/DPR/17/08/227 dated 17th January, 2008. Subsequent to the "in-principle" clearance, during execution, the cost of the project was estimated to increase from the approved value of **Rs. 63.58 Crores** to **Rs. 114.61 Crores** on account of change in scope as described in query above, higher civil and BOP package cost and additional IDC cost.

Further in reference to cost overrun in "245 kV GIS at Mahalaxmi Receiving Sub-station' scheme, the Hon'ble Commission in the MYT order of Tata Power-T in case No. 22 of 2016 dated 30th June, 2016 has directed Tata Power-T, to submit the revised DPR with the additional scope of work and the reasons for revision for the Commission's approval. The relevant extract of MYT order is depicted below -

"6.3.6 The Commission asked TPC-T to explain the cost over-run in the '245 kV GIS at Mahalaxmi Receiving Sub-station' scheme. TPC-T has replied that it has proposed Rs. 43.26 Crore owing to the change in scope due to an additional GIS Bay and higher civil and BOP package cost. TPC-T has also proposed Rs 7.50 as additional IDC cost. The Commission has approved the cost of the project based on the approved cost and has not allowed the additional amount of Rs. 50.44 Crore. TPC-T should submit a revised DPR with the additional scope of work and the reasons for revision for the Commission's

approval. This disallowance leads to reduction in capitalisation of Rs 12.44 Crore in FY 2016-17, Rs 8.0 Crore in FY 2018-19 and Rs 30.0 Crore in FY 2019-20."

Accordingly Tata Power-T has submitted revised DPR with the additional scope of work and the reasons for revision for the Commission's approval for "Installation of 220 kV GIS at Mahalaxmi" to Hon'ble Commission for its in-principle clearance vide reference letter REG/MUM/MERC/2017/66 dated 12th April, 2017. We are submitting a copy of the covering letter dated 12th April, 2017 as **Annexure 7** to this submission.

10) For each receiving station, bay configuration for respective voltage level (in which amendment/rectification is proposed) shall be submitted.

Response

We are submitting list for each receiving station, bay configuration for respective voltage level in which amendment/rectification is proposed as **Annexure 8** to this submission.


MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

CIN U40109MH2005SGC153646

<i>From the office of Chief Engineer (STU)</i>	
 Prakashganga, 4 th floor/ 'A' Wing, Plot C -19, E - block, BKC, Bandra (E), Mumbai:-51	
 (022) 2659 5175,	 +91 9769006175,
 (022) 2659 1222,	 cestu@mahatransco.in

NO: MSETCL/CO/C.E.-STU/R&C- 4246

DATE: 21 APR 2017

To,
 The Principal Secretary,
 Maharashtra Electricity Regulatory Commission,
 13th Floor, Centre No.1, World Trade Centre,
 Cuffe Parade, Colaba,
 Mumbai- 400005.

Sub: Re-submission of STU's Comments for amendments of Transmission License under section 18 of Electricity Act 2013 of TPC-T (License No 1 of 2014 dated 14.08.2014).

Ref.:1) MSETCL/CO/CE-STU R&C/No 2555 dated 10 Mar 2017.

2) MERC Transmission License No.1 of 2014 dated August 04,2014

3) Minutes of TVS for the application of TPC-T for Transmission Licensee amendment Feb 09,2017 of Case No.137/2016.

4) Tata Power Co. Ltd. L.N. CREG/MUM/STU/2017/63 Dated 11st April 2017.

Respected Sir,

With reference to No. 1, the STU's Comments was submitted for amendments of Transmission License of TPC-T (License No 1 of 2014 dated 14.08.2011) to Hon'ble Commission.

However, in the process of finalization of SLD of receiving Stations, TPC-T identified certain discrepancies during counting of bays.

Subsequently the same is verified jointly again and submitted herewith.

STU request for condone resubmission.

Yours Faithfully,

Chief Engineer (STU)

Encl: - As above.

Copy s.w.r.to :- Head Regulatory (Western Region), Tata Power Co. Ltd, Matunga , Mumbai- 400019, the same type discrepancies should not be happen in future.

Days Verification Report to STU as on 12th April 2017

MERC Case No. 137 of 2016

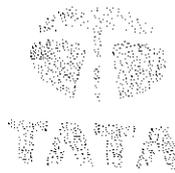
The Tata Power Company Ltd. - Transmission, Mumbai.

Name of Receiving Station	Voltage Level	As in IPC-T Petition	Final nos. as per SID	Remarks
Ambemath	110	12	12	
	22	22	22	
Backbay	220	7	7	
	110	12	12	
	33	24	26	Two Bus PT missed out
Bandra Kurla Complex	110	9	9	
	33	36	36	
Bhivpuri	110	1	1	
Borivli	220	14	14	
	110	19	19	
	33	29	29	
	22	37	37	
Carmac	220	4	4	
	110	17	16	One bay inadvertently added
	33	58	58	
	22	27	27	
Central Railway (Wadala)	110	4	2	2 Line PT inadvertently added
Chembur	110	10	10	
	22	32	31	1 Bay inadvertently added
	11	4	4	
Davdi	110	7	7	
Dharavi	220	13	13	
	110	33	33	
	33	71	76	Incorrect cross count of 33 & 22 kv
	22	73	69	Incorrect cross count of 33 & 22 kv
Grant Road	110	5	5	
Bhokarpada (IXORA) Receiving Station	110	8	8	
	33	27	27	
Kalyan	110	16	16	
	22	21	21	
Kolshet Receiving Station	110	7	7	
	22	16	16	
Mahalaxmi	220	8	8	
	110	15	15	
	33	30	30	
Malad	22	30	30	
	110	13	13	
Mankhurd	22	37	37	
	110	14	9	
MSETCL Receiving Station Borivli and Kurla	22	15	15	
	220	4	4	
Panvel	110	4	4	
	22	9	9	
Parel	110	21	21	
	33	36	36	
	22	41	41	
	7	28	28	
Powai	110	10	10	
	33	27	27	
Sahar Receiving Station	220	9	9	
	33	40	40	
Saki	220	9	9	
	110	10	10	
	33	25	25	
	22	53	57	Eronceously missed out
Sablette Receiving Station	220	15	15	
	110	21	23	2 PT missed out from New GIS
	22	33	33	
Trombay	220	5	5	
Versova	110	4	2	2 Line PT inadvertently added
	33	20	20	
Vidya Vihar	110	10	10	
	22	40	40	

Verified by
[Signature]

Executive Director
STU (Regulatory)
M.S.E.T.S.L.

S.B. Patil
20/04/17



22th February, 2016
 CREG/MUM/MERC/2016/44

To,
 Principal Secretary,
 Maharashtra Electricity Regulatory Commission,
 13th Floor, Centre No 1, World Trade Centre
 Cuffe Parade, Colaba, Mumbai 400 005.

Dear Sir,

Sub: MYT Petition of Tata Power-T – Case 22 of 2016 - Response to Data Gaps

Ref: email dated 14th February, 2016

(Data Gaps Set 1, Letter -1)

This has reference to the queries raised through your above mentioned email with respect to the MYT Petition of Tata Power-T in Case 22 of 2016.

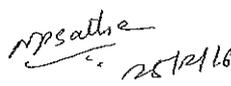
We are in the Appendix, enclosing our response to the queries raised.

We trust the same is in order.

Yours faithfully,


 Ms. Swati Mehendale
 Head - Regulations (M), Corporate Regulation-Mumbai Office

Encl: Appendix


 OFFICE OF THE
 MAHARASHTRA ELECTRICITY
 REGULATORY COMMISSION
 WTC, COLABA, MUMBAI - 400 005.

TATA POWER

The Tata Power Company Limited

13th Floor, Centre No 1, World Trade Centre

Cuffe Parade, Colaba, Mumbai - 400 005

Phone: 022-2611 1111

Annexure 2

22th February, 2016
CREG/MUM/MERC/2016/44

To,
Principal Secretary,
Maharashtra Electricity Regulatory Commission,
13th Floor, Centre No 1, World Trade Centre
Cuffe Parade, Colaba, Mumbai 400 005.

Dear Sir,

Sub: MYT Petition of Tata Power-T – Case 22 of 2016 - Response to Data Gaps

Ref: email dated 14th February, 2016

(Data Gaps Set 1, Letter -1)

This has reference to the queries raised through your above mentioned email with respect to the MYT Petition of Tata Power-T in Case 22 of 2016.

We are in the **Appendix**, enclosing our response to the queries raised.

We trust the same is in order.

Yours faithfully,

Ms. Swati Mehendale
Head - Regulations (M), Corporate Regulation-Mumbai Office

Encl: Appendix

Response to Queries received through email dated 14th February, 2016 in Case 22 of 2016

- 1) *Audited annual accounts for FY 2014-15 and allocation statement - To provide audited copy of annual accounts for FY 2014-15. Also provide the reconciliation statement / allocation statement for the financial statements. This allocation statement should contain bifurcation of all components into Generation, Transmission, Distribution and other business*

Response

The copy of audited Annual Accounts for FY 2014-15 has been submitted as part of our MYT Petition dated 1st February, 2016. However, we are enclosing the same as **Annexure 1** to this response.

Further, we have enclosed the reconciliation statement / allocation statement issued by statutory auditors for the period FY 2014-15 as **Annexure-2** to this response.

- 2) *Employee Cost details - To provide the details and break up of other allowances, staff welfare expenses, Gratuity Payment and Bonus/ Ex-gratia payments. Further to provide details of interim relief/wage revision and how is it linked to salary review specified in para 4.1.1. The above details needs to be provided for FY 2014-15 & FY 2015-16*

Response

We have provided below the details and breakup with respect to various expenditure items for FY 2014-15 and FY 2015-16. It may be noted that as Q3, FY 2015-16 is over, we have provided the provisional actuals for FY 2015-16 till YTD December, 2015

Other Allowances:

Table 1: Other Allowances – FY 2014-15

Other Allowance	Rs. Crores
	FY 2014-15
Educational Benefit A/c	0.37
Scholarships	0.04
Self Education	0.00
Special Allowance	0.03
Personal Pay (Mgt & Stf)	1.11
Remote Station Allowance	0.04
Trading Allowance	0.00
Deputation Allowance	0.08
Project Site Allowance	0.00
Transfer Grant	0.02
City Compensatory Allowance	0.28
Compensatory Allowance	0.02
Telephone Allowance	0.30
Utility Allowance	0.54
Car EMI To Employees	0.64
Employer's Tax On Perquisite Paid By Employer	0.25
Cash Allowance	13.81
Other Allowances	1.48
Service Allowance	0.24
Super Annuation Allowance	2.52
Total	21.75

Table 2: Other Allowances – FY 2015-16

Other allowance	Rs. Crores
	YTD Dec FY 2015-16
EBE-Car EMI To Emp	0.46
EBE-Cash Allow	10.12
EBE-City Comp Allow	0.21
EBE-CompensatryAllow	0.01
EBE-EducationBenefit	0.23
EBE-EmplyrsTaxPerqPd	0.04
EBE-Oth Allow	1.21
EBE-Personal Pay-M&S	0.79
EBE-RemoteStatnAllow	0.01
EBE-Scholarship	0.04
EBE-Special Allow	0.01
EBE-Super AnnuationA	2.01
EBE-Telephone Allow	0.21
EBE-Trading Allow	0.00
EBE-Utility Allow	0.38
EBE-ProjectSiteAllow	0.00
EBE-Deputation Allow	0.00
Total	15.73

Staff Welfare Expenses

Table 3: Staff Welfare Expenses -- FY 2014-15

	<i>Rs. Crores</i>
Staff Welfare Expenses	FY 2014-15
Employees Deposit Linked Insurance Scheme	0.06
Staff Welfare Expenses (Group)	0.00
Medical Centre Expenses	0.31
Rental Of Leased Flats	4.94
Sports Club Expenses	0.46
Contribution To ESIC	0.01
School Grants	0.00
Group Insurance Scheme	0.00
Sundry Welfare Expenses	1.39
Sundry Welfare - Transport Residence To Office	0.00
Festival Celebrations	0.03
Food Allowance	0.03
Safety Apparels/Uniforms & Washing Allowance	0.08
Long Service Awards	0.63
Retirement Gifts	0.15
Hospitalisation Inservice Expenses	0.28
Post Retirement Medical Expenses	1.93
Contribution To Bombay Labour Welfare Fund	0.00
Canteen Expenses -Employees	1.44
Canteen Exp-Service	0.42
Canteen Expenses (O & S)	0.00
Car Maintainance Reimbursement	0.00
Driver Exps Reimbursement	0.00
Periodicals Reimbursement	0.00
Rental Of Leased Assets	0.84
Total	13.01

Table 4: Staff Welfare Expenses – FY 2015-16

	<i>Rs. Crores</i>
Staff welfare expenses	YTD Dec FY 2015-16
EBE-Books&Periodical	0.00
EBE-Canteen Exp -Emp	0.77
EBE-Canteen Exp-Serv	0.51
EBE-Car Maint Reimb	0.10
EBE-Contrib To ESIC	0.01
EBE-Driver Exp Reimb	0.40
EBE-EDLI Scheme	0.08
EBE-Festival Celeb	0.02
EBE-Group InsurSchem	0.00
EBE-HospitInServExp	0.16
EBE-Long Serv Awards	0.04
EBE-PostRetireMedExp	0.34
EBE-Rental-LeasedCar	1.04
EBE-Rental-LeaseFlat	4.05
EBE-Retirement Gifts	0.04
EBE-SafetyApprl/Unif	0.15
EBE-School Grants	0.00
EBE-Sports Club Exp	0.13
EBE-Staff WelfareExp	0.75
OOE-Tel Exp-Reimb	0.46
EBE-S Welfare-Transp	0.00
EBE-Contrib To LWF	0.00
Total	9.05

Gratuity Payment:

Table 5: Gratuity Payment – FY 2014-15

	<i>Rs. Crores</i>
Gratuity	FY 2014-15
Retiring Gratuities	6.13
Death In Service	0.30
Total	6.43

Table 6: Gratuity Payment – FY 2015-16

	<i>Rs. Crores</i>
Gratuity	YTD Dec FY 2015-16
EBE-RetiringGratuity	4.97
EBE-Death In Serv	0.19
Total	5.16

Bonus / Ex-Gratia Payment

Table 7: Bonus / Ex-Gratia Payment – FY 2014-15

	<i>Rs. Crores</i>
Bonus/Ex-gratia payments	FY 2014-15
Bonus	0.02
Performance Award To Officers	12.82
Merit Pay	0.00
Annual Gift - Union	0.72
Perf Award - Union Staff	0.39
Total	13.95

Table 8: Bonus / Ex-Gratia Payment – FY 2015-16

	<i>Rs. Crores</i>
Bonus/Ex-gratia payments	YTD Dec FY 2015-16
EBE-Annual Gift	0.48
EBE-Perform Award-Of	7.64
EBE-Perform Award-Un	0.27
EBE-Bonus	0.22
Total	8.61

Details of Interim Relief / Wage Revision:

In this regard, we wish to submit that the expenditure under the above mentioned head is towards the projected salary increase for the Non management staff. The settlement is under finalisation and hence, there is no specific breakup available for this amount. However, once the settlement is finalised, this amount will get allocated under the various Salary Heads as listed in Form 2.3.

This amount is related to the salary review specified in Para 4.1.1.

- 3) *A&G Expenses details. To provide the details and break up of cost of (a) services procured (b) V-sat, internet and related charges (c) Professional, consultancy, technical fee (d) legal and consulting charges and (d) Others. The above details needs to be provided for FY 2014-15 & FY 2015-16*

Response

The details and break up of cost of (A) services procured (B) V-sat, internet and related charges (C) Professional, consultancy, technical fee (D) legal and consulting charges and (E) Others for FY 2014-15 & FY 2015-16 [YTD Q3, FY 2015-16] is presented in following Tables:

Cost of Services Procured:

Table 9: Cost of Services – FY 2014-15 & FY 2015-16

	Rs. Crores		Rs. Crores
Cost of services procured:	FY 2014-15	Cost of services procured:	YTD Dec FY 2015-16
Cost Of Services	6.79	OE-Cost of Service	7.50
Cost Of Services Housekeeping	0.03	OE-Cost of Serv-Outs	0.00
Cost Of Services - Security	0.13	Total	7.50
Cost Of Services - TCE	0.00		
Total	6.95		

V-Sat, Internet & Related Charges:

Table 10: V-Sat, Internet & Related Charges – FY 2014-15 & FY 2015-16

	Rs. Crores		Rs. Crores
V-sat internet charges	FY 2014-15	V-sat internet charges	YTD Dec FY 2015-16
Services - Software 7300	2.42	OOE-Software Exp	1.33
ERP Expenses (SAP)	1.00	OOE-ERP Exp-SAP	1.19
Total	3.42	Total	2.52

Professional Consultancy, Technical Fee:

Table 11: Professional Consultancy, Technical Fee – FY 2014-15 & FY 2015-16

<i>Rs. Crores</i>		<i>Rs. Crores</i>	
Professional, Consultancy, Technical Fee	FY 2014-15	Professional, Consultancy, Technical Fee	YTD Dec FY 2015-16
Itax Consultant's Fees	0.11	OE-Consult Fee - #Audit	2.36
Consultant's Fees	2.23	OE-Consult Fee - Audit	0.02
Consultants	0.21	OE-Consult Fee - Foreign	0.04
Consultancy Fees - Engineering	0.01	OE-Consult Fee - I Tax	0.02
Consultancy Fees - Outsource	0.00	Total	2.44
Total	2.56		

Legal & Consultancy Charges:

Table 12: Legal & Consultancy Charges – FY 2014-15 & FY 2015-16

<i>Rs. Crores</i>		<i>Rs. Crores</i>	
Legal and Consulting Charges	FY 2014-15	Legal and Consulting Charges	YTD Dec FY 2015-16
Statutory Audit Fees	0.42	AR-Audit Rem-Oth Fee	0.13
Statutory Auditors' Fees -Other Services	0.18	AR-Audit Rem-St Audit	0.42
Statutory Auditors' Travelling Expenses	0.00	MISC-Cost Audit Fees	0.02
Cost Audit Fees	0.01	MISC-Inspect Fees-PF	0.04
Internal Audit Fees	0.17	OE-Legal Chrg	1.08
Inspection Fees Re: Provident Fund	0.04	MISC-Internal Audit Fe	0.06
Legal Charges	2.00	Total	1.75
Total	2.82		

Others:

Table 13: Others – FY 2014-15 & FY 2015-16

Rs. Crores		Rs. Crores	
Others A&G	FY 2014-15	Others A&G	YTD Dec FY 2015-16
Brokerage - Miscellaneous	0.13	MISC-CompensationExp	0.00
Directors Fees	0.04	MISC-Directors Fees	0.05
Commission To Non-Executive Directors	0.57	OE-Ash Disposal Exp	0.00
Claims & Compensations	0.00	OE-Prov-Continge-P&L	0.00
Other Administration Expenses	0.00	OE-Warranty Chrg	0.00
Payments On A/c Of Previous Years	-0.01	OOE-CanteenExp-Guest	0.03
Cost Of Services - Contracts	0.00	OOE-Comm-BankGuarant	-0.02
Other Fees	2.43	OOE-Entertainment	0.01
Recruitment Expenses	0.13	OOE-F&F/LooseTool<Sk	0.00
Fees For Conferences	0.00	OOE-Fees-Conferences	0.03
Business Development Expenditure	0.00	OOE-Gifts	0.03
Entertainment	0.02	OOE-GuestHouseExplnc	0.00
Canteen Expenses -Guest	0.00	OOE-Hotel Exp	0.07
Miscellaneous	0.02	OOE-Other Fees	0.59
Gifts	0.02	OOE-OthExp-LeaseAsst	0.00
Rounding Of Difference	0.00	OOE-Penalties/Fines	0.00
Warranty Charges	0.00	OOE-QualityMngmntSys	0.00
Ash Disposal Expenses	0.00	OOE-Recruitment Exp	0.06
Other Expenses	0.00	OOE-TBEM Exp	0.03
Other Expenses Re: Leased Assets	0.00	OOE-Trnsprt-STaxPybl	0.01
Transport Charges- Service Tax Not Payable	0.00	OOE-Trnspt-Stax#Pybl	0.10
Transport Charges - Service Tax Payable	0.00	OOE-Other Admin Exp	0.00
Guest House Expenses Incurred	0.00	OOE-Obselece Prov	0.00
Penalties / Fines A/c	0.00	OOE-Business Develop	0.00
Furniture Tools (below Rs.500) W/o	0.00	MISC-RegistrationFee	0.00
Scrapping Of Material	0.00	OOE-Scrap StockIssue	0.00
Loss Sale of Inventories	0.00	OOE-HRD-Other Exp	0.00
Furniture/Loose Tools (Below Rs.5,000)	0.00	OOE-Reval Loss-FAsst	0.00
Other Operation Expenses Group - Non-electricity	0.00	Total	1.00
Application And Assessment Expenses (TBEM)	0.05		
Benchmarking And Training Expenses (TBEM)	0.01		
Knowledge Management Expenses (TBEM)	0.08		
Quality Management System:ISO 9000	0.00		
Hotel Expenses	0.08		
Obselece Provision	0.00		
Total	3.57		

- 4) Documentary evidence for employee cost expenses - In its Petition TPC-T submitted that within Employee expenses, "there was an increase in allocation from HOSS on account of Salary review of a set of employees, which will have retrospective effect & liability. The impact of the same to the extent of Rs. 21.33 Crores has been provisioned as Rs. 21.33 crores in FY15 for 4 quarters as against 1 quarter in FY14". Why effect on retrospective and past has been considered simultaneously? TPC-T also submitted that this amount includes impact of related / associated benefits like retrials and staff welfare. In this regard TPC-T to provide head-wise details of such expenditure along with the documentary evidence.

Response

We regret we are not quite clear with the query asked. However, as explained earlier, the provision for Salary review has been made on account of projected cost increase in Salary Cost for the Non Management Staff. The Settlement process is in progress, however, when it is finalised, it will be effective 1st January, 2014. In view of this, the impact is considered for 1 quarter i.e. from 1st January, 2014 to 31st March, 2014 for FY 2013-14, whereas for FY 2014-15, the same has been provisioned for the entire financial year i.e. 4 quarters, amounting to Rs. 21.33 Crores. Further, the settlement is under finalisation and hence, there is no specific breakup available for this amount. However, once the settlement is finalised, this amount will get allocated under the various Salary Heads as listed in Form 2.3.

- 5) *Medi-claim insurance premium - TPC-T in its petition submitted that "there is a slight increase in manpower at HOSS and increase in staff welfare expenses on account of increase in medi-claim insurance premium". In this regard TPC-T to provide exact amount on these accounts; with documentary evidence for the same.*

Response

In this regard, we wish to submit that in para 4.1.1, we had provided an explanation for increase in expenditure of FY 2014-15 as compared to the actual expenditure for FY 2013-14. While there were certain non-recurring nature of increase in expenditure, the other increases are related to the year on year increases related to salaries. While increase of around Rs. 3 Crores is on account of projected salary increase of non-management staff for Transmission Business, the other increase is primarily on account of annual increase in salary components and increase of employees (~ Rs. 6 Crores), Staff Welfare Expenses (~ Rs. 2.5 Crores on account of increase in Rental of Leased Flats), increase in pension / gratuity (~ Rs. 5 Crores), post retirement medical expenses (Rs. 0.60 Crores). Further, it may be noted that expenditure in FY 2013-14 was lower as compared to FY 2012-13, for which explanation was provided in the MTR petition. The Employee expenditure for FY 2012-13 was Rs. 80.14 Crores. The breakup of increase is provided in the Table below:

Table 14: Increase in Employee Expenditure FY 2014-15

Particulars	FY 2013-14	FY 2014-15	Variance
Basic Salary	18.95	22.26	(3.31)
Dearness Allowance (DA)	8.25	8.25	0.01
House Rent Allowance	1.71	3.33	(1.62)
Conveyance Allowance	1.46	1.42	0.04
Leave Travel Allowance	0.73	0.80	(0.08)
Earned Leave Encashment	1.30	3.92	(2.62)
Other Allowances	18.80	21.75	(2.95)
Medical Reimbursement	2.71	2.71	0.00
Overtime Payment	1.44	1.82	(0.38)
Bonus/Ex-Gratia Payments	10.71	13.95	(3.24)
Interim Relief / Wage Revision	0.97	3.95	(2.97)
Staff welfare expenses	8.44	13.01	(4.56)
VRS Expenses/Retrenchment Compensation	0.21	0.93	(0.72)
Commission to Directors	0.67	1.17	(0.49)
Training Expenses	-	-	-
Payment under Workmen's Compensation Act	-	-	-
Net Employee Costs	-	-	-
Terminal Benefits	-	-	-
Provident Fund Contribution	2.90	3.03	(0.13)
Provision for PF Fund	-	-	-
Pension Payments	1.23	1.53	(0.30)
Gratuity Payment	1.27	6.43	(5.17)
Others - Emp	1.87	2.06	(0.19)
Less: Expenses Capitalised	(14.22)	(22.13)	7.91
Net Employee Expenses	69.41	90.18	(20.77)

- 6) Actuarial report - TPC-T submitted in its petition that "additional provision of Rs. 5 Crores towards pension & gratuity based on actuarial report has been considered". TPC-T to provide the actuarial report for this expenditure.

Response

The copies of actuarial report are attached as **Annexure-3 & Annexure-4** to this submission.

- 7) Employee cost - TPC-T submitted in its petition that "the two departments Central Civil and Central Construction, which were exclusively carrying out work for Licence Area, were categorised under HOSS for the entire organisation, i.e. the cost of these departments was allocated to Licence Area and Businesses other than Licence Area of Tata Power. However, as these departments are exclusively carrying out activities only for the Licence Area, these departments have been shifted to HO of the Licence Area. In view of this the cost allocation, which was earlier also shared by Businesses other than Licence Area would now be shared only within the Licence Area. Hence, the employee

cost has increased as compared to FY 2013-14.” TPC-T to indicate the amount which has been shared within the Licence area with documentary evidence for the same.

Also TPC-T submitted that “the impact of all the above is an increase in allocation of HOSS employees to the extent of Rs. 10 Crores”. TPC-T to specify the breakup of Rs 10 Crore. Further, it is unclear if this is the net amount of all the points above or impact only for the last component.

Response

In this regard, we wish to submit that employee cost of the above mentioned departments for FY 2014-15 is as shown below:

Table 15: Employee Expenditure for the Two Departments for FY 2014-15

Department	Employee Cost
Central Civil	1.46
Central construction	4.26
Total	5.72

As per earlier practice, Rs. 4.29 Crores of the above expenditure would have been allotted to the Licence Area. However, on account of change in cost allocation, the entire amount of Rs. 5.72 Crores is allotted to Licence Area. On account of this the additional impact on Transmission Business is Rs. 0.36 Crores.

As explained above, the impact of Rs. 10 Crores is on account of all the points mentioned in the paragraph 4.1.1 of the submission of which the impact on account of the above mentioned departments is Rs. 0.36 Crores.

- 8) *Scheme wise/DPR wise information on bays & Ckt line in kM - TPC-T to provide detailed information on scheme wise/DPR wise addition of bays and Ckt kM line considered for computation of O&M expenses for each financial year.*

Response

The scheme wise / DPR wise information on bays & Ckt line in km of Tata Power-T is presented in following table:

Table 16: Addition of Bays & Ckt. km during FY 2014-15 to FY 2019-20

DPR Description	Approval Details	FY	Bays More than 66kV	Bays Less than 66kV	Ckt Km. More than 66kV
110 kV BKC	MERC/CAP/DPR/17/08/965 dated 09/05/08	2014-15	13	25	5.97
Additional Outlet at Backbay	MERC/TECH-VII/CAPEX/20122013/02113 dated 21/12/2012	2014-15		11	
Additional Transformer#10 at Parel	MERC/CAPEX/20102011/00295 dtd 13/05/2010	2014-15	1	10	
110 kV Mankhurd	MERC/CAPEX/20102011/01588 dated 26/11/2010	2014-15	7		
Replacement of 22 kV Bus 1 and 2 at Saki	MERC/CAPEX/20102011/01558 dated 08.11.10	2014-15		4	
Stringing of second circuit between Khopoli and Bhlvpuri	MERC/TECH-VII/CAPEX/20122013/01644 dated 22/10/2012	2014-15	1		28.67
220 kV Bays at Trombay	MERC/CAPEX/20102011/01560 dated 09.11.10	2014-15	5		
110 kV Ixora	MERC/CAPEX/20112012/02922 dated 16.03.12	2014-15	8	27	
Replacement of 33 kV Bus 1-5 at Dharavi	MERC/CAPEX/20112012/00417 dated 18.05.11	2014-15		3	
Total Additional Bays considered in MYT for FY2014-15		2014-15	35	90	34.64
220 kV GIS at Mahalaxmi	MERC/CAP/DPR/17/08/227 dated 17/01/08	2015-16	7	27	0
Additional Outlets at Malad	MERC/TECH-VII/CAPEX/20122013/02113 dated 21/12/2012	2015-16		12	0
220 kV Salstte-Saki Line	MERC/CAP/DPR/17/07/2536 dated 04/12/07	2015-16			21.80
Total Additional Bays considered in MYT for FY2015-16		2015-16	7	39	21.80
145 kV GIS at Versova	MERC/CAP/DPR/17/06 1006 dated 09/05/07	2016-17	11	25	
Replacement of Transformer 1 and 2 at Mahalaxmi	MERC/CAPEX/20142015/00018 dated 01/04/2014	2016-17	1		
Total Additional Bays considered in MYT for FY2016-17		2016-17	12	25	0.00
145 kV GIS at HDL Kurla	MERC/CAPEX/20102011/01587 dated 26/11/10	2017-18	7	31	10.50
Replacement of Transformers with 125 MVA Transformer at Dharavi	MERC/CAPEX/20112012/00557 dated 02/06/2011	2017-18	3		
220 Kv Trombay - Dharavi - Salsette Line	MERC/CAP/DPR/17/06 1006 dated 09/05/07	2017-18			25.00
Total Additional Bays considered in MYT for FY2017-18		2017-18	10	31	35.50
220 kV GIS at Antop Hill	MERC/CAPEX/20102011/0036 dated 05/04/2011	2018-19	7	30	3.00
220 kV GIS at Versova	MERC/CAPEX/20142015/00016 dated 01/04/2014	2018-19	9	21	6.00
145 kV GIS at Vikhroli	MERC/CAPEX/20142015/00100 dated 10/04/2014	2018-19	9	34	
Total Additional Bays considered in MYT for FY2018-19		2018-19	25	85	9.00

Note: There is no addition of bays & ckt. km. in FY 2019-20

9) Spare bays - TPC-T to provide the details of sub-station wise bays/assets which are commissioned but not in use or not connected to the distribution network and transmission network. To provide the bifurcation of such bays from the total bays specified in the Form 2.1 on a yearly basis

Response

We will provide a response to this query shortly.

10) Capitalization of 145 kV GIS at BKC - TPC-T to provide the details of hard cost & IDC claimed for the scheme along with the IDC computation. TPC-T to provide a detailed breakup/comparison of actual capital cost vis-approved DPR along with details of time over-run and cost over-run, if any along with reasoning for the same.

Response

The cost breakup / comparison of Approved DPR Vs Actual Cost for the 145 kV GIS at Bandra Kurla Complex is as follows:

Table 17: Cost Breakup of 145 kV GIS at BKC

Rs. Crores				
Sr No	Item Description	Approved DPR Cost	Actual / Estimated Cost	Remarks
A	Hard-Cost			
1	Land	140.00	95.00	
2	Other Substation electrical equipment excluding GIS	23.60	25.90	
3	145kV GIS with accessories	18.00	19.06	
4	33kV GIS with accessories	12.16	12.80	
5	110 kV Power Cable with accessories	5.75	22.14	Based on MMRDA's requirement, termination arrangement had to be made at the tower near Mithi River. This resulted in change in cable route length from about 130 Mtrs to 1500 Mtrs
6	Cable related Civil jobs & services		4.77	
7	Civil and related works	4.60	28.83	
8	Consultancy Services	1.00	1.55	
9	Contingency	5.75		
10	Staff Cost		5.43	
11	Others		3.00	
	Sub-Total	210.86	218.49	
B	IDC	19.64	12.01	
	Total (A+B)	230.50	230.50	

IDC Computation on Land cost is as follows:

Table 18: IDC Computation for BKC Land

Particulars	Amount (₹)	IDC Amount (₹)
Land Cost	86.11	40.03
Stamp Duty	8.61	2.89
Others	0.28	
Total	95.00	42.92

The interest rate for arriving at the IDC has been considered equivalent to the Interest of Loans for the particular year. We request the Hon'ble Commission to consider the above Land cost including IDC.

IDC has been computed on a quarterly basis on the loan allocated to the project.

Table 19: Details of Time Overrun of Scheme

Project Commencement (As per DPR)	FY 2009-10
Project Completion (As per DPR)	FY 2010-11
Project Commencement (Actual)	FY 2012-13
Scheme Completion Date (Estimate)	FY 2015-16
Reason for Delay in Completion	<ul style="list-style-type: none"> • Delay in plot allotment by MMRDA. • Delay in building approval by MMRDA • Delay in CC above plinth

Table 20: Major Milestones for the 145 kV BKC Scheme

Activity	Date
DPR Submission	21-Jan-08
MERC approval	9-May-08
Procurement/allotment of land	12-Mar-09
Building Plan Submission for approval	20-Jan-12
Possession of land	27-Jun-12
CC up to plinth	10-Dec-12
Site Commencement	28-Dec-12
Work stoppage due non availability of CC above Plinth	20-Sep-14
CC above Plinth	9-Jan-15
Re-commencement of work	10-Jan-15

Commissioning of Station	29-Mar-15
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11) *Sale of Scrap & Stores - TPC-T to provide the details of sale of scrap & stores*

Response

The details of Sale of scrap & stores for the Transmission Business is presented in following Table:

Table 21: Details of Sale of Scrap

Particulars	Rs. Crores
	Amount
Misc. Scrap Copper cable XLPE, cut copper cable pieces etc.	0.50
Misc. scrap Electrical items fixture, used oils, electrical wiring material, scrap ducting,	0.14
MS steel / Cable drums empty , MS angles/ scrap fencing	0.33
Misc. Aluminium scrap, doors,/windows/frames unserviceable	0.50
Electronics items	
Misc. Scrap consist of Wood scrap/pipes/rods, furniture fixtures, empty packing cases	0.06
Scrap Batteries/charers, unserviceable	0.05
Electronics items	
Total	1.58

12) *Weighted average Interest on loan - TPC-T to provide documentary evidence for weighted average interest on loan considered by it for computation of interest expense. The documentary evidence needs to contain the interest rate, principle loan opening & outstanding, repayments, etc.*

Response

The above requirement has been enclosed as Annexure 1 and Annexure 2 to the main petition dated 1st February, 2016. However, for the sake of convenience, we are once again enclosing the same as **Annexure 5**. Further, we are enclosing the letters from Banks indicating the interest rates.

13) *Documentary evidence for income tax - The submission under Section 80 IA has been made to the Income Tax Authority is attached as Annexure 5. Annexure 5 is missing and needs to be resubmitted.*

Response

We regret the inadvertent error. We are enclosing the submission under Section 80 IA made to the Income Tax Authority as **Annexure 6 & Annexure 7**.

14) *Actual expenditure incurred till date for FY 2015-16 - TPC-T to provide, actual expenditure incurred till date under various subheads of employee expenses, A&G expenses, R&M expenses and elements considered for calculation of working capital.*

Response

Actual expenditure incurred till YTD Dec. FY16 for various subheads of employee expenses, A&G expenses, R&M expenses for Tata Power-T is shown in the Table below:

Table 22: O&M Cost YTD December, FY 2015-16

Particulars	Rs. Crores
	Tata Power-T
Staff Cost	66.47
R & M Expenses	12.98
A& G Expenses	40.37
Total	119.82

15) *Contribution to Contingency Reserve - TPC-T in its Petition has claimed contribution to contingency reserve to the tune of Rs. 5.88 Crores and Rs. 7.05 Crores for FY 2014-15 and FY 2015-16 respectively. TPC-T to provide documentary evidence of such investments made during the year for FY 2014-15 and FY 2015-16 till date. TPC-T to provide documentary evidence of opening balance of Contingency Reserve of Rs. 61.56 Crores for FY 2014-15 as provided in table 4-23*

Response

Tata Power has made a total investment of Rs. 10 Crores for investments made towards Contingency Reserves for FY 2014-15. The documentary evidence is enclosed as **Annexure 8** to this submission. The investment with reference to FY 2015-16 would be made by September, 2016 in line with Regulation 36.1 of MYT Regulations, 2011. It may be noted that the investment made is for the Contingency Reserves for Transmission (Rs. 5.88 Crores) and Distribution (Rs. 3.54 Crores) for FY 2014-15.

We will provide the documentary evidence of opening balance of Contingency Reserve of Rs. 61.56 Crores for FY 2014-15 shortly.

16) Computation of Income Tax for FY 2014-15 - TPC-T to provide details of other allowances and disallowances that are considered in Form F10 to work out taxable income for the year.

Response

The details of other allowances and disallowances to work out taxable income for FY 2014-15 are provided in the Table below:

Table 23: Allowances for Computation of Income tax for FY 2014-15

	Rs. Crores
Other Allowances for Computation of Income Tax	Amount
B-3040-PAYMENTS ALLOWABLE U/S 43B	0.00
B-3055-PROFIT ON SALE OF ASSETS	0.40
B-3056-CLR REV-SALE/RET.	-0.63
B-3057-Revenue from Retirement of Asset	0.62
B-3082-GAIN FROM LIQUID FUNDS	0.00
B-3095-REV/UTIL OF WARRANTY PROV	0.00
B-3110-DISC ON EURO NOTES W/OFF	0.00
B-3120-LEASE RENTALS ON LEASED CARS	0.00
B-3155-EN-Income on rate lock Termina	0.00
B-3176-Liquidated damages	2.75
B-3180-VRS EXPENSES (5th Year)	0.00
B-3195-Premium on Rredemptn of deb Dr. to Share premiur	0.00
B-3203-Income from sale of Carbon Credit	0.00
B-3204-Deprecialton on Capital / Service Line Contribution	4.79
B-3205-Exp on scientific Research	0.00
A-3001- DEDUCTIONS UNDER INCOME TAX Total	7.99
Total HOSS % Allocation to TPC-T	46.23
Total	54.16

Note: Total HOSS % Allocation to TPC-T based on % GFA of Tata Power T

Table 24: Disallowances for Computation of Income tax for FY 2014-15

	Rs. Crores
Disallowances for Computation of Income Tax	Amount
B-2025-DEPRECIATION A/C II	0.71
B-2026-Dep-License Fees	-0.35
B-2010-DEPR UNDER ELECTRICITY ACT	0.00
B-2030-PROVISION FOR GRATUITIES	2.09
B-2035-LOSS ON SALE OF ASSET	-0.15
B-2040-LOSS ON SRP ASSETS	-0.03
B-2045-PROVISION FOR DOUBTFUL DEBTS	-0.03
B-2050-DONATIONS	0.00
B-2055-LOSS ON EXCH re. FCCB Premium	0.00
B-2065-DISALLOWANCE U/S 43B	0.00
B-2075-PROV FOR LEAVE ENCASHMENT	-1.04
B-2076-PROV FOR SICK LEAVE ENCASHMENT	-0.48
B-2085-SECTION 40A(9)	0.00
B-2095-CSR expenditure	0.00
B-2110-PROV FOR DIMN IN SHARE VALUE	0.00
B-2115-PENALTIES AND FINES	0.00
B-2145-ST GAIN ON SALE OF MUTUAL FUND	0.00
B-2150-FOREIGN TAX BORNE BY TPC	0.00
B-2170-PROV FOR WATER CESS	0.00
B-2175-DISALLOWANCE U/S 14A	0.00
B-2176-Wealth Tax	0.00
B-2178-Tax on Empl tax borne by the C	-0.14
A-3001- DEDUCTIONS UNDER INCOME TAX Total	0.58
Total HOSS % Allocation to TPC-T	-43.12
Total	42.53

Note: Total HOSS % Allocation to TPC-T based on % GFA of Tata Power T

17) *Reconciliation of capex schemes with STU Plan - TPC-T to provide a confirmation and reconciliation of the capex schemes proposed for the MYT period with the STU plan. Also to specify the schemes which are not included in the STU plan and status of inclusion in the same, if any.*

Response

We have in the Table below provided the reconciliation of the capex schemes proposed in the MYT Period with the STU Plan.

It may be noted that the schemes which are of a replacement nature are generally not part of the STU Plan.

Further, the current STU Plan is upto FY 2020-21 and the schemes which are proposed to be brought in service beyond this period are not included in the STU Plan. However, if the scheme gets advanced based on clearances received etc. Tata Power would be requesting STU to include such schemes in current plan.

Table 25: Reconciliation of Capex Schemes with STU Plan

Fin. Year	Scheme Details	Scheme Value (Rs. Crs)	DPR Approved	Status on STU approval plan	Reason if not part of STU Plan
FY 2007-08					
T.0810714	Construction of 220 kV Trom - Dh - Sal.	243	Yes	Part of STU Plan	
FY 2008-09					
T.0910802	145 KV GIS at Versova	102	Yes	Part of STU Plan	
T.0940817	Land for New Receiving Stations	57	Yes	Part of STU Plan	The scheme will be included in next roll out plan
FY 2009-10					
T.0960902	245 KV GIS at Mahalaxmi R/S	64	Yes	Part of STU Plan	
T.0810906	Repl of OPGW on 110 kV Tr - Prl lines	3	Yes	Part of STU Plan	
FY 2010-11					
T.0961011	145 & 33kV GIS, 250 MVA ICT at Mahalaxmi	39	Yes	Part of STU Plan	
T.0811046	PROVIDING OPGW ON 110 kV BHIRA-KHO LINE 1	13	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.0881004	Replacement of 22kV BS 1 & 2 with 33kV	12	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
FY 2011-12					
T.0941107	220 KV Rec Stn at Antop Hill Wadala	104	Yes	Part of STU Plan	
T.0911106	Replacement of 22kV Switchgear at Borivli	28	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.0991101	145 KV GIS at Mankhurd	77	Yes	Part of STU Plan	
T.0941110	Power Supply to HDIL Kurla	189	Yes	Part of STU Plan	
T.0981101	Add. Outlets & GIS building at Vikhroli	25	Yes	Part of STU Plan	
T.0811106	Const. of 220 kV KLV SAL # 5 Line	217	Yes	Part of STU Plan	
FY 2012-13					
T.0791203	400kV Nagothane-Dehrand Line	129	Yes	Part of MYT Plan but not part of STU	Commissioning is expected beyond 2020-21. The scheme will be
T.0791204	400kV Dehrand-Vikhroli Line	589	Yes	Part of MYT Plan but not part of STU	Commissioning is expected beyond 2020-21. The scheme will be
T.0791201	400KV Receiving Station at Vikhroli	846	Yes	Part of STU Plan	
T.0791202	400kV Kharghar-Vikhroli line	455	Yes	Part of STU Plan	
T.0941204	33 kV GIS for replacing AIS at Dharavi	45	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.0941206	Replacement of Power Transf at Dharavi	61	Yes	Part of STU Plan	
T.0921202	Replacement of 33KV svgeer by 33KV GIS	15	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.0971201	LIFE ENHANCEMENT OF 245 AND 145 KV GIS	34	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.0921206	Replacement of 22KV Bus Section # 1 & 3	9	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.0931210	Chembur Transf replacement	30	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement with same capacity

Fin. Year	Scheme Details	Scheme Value (Rs. Crs)	DPR Approved	Status on STU approval plan	Reason if not part of STU Plan
FY 2013-14					
T.0931302	Replacement of relays for transmission	13	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.0941305	145 kV GIS with Building at Dharavi R/S	272	Yes	Part of STU Plan	
T.0911304	220 Kv GIS at Versova	292	Yes	Part of STU Plan	
T.0931304	145v kV GIS at Chembur Tapping Structure	86	Yes	Part of STU Plan	Location changed from Chembur Tapping to Tata Trombay Colony
T.0941307	245 kV R/S at Chunarbhathi	173	Yes	Part of STU Plan	
T.0961304	145 kV GIS at Wadala	305	Yes	Part of MYT Plan but not part of STU	Will be included once the land is acquired.
T.0941306	22 kV GIS Replacement of 22 kV BS 1 to V	26	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.0941308	Check metering system with remote data	11	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.0911305	Replacement of 22 Kv Bus sections at Mal	3	Yes	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.0961305	145 kV GIS at Worli	139	Yes	Part of MYT Plan but not part of STU	Will be included once the land is acquired.
T.0911303	Additional 22Kv Outlets at Malad	7	Yes	Part of STU Plan	Will be completed by March 2016.
FY 2014-15					
T.0981402	INSTALLATION OF 145 KV GIS AT VIKHROLI	108	Yes	Part of STU Plan	
T.0921402	INSTALLATION OF 145KV GIS AT CARMAC	51	Yes	Part of MYT Plan but not part of STU	Commissioning is expected beyond 2020-21. The scheme will be included in next roll out plan of STU.
T.0981401	PSCC AT VIKHROLI	45	Yes	Part of MYT Plan but not part of STU	Commissioning is expected beyond 2020-21. The scheme will be included in next roll out plan of STU.
T.0941404	INSTALLATION OF 220/220 KV PST	97	No	Part of STU Plan	DPR is submitted to MERC.
FY 2015-16					
T.14010215003	Replacement of Transformers at Mahalaxmi	35	Yes	Part of STU Plan	
T.14012115002	Replacement of Transformer 1 & 2 at Saki	9	No	Part of STU Plan	DPR is submitted to STU
T.14013115102	Refurbishment and Replacement of Station Transform	4	No	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.14010115003	Replacement of NGTs in Transmission	4	No	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme
T.14015115002	Replacement of 22kV BS 2 and 4 switchgears	3	No	Part of MYT Plan but not part of STU	Not included in STU plan as it is a replacement scheme

Fin. Year	Scheme Details	Scheme Value (Rs. Crs)	DPR Approved	Status on STU approval plan	Reason if not part of STU Plan
FY 2016-17					
T.14013116001	Remanufacturing/ replacement of Transformers in Transmission	47	Yes	Part of STU Plan	Not included in STU plan as it is a replacement scheme
T.14012316002	Refurbishment of Transmission protection System	22	Yes	Part of STU Plan	Not included in STU plan as it is a replacement scheme
T.14010216003	Additional 33kVBS at Mahalaxmi and Replacement of 33 kV BS 1 and 2 at	29	Yes	Part of STU Plan	
T.14010216002	Replacement of 22kV AIS by 33kV GIS at Mahalaxmi	18	No	Part of STU Plan	Not included in STU plan as it is a replacement scheme
T.14012316050	Refurbishment of Transmission automation System	44	No	Part of STU Plan	Not included in STU plan as it is a replacement scheme
T.14033216001	220 kV switching station at NMIA	421	No	Part of STU Plan	
Other Schemes					
-	Replacement of existing oil filled cable of 110 kV Dharavi-Mahalaxmi Line			Part of STU Plan but not part of MYT	DPR is submitted to STU
-	145 kV GIS at Saki			Part of STU Plan but not part of MYT	DPR is submitted to STU
-	110 kV Cable from Chunabhatti to BKC			Part of STU Plan but not part of MYT	DPR is submitted to STU
-	Replacement of existing oil filled cable of 110 kV Parel-Mahalaxmi Line			Part of STU Plan but not part of MYT	DPR is submitted to STU
-	110 kV Single Circuit line from Camac to Backbay			Part of STU Plan but not part of MYT	DPR is submitted to STU

18) *Transfer of assets - TPC-T has proposed to transfer certain assets from the transmission business. TPC-T to provide the details of the same and estimated asset value.*

Response

In this regard, we would like to inform the Hon'ble Commission that Tata Power-T proposes to transfer certain assets from the Transmission Business during the Control Period FY 2016-17 to FY 2019-20. We will be approaching the Hon'ble Commission separately with a petition for such transfer. However, as this transfer, if approved, would take place during the Control Period, it was thought prudent to inform the Hon'ble Commission as part of the MYT Petition. Further, as the details are being worked out, it may be difficult to provide the estimated value of the assets to be transferred. However, as mentioned in the petition, the transfer of assets will not impact the proposed ARR of the Control Period in a significant way. We will provide the details along with the petition to be submitted.

19) *Asset de-capitalisation/retirement - Asset de-capitalisation/retirement has been considered in FY 2014-15. Reduction in equity on account of this is considered. To specify if any loan reduction been considered and provide the details. However, no asset de-capitalisation/retirement up-till the end of the 3rd control period. TPC-T provide the details of any such retirement and the corresponding impact on the ARR.*

Response

We wish to inform Hon'ble Commission that the Hon'ble Commission in the MYT Regulations, 2015 has considered a reduction in loan (i.e -ve loan) to the extent of the 70% of the amount of value of the Gross Fixed Assets replaced or retired. We have also in this regard through our letter No REG/MERC/10/177 dated 10th June, 2010 explained in detail the rationale for not considering the reduction in loans and enclosed this letter as a part of our submission (**Annexure 9**). We are once again requesting the Hon'ble Commission not to consider any reduction in loans due to retirement / replacement of assets. Further in our projections above, we have not considered any impact of the same.



MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

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E-mail : mercindia@mercindia.org.in

MERC

MERC/CAPEX/20102011/01558

8th November, 2010

Shri, V.H.Wagle
Deputy General Manager, Regulations
The Tata Power Company Ltd.
Dharavi Receiving Station
Matunga, Mumbai 400 019

Subject: In- Principle clearance of the investment scheme - Replacement of 22 kV Bus Sections - 1 & 2 with 33 kV GIS at Saki Naka Andheri (East).

Ref: REG/MERC/09/56 dated 12th March, 2009.

Sir,

This has reference to the Detailed Project Report for the captioned scheme submitted by TPC-T vide letter No.REG/MERC/09/56 dated 12th March 2009.

1. The scheme has been evaluated with reference to the guidelines circulated by the Commission on 9th Feb. 2005. I am directed to convey in-principle clearance of this scheme. The particulars of the scheme as approved in principle are outlined in the Annexure and the breakup of the project cost is given in Annexure-A & Appendix-A.
2. Please note that this in-principle clearance should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during the 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. TPC-T will be required to submit the status of implementation of the scheme with cost incurred till date, likely completion date etc. along with their ARR petition or during the tariff determination process at the appropriate time.
3. Since this is a replacement scheme, TPC-T to ensure that the equity component of the original cost of the replaced asset is knocked off from the equity base.
4. As per the Directive of the Commission vide Order dated 3rd September 2010 (Case No 96 of 2009) TPC-T should submit all the relevant details in the case of replacement schemes for all years from FY 2005-06 onwards for the Commission to ensure that the impact of such asset replacement is passed on in the desired manner to the consumers, and taken into consideration by the Commission in the next Order.

Regulations Dept
Inward No. 231
Date 11.11.10

8th November, 2010

5. TPC-T should submit quarterly progress report indicating the name of the scheme, approved cost and the cost incurred till the last quarter. TPC-T should also 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.

6. Asset created after execution of the scheme should be maintained separately in the Asset register.

7. Immediately after completion/commissioning of the scheme, TPC-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,



(K.N. Khawarey)
Secretary, MERC

Encl: Annexure-A & Appendix-A.

c.c. to

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

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

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

The President,
Vidarbha Industries Association,
1st floor, Udyog Bhawan, Civil Lines,
Nagpur 440 001.

Annexure-A

**Summary Appraisal of TPC-T's Scheme for
Replacement of 22 kV Bus Sections - 1 & 2 with 33 kV GIS
at
Saki Naka Andheri (East).**

A) Particulars furnished in the Feasibility Report by TPC-T

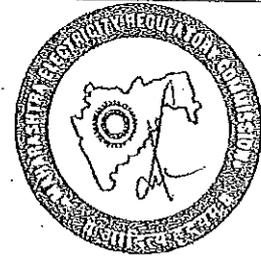
1.	a) Name of the Scheme b) Scheme code No.	Replacement of 22 kV Bus Sections - 1 & 2 with 33 kV GIS at Saki Naka Andheri (East). TPC-T/FY09/07
2.	Estimated Cost	Rs. 11.78 Cr. (Break up as per Appendix A)
3.	ROI / Cost Benefit	The commissioning of 33 kV GIS at Saki Receiving Station would lead to saving of space & maintenance cost.
4.	Brief Scope of Work	Replacement of following 22 kV feeders on Bus Sections - 1 & 2 by 33 kV GIS at Saki: Bus Section No. 1. <ol style="list-style-type: none"> 1. Bus Sectionalizer between Bus Sec. -1 & Bus Sec. -2 # Feeder No. 16. 2. Marol -1 & Marol -3 # Feeder No. 17. 3. Cap. Bank -1 & 2 # Feeder No. 18. 4. Airport -1 & MIDC -3 # Feeder No. 19. 5. I/C from Tr. No. 1 # Feeder No. 20. 6. 7 nos for feeding new loads Bus Section No. 2. <ol style="list-style-type: none"> 7. Bus Sectionalizer between Bus Sec.- 2 & Bus Sec.- 3 # Feeder No. 11. 8. Vihar -1 & MIDC -2 # Feeder No. 12. 9. I/C from Tr. No. 2 # Feeder No. 13. 10. Airport -2 & Vile Parle -2 # Feeder No. 14. 11. Chandivali -1 # Feeder No. 15. 12. One no feed from Station Transformer - 2 13. 6 nos for feeding new loads



MERC/CAPEX/20102011/

8th November, 2010

5.	Objective / Justification	5.1. To save the space by installation of 33 kV GIS. 5.2. To install new GIS bays which will meet the needs of future load requirement. 5.3. To improve reliability of system as a result of GIS. 5.4. To reduce the maintenance cost.	
6.	Funding Arrangement	From internal sources or by borrowing from reputed lending institutions.	
7.	Time Frame / Phasing of Expenditure	Work is scheduled to be completed in March 2012.	
		Year	Amount (Rs. Cr.)
		2010-11	0.08
		2011-12	11.70
		Total	11.78



Appendix-A

Replacement of 22 kV Bus Sections – 1 & 2 with 33 kV GIS
at
Saki Naka Andheri (East)

Breakup of Cost Estimates

Sr.No	Particulars	Qty	Unit	Amount (Rs.in Lakhs)	
				Unit Price	Amount
1	36 kV GIS bays complete with CT's disconnectors & BCU/BCPU.	24	Nos.	30	720
2	33 kV Bus PT	2	Set	4.5	9
3	SCADA complete with A/C	24	Bays	10	240
4	Fibre Optics Cable & Terminal Equipment	1	LS	50	50
5	Trivector Meters & Metering Panels	1	LS	15	15
6	33 kV Power Cables & Control Cables	1	LS	20	20
7	Installation & Commissioning services for 33 kV GIS & its auxiliaries	1	LS	38.4	38.4
	Sub-Total - I				1092.4
8	Design, engineering & preparation of drawings	1	LS	20	20
	Sub-Total - II				1112.4
9	Contingency @ 1%				11.124
10	IDC				55
	Sub Total - III				66.124
	Total			Lakhs	1178.54
				Say Rs. Cr.	11.78





MERC

MAHARASHTRA ELECTRICITY REGULATORY COMMISSION
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 E-mail : mercindia@mercindia.org.in

MERC/CAPEX/20102011/00295

May 13, 2010

Shri, V.H. Wagle
 Senior Manager, Regulations
 The Tata Power Company Ltd.
 Corporate Center,
 34 Sant Tukaram Road,
 Carnac, Mumbai 400009

Sub: In- Principle clearance of the investment scheme of TPC-T Installation of 1 no. 75 MVA,
 110/33 kV transformer and 33 kV GIS at Parel R/S.

Ref: 1) Reg/MERC/09/67. 17/03/2009.
 2) Reg/MERC/09/50 dated 16/02/2010.

Sir,

This has reference to the Detailed Project Report for the captioned scheme submitted by TPC vide letter no dated 15th June 2009.

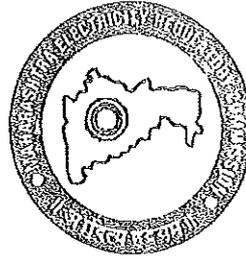
1. The scheme has been evaluated with reference to the guidelines circulated by the Commission on 9th Feb. 2005. I am directed to convey in-principle clearance of this scheme. The particulars of the scheme as approved in principle are outlined in the Annexure and the breakup of the project cost is given in Appendix A & Annexure A.
2. Please note that this in-principle clearance should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during the 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. TPC will be required to submit the status of implementation of the scheme with cost incurred till date, likely completion date etc. along with their ARR petition or during the tariff determination process at the appropriate time.
3. TPC 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.
4. Asset created after execution of the scheme should be maintained separately in the Asset register.

Regulations Dept.	146
Forward No.	
Date	18.5.10

MERC/CAPEX/20102011/00295

May 13, 2010

5. Immediately after completion / commissioning of the scheme, TPC 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 actuals.



Yours Faithfully,

(K.N. Khawarey)
Secretary, MERC

Encl: Annexure-A & Appendix-A.

c.c. to

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

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

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

The President,
Vidarbha Industries Association,
1st floor, Udyog Bhawan, Civil Lines,
Nagpur 440 001.

Annexure A

Installation of 1 no. 75 MVA, 110/33 kV transformer and 33 kV GIS at Parel R/S.

A) Particulars furnished in the Feasibility Report by TPC-T

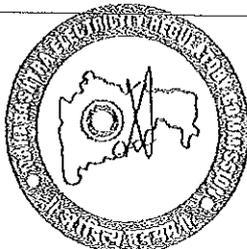
1.	a) Name of the Scheme	Installation of 1 no. 75 MVA, 110/33 kV transformer and 33 kV GIS at Parel R/S.	
	b) Scheme code No.	TPC-T/FY09/10	
2.	Estimated Cost	Rs. 24.00 Cr. (Break up as per Appendix A)	
3.	ROI / Cost Benefit	As per the cost benefit analysis on completion of the project an increase in transmission tariff to the distribution utility to the extent of 0.04 Paise/unit is expected.	
4.	Brief Scope of Work	<p>Installation & Commissioning of</p> <p>Installation & Commissioning of</p> <p>i. 75 MVA, 110/33 kV Transformer along with PASS.</p> <p>ii. 110 kV 1C*1000 Sq.mm cable.</p> <p>iii. 33 kV GIS Bays – 14 Nos.</p> <p>iv. 33 kV 1C*630 sq.mm. Cable.</p> <p>All related protection, control and auxiliary equipments.</p>	
5.	Objective / Justification	Parel R/S mainly caters to BEST load in and around Parel. BEST has requested for 21 nos. 33 kV outlets for shifting their existing 22 kV load to 33 kV. In addition a rapid increase in load is envisaged due to development of residential and commercial complexes coming up in Parel area. The firm capacity of Parel will be inadequate to meet the future demand. Hence, the project is proposed.	
6.	Funding Arrangement	From internal sources or by borrowing from reputed lending institutions	
7.	Time Frame / Phasing of Expenditure	Work is scheduled to be completed in March 2012.	
		Year	Amount (Rs. Cr.)
		2009-10	0.47
		2010-11	3.91
		2011-12	19.62
Total	24.00		



Appendix- A
(Breakup of cost estimates)

Installation of 1 no. 75 MVA, 110/ 33 kV transformer and 33 kV GIS at Parel R/S.

Sr. No.	Description	Qty	Unit	Rate	Amt (Lakhs)
A	110kV GIS & Auxiliaries				
1	110kV hybrid S/G (Double Bus PASS) bay complete with CTs,PTs, disconnectors, CPP & without 110kV Cable Termination	1	Nos.	200	200
2	36kV GIS bays complete with CTs, disconnectors, BCU / BCPU	14	Nos.	30	420
3	33kV Bus PT complete	2	set	4.5	9
4	33KV Capacitor Bank(20MVAr)	1	set	28	28
5	33KV Reactor(25MVAr)	0	set	300	0
6	75MVA, 110/33kV Transformers Including Installation , Testing & Cable termination.	1	Nos.	810	810
7	Civil Works for 33kV GIS Building, foundations, misc. works	1	LS	120	120
8	SCADA complete with acc	15	Bays	10	150
9	Fibre Optic Cable & Terminal Equipment	1	LS	10	10
10	Protection panel for 110kV GIS bays (including differential, directional o/c & BF etc.)	0	Nos.	15	0
11	Trivector Meters & Metering Panels	0	LS	15	0
12	Control cables	1	LS	12	12
13	Power Cables- 33kV, 1Cx630 sq. mm, Cu, XLPE	1	LS	19	19
14	Electrical Auxiliaries (SSTs, ACDB, DCDB, Batteries, Charges UPS, Earthing, Lighting etc.)	0	LS	200	0
15	Mechanical Auxiliaries (HVAC, Fire Hydrant, Fire Detection & Alarm, Lifts, OH Crane etc.)	1	LS	100	100
16	Bus Posts, BP insulators, clamps, bus bars, earthing & other miscellaneous	1	set	13	13
17	Installation & commissioning services for 145kV PASS & 33kV GIS & its auxiliaries.	1	LS	120	120
	Sub-Total I				2011
B	110kV Cable System				
1	110kV, 1C X 1000 sq. mm. XLPE, Cu cable (approx.0.067 km route length) & acc.	0.2	Kms	140	28
2	110kV terminations at both ends	1	set	25	25
3	Laying, termination & supervision charges	1	LS	10	10
4	Civil works including trenching, cable joint bays, road crossings & re-instatement	1	LS	80	80
	Sub-Total II				143
C	Design, engineering & preparation of drawings	1	LS	45	45
	Sub-Total III (A+B+C)				2199
D	Contingency @ 2.5 %				55
E	IDC				146
	Sub-Total IV (D+E)				201
	GrandTotal (III+IV)				2400





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 E-mail : mercindia@mercindia.org.in

MERC

MERC/CAPEX/20102011/01588

26th November, 2010

✓ Shri Prashant Joshi
 Chief Manager, Regulations
 The Tata Power Company Ltd.
 Dharavi Receiving Station
 Matunga, Mumbai 400 019

Sub: In- Principle clearance of the investment scheme – Installation of 145 kV GIS at Mankhurd

Ref: REG/MERC/09/56 dated 12th March, 2009.

Sir,

This has reference to the Detailed Project Report for the captioned scheme submitted by TPC-T vide letter No.REG/MERC/09/56 dated 12th March 2009.

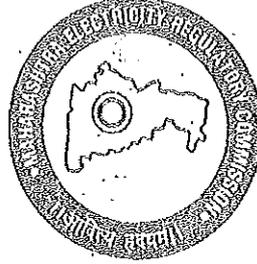
1. The scheme has been evaluated with reference to the guidelines circulated by the Commission on 9th Feb. 2005. I am directed to convey in-principle clearance of this scheme. The particulars of the scheme as approved in principle are outlined in the Annexure and the breakup of the project cost is given in Annexure-A & Appendix-A.
2. Please note that this in-principle clearance should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during the 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. TPC-T will be required to submit the status of implementation of the scheme with cost incurred till date, likely completion date etc. along with their ARR petition or during the tariff determination process at the appropriate time.
3. TPC-T should submit quarterly progress report indicating the name of the scheme, approved cost and the cost incurred till the last quarter. TPC-T should also 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.
4. Asset created after execution of the scheme should be maintained separately in the Asset register.

Regulations Dept.
 Inward No.
 Date: 30.11.10

MERC/CAPEX/20102011/01588

26th November, 2010

5. Immediately after completion/commissioning of the scheme, TPC-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,

(K.N. Khawarey)
Secretary, MERC

Encl: Annexure-A & Appendix-A.

c.c. to

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

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

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

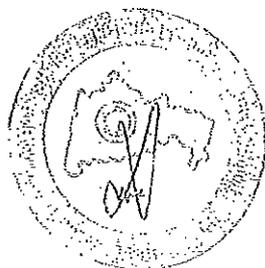
The President,
Vidarbha Industries Association,
1st floor, Udyog Bhawan, Civil Lines,
Nagpur 440 001

Annexure-A

Installation of 145 kV GIS at Mankhurd

B) Particulars furnished in the Feasibility Report by TPC-T

1.	a) Name of the Scheme b) Scheme code No.	Installation of 145 kV GIS at Mankhurd TPC-T/FY09/07										
2.	Estimated Cost	Rs. 84.36 Cr. (Revised to Rs 77.46 Cr after considering consumer contribution) (Break up as per Appendix A)										
3.	ROI / Cost Benefit	Load on Mankurd Receiving Station expected to multiply. Implementation of GIS will cater to this increase in load.										
4.	Brief Scope of Work	<ol style="list-style-type: none"> To implement this scheme, circuits of 110kV, 1C x 1000/1600 sq. mm, Cu, XLPE cables are proposed to be laid from existing A2 structures of the Khopoli & Parel lines. Installation of 145 kV, nine bays, double bus GIS at Mankhurd R / S with 2 incomers, 6 outgoing and a bus coupler (along with Bus PT sets), complete with all accessories, LCP, etc. There will be space provision for additional two incomers. The building housing the GIS will have basement, ground, and first floor. Both 145 kV & 33 kV GIS will be located on ground floor and AC DC auxiliary rooms, battery room and control & protection room will be located on the first floor. Installation of two nos. 110/33 kV, 90 MVA transformers which will be fed from the 145 kV GIS. Installation of 23 panel- 33 kV GIS complete with BCU / BCPU for a prospective load which will be fed from the two 110/33 kV, 90 MVA transformers. 										
5.	Objective / Justification	<ol style="list-style-type: none"> Provide 110 kV feeds to C Rly and new transformers. Provide outlets for load growth of Discoms. To overcome the capacity constraint 										
6.	Funding Arrangement	From internal sources or by borrowing from reputed lending institutions. Contribution from Central Railway has been deducted from the Original cost										
7.	Time Frame / Phasing of Expenditure	Work is scheduled to be completed in March 2013.										
		<table border="1"> <thead> <tr> <th>Year</th> <th>Amount (Rs. Cr.)</th> </tr> </thead> <tbody> <tr> <td>FY 2011</td> <td>1.92</td> </tr> <tr> <td>FY 2012</td> <td>8.99</td> </tr> <tr> <td>FY 2013</td> <td>73.45</td> </tr> <tr> <td>Total</td> <td>84.36</td> </tr> </tbody> </table>	Year	Amount (Rs. Cr.)	FY 2011	1.92	FY 2012	8.99	FY 2013	73.45	Total	84.36
Year	Amount (Rs. Cr.)											
FY 2011	1.92											
FY 2012	8.99											
FY 2013	73.45											
Total	84.36											



Appendix-A

Installation of 145 kV GIS at Mankhurd

Break Up of Cost estimates

Sl. No.	Description	Qty	Unit	All prices in Rs. Crs	
				Unit Price	Item Price
1.	145 kV GIS equipment (9 bays with CTs, PTs, disconnectors and LCPs), 4 Bus PTs	1	Set	20.08	20.08
2.	36 kV GIS (23 bays complete with CTs, PTs, BCU/BCPU), 2 Bus PT	1	Set	6.99	6.99
3.	33 kV Capacitor Banks (20 MVAR)	2	Set	0.28	0.56
4.	90 MVA, 110 kV/33 kV Transformers	2	Nos	8.00	16.00
5.	Civil works (GIS Bldg, Foundations, Cable trenches, Misc.)	1	LS	13.00	13.00
6.	SCADA with Accessories, Protection Panels, Metering Panels	1	LS	5.40	5.40
7.	33 kV Power Cables and Control Cables	1	LS	0.40	0.40
8.	Electrical & Mechanical Aux. Equipment, Misc. Elect. Eqpt.	1	LS	4.10	4.10
9.	110 kV, 1600/630 sq.mm, 1 C, XLPE Cables with Accessories (1.1 km, 9 straight joints)	1	LS	4.10	4.10
10.	110 kV Line tower & gantry structure including accessories and installation	1	LS	0.92	0.92
11.	Erection, Commissioning, and Testing Services	1	LS	2.50	2.50
12.	Consultancy Services (Design Engineering & Drgs.)	1	LS	1.45	1.45
	Sub Total I				75.49
	Contingency				0.76
	Interest During Construction				8.11
	Sub-total II				8.87
	Total project cost (incl. IDC)				84.36
	Contribution from Central Railways				6.90
	Total project cost (incl. IDC) with Railway contribution				77.46





MERC

MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

13th 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 ♦ Website : www.mercindia.org.in
 E-mail : mercindia@mercindia.org.in

MERC/CAPEX/20112012/02624

25th January 2012

✓ Shri Prashant Joshi
 Chief Manager, Regulations
 The Tata Power Company Ltd.
 Dharavi Receiving Station
 Matunga, Mumbai 400 019.

Sub: In- Principle clearance of the investment scheme

- a. Replacement of 22 kV Bus Sections at Malad R/S
- b. Replacement of transformer no.2 at Carnac R/S.

Ref: REG/MERC/11/204 dated 10th August, 2011.

Sir,

This has reference to the Detailed Project Report for the captioned scheme submitted by Tata Power-T vide letter No.REG/MERC/11/204 dated 10th August 2011.

1. The scheme has been evaluated with reference to the guidelines circulated by the Commission on 9th Feb. 2005. I am directed to convey in-principle clearance of this scheme. The particulars of the scheme as approved in principle are outlined in the Annexure-A and Annexure-B, the breakup of the project cost is given in Appendix-A.
2. Please note that this in-principle clearance should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during the 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. TPC-T will be required to submit the status of implementation of the scheme with cost incurred till date, likely completion date etc. along with their ARR petition or during the tariff determination process at the appropriate time.
3. Since this is a replacement schemes, TPC-T to ensure that the equity component of the original cost of the replaced asset is knocked off from the equity base.

Regulations Dept	16
Invoice No.	
Date	30.1.12



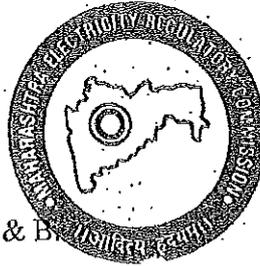
25th January 2012

4. As per the Directive of the Commission vide Order dated 3rd September 2010 (Case no 96 of 2009) TPC-T should submit all the relevant details in the case of replacement schemes for all years from FY 2005-06 onwards for the Commission to ensure that the impact of such asset replacement is passed on in the desired manner to the consumers, and take the same into consideration by the Commission in the next Order.

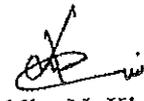
5. TPC-T should submit quarterly progress report indicating the name of the scheme, approved cost and the cost incurred till the last quarter. TPC-T should also submit half yearly report giving the status of implementation of the scheme in terms of expenditure incurred and item wise physical progress achieved during the implementation of the scheme.

6. Asset created after execution of the scheme should be maintained separately in the Asset register.

7. Immediately after completion/commissioning of the scheme, TPC-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,


(Kuldip N. Khawarey)
Secretary, MERC

Encl: Annexure-A & B, 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,
Mumbai Grahak Panchayat,
Grahak Bhavan,
Sant Dnyaneshwar Marg,
Behind Cooper Hospital,
Vile Parle (West), Mumbai 400 056.

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

The President,
Vidarbha Industries Association,
1st floor, Udyog Bhawan, Civil Lines,
Nagpur 440 001.

Annexure-A

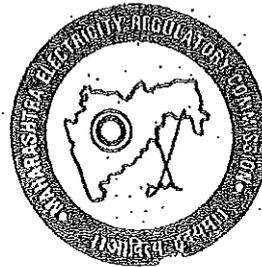
**Summary Appraisal of TPC-T's Scheme for
Replacement of 22 kV Bus Sections at Malad R/S**

A) Particulars furnished in the Feasibility Report by TPC-T

1.	a) Name of the Scheme b) Scheme code No.	Replacement of 22 kV Bus Sections at Malad R/S TPC-T/FY12/03
2.	Estimated Cost	Rs. 12.24 Cr. (Break up as per Appendix A)
3.	ROI / Cost Benefit	1. Reliable power supply 2. Reduced failure rate 3. Less maintenance
4.	Brief Scope of Work	<p>1. Installation of 33 kV GIS (operated at 22 kV) bus section with 9 Nos feeder outlets, one incomer and two bus section breaker.</p> <ul style="list-style-type: none"> • Transferring entire 22 kV bus Section-I feeder to 33 kV GIS bus section-III. • Dismantling existing 22 kV bus section-I. <p>Installation of 33 kV GIS-I, in the space where 22 kV bus-I existed.</p> <p>Transferring existing 22 kV bus section-II feeders to new 33 kV GIS bus-I</p> <ul style="list-style-type: none"> • Dismantling of existing 22 kV B.S-II. • Installation of 33 kV GIS-II in location of existing 22 kV B.S-II. • All above 33 kV GIS will be operated at 22 kV.
5.	Objective Justification /	1. The existing bus being very old does not have spares and will result into non availability of breakers in case of failure of any part of these switchgears. This will cause interruption of supply to customers due to non availability of feeder or transformer Incomer breaker also.



		<p>2. There is a need for space to accommodate additional outlet requirements for segregating of back to back feeders, without constructing any new building increasing the expenditure.</p> <p>3. Replacement necessary to cater to additional load growth in Malad.</p>								
6.	Funding Arrangement	From internal sources or by borrowing from reputed lending institutions.								
7.	Time Frame / Phasing of Expenditure	Work is scheduled to be completed in FY13.								
		<table border="1"> <thead> <tr> <th>Year</th> <th>Amount (Rs. Cr.)</th> </tr> </thead> <tbody> <tr> <td>FY 12</td> <td>10.24</td> </tr> <tr> <td>FY 13</td> <td>1.99</td> </tr> <tr> <td>Total</td> <td>12.24</td> </tr> </tbody> </table>	Year	Amount (Rs. Cr.)	FY 12	10.24	FY 13	1.99	Total	12.24
Year	Amount (Rs. Cr.)									
FY 12	10.24									
FY 13	1.99									
Total	12.24									

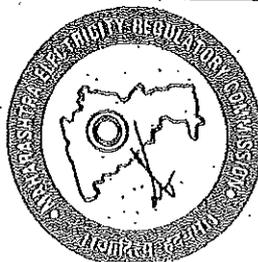


Annexure-B

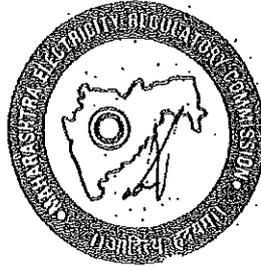
**Summary Appraisal of TPC-T's Scheme for
Replacement of Transformer No. 2 at Carnac R/S**

A) Particulars furnished in the Feasibility Report by TPC-T

1.	a) Name of the Scheme b) Scheme code No.	Replacement of Transformer No. 2 at Carnac R/S TPC-T/FY12/03
2.	Estimated Cost	Rs. 9.05 Cr. (Break up as per Appendix B)
3.	ROI / Cost Benefit	1. Reliable power supply. 2. Meeting load requirement.
4.	Brief Scope of Work	The scope of work includes the following: a) Installation of 110 kV breaker along with isolator, CT, PT & LA for new transformer. b) Installation of new transformer of 90 MVA, 110 / 33 kV transformer. c) Laying & installation of 33 kV cables & terminations. The new 33 kV cables will be laid along the route used for old transformer up to existing spare 33 kV Incomer breaker of Bus Section -III in Carnac Block "A" building. d) Modifications in existing relay panel and installation of transformer protection & line protection relays for new transformer.
5.	Objective Justification	1) 22 kV load is slowly getting transferred to 33 kV & firm capacity required on 22 kV is decreasing and 22 kV transformer is not required. Hence it is proposed to replace the existing power transformer No. 2 of 80 MVA, 110/22 kV by 90 MVA, 110/33kV transformer.



		2) Existing Power Transformer No. 2 of 80 MVA over 50 years old and outlived its life and has to be replaced as per MERC guidelines.	
6.	Funding Arrangement	From internal sources or by borrowing from reputed lending institutions.	
7.	Time Frame / Phasing of Expenditure	Work is scheduled to be completed in FY13.	
		Year	Amount (Rs. Cr.)
		FY 12	8.41
		FY 13	0.64
		Total	9.05



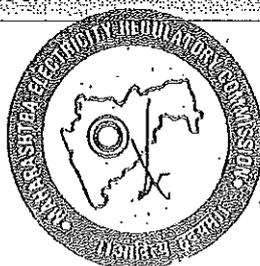
Appendix-A

Replacement of 22 kV Bus Sections at Malad R/S

Break Up of Cost estimates

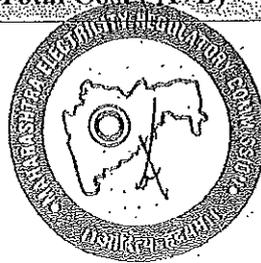
All prices in Rs. Lakhs

Replacement of 22 kV Bus Sections at Malad R/S					
A					
Sr. No.	Description	Qty	Unit	Unit Price	Item Price
1	Civil works for 33kV GIS installation	1	LS	28	28
2	Procurement of 33kV GIS complete with CTs, Dummy Panel disconnections, BCU/BCPU equipments	(28 bays)	set	30	840
3	22kV, 1C x 630 sq mm Cu XLPE Cable	2000	M	0.04	80
4	Installation of 33kV Cable Terminations for Bays	30	Set	0.25	6
5	Aux System (earthing, Cable trays etc - Lumpsum	1	LS	24	24
6	LV Power & control cables	1	LS	28	28
7	Services for SCADA Integration Trombay, Dharavi and Carnac	1	LS	21	21
8	Installation, erection, testing & commissioning of all equipments	1	LS	36	36
9	Consultancy Services	1	LS	4	4
10	Staff Cost @ 5% of material cost		LS		50
11	Provision for Contingency @ 2%				22
12	IDC – Interest during construction				84
	Total Project Cost (A)				1224
	Say Rs. in Crore.				Rs. 12.24 Cr.

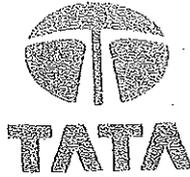


Appendix-B

B. Replacement of Transformer No. 2 at Carnac R/S					
Sr. No.	Description	Qty	Unit	Unit Price	Item Price
1	Civil works for transformer(Transformer ,Breaker, CT, VT, & GOD"s)	1	LS	18	18
2	Procurement of 110kV/33 kV , 90 MVA transformer	1	No	600	600
3	Procurement of 110 kV breaker with spares	1	No	6	6
4	Procurement of Power cables(1C*630 mm ² Cu XLPE) and control cables	2250	m	0.04	90
5	Procurement of 110kV VT"s & CT"S	3 each	set	(6.75+6.5)	14
6	Procurement of 110kV GOD (1 Nos)	1	No	3	3
7	Modification of Relay , control & protection panel (Addition Transformer protection relay, Distance relay for Line)	1	LS	12	12
8	Procurement of line & Transformer panel	1	LS	13	13
9	Procurement of Miscellaneous items	1	LS	8	8
10	Design Engineering & preparation of drawings	1	LS	10	10
11	Erection and Commissioning	1	LS	38	38
12	Staff Cost 5%	1	LS	38	38
13	Contingency @ 1.0 %	1	LS	17	17
14	IDC	1	LS	35	35
	Total Project Cost (B)				905
	Say Rs. in Crore.				Rs.9.05 Cr.
Sr. No.	Group	Description	Cost in Rs. Lakhs	Total Cost in Rs. Lakhs	
1	A	Replacement of 22 kV Bus Sections at Malad R/S	1224	2129	
	B	Replacement of Transformer No. 2 at Carnac R/S	905		
		Say Total Cost (A+B)		Rs. 21.30 Crores	







12th April, 2017
REG/MUM/MERC/2017/66

To,
Secretary,
Maharashtra Electricity Regulatory Commission,
13th Floor, Centre I, World Trade Centre,
Cuffe Parade, Colaba,
Mumbai 400 005

MS/MS
OFFICE OF THE
MAHARASHTRA ELECTRICITY
REGULATORY COMMISSION
WTC, CO. I
MUMBAI - 400 005

Dear Sir,

Subject: Submission of revised combined DPR for "220 kV GIS at Mahalaxmi" and "Addition of ICT # 5 and 33 kV GIS at Mahalaxmi"

Ref: MYT Order in Case no. 22 of 2016 of Tata Power-T dated 30th June, 2016 and Cost over Run

Background and Necessity: Earlier 110 kV Parel-Mahalaxmi and Dharavi-Mahalaxmi cables were oil filled cables and more than 35 years old. To meet the increased load requirement of BEST, Railways, Mumbai Metro and other consumers in reliable manner, it was necessary to strengthen the network by providing the alternate source of power supply to 110 kV system. Therefore it was proposed, to establish 220 kV GIS based receiving station with looping In - looping Out of existing 220 kV Dharavi-Backbay cable, which is already routed through Mahalaxmi receiving station. Accordingly Transmission Business of Tata Power (Tata Power-T) had submitted an earlier Detailed Project Report (DPR) of "Installation of 220 kV GIS Receiving Station at Mahalaxmi" with a scheme value of Rs. 63.58 Crores for "In-principle" clearance of the Hon'ble Commission on 14th March, 2007. The Hon'ble Commission had granted its "in-principle" clearance to the DPR by their letter MERC/CAP/DPR/17/08/227 dated 17th January, 2008. Subsequent to the "in-principle" clearance, during execution, the cost of the project was estimated to increase from the approved value of Rs. 63.58 Crores to Rs. 114.61 Crores on account of change in scope due to an additional GIS Bay and higher civil and BOP package cost and additional IDC cost. All these reasons have been explained in this proposed revised DPR.

Further due to rapid load growth and migration of BEST from 22kV to 33kV voltage level, additional 33kV outlets were also required from Mahalaxmi receiving station. Therefore, it was

The Tata Power Company Limited

Backbay Receiving Station, Regulation Department 148 Lt Gen J Bhonsale Marg

Nariman Point Mumbai - 400 021 Tel 91 22 6717 2903

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

CIN : L28920MH1919PLC000567

Website : www.tatapower Email : tatapower@tatapower.com



proposed to install 33kV GIS with additional ICT at Mahalaxmi Receiving Station. Accordingly Transmission Business of Tata Power (Tata Power-T) had submitted DPR for "Addition of ICT # 5 and 33 kV GIS at Mahalaxmi" with a scheme value of Rs. 39.00 Crores for "in-principle" clearance of the Hon'ble Commission on 15th June, 2009. The Hon'ble Commission had granted its "in-principle" clearance to the DPR by their letter MERC/CAPEX/20102011/00294 dated 13th May, 2010.

Subsequent to the "in-principle" clearance, during execution, the cost of the project was estimated to increase from the approved value of Rs. 39.0 Crores to Rs. 46.15 Crores on account of change in scope due to proposed third incomer along with bus coupler and isolator for 33kV GIS as well as reactor feeders along with protection to mitigate over voltage problems at Mahalaxmi. All these reasons have been explained in this proposed revised DPR.

Reason for revised DPR Submission: Considering the cost overrun in execution of "220 kV GIS at Mahalaxmi Receiving Station", the Hon'ble Commission has made the following observations in the MYT Order of Tata Power-T in Case 22 of 2016 dated 30th June, 2016:

6.3.6 The Commission asked TPC-T to explain the cost over-run in the '245 kV GIS at Mahalaxmi Receiving Sub-station' scheme. TPC-T has replied that it has proposed Rs. 43.26 Crore owing to the change in scope due to an additional GIS Bay and higher civil and BOP package cost. TPC-T has also proposed Rs 7.50 as additional IDC cost. The Commission has approved the cost of the project based on the approved cost and has not allowed the additional amount of Rs. 50.44 Crore. TPC-T should submit a revised DPR with the additional scope of work and the reasons for revision for the Commission's approval. This disallowance leads to reduction in capitalisation of Rs 12.44 Crore in FY 2016-17, Rs 8.0 Crore in FY 2018-19 and Rs 30.0 Crore in FY 2019-20.

In line with the above mentioned directive for submission of revised DPR for "220 kV GIS at Mahalaxmi Receiving Station" and further also considering the cost over-run in the approved DPR for "Addition of ICT # 5 and 33 kV GIS at Mahalaxmi" we are, through this letter, submitting the revised combined DPR for "220 kV GIS at Mahalaxmi Receiving Station and addition of ICT # 5 and 33 kV GIS at Mahalaxmi" with a total estimated revised cost of Rs. 160.76 Crores. Both of



these DPR's have been combined in this submission as it has been executed together as single project with common contracts for price benefits.

We request the Hon'ble Commission to consider the reasons for cost and time over run and grant us the "in-principle" clearance for the revised DPR.

We trust the same is in order.

Yours faithfully,

Swati Mehendale
12/4/17

Ms. Swati Mehendale
Head - Regulatory (WR)

Enclosure: Three printed copies of DPR, STU Approval & One CD

Tata Power-T - Sub-station wise / Voltage wise Bay configuration in which amendment/rectification is proposed

Receiving Station	Voltage Level	Existing No. of Bays in present Trans. Licence (a)	No. In "proposed list" of original Lic. (b)	Addition of Bays				Removal of Bays			Proposed No.
				As per MERC Approved DPR	Over and above MERC approved DPR	Existing but not in Transmission Licence	On account of erroneous nomenclature	Removal due to decommissioning of Bays	Inadvertently included in Transmission Licence	On account of erroneous nomenclature	
Ambernath	22 kV	20	0			2					22
Backbay	33 kV	11	12	13		2					26
Bandra Kurla Complex	110 kV	0	8	6	3						9
	33 kV		25	21	15						36
Bhivpuri	110 kV	0	1	1							1
Borivli	33 kV	48	10							-19	29
	22 kV	20	0				19		-2		37
Carnac	220 kV	6	0						-2		4
	110 kV	14	0			2					16
	33 kV	47	0	12					-1		58
	22 kV	25	0			2					27
Central Railway (Wadala)	110 kV	2	0								2
Chembur	110 kV	12	0						-2		10
Dharavi	110 kV	25	0	8							33
	33 kV	90	0	15		1				-30	76
	22 kV	39	0				30				69
Grant Road	110 kV	3	0			2					5
Kalyan	110 kV	18	0						-2		16
Mahalaxmi	220 kV	0	5	5	3						8
	33 kV	0	0	28	2						30
Malad	22 kV	26	0	12	1				-2		37
Mankhurd	110 kV	9	11								9
Panvel	22 kV	10	0						-1		9
Parel	110 kV	20	1	1							21
	33 kV	56	12	10						-30	36
	22 kV	12	0				30		-1		41
	6.6 kV	23	0			5					28
Powai	110 kV	9	1			1					10
Saki	33 kV	71	0							-46	25
	22 kV	0	0	5		6	46				57
Trombay	220 kV	0	3	3	2						5
Versova	110 kV	6	11						-2		4
Vikhroli	22 kV	46	21					-4	-2		40

