



महाराष्ट्र विद्युत नियामक आयोग Maharashtra Electricity Regulatory Commission

MERC/TECH-VII/CAPEX/20122013/02113

THE TATA POWER CO.

Date: 21 December, 2012

RECEIVED ON

07 JAN 2013

AT _____ HRS. BY _____
MD'S OFFICE

To,
The Managing Director,
Tata Power Company Ltd,
Bombay House, 24, Homi Modi Street,
Fort, Mumbai-400001.

Vidyaadhar Wagle

Subject- In-principle clearance of Investment scheme submitted by TPC-T for "Installation of additional 33 kv bays at Borivali, Malad and Backbay Receiving Station".

Ref- TPC letter No.: CREG-MUMMERC/12/262 Dated 8 October, 2012.

Sir,

This has reference to the Detailed Project Report for the captioned scheme submitted by TPC-T vide letter no. CREG-MUMMERC/12/262 Dated 8 October, 2012.

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 to the Annexure.
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-T should submit quarterly progress report by 20th day of the first month of next quarter giving the status of implementation of the schemes in terms of expenditure incurred and item wise physical progress achieved during the implementation of the schemes.
4. As per the Directives of the Commission vide Order dated 3rd September 2010 (Case No 97 of 2009 of TPC-T, Page no. 39, Para 3.5) TPC-T as well as all other Transmission Utilities in Maharashtra State 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.



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



Sincerely

(Kuldip N. Khawarey)
Secretary, MERC

Encl: Annexure, Appendix A
Cc to:

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

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 (W), Mumbai - 400 056.

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

Annexure-A
Summary Appraisal of TATA Power Company Ltd. Scheme for
“Installation of additional bays at Borivali, Malad & Backbay R/s ”

A) Particulars furnished in the Feasibility Report by MSETCL

1.	a) Name of the Scheme	Installation of additional bays at Borivali, Malad & Backbay R/s	
	b) Scheme code No.	TPC-T/FY13/04	
2.	Estimated Cost	Rs.22.86 Cr.(Proposed for Approval) (Break up as per Appendix A)	
3.	ROI/ Cost Benefit	No direct monetary benefit is envisaged.	
4.	Brief Scope of Work	1) Installation of one new 33kV GIS shall be installed in vacant space available in existing 22/33kV Switchgear Room at Borivli. 2) Install & commission the additional 22 kV bus section in adjacent room & interconnection with bus section. Shift third transformer feed as incomer to the third bus section at Malad. 3) At Backbay Dismantle the wall in front of existing 33 kV GIS. Remove the existing toilet and level the floor. Extend existing bus section on both ends by 6 bays each.	
5.	Objective /Justification	Due to continuous load growth in these areas at the rate of 5 to 6% per annum, it has become necessary to provide additional 22 KV & 33 kV outlets to meet this increasing demand as requested by R Infra, TPC (D) at Borivli, Malad and by BEST, TPC (D) at Backbay The extended outlets also ensure proper capacity utilization and uninterrupted power supply to Discoms.	
6.	Funding Arrangement	It is proposed to fund the project from borrowing from external resources/financial institutions. Debt/Equity Ratio = 70%/30%	
7.	Time Frame/ Phasing of expenditure	The project is scheduled from April 2013. Duration of project from placing of the orders for material procurement & services up to completion of project is estimated to be around 18 Months.	
		Financial Year	Expenditure in Amount (` Lakhs.)
		2013-14	1798.67
		2014-15	487.03
		Total	2285.70



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 Meterting	Rs Lakhs/ bay	1.8	2	3.6	2	3.6	2	3.6
4	33kV, DURESKA, bus duct	LS		LS	100	LS	50	LS	100
5	Installation of 33kV cable terminations for bays	Rs Lakhs/ bay	0.25	12	3	9	2.25	10	2.5
6	Aux system (earthing, cable trays, lightning etc)	LS	10	LS	10	LS	10	LS	10
7	LV Power & Control cables	LS	20	LS	20	LS	20	LS	20
8	Services for SCADA integration Trombay, Carnac, Borivali, Malad	LS	20	LS	20	LS	20	LS	20
9	Installation, erection, testing & commissioning of all equipments	LS	20	LS	20	LS	20	LS	20
10	Consultancy services (@ 2%) [10=2%*Sum(1:9)]	@ 2%			14.432		10.792		12.672
11	Staff Cost (@ 5%) { 11=5% * sum(1:9) }	@ 5 %			36.08		26.98		31.68
12	Provision for contingencies @ 2% { 12=2%*sum(1:11) }	@2%			15.44		11.55		13.56
13	IDC						217.72		
14	Total Project Cost { 12 + 13 }				787.6		588.9		691.5

Total of All three Scheme Rs. 2285.7 Lakhs (Rs. 22.86 Crs.)

