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MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

13th Floor, Centre No. 1, World Trade Centre, Cuffe Parade, Colaba, Mumbai - 400 005.

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MERC

MERC/CAPEX/20102011/01560

9th November, 2010

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

Sub: In- Principle clearance of the investment scheme – Construction of 3 New 220kV Line bays at Trombay for Trombay –Dharavi-Salsette-Saki lines by TPC-T

Ref: REG/MERC/10/92 dated 5th April 2010

Sir,

This has reference to the Detailed Project Report for the captioned scheme submitted by TPC-T vide letter No.REG/MERC/10/92 dated 5th April 2010.

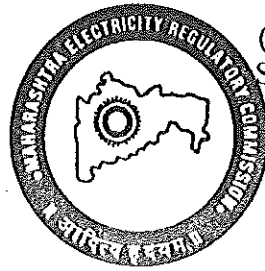
1. The scheme has been evaluated with reference to the guidelines circulated by the Commission on 9th Feb. 2005. I am directed to convey in-principle clearance of this scheme. The particulars of the scheme as approved in principle are outlined in the Annexure and the breakup of the project cost is given 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. 230
Date 11.11.10

9th 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.

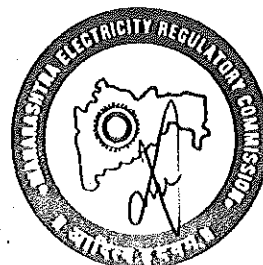
The President,
Mumbai Grahak Panchayat,
Grahak Bhavan,
Sant Dnyaneshwar Marg,
Behind Cooper Hospital,
Vile Parle (West), Mumbai 400 056.

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

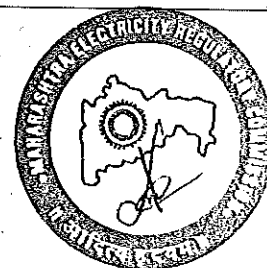
The President,
Vidarbha Industries Association,
1st floor, Udyog Bhawan, Civil Lines,
Nagpur 440 001.

Annexure-A**Construction of three new 220 kV line bays for Trombay – Dharavi – Salsette- Saki lines****A) Particulars furnished in the Feasibility Report by TPC-T**

1.	a) Name of the Scheme b) Scheme code No.	Construction of three new 220 kV line bays at Trombay for Trombay – Dharavi – Salsette- Saki lines by TPC-T TPC-T/FY10/10
2.	Estimated Cost	Rs. 31.39 Cr. (Break up as per Appendix A)
3.	ROI / Cost Benefit	These bays are required for terminating Trombay –Dharavi, Trombay Saki and Trombay – Salsette lines (approved by MERC) which are in advanced stage of construction a Trombay end
4.	Brief Scope of Work	<ol style="list-style-type: none"> 1. 3 Nos 220kV Hybrid Switchgear with CTs, isolators. 2. The output of all the three bays shall be taken underground through cables & terminated on the take-off gantry. 3. To implement this scheme, 220kV circuit, 1C * 1200 sq mm, Cu, XLPE cables of 4.5 km route length are proposed to be laid.
5.	Objective / Justification	<ol style="list-style-type: none"> 1. The work is already in progress for Trombay-Dharavi #9, Trombay-Salsette # 3 and Trombay-Saki # 1 lines which are MERC approved project. 2. Line outages are not possible with existing configuration and tripping of any line will result in the overloading of other lines in the system. 3. The power evacuation of Trombay Generation will continue to face line loading problems with N-1 condition of lines and other system disturbances like islanding etc. 4. The Transmission system reliability will deteriorate due to load growth and reduced maintenance due to non availability of outages on the existing lines.



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.)
		FY 2011(Mar. 2011)	1.35
		FY 2012 (Aug. 2011)	14.85
		FY 2012 (Jan. 2012)	10.04
		FY 2013 (Jun. 2012)	5.15
		Total	31.39



APPENDIX A

Construction of 3 new 220 kV line bays for Trombay–Dharavi–Salsette- Saki lines

Break Up of Cost estimates

All prices in Rs. Crs

Sr. No.	Description	Qty	Unit	Unit Price	Item Price
A Construction of 3 New 220kV bays at Trombay					
1.	Supply of 3 complete Hybrid Switchgear bays including CTs, LAs, Bus post etc.	1	LS	12.00	12.00
2.	Dismantling, Control, erection, testing and commissioning services for above 3 220 kV bays.	1	LS	1.0	1.0
3.	Civil foundations for 3 nos. 220 kV bays, manpower Charges etc.	1	LS	1.5	1.5
4.	Consultancy services	1	LS	0.25	0.25
5.	Man-power charges	1	LS	0.25	0.25
6.	Miscellaneous expenses	1	LS	.30	.30
	Sub Total A				15.30
B Laying of new 220kV cables at Trombay					
1.	Supply of 220 XLPE kV cables including cable sealing ends – 4.5 Kms	1	LS	10	10
2.	Services for cable laying / supervisory services	1	LS	2	2
3.	Civil works for cable laying including trenching	1	LS	1	1
4.	Man-power charges	1	LS	0.11	0.11
	Sub-Total B				13.11
	Total (A+B)				28.41
C	Contingency				0.57
D	Interest During Construction				2.41
	Sub-total (C+D)				2.98
	Total (A+B+C+D)				31.39

