

18th November 2013
CREG\MUM\MERC\13\239

The Secretary,
Maharashtra Electricity Regulatory Commission,
13th Floor, Centre-1, World Trade Centre,
Cuffe Parade, Mumbai-400 005

Sub: Change of Scope in the approved DPR "220 kV GIS at Saki and uprating of Transmission lines"

Ref:

- 1) MERC approval ref :MERC/CAP/DPR/17/07/2536 dated 4th December 2007
- 2) STU approval ref: MSETCL/CO/STU/302B/13598 dated 17th October 2013

Dear Sir,

The Hon'ble Commission had accorded its approval for the subject DPR, the details of which is as given below

SN	Description	MERC Letter Reference No.	Amount (Rs. Crs)
1	220 kV GIS at Saki and uprating of Transmission line	MERC/CAP/DPR/17/07/2536 dated 4 th December 2007	195.05

There is a change in the scope of work in the above DPR which is as detailed below:

The original scope of work included installation of 7.2 km, 220 kV overhead Transmission line from Salsette R/s to Narayan Estate and 1.5 km, 220 kV cable from Narayan Estate to Saki R/s.

Under the original scope, in the overhead line section, a stretch of around 1.5 km did not get clearance from Airport Authority of India due to restrictions of height. As a result of this, 220 kV cable has to be laid in this section of 1.5 km as well.

We had sought STU approval for the aforementioned modification in the original scope of work. The STU has approved the modification vide its letter MSETCL/CO/STU/302B/13598 dated 17th October, 2013. The same is attached as **Annexure-1** to this letter.

With this revised scope there is a likelihood of the capital cost getting exceeded by around 20% of the approved capital cost. (MERC approval attached as **Annexure-2**) We will

TATA POWER

The Tata Power Company Limited

Dharavi Receiving Station Regulations Department Matunga Mumbai 400019
Tel 91 22 6717 2636 Telefax 91 22 6717 2603

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

N. P. Sakh
OFFICE OF THE
MAHARASHTRA ELECTRICITY
REGULATORY COMMISSION
COLABA, MUMBAI - 400 005



With this revised scope there is a likelihood of the capital cost getting exceeded by around 20% of the approved capital cost. (MERC approval attached as **Annexure-2**) We will communicate the actual capitalization under the above DPR to the Hon'ble Commission through the completion report for the said scheme or in the true-up filing for the future years.

This is for your information and records please.

Yours Faithfully,

Swati Mehendale
18/11/13

Swati Mehendale

Group Head - Corporate Regulation



MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED
Name of Office: Office of the Chief Engineer (State Transmission Utility)
Office Address: Prakashganga, 5th floor / 'A' Wing, Plot C -19, E - block, BKC, Bandra (E), Mumbai:- 400051.
Contact No.: (O) 022 - 2659 5176, (P) 022 - 2659 5175, Fax: 022 - 26591222
E-Mail Id: cestu@mahatransco.in, cestu@maharashtrastu.com
Website: www.mahatransco.in, www.maharashtrastu.com

MSETCL/CO/STU/302B/1135981

Date: 17 OCT 2013

To,
 Tata Power Company Ltd
 Corporate Engineering CENTEC,
 4th Floor, Technopolis Knowledge Park,
 Mahakali Caves Road,
 Andheri (East), Mumbai-400 093

Inward No. 121/.....
Date 22/10/2013
Corporate Engg. (CENTEC)

Kind Atten: Mr. D B Rane

Sub: Approval for revised scope of 220 KV Salsette (TPCL) - Saki (TPCL) D/c transmission line.

Ref: 1) Letter from MERC no. MERC/CAP/DPR/17/07/2536 dated 04/12/2007
 2) Y.O.L no. TRANS/MSETCL-03/13-14/19 dated 29/08/2013.

Dear Sir,

This has reference to your office letter regarding technical approval for change in scope of 220 KV Salsette (TPCL) - Saki (TPCL) D/c transmission line, cited u/r 2). MERC has approved your DPR for construction of above said line; vide letter cited u/r 1).

The above said four ckt. line is also included in 5 Year STU plan for the year 2012-13 to 2016-17 and the MMR five years plan.

The D/c line was originally proposed to be constructed as overhead line from Salsette to Saki over the length of 8 kms. However, due to height restrictions by Airport Authority of India (AAI) for EHV towers this D/c line is now proposed to be constructed as 6.5 km overhead line and 1.5 km underground cable.

There is no change in original approved scope for the above line, hence technically validated. Financial validation will be carried out by MERC.

Thanking You,

Yours faithfully,



Chief Engineer
State Transmission Utility

Copy s.w.r.t:

- 1) Director (Operation) MSETCL, Prakashganga, Mumbai.
- 2) Executive Director (Operation) MSETCL, Prakashganga, Mumbai.
- 3) The Secretary, MERC.

**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

No MERC/CAP/DPR/17/07/2536

4th December 2007

Shri V.H.Wagle,
Sr.Manager, Regulations
Tata Power Company Ltd.
Regulations Department,
Corporate Center A,
34 Sant Tukaram Road,
Carnac Bunder,
Mumbai 400009

*Xc: Mr D. Raiwar
Mr. S-G-Patkar
Mr Rakesh Singh
Ccr: Mr A. Seltur*

Subject- In-principle Clearance of the Scheme for 220 kV GIS at Saki and Uprating of Transmission lines

Ref-Letter No: REG/MERC-SUB/07/026 dated 14th March 2007

Sir,

This has reference to the Detailed Project Report for the captioned scheme submitted by TPC vide letter no REG/MERC-SUB/07/026 dated 14th March 2007.

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 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.

No MERC/CAP/DPR/17/07/2536

4th December 2007

4. 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,

(P.B.Patil)

Secretary, MERC

Encl: Annexure , 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.

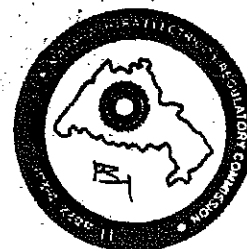
The General Secretary,
Thane Belapur Industries Association,
Plot No.P-14, MIDC,
Rabale Village, PO Ghansoli,
Navi Mumbai 400 701.

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

Shri A.D. Mahajan,
Senior Manager,
SICOM Limited,
Nirmal, 1st Floor, Nariman Point,
Mumbai - 400 021

Annexure
Brief particulars of the Scheme
for 220kV GIS at Saki and Uprating of Transmission lines
As approved in principle
(Based on the particulars furnished in DPR)

1. Name of the Scheme	220 kV GIS at Saki and uprating of transmission lines
2. Estimated Cost	Rs. 195.05 crore. (Break up of cost as per Appendix A)
3. ROI / Cost benefit	As per cost benefit analysis, an increase in transmission tariff to the distribution utilities to the extent of 0.42 Paise / unit is expected.
4. Brief Scope of Work	<p>At Salsette R/S</p> <p>Addition of two 220 kV bays on existing GIS and laying of 220 kV cable.</p> <p>220kV Salsette –Saki line</p> <p>i) Installation of 7.2 km. four circuit transmission line with "MOOSE and BISON" conductor for 220 kV and 110 kV line respectively from Salsette to Narayan Industrial Estate. At Narayan Estate installation of 220 kV overhead line to underground cable Tap – off arrangement</p> <p>ii) Laying of 1.5 km 220 kV cable from Narayan Estate to Saki R.S.</p> <p>At Saki R/S</p> <p>i) Installation of 220kV double bus GIS bays (2 I/C+BC+ 6 O/G).</p> <p>ii) Installation of two nos. of ICT, 220/110/33 kV with capacity 250/200/75MVA</p> <p>iii) Installation of 33kV GIS with single bus, two incomer, one bus coupler and 18 out going feeders.</p> <p>iv) Laying of 110kV under ground XLPE cable, Extension of 110 kV bus Section III and interconnection of Hybrid GIS switchgear with ICT.</p>



5. Objective/ Justification	To improve the supply reliability and to meet demand growth of the distribution utilities. To provide N-1 transformation redundancy at Saki R/S as per State Grid Code Regulation No 9.6													
6. Funding Arrangement	The project will be funded through internal accruals													
7. Time frame/ Phasing of Expenditure	Time period - 36 months <table><tr><td>Year</td><td>Expenditure</td></tr><tr><td>2007-08</td><td>Rs. 13.20 Cr.</td></tr><tr><td>2008-09</td><td>Rs. 54.61 Cr.</td></tr><tr><td>2009-10</td><td>Rs. 127.24 Cr.</td></tr><tr><td colspan="2">-----</td></tr><tr><td>Total</td><td>Rs. 195.05 Cr.</td></tr></table>		Year	Expenditure	2007-08	Rs. 13.20 Cr.	2008-09	Rs. 54.61 Cr.	2009-10	Rs. 127.24 Cr.	-----		Total	Rs. 195.05 Cr.
Year	Expenditure													
2007-08	Rs. 13.20 Cr.													
2008-09	Rs. 54.61 Cr.													
2009-10	Rs. 127.24 Cr.													

Total	Rs. 195.05 Cr.													



Appendix A**Scheme for
220kV GIS at Saki and Uprating of Transmission lines****(Break up of the project cost)**

Sr. No.	<u>Item Description</u>	Rs. Lakhs
1	220 kV U/G cables with accessories	4000.00
2	220 kV GIS with accessories at Saki	3600.00
3	250 MVA, 220/110/33 kV Transformer with accessories	3000.00
4	Civil Works	1445.00
5	33kV GIS with accessories	935.00
6	220 kV GIS bays with accessories	800.00
7	Conductor, insulator, hardware for overhead line	720.00
8	Erection, testing & commissioning services	625.00
9	110/33 kV cable with accessories	300.00
10	Control & protection Panels	250.00
11	110 kV GIS Hybrid switch gear	150.00
12	220 kV Overhead-Under ground terminations	120.00
13	Land at Narayan Industrial estate	120.00
14	Consultancy services	350.00
15	Contingency	1644.00
16	IDC	1418.90
17	TOTAL PROJECT COST (incl. IDC)	19504.90

Total Rs. 195.05Cr.