

**Maharashtra State Electricity Transmission Company Ltd.**

**EHV CONSTRUCTION CIRCLE, AMRAVATI**

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No. SE/EHV/CC/AMT/Tech/

**NO 1901**

Date :-

**20 OCT 2011**

To,  
The Chief Engineer,  
EHV CCO&M Zone,  
Amravati.

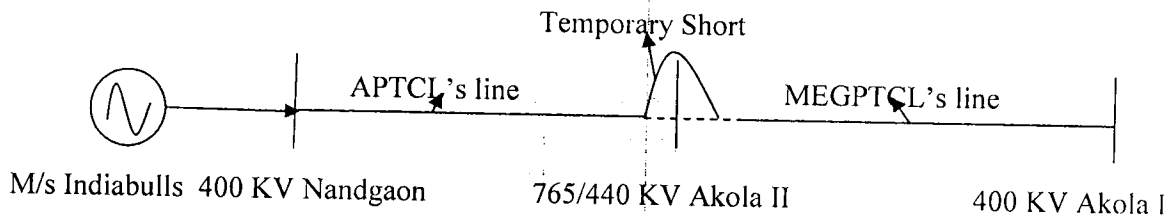
Sub:-Evacuation of Power from 5X270 MW (Phase-I) Coal based Power Plant to be set up by M/s Indiabulls at Nandgaon Peth, Amravati.

- Ref:- 1) M/s APTCL's Letter No:- APTCL/400KV/LILO & ML/11-12/061 Dt. 15-10-11  
2) Your office letter No :- CE/EHV/CCO&M/Zone/Amt/Tech No 2650 Dt.20-09-11  
3) Hon MERC's order Dt 30<sup>th</sup> Dec 2010 against case no 32 of 2010.  
4) Hon MERC's Transmission license no 3 Dt. 30<sup>th</sup> Dec 2010.  
5) The CE STU's Letter NO:- MSETCL/CO/STU/302B/15188 Dt. 30-09-2010  
6) The CE STU's Letter No:-MSETCL/CO/STU/302B/3460 Dt. 09-03-2010

This office is in receipt of the your office letter cited under reference 2, asking to submit the technical feasibility for grid connectivity to 5X270 MW (Phase-I) Coal based Power Plant to be set up by M/s Indiabulls at Nandgaon Peth, Amravati. In this regard, following points are brought to your kind notice.

- 1) The CE STU, vide letter cited u/r 5, had originally granted the grid connectivity for the said project with following scope of works.
  - i) LILO of 400 KV Koradi-Akola S/C line at their Plant S/S
  - ii) 400 KV Nandgaon Peth –Akola I DC Quad Moose line
- 2) Subsequently, with due discussions with, STU, M/s Maharashtra Eastern Grid Power Trans. Co. Ltd.(MEGPTCL) & M/s Amravati Power Transmission Co. Ltd (APTCL), Hon. MERC has granted Transmission license No 3 of 2010, Dated 30<sup>th</sup> Dec 2010, to APTCL, for construction of-
  - i) LILO of 400 KV Koradi-Akola S/C line at their Plant S/S
  - ii) 400 KV Nandgaon Peth – Akola- DC Quad Moose line ( Line to be taken and connected to Akola I S/S of MSETCL initially and subsequently extended and connected to Akola II S/S ) &
  - iii) 2 Nos of 400 KV line bays at MSETCL Akola I S/S.
- 3) Vide letter cited u/r 1, M/s APTCL has informed that they are constructing –
  - i) 400 KV Nandgaon Peth – Akola-II (i.e. 765 KV Akola S/S) DC Quad Moose line of 104 KM and
  - ii) LILO of 400 KV Koradi-Akola S/C line at their Plant S/S 6.806 KM.The works of both lines have already been taken up by M/s APTCL.
- 4) As per license No 1 of 2010, Dt 21-12-2010, construction of 400 KV Akola I – Akola II DC Quad line is in the scope of M/s MEGPTCL.
- 5) The schedule CODs of Unit 1 to 5 of M/s Indiabulls are in May 12, July 12, Sept 12, Nov 12 & Jan 2013 respectively. Whereas 765 KV Akola II S/S is planned in STU five year Plan during 2012-13.

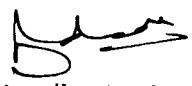
- 6) As, M/s APTCL is directly terminating their 400 KV Quad DC line to Akola II S/S, instead of Akola I S/S , commissioning of 400 KV Nandgaon Peth – Akola-II DC Quad line( by M/s APTCL), 765 KV Akola II S/S & 400 KV Akola I – Akola II DC Quad line ( by M/s MEGPTCL) needs to be done in matching timeframe with the COD of Unit 1 of M/s Indiabulls i.e. before May 2012, to avoid the bottlenecks in evacuation of power of M/s Indiabulls. However, Possibility of commissioning of 765 KV Akola S/S before May 2012 seems to be very rare.
- 7) Hence, if M/s APTCL is terminating their line at Akola II S/S , then M/s MEGPTCL's 400 KV Akola I-Akola II line needs also to be commissioned in matching timeframe with COD of M/s Indiabulls Project so that their power can be evacuated at 400 KV Akola I S/S by shorting APTCL's & MEGPTCL's lines outside 765 KV S/S. And after commissioning of 765 Akola S/S, M/s Indiabulls can be connected to 765 KV Akola S/S by removing the shorting. The proposed arrangement is depicted in following diagram.



However, for this arrangement, MOU is felt necessary between STU, M/s APTCL & M/s MEGPTCL.

Regarding the feasibility of lines, M/s APTCL have informed that both , LILO of 400 KV Koradi-Akola S/C line at their Plant S/S (6.806 Km) and 400 KV Nandgaon Peth – Akola-II DC Quad Moose line, (104 Km) are feasible and work has already taken up in hand.

Submitted for your kind information and needful action please.

  
**Superintending Engineer**  
 EHV Constn Circle,  
 Amravati

Copy s.w.r.to:

- 1) **The Chief Engineer**, (Project & Design/ Contract & Monitoring) MSETCL, CO, Mumbai
- 2) **The Chief Engineer**, STU, MSETCL, CO , Mumbai

Copy fwc to:-

✓ **Mr. A.V Ingole** , Dy. G.M. Transmission, M/s Amravati Power Transmission Co. Ltd. Plot no D2&D-2(Part) at Additional Industrial Area, Nandgaon Peth, Amravati 444901.  
 Fax- 0721-2552364

Copy To:-

- 1) **The Executive Engineer**, EHV Const Div 1, Amravati:- He is requested to carry out joint inspection with M/s APTCL to confirm the feasibility and line lengths of lines mentioned in the last para and report compliance to this office immediately.