

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.

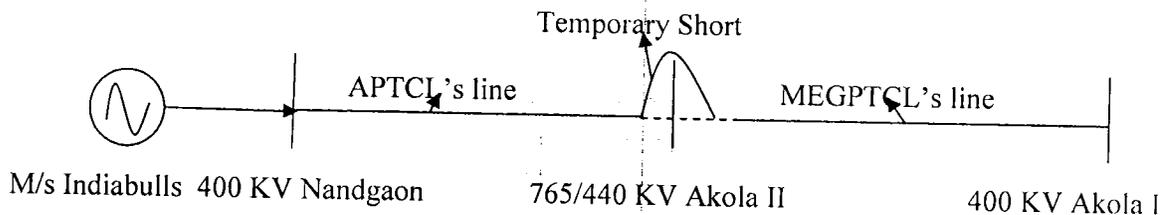
Sub:-Evacuation of Power from 5X270 MW (Phase-I) Coal based Power Plant to be set up by M/s Indiabulls at Nandgaon Peth, Amravati.

- 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 30th Dec 2010 against case no 32 of 2010.
4) Hon MERC's Transmission license no 3 Dt. 30th 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 3of 2010, Dated 30th 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.

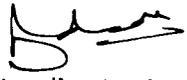
- 6) As, M/s APTCL is directly terminating their 400 KV Quad DC line to Akola II S/S, instead of Akola I S/S , commissioning of 400 KV Nandgaon Peth – Akola-II DC Quad line(by M/s APTCL), 765 KV Akola II S/S & 400 KV Akola I – Akola II DC Quad line (by M/s MEGPTCL) needs to be done in matching timeframe 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.