



भारत सरकार/Government of India
विद्युत मंत्रालय/Ministry of Power
केंद्रीय विद्युत प्राधिकरण/Central Electricity Authority
जल विद्युत अभियांत्रिकी व प्रौद्योगिकी विकास प्रभाग
Hydro Engg. & Technology Dev. Division
सेवाभवन, आर. के. पुरम-1, नई दिल्ली-110066
Sewa Bhawan, R. K. Puram-1, New Delhi-110066

टेली/Tele: 011-26732789
ईमेल/Email: hetdcea@nic.in
वेबसाइट/Website: www.cea.nic.in

No. 10/3/HETD/2022/

Date: 28.04.2022

To,
(As per list attached)

Subject: Clarification on "CEA Guidelines for the Type Tests for major Equipment of Power Sector" - reg.

Ref: M/s LS Cable India (LSCI) mail dated 18.04.2022 on participation in the NHPC Tender for procurement of 400kV XLPE Cable under Make-in-India Scheme – Gem Bid: Gem/ 2022/ B/ 1955440 Dt. 02.03.2022

Sir,

Reference is invited to the email from M/s LS Cable India under above cited reference vide which request had been made for clarification on **Clause no. 3 (j) of "CEA Guidelines for the Type Tests for major Equipment of Power Sector" with reference to PQ Test for XLPE Cable covered under the said Clause** to enable their participation in above NHPC tender.

In respect of above, following observations/ clarifications are made:

1. The Cl. no. 3(j) of above said CEA Guidelines is as specified below:

"The equipment shall be supplied from the same manufacturing works, where from the sample unit was manufactured and successfully type tested as per relevant standard (IS/IEC) or at the works of Parent organization in case of technology transfer/ Joint Venture (JV)/ own manufacturing plant etc. for the initial period of 03 years from the date of establishment of manufacturing plant".

2. The eligibility/ qualifying criteria of NHPC is as specified below:

*"Manufacturer must have manufactured and supplied 400 KV class or above, XLPE Cables of size of 1000 mm² or above and which are subsidiaries of any Foreign company can be qualified on the basis of experience of Parent/ Holding company if the Parent/ Holding Company meets the experience as stipulated above subject to Parent/ Holding Company confirming full support for technical and financial requirements of the subsidiary company and commits to take up the work itself in case of no-performance by the subsidiary company & commits to sign a Separate Agreement with NHPC (as per enclosed format At Annexure-B). **The subsidiary company should have completed the type test and Pre-Qualification test for product manufactured at his facility.**"*

3. It has been communicated by M/s LSCI that they are the wholly owned subsidiary of M/s LS Cables (South Korea), and the parent company possesses the valid PQ & Type Tests reports, whereas, it has also been conveyed by M/s LSCI that they are in the process of getting the slot from CPRI for conduction of Type Tests and from overseas accredited tests labs for PQ tests as they have not started manufacturing till date.
4. Clause 3(j) of CEA guidelines is very specific and talks about the acceptability of the

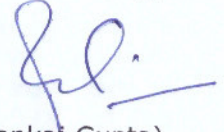
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Type Test Reports of the parent company of the Indian subsidiary for the period of 3 years from the date of the establishment of manufacturing plant in India in line with the spirit of 'Make-in-India' initiative. It is seen that the PQ Test is nothing but a group of few (3) Type Tests only wherein only one Test has basically slight difference in terms of number of cycles for which it is repeated viz. the Heating Cycle Test under PQ is being done for 180 cycles (taking about one year) against 20 cycles for the same Test under normal/ separate (individual) Type Test. **Accordingly, it is observed that these PQ Tests basically fall under the category of Type Tests only and therefore, the Clause 3j) of above said CEA Guidelines shall be equally applicable in case of the requirement of PQ test.**

5. The above Type Test Guidelines issued by CEA shall be read in conjunction with this clarification prospectively.

This issues with the approval of competent authority.

Yours faithfully,



(Pankaj Gupta)
Director

As per list:

1. Joint Secretary (Adm./ Hydro), Ministry of Power, Government of India, New Delhi.
2. Heads of All Power Utilities/ Main E&M Equipment Manufacturers (including M/s LS Cable (India), 632-634, 6th Floor, Park Centra, Sector-30, Gurugram, Haryana - 122002).
3. SA to Chairperson, CEA.
4. SA to Member (Hydro/Thermal/Power System/Planning/GO&D/E&C), CEA.
5. Chief Engineer (TETD/ PSETD/ R&D/ DPT/ R&D/ Legal), CEA.