

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.

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CIN NO-U40109MH2005SGC153646

Ref No. EE/EHV O&M/DN/SGL/T/ No. **1150**

Date : **08 AUG 2017**

Corrigendum

Sub:- Clarification regarding Rfx No. 7000005917 for the Work of Transformer oil Filtration at various EHV S/Stns under EHV O&M Division, Sangli.

In Rfx. No. 7000005917, in Schedule “B” (Scope of Work), item No “A” ,“B”, C” & “D” is amended as follows.

A. FILTRATION:- Filtration of transformer oil of EHV power transformers installed at various sub-stations under EHV O&M Division, Sangli is to be carried out under this contract. The filter machine of adequate capacity, necessary manpower, required T&P and the testing equipment shall be arranged by the contractor. The oil shall be tested before commencement of the filtration and also after the completion of the same. The filtered oil shall be tested for:

Sr. No.	Name of test	Permissible value
1.	Electric strength (B.D.V.) across a gap of 2.5 mm.	65 KV Min. (RMS value)
2.	Acidity	0.1 Mg KOH / g (Max.)
3.	Water content	15 PPM (Max.)

The handling of the transformer oil shall be strictly as per the provisions of the clause viz. ‘Handling and Treatment of Oil’ of ISS 1866/1961 as amended up to date. Care should be taken to ensure that there is minimum possible aeration, while handling the oil. The quantity of the oil required to be filtered will be that mentioned on the nameplate of the transformer and shall include the oil in the main tank, OLTC, conservator and radiators.

The daily hourly chart for the progress duly signed by the representative of the MSETCL and Contractor is to be maintained as below:-

Sr. No.	Date	Time	Temperature	Megger Values		
				HV – LV	HV – E	LV – E

“B”- OIL REPLACEMENT:- Draining out the oil from transformer & flushing in the fresh oil should be done as per standard procedure. MSETCL will provide the storage facility like oil tank/barrels. The barrel handling have to be done by the contractor. However oil filling should be done by machine only.

“C”- APPLYING HEATING CYCLES:- Alternate heating cycle is to be applied to the transformer (only main tank) after blanking the radiators. For heating purpose only, used oil is to be circulated. The temperature shall vary in steps of 5° C difference, upto 65° C. The core & winding temperature attained (measured with an electronic probe) shall be the same as the circulating oil temperature during the heating cycle for 3 - 4 Hrs.

“D” VACUUMING:- This item should be considered as deleted.

IMP: The works A –C are to be executed to the satisfaction of the Engineer In-charge.

Remaining all the terms & Conditions in Rfx No. 7000005917 will remains unchanged.

**Sd/-
Executive Engineer
M.S.E.T.C.Ltd.
EHV O&M Dn, Sangli**