

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD

A Govt. of Maharashtra Undertaking
CIN: U40109MH3155SGC153645

Office of the Regional Director

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RD/Pune/Tech/GTP- 22kV/200kVA/

No - 636

Dtd:- 13 JUN 2019

To,

M/s Rohitra India Pvt. Ltd.,

S-24, MIDC Bosari, Pune-26.

Sub:- Approval of GTP and Drawings of 22/0.433 kV, 200kVA Level- II, as per BIS 1180 Part-I, 2014, Indoor/Outdoor Type, Distribution.

- Ref:-**
1. Offer letter Dtd 02.04.2019.
 2. RD/Pune/T/GTP120 Dtd -12.04.2019
 3. CE/MMC/MS-III/3Phase/DT/T/2017/03, Amended on Date: 12.05.2017
 4. CE/Infra II/EE-IV/Vendor/36802 Dtd 16.10.2015
 5. CE/Infra II/EE-IV/Vendor/29405 Dtd 24.07.2015
 6. BIS Certification No L- 7500182414
 7. The Gazette of India, (MoP-Notification) Dtd. - 17/02/2017
 8. CE / MMC / Gr. XII / 000604 Dtd. - 23/02/2017
 9. SE/TQA/ PR/Office Note/28 Dtd. 24.04.20196.

Dear Sir,

In connection to above, this office is in receipt of your proposal, regarding approval of GTP and drawings of **22/0.433 kV, 200kVA Level- II, as per BIS 1180 Part-I, 2014, Indoor/Outdoor Type, Distribution Transformers.**

Accordingly the submitted GTP, Drawings and Type Test reports of **22/0.433 kV, 200kVA, Level- II, as per BIS 1180 Part-I, 2014, Indoor/Outdoor Type, Distribution Transformers** are technically scrutinized as per IS:1180, Part I: 2014, MSEDCL Technical specifications videreferences(2, 3& 4)& submitted Type Test Reports (-ERDA, Vadodara). The details of drawings are as below:-

Details of Drawings submitted:-

Sr. No.	Title of Drawings for Outdoor Type, Distribution Transformers	Drawing Number
1	Rating & Diagram Plate	RIPL-200-22-L2-NP-OD-01
2	General Assembly	RIPL-200-22-L2-GA-OD-02
3	Core Coil Assembly	RIPL-200-22-L2-IA-OD-03
4	Technical Details	RIPL-200-22-L2-TD-OD-04
5	General Arrangement & Creepage of HV Bushing	RIPL-200-22-L2-HVB-OD-06
6	General arrangement & Creepage distance of LV Bushing.	RIPL-200-22-L2-LVB-OD-05
7	Silica Gel Breather.	RIPL-200-22-L2-BRE-OD-07

Sr. No.	Title of Drawings for Indoor Type, Distribution Transformers	Drawing Number
1	Rating & Diagram Plate	RIPL-200-22-L2-NP-ID-01
2	General Assembly	RIPL-200-22-L2-GA-ID-02
3	Core Coil Assembly	RIPL-200-22-L2-IA-ID-03
4	Technical Details	RIPL-200-22-L2-TD-ID-04
5	General Arrangement & Creepage of HV Bushing	RIPL-200-22-L2-HVB-ID-06
6	General arrangement & Creepage distance of LV Bushing.	RIPL-200-22-L2-LVB-ID-05
7	Silica Gel Breather.	RIPL-200-22-L2-BRE-ID-07
8	HV Cable Box	RIPL-200-22-L2-LVC-ID-08
9	LV Cable Box	RIPL-200-22-L2-HVC-ID-09

Details of Type Test Reports:-

Sr. No.	Type Test Particulars	Type Test Report No. & date	Place of Testing
1	Lightening Impulse Test [IS:2026 (Part 3)]	RP-1819-041240 Dtd 22.01.2019	ERDA, Vadodara
2	Temperature Rise Test		
4	Pressure Test		
5	Oil Leakage Test		
6	Short Circuit withstand test		

The submitted Type Test report are of **Energy Efficient Level-2** and as per IS: 1180 (Part-I), 2014 with amendment No.1&2; are within the stipulated validity of 5 years.

The offered / submitted GTP and drawings were technically scrutinized as per IS: 1180, Part I: 2014 the relevant IS, submitted Type Test Report (ERDA, Vadodara) and MSEDCL Technical specifications vide ref.no.2, 3& 4 and are generally found in order.

One set of approved GTP, Drawing with duly sign & stamped copy are enclosed herewith. The approval is given subject to the following terms & conditions

- 1) All routine & acceptance test shall be carried out on all above Transformers as per IS-2026, IS-1180 (amended up to date) at firm's factory in presence of Executive Engineer (Testing), MSEDCL.
- 2) This approval shall not be considered for any technical/ commercial evaluation for procurement in MSEDCL.
- 3) All transformers supplied against this specification shall be guaranteed for a period of 66 months from the date of receipt at the consignee's Stores Center or 60 months from the date of commissioning, whichever is earlier. However, any engineering error, omission, wrong provisions, etc. which do not have any effect on the time period, shall be attended to as and when observed/ pointed out without any price implication.
- 4) The firm should maintain same design & Construction of all above rating transformers strictly in accordance with the approved GTP's and Drawings and MSEDCL Technical Specifications and IS-2026 & IS-1180 only. However if any minor changes in the equipments are required changes shall be made locally in consultation with Executive Engineer (Testing) with intimation to this office.
- 5) The balance tests as per MSEDCL Specifications /IS 1180 Part I (2014) shall be carried out in consultation with Executive Engineer (Testing).
- 6) This approval shall not relieve you from the responsibility and liability to ensure correctness of the drawings and its correct interpretation for meeting the requirements as per MSEDCL Technical specifications and latest amended IS Specifications. The Distribution Transformers shall conform to IS: 1180 (Part 1): 2014 amended up to date or other International Standards for equal or better performance.
- 7) The procedure of RST & inspection are laid down in MSEDCL Technical Specification shall be adopted scrupulously.
- 8) The validity of type test is 5 years. The type test should be renewed before the said validity period. On expiry of validity of the type tests approval stands cancelled.
- 9) Other guarantee technical particular for 22/0.433kV, 200kVA BIS approved Dist. Transformer should be strictly in accordance the technical specifications & relevant IS standards (amended up to date)
- 10) This approval shall be reviewed after 2 years by doing sample testing of the commissioned Distribution Transformers. After testing if the performance of the job is not satisfactory, this vendor approval will be treated cancelled
- 11) This approval is accorded for GTP/ Drawings of **22/0.433 kV, 200kVA Level- II, as per BIS 1180 Part-I, 2014, Indoor/Outdoor Type, Distribution Transformers** for supply in Scheme sanctioned / Tenders/works; i. e. for DDF/DPDC/SCP/ Schemes and to HT Consumers in MSEDCL network (except for Infra Plan, IPDS & DDUGJY Scheme).

SST
Superintending Engineer (O)
MSEDCL, Pune Region

Copy S.w.rs.to:-

Regional Director, MSEDCL, Regional Office, Pune /Kokan / Aurangabad / Nagpur Regions.