

SCHEDULE OF GUARANTEED TECHNICAL PARTICULARS OF 33 KV CT- PT UNITS 0.2S ACCURACY (OUTDOOR TYPE)

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| 1. | Name of Manufacturer | |
| 2. | Type of Equipment (Out Door Oil Immersed) | |
| 3. | Overall Dimensions of the equipment | |
| 4. | Dimensions of the tank (Please furnish drawing with the offer) | |
| i) | Length (mm) | |
| ii) | Breadth (mm) | |
| iii) | Height (mm) | |
| 5. | Material of the tank | |
| i) | Thickness of Bottom & Top Cover (mm) | |
| ii) | Thickness of Sides (mm) | |
| 6. | Make of Insulating oil to be used | |
| 7. | Volume of insulating oil in the Tank (Lt) / Weight of oil (Kg) | |
| 8. | Total Weight of the complete equipment with oil and fittings (Kg) | |
| 9. | Bushing details | |
| i) | Make | |
| ii) | Total creepage distance (not less than 300 mm) | |
| iii) | IS to which bushing conforms | |
| iv) | Minimum electrical clearance between phase to phase (not less than 350 mm) | |
| v) | Minimum electrical clearance between phase to earth (not less than 350 mm) | |
| 10. | Current Transformer | |
| i) | Nominal system voltage (KV rms) | |
| ii) | Highest system voltage (KV rms) | |
| iii) | Frequency | |
| iv) | Impulse withstand (KV Peak) (on metering unit) | |
| v) | One minute power frequency dry withstand voltage test (on metering unit) | |
| (a) | Primary (KV rms) | |

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| (b) | Secondary (KV rms) | | | | | | | | | | | | |
| vi) | One minute power frequency wet withstand voltage test (KV peak) (on metering unit) | | | | | | | | | | | | |
| vii) | Transformation ratio (C.T. Ratio) | 10/1A to 400/1A | | | | | | | | | | | |
| viii) | Weight of Core of C.T (3 nos. in Kg) | | | | | | | | | | | | |
| ix) | Material of core | | | | | | | | | | | | |
| x) | Weight of copper in CT primary (3 Nos.) | | | | | | | | | | | | |
| xi) | Weight of copper in CT secondary (3 nos.) | | | | | | | | | | | | |
| xii) | Cross sectional of primary | | | | | | | | | | | | |
| xiii) | No. of primary turns | | | | | | | | | | | | |
| xiv) | CT primary conductor size | | | | | | | | | | | | |
| xv) | Cross sectional area of secondary | | | | | | | | | | | | |
| xvi) | CT secondary conductor size | | | | | | | | | | | | |
| xvii) | No. of secondary turns | | | | | | | | | | | | |
| xviii) | Rated output (VA burden) | | | | | | | | | | | | |
| xix) | Class of accuracy | | | | | | | | | | | | |
| xx) | Rated continuous thermal current | | | | | | | | | | | | |
| xxi) | Short time thermal current rating | | | | | | | | | | | | |
| xxii) | Rated dynamic current. | | | | | | | | | | | | |
| xxiii) | Instrument Security factor | | | | | | | | | | | | |
| xxiv) | Maximum ratio error | | | | | | | | | | | | |
| xxv) | Maximum Temp. rise over ambient Temp, of 50 ⁰ C at rated continuous thermal current at rated frequency and burden. | | | | | | | | | | | | |
| xxvi) | (a) Current density at STC for 1 second (max) (b) Current density at rated current (maximum) | | | | | | | | | | | | |
| 11. | Potential Transformer | | | | | | | | | | | | |
| i) | Nominal system voltage (KV rms) | | | | | | | | | | | | |
| ii) | Highest system voltage (KV rms) | | | | | | | | | | | | |
| iii) | Frequency | | | | | | | | | | | | |
| iv) | Transformation ratio | | | | | | | | | | | | |
| v) | Rated output (VA burden) per phase | | | | | | | | | | | | |
| vi) | Class of accuracy | | | | | | | | | | | | |

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| vii) | No. of phase | |
| viii) | Weight of Core of P.T. (Kg) | |
| ix) | Material of the core | |
| x) | Weight of copper in PT primary | |
| xi) | Weight of copper in PT secondary | |
| xii) | Class of Insulation | |
| xiii) | Cross sectional of primary | |
| xiv) | No. of primary turns | |
| xv) | Cross sectional area of secondary | |
| xvi) | No. of secondary turns | |
| xvii) | Maximum ratio error | |
| xviii) | Max. phase angle error | |
| xix) | Rated voltage factor and time. | |
| xx) | Max. Temp. rise over ambient temp. | |
| xxi) | Winding connections | |
| (a) | Primary | |
| (b) | Secondary | |
| | Whether neutrals are brought out | |
| 12. | Whether the metering equipment Is suitable for satisfactorily working under abnormal conditions viz-single phasing supply by arrangements by Looping supply phase with other line phase. | |
| 13. | Minimum electrical clearance between phase to earth with bushing mounted on equipment | |
| 14. | Whether air pressure release device is provided | |
| 15. | Whether arrangement provided to take care of expansion & contraction in oil. | |
| 16. | Whether oil conservator tank is provided | |
| 17. | Whether oil drain plug is provided | |
| 18. | Whether 2 Nos. earthing terminals are provided. | |
| 19. | Whether dimensional drawing of the offered equipment is enclosed | |
| 20. | Whether Oil gauge is provided on the conservator tank. | |
| 21. | Whether secondary terminals in the terminal box are properly marked | |
| 22. | Whether base channels are mounted as per specification. | |
| 23. | Whether terminal connectors are provided as per specification. | |

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| 24. | Whether meter box, secondary wiring and GI connecting pipe provided. | |
| 25. | Resistance of H V and LV winding at 75C per phase. | |
| 26. | Value of max. Current density of primary of C.T. | |
| 27 | Weight of Core of C.T (in Kg) | |
| 28 | Material of core | |
| 29 | Weight of copper in CT primary (in kg) | |
| 30 | Weight of copper in CT secondary (in kg.) | |
| 31 | Cross sectional of primary(sq. mm) | |
| 32 | No. of primary turns | |
| 33 | CT primary conductor size(mm) | |
| 34 | Cross sectional area of secondary (sq. mm) | |
| 35 | CT secondary conductor size(mm) | |
| 36 | Secondary Limiting Voltage. | |
| 37 | 1/50 ms impulse withstand test voltage | |
| 38 | Power frequency dry withstand test voltage | |
| 39 | Secondary winding resistance of CT | |