**PONDICHERRY UNIVERSITY**

**ELECTRICAL WING**

Schedule of Work

**Name of the Work:** Purification of transformer oil at various sub-stations, painting the

HT tubular poles and servicing the AB switches at University Campus for the year 2017.

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| Sl. No. | Description of Items | Qty | Unit | Rate | Amount |
| 1. | Purification of oil in the following KVA outdoor plinth mountable LT distribution transformer for three circulations by streamline process method up to the rated BDV.   1. 250 KVA Transformer 2. 315 KVA Transformer 3. 500 KVA Transformer | 1 no.  7 nos.  6 nos. | Each  Each  Each |  |  |
| 2. | Purification of oil in the following KVA compact LT distribution transformer for three circulations by streamline process method up to the rated BDV.   1. 500KVA Transformer. | 5 nos. | Each |  |  |
| 3. | Replacing the damaged gas kit (HT, LT side and oil tank) for the 315KVA transformer by draining the oil and refilling the oil as required. | 1 no. | Each |  |  |
| 4. | Replacing the damaged gas kit (LT side) for the 500KVA transformer by draining the oil and refilling the oil as required | 1 no. | Each |  |  |
| 5. | De rusting and painting of transformer & plinth including painting the earth and neutral strips between the transformers with one coat of enamel paint of approved colour. | 14 nos. | Each |  |  |
| 6. | De rusting and painting of compact Substation container including earth, neutral strips and plinth with one coat of enamel paint of approved colour. Size:2.5mtr x 3.1mtr x 2.3mtr | 5 nos. | Each |  |  |
| 7. | Supply and replacing silica gel in the breather up to MVA rating of transformers. | 5 Kg | Kg |  |  |
| 8. | Servicing of 22 KV grade, 400A air blast switch set by applying the grease and correct the switch for smooth operation as required. | 10 sets | Each |  |  |
| 9. | Supply and replacement of suitable Bi-metallic clamp in the connection terminal of the ACSR conductors and copper conductors as required. (heavy) | 30 nos. | Each |  |  |
| 10. | Painting of 22 KV outdoor following tubular pole structure, structure channels with one coat of zinc chromate primer and one coat of aluminum paint.   1. Double pole structure. | 4 nos. | Each |  |  |
| 11. | Charges for BDV test using standard test kit and should issue test certificate for the test result. The oil has to be tested after and before the purification/ replacement of oil. | 19 nos. | Each |  |  |
| 12. | Charges for testing acidity of the oil from the approved chemical lab. | 19 nos. | Each |  |  |
| 13. | Supplying of Bi-metallic clamp (heavy). | 20 nos. | Each |  |  |
| 14. | De rusting and painting of transformer yard fencing including painting the ‘L’ angle, gate grille and masonry works with one coat of zinc chromate primer and one coat of aluminum paint. | 700  Sq. mm | Sq. mtr |  |  |
| **Total** | | | | |  |

Terms & Conditions:

1. The work shall be carried out strictly in accordance with CPWD General Specifications for the Electrical works as amended up to date.
2. Prior approval of the Engineer in charge is required for all the materials to be used on works. Non- standard quality materials shall not be acceptable.
3. Bad workmanship shall not be accepted. Such work is liable for rejection and shall be rectified by the contractor at his own risk and cost.
4. Payment will be arranged after satisfactory completion of the work.
5. Amount will be arrived on the actual works done basis.
6. The work should be carried out immediately on receipts of this work order.
7. The rate for each item of work to be quoted in the enclosed schedule of work format only otherwise, the quotation in any other format is considered as invalid quotation.
8. The work should be completed within two months from the date of issue of the work order.
9. **Your quotation shall be accompanied with tender document Rs.520/- and EMD for an amount of Rs.3,800/- in the form of a DD drawn infavour of “Finance officer, Pondicherry University” payable at Pondicherry.**

**Name and signature of the Firm/**

**Contractor with Seal. ASSISTANT ENGINEER(E)**