विद्युत कार्यशाला मण्डल,

पूर्वान्चल विद्युत वितरण निगम लिमिटेड, वाराणसी,

जनपद वार स्थापित वितरण परिवर्तकों का विवरण

क्रम सं0	जनपद का नाम	वर्ष 2018–19	वर्ष 2019–20
प्रयागराज क्षेत्र			
1	प्रयागराज	48659	53842
2	प्रतापगढ़	30549	37115
3	कौशाम्बी	13562	16599
4	फतेहपुर	41231	45999
	योग	**134001**	**153555**
मिर्जापुर क्षेत्र			
1	मिर्जापुर	39755	43549
2	सोनभद्र	27086	32070
3	भदोही	23295	23431
	योग	**90136**	**99050**
वाराणसी क्षेत्र			
1	वाराणसी	19584	24094
2	जौनपुर	43246	48452
3	गाजीपुर	25161	28880
4	साहूपुरी	10487	14998
	योग	**98478**	**116424**
आजमगढ़ क्षेत्र			
1	आजमगढ़	27031	30092
2	मऊ	10285	11488
3	बलिया	21417	23130
	योग	**58733**	**64710**
गोरखपुर क्षेत्र			
1	गोरखपुर	31935	34413
2	महराजगंज	9008	10201
3	देवरिया	11687	14087
4	पड़रौना	18261	20119
	योग	**70891**	**78820**
बस्ती क्षेत्र			
1	बस्ती	23981	24548
2	संतकबीर नगर	9958	11199
3	सिद्वार्थनगर	14687	16561
	योग	**48626**	**52308**
कुल योग		**500865**	**564867**

Details of Transformer Repairing work in different workshops of PuVVNL

Sl. No.	Description of Work
1	Handling and dragging of transformer from stacking yard to repairing hall.
2	Cutting of Sealed transformers top cover plate smoothly and uniformally by gas/chisel cutter or opening of top cover plat and detanking of core and coil assembly.
3	Dragging of the tank from the repaired hall to yard. & cleaning oil and dust etc. and scraping the rust etc and Washing of Transformer tank with Caustic Soda & water.
4	Painting of inner side of transformer tank and channels with heat proof zinc chromate paint of good quality.
5	Dragging out empty tank from yard to repairing hall.
6	Dismantling core and coil assembly and cleaning of dust and dirt from the core assembly and checking of LV and HV leg coils for assessing its reuse, rechecking and recording of physical dimensions of coil and cleaning of core and their components etc.
7	Reconditioning of minor damaged in LV leg coil/ Strip of transformer. work includes removing of damage part DPC insulation and providing new DPC on same HV coil/LV Strip should be properly cleaned and should be made of same size as of original OR
8	"Making of complete LV leg Alu. Leg coils identical to original one with same number of turns, weight etc providing super enameled / DPC conductor/ Strip confirming to IS 1971 /53 in place of old and damage coil. Alu. coil, wire strip will be provided by the department. All coil assembly of identical voltage shall be interchangeable without requiring any special equipment. Coil shall be supported between adjacent sections by insulations, spacers, beamers and other insulations.Rewinding shall be arranged to ensure free circulation of oil to reduced hot spots in winding. The insulation of coil shall be treated with suitable insulating, varnish or equivalent compound to develop the full electrical strength of winding as per original design.
9	"Making of complete HV leg Alu. Leg coils identical to original one with same number of turns, weight etc providing super enameled / DPC conductor/ Strip confirming to IS 1971 /53 in place of old and damage coil. Alu. coil, wire strip will be provided by the department. All coil assembly of identical voltage shall be interchangeable without requiring any special equipment. Coil shall be supported between adjacent sections by insulations, spacers, beamers and other insulations.Rewinding shall be arranged to ensure free circulation of oil to reduced hot spots in winding. The insulation of coil shall be treated with suitable insulating, varnish or equivalent compound to develop the full electrical strength of winding as per original design.
10	Assembly of core and coils and fitting of other parts requiring replacement such as press board, making supports between adjacent sections by insulating spares and rapping etc & tapping etc. (Brazing/soldering).
11	Shifting and keeping the assembled core coil etc. in Oven from the repairing and assembly place.
12	Taking out assembled core and coils assembly from the OVEN and shifting to repairing hall.
13	Retanking of complete assembly into painted tank and tightening of the assembly in the tank safely. Fitting of all accessories of the transformer.
14	Welding of repaired transformers including of top cover plate by electric welding filling of gaps or fixing of top cover plate by properly nuts & bolts to prevent seepage of water.
15	Painting of t/f outside with super enamel synethics paint of after providing primer of red oxide paint etc.
16	Dragging of repaired T/f upto the test cabin/testing place for testing and their re-dragging to yard and its stacking at indentified place after testing
17	Testing the correctness of connection, DVDF, No load, load loss test High Voltage.
18	Punching and welding of M.S. Plate on outside of transformer for punching job details.