

## ANNEXURE-1

TCB TESTING GROUP					
QUANTUM OF WORK IN TTG FOR TESTING OF TRANSFORMERS, REACTORS,					
QUANTAM OF WORK					
JOBS/TESTS (A)	TOTAL JOBS TO BE TESTED (B)	TEST CONNECTION TIME in Hrs (C)	NO. OF PERSON REQUIRED TO PERFORM CONNECTION WORK (E)	NO. OF TECHNICAL HOURS REQUIRED FOR CONNECTION WORK (G)	
<b>A. Power Transformer test area : No. of Jobs = 56</b>					
<b>Routine tests</b>					
Transformers	1-Phase, 400 kV	20	20	3	1200
	1-Phase, 765 kV	2	30	3	180
	3- Phase, ICT	17	48	3	2448
	3- Phase, GT	1	40	3	120
	HVDC	6	80	4	1920
Reactors	765 / 400 kV	5	28	3	420
<b>Type tests and Special tests</b>					
Heat run test		12	16	4	768
Zero Seq. test		12	6	3	216
RSO test		4	8	3	96
Noise level test		15	4	3	180
Harmonics measu.		15	4	2	120
FRA test		60	4	3	720
Testing of transformer core		8	14	6	672
Testing of other product		30	15	3	1350
Test Plant connection		80	4	2	640
Capacitor Bank Connections		80	4	4	1280
Performance Testing before final testing in PF test		34	8	3	816
Monitoring of test Conditions, plant and Lab		75	16	4	4800
Testing for RCA and development		12	8	4	384
HV Calibrator		10	6	4	240
Test Plant instrument Calibration		8	4	4	128
					<b>18698</b>
<b>B. Instrument transformer test area</b>					
Ring CT		550	1	1	550
CT		180	2	2	720
CVT		80	2	2	320
Ring Core		500	2	1	1000
Performance Testing before final testing in PF test		13	2	2	52
					<b>2642</b>
<b>C. Bushing test area</b>					
Routine tests		300	2	2	1200
Type and special tests		80	4	2	640
Performance Testing before final testing in PF test		80	2	2	320
Testing for RCA and development		14	6	2	168
					<b>2328</b>
<b>D. Capacitor test area</b>					
Routine tests		1400	2	2	5600
Type and special tests		79	4	2	632
Performance Testing before final testing in PF test		40	2	2	160
Testing for RCA and development		8	6	2	96
					<b>6488</b>
<b>E. MG Room and test plant</b>					
MG Room operation and monitoring		210	16	1	3360
<b>Total (A+B+C+D+E)</b>					<b>33516</b>