

GEMINI COMMUNICATION LTD - TNEB O&M Check list

	Site Name:					
	Site Address:					
	Date of Visit :					
	Checklist Filled by (Engineer Name & Number):					
Sl no	Description	Specify Duration :				
	<u>UPS Front</u>	15 days Check	Monthly check	3 Month Check	6 Month Check	Enginner Remarks
1	Check Input voltage to the UPS is between 210 & 230 VA/C	Y				
2	Check Output voltage from the UPS between 215 to 230 VA/C	Y				
3	Check Earth to Neutral Voltage of ups at input (< 4volt)	Y				
4	Check Earth to Neutral Voltage of ups at Output level(< 4volt)	Y				
5	Ensure Water level in the battrey is Maximum		Y			
6	Check the Battrey terminals are without Sulthation(like oxide		Y			
7	Check the Battrey inter connections are properly tighten		Y			
8	Ensure the bypass switch mode is in off state	Y				
9	Verify Back supply is proper and withstand minimum 1 hr		Y			
	<u>System Side</u>					
1	Ensure the Space around Computer is dust free and with Ventilation	Y				
2	Ensure the CPU is cleand with blowers & brush		Y			
3	Check and Clean the RAM solts and RAM with brush & rubber		Y			
4	Check the IP add of P.C, Match with our List to avoid IP Clash		Y			
5	Check the CPU cables are without stress		Y			
6	Check the Printer Rod & clean the rod with Cloth and Singer oil it		Y			
7	Clean the printer with blower and ensure the printer is dust free		Y			
8	Clean the printer Fully on P.C.B's & ensure the printer is dust free				Y	
9	Check All the Front panel Buttons are working Properly in Epson					
	<u>Rack Side</u>					
1	Ensure all the Cables are properly dressed & fixed inside the Rack			Y		
2	Ensure there is no Gap in the rack to prevent Rat& Lizards to enter		Y			
3	Ensure all the POE's are properly fixed in the Rack without lose contact		Y			
4	Ensure the Spike were properly fixed inside the rack			Y		
5	Ensure all the terminals in the spike buster is properly connected along with Earth point		Y			
	<u>Lan Cabling & Power wiring</u>					
1	Ensure all the UTP Cables are properly rooted in the conduit			Y		

2	Ensure all the UTP cable are not exposed from building to building & properly rooted using conduit			Y		
3	Check all the patch cords are without rat bite/ Physical Damaged			Y		
4	Check the Patch cords are without stress from I/O to Cpu		Y			
5	Check all the power cables are rooted properly using conduits			Y		
6	Ensure all the electrical sockets are properly fixed without lose contact		Y			
7	Ensure all the electrical sockets are properly connected with Earth point	Y				
8	Check Earth to Neutral Voltage of ups at 5 Amps socket level (< 4volt)	Y				
	<u>Radio & Antenna Side</u>					
1	Check the Radios are fixed properly using L & U clamps on Tower		Y			
2	Check the Radios are fixed with properly without down tilt		Y			
3	Ensure the Radios are fixed properly with Ethernet Boot		Y			
4	Ensure the radios are properly sealed with Sealent on Gaps		Y			
5	Check the Antenna are fixed properly using L & U clamps on Tower		Y			
6	Ensure the antenna Dipole is properly fixed in the grid without Shaking		Y			
7	Is the Signal Rx Level on Base Station/Cpe is sufficient?(Mention the exact RSSI value)		Y			
8	Are the RJ 45 connectors properly crimped on both ends without burr ?		Y			
9	Is Weather proofing done on Antenna & splitter connector joints?		Y			
10	Is Weatherproofing done on RJ-45 Connector joints in the ODU end?		Y			
	<u>Tower Side</u>					
1	Check the Grade of Pipe (Mention the available grade IS: 1161/1239				Y	
2	Check the Grade of Galvanised Bolt & Nuts (Mention the available grade IS : 4.6 / 5.6)				Y	
3	Pipe Outer Dia on all level (Mention the exact dimension of pipe OD Available)				Y	
4	ROD Dia on all level (Mention the exact dimension 10, 12,16.20 mm Available)				Y	
5	Flanch Joints are proper & (Mention the exact size Available)			Y		
6	Proper painting has done with two coat of Enamel paint - Color White & Deep orange			Y		
7	Type of Base foundation with proper Concrete structure & Plastered properly				Y	
8	Are Cat 5e & RF cables properly rooted on tower with cable Ties at 1mtr distance		Y			
9	Are the Cat 5e cables properly routed near the bottom of tower via parapet wall up to Rack ?		Y			

10	Check the Aviation lamp is glowing with switch control	Y				
11	Check the Verticality of the tower is proper from tower base		Y			
<u>Tower Earthing Side</u>						
1	Are the Earthing cable connectors properly crimped with lugs & tighten with bolts?		Y			
2	Check the Continuity of Earthing cable checked by multimeter? (by grounding with tower)		Y			
3	Confirm the Earthpit is with 7ft Standard earth pipe with (1 x1 copper plate)			Y		
4	Is the Lightning arrester grounded with 6sqmm multistrand copper cable from tower top to the earth pit?	Y	Y			
5	Check the lightning arrester bottom fixed on top of tower at 1 mtr distance above antenna top		Y			
6	Check the Resistance of the Earthpit using Earthtester & Value should be less than 3-Ohms		Y			
Prepared by : Saravanan.S			Approved by: Hari.N			

Engineer Comments & Corrective Action Plan :