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Automatic Voltage Regulator (AVR) Checklist

Date:	**Time:**
Equipment No:	**Unit No:**

Checking List

S.No	Activity Description	Result OK/NOT OK	Remarks
1	Ensure that there are no PTW (Permit to Work) pending on equipment.		
2	Ensure that no one is working on the machinery.		
3	Ensure that the auxiliary power supply is operational from MCC		
4	Ensure that all power and control power supplies at the excitation panel are operational.		
5	Make sure all bus duct doors are closed.		
6	Check that the air cooler's cooling water system is functioning properly		
7	Check that all carbon brush contacts are functioning properly.		
8	Ensure that the generator protection panel-A and B power supply is operational. DC power supply in GT protection panel in ON state		
9	Check that the excitation transformer cooling fan & temperature monitor power supply are working properly.		
10	Make that the doors to the excitation transformer are closed.		
11	Make that the excitation transformer protection relay (G.T. protection relay) is operational.		

12	Ensure that all MCBs in the PT cubicle M.B. are operational.		
13	Ensure that all power and control MCBs in the excitation panel are operational.		
14	Make that there is no alarm in the local display panel (LDP).		
15	Make sure there are no alarms in the Mimic panel or the DCS.		
16	Ensure that the AVR of the Generator excitation channel (CH 01 and CH 02) number is in CH 01. LDP Indications are as follows: CH-1 ON ……GREEN AVR ON…… GREEN EXC OFF……RED FCB OFF……RED REMOTE……YELLOW		
17	Check that the AVR of the generator excitation is running in "CHl -01", that the "AVR ON" bulb is on, and that the "REMOTE" lamp is turned OFF.		
18	Ensure that all of the above requirements are met; the system is now ready for use.		
19.	Make sure the NGT Switch is in the closed position.		

Checked By :

Site Engineer **Testing Engineer**