

Position: Shift Chemist	Department: Chemistry	Job Ref ID: 02
Required Work Experience: 2 - 6 Years	Posted On: 13 July 2022	Location: Ghansore, JPL- Site
Basic Section:		
Level: L1-L3 Designation: Engineer/Sr. Engineer/Assistant Manager Employment Type: Full Time		
Job Description: To lead as Shift In charge and responsible for Operations, troubleshooting and process control of pre - treatment & Dematerialized Water Treatment plant, RO-DM, STP, WTP and ETP operating and monitoring. Quality Monitoring & analysis of coal. Quality monitoring & Analysis of Lubricating oil, Fuel oil, Gas & Chemical for various equipment for reliability & Performance of the equipments as per defined schedule. Treatment of Boiler water and cooling water		
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O&M activities of Chemistry department	<ol style="list-style-type: none"> 1. Maintaining the water quality & doing the analysis of coal, fuel & lubricant oil for betterment of the system. 2. Evaluation & maintaining the water quality for consumption (mainly DM & clarified water). 3. Analysis of gases concentration i.e. O₂, CO₂, H₂ etc. 4. Operation of Pre-treatment plant. 5. Operation of UF-RO-DM plant. 6. Operation of ETP. 7. Operation of CPU. 8. Operation oil treatment plant. 9. Operation of cooling water treatment dosing system and analysis. 10. Chlorination system operation and emergency handling. 11. Monitoring of SWAS parameter and equipment for betterment of boiler chemistry. 12. Keeping the updated stock for chemicals & tracking the same. 13. Shift report generation & communicate to Head-Chemistry/Shift In charge-Operations. 14. Team management. 15. Evaluation of environmental parameter such as stack emission, ambient and ash dyke effluent monitoring. 16. Evaluation of the properties of coal as received for the end use. 17. Evaluation of fuel oil & lubricant oil qualities. 18. Evaluation of properties of incoming bulk chemicals. 19. Suggesting for corrective actions for maintaining the water chemistry in the boiler & cooling tower. 20. Troubleshooting & carrying out the maintenance activities with the help of maintenance team. 21. Follow-up for Calibration of laboratory instruments. 22. Reconciliation of stock of all the chemicals. 23. Responsible for chemicals monthly physical verification. 24. Preparing & establishing the SOP's based on operation techniques used. 25. Evaluating the systems as based on QMS, EMS & OHSAS systems. 26. Providing & evaluating the system deficiencies for improvement of the system 27. Working on SAP for all related jobs. 28. Budgeting & approvals preparation 29. Formulating the documentation in a systematic manner. 30. Annual and monthly budget preparation, Procurement of material. 31. New laboratory set up. 32. Conducting departmental training as per requirement. 33. Preparation of coal, water and environment reports and reporting to senior management. 34. Awareness of MSDS of the total plant chemicals used and implement them. 35. Local PCB rules and regulations for safe operation of the plant 	
Key Skills: M. Sc. In Chemistry (Regular), Analytical skill for safe operation of plant. Knowledge of chemicals MSDS. Emergency handling in plant. Evaluating the system based on ISO QMS, EMS, OHSAS. Formulating documentation in systematic manner.		

