

SL. No.	SCOPE OF WORK (ANNEXURE-1)	No. of Unskilled Worker Required.
01.	<p style="text-align: center;"><b><u>DAILY ACTIVITIES TO BE PERFORMED IN 1<sup>ST</sup> SHIFT</u></b></p> <ul style="list-style-type: none"> <li>➤ Assisting the boiler operators in removing the burner gun from the diffuser assembly and removing the nozzle from the burner gun for cleaning the chock-age with the help of fine wires and kerosene/diesel oil. Further assisting boiler operators in refitting the cleaned nozzle in burner gun and then reassembling the burner gun in the diffuser assembly system of boiler.</li> <li>➤ Assisting boiler operators in soot blowing of Air Pre Heater.</li> <li>➤ Positioning of LPG cylinder near pilot flame burner system from its safe location for starting (lighting-up) or restarting the Boiler Main Flame. Again repositioning the LPG cylinder to its safe location once the boiler is lighted and steam supply is continued.</li> <li>➤ Assisting the boiler and DM plant operators while opening, closing or controlling the valves &amp; dampers related to boiler and DM plant operation as per requirements ( for example : Boiler Feed Pump valves, Main Steam Supply valve, Boiler Air vent valve, Steam header valves, Oil Header valves, DM Water Storage Tanks Valves, Pneumatic Air valves, Combustion air/Flue gas dampers, etc.).</li> <li>➤ Assisting the boiler operators in draining the bottom settled-water/sludge on HFO Day &amp; also draining the soft water service tank in every 8 Hrs. while the boiler is in service. (As per guidelines of boiler's OEM).</li> <li>➤ Assisting the boiler operators in draining boiler's water level gauge glasses &amp; tripping the boiler by draining water of Mobry Level Switch in every 8 Hrs. while the boiler is in service. (As per guidelines of boiler's OEM).</li> <li>➤ Cleaning of boiler's water level gauge glasses externally on every 8 Hrs. while the boiler is in service. (As per guidelines of boiler's OEM).</li> <li>➤ When the boiler is being tripped, assisting the boiler operator to remove the Flame sensor/ Flame image scanner &amp; observation glass from the diffuser system &amp; cleaning it. Then assisting the boiler operator to refit the Flame sensor/ Flame image scanner &amp; observation glass back to the diffuser system once they are cleaned.</li> <li>➤ Maintaining the neatness of boiler control room, PLC panels, MCC panels &amp; instruction boards.</li> <li>➤ Cleaning the external surface of Steam Header, HFO Day Tank, Oil Header, Ring Main Pumps, OPH Tank, FD Fan/Blower, boiler feed water pumps, Compressors, Boiler Shells, Fuel transfer line, Atomizing lines, Feed water lines etc.</li> <li>➤ Maintaining the neatness of the surroundings of HFO Day tank, Soft water storage tanks, Feed water storage Tanks, chimney &amp; entire boiler house floor.</li> <li>➤ Removal of trench covers followed by cleaning the trenches. Then covering back the trenches.</li> <li>➤ Collecting all the water samples related to boiler &amp; WT plants at determined intervals or as per requirement as per instructions of operator.</li> <li>➤ Assisting the operator in feeding &amp; replacing a tray of lime inside the boiler shell at determined intervals while a boiler is in Dry-Preservation state.</li> <li>➤ Assisting the operator in dosing of chemicals in the boilers for Wet Preservation of Boilers.</li> <li>➤ Cleaning of HFO spillage at areas below Day Tank area, Ring Main Pumps, Oil skid assembly, Burner skid assembly etc.</li> <li>➤ Collecting all the boiler &amp; feed water samples and taking them to TSD for regular monitoring tests.</li> <li>➤ Internal &amp; external cleaning of the necessary equipment's/apparatus required before &amp; after Dissolved Oxygen Test at boiler house by TSD representative.</li> <li>➤ Assisting the boiler operator in opening &amp; closing of blow down valves while providing intermediate blow down at least once in every 8 Hrs. when the boiler is in service.</li> <li>➤ Assisting the operator in dosing of chemical in L P Dosing Tank and soft water tank.</li> <li>➤ Cleaning of soot from the chimney of oil fired boilers whenever shut down is available.</li> <li>➤ Cleaning of the external surfaces of the Mechanical Filters, ACF Units, SAC Units, Degasser Unit, SBA Units, MB Units, Domestic water pumps, Degasser pumps &amp; Blowers, Acid &amp; Caustic measuring tanks, Ammonia dosing tank, DM water transfer pumps, pipelines etc.</li> <li>➤ Maintaining the neatness of Water Treatment Plant control room, instruments &amp; safety display boards inside Water Treatment Plant, inside floors of Water Treatment Plant, overhead acid &amp; caustic storage tank platform and overhead acid &amp; caustic storage tank farm area properly cleaned.</li> <li>➤ Maintaining proper arrangement of waterproof bags, chemical cans in the chemical store room of Water Treatment Plant.</li> <li>➤ Assisting the operator in dosing of chemicals in chemical dosing tank for pH boosting at the outlet of SBA/MB Units discharge, at Water Treatment Plant as per the guidelines of operator.</li> <li>➤ Assisting the operator in dosing of chemical in neutralizing pit and removal of sludge accommodated at the bottom of neutralizing pit of Water Treatment Plant as per the guidelines of operator.</li> <li>➤ Collecting the neutralizing pit water sample, DM Water and all other water samples used in monitoring the performance of water treatment plant as per instructions of operator. Then sending the samples to TSD-Lab for testing.</li> <li>➤ Assisting the operator in taking the samples of various chemicals used in water treatment plant to TSD-Lab for testing viz. Hydrochloric Acid sample, Caustic soda lye sample, Hydrazine Hydride sample, Liquor Ammonia sample, etc.</li> <li>➤ Dismantling &amp; cleaning the pre-filters of air compressors (02 Nos.), then refitting them back on the compressors.</li> <li>➤ Collecting the drained settled-water/sludge of FO Day tank in a barrel &amp; disposing it in the sludge tank at 6 MW DG Plant.</li> <li>➤ Assisting the operators in tackling emergency operation situation of critical equipment's of the boiler &amp; WT Plant.</li> <li>➤ Assisting operators for visual level inspection of all storages tanks related to boiler &amp; WT plant as per requirement.</li> </ul>	03 nos. of USW in 1 <sup>st</sup> SHIFT

SL. No.	SCOPE OF WORK (ANNEXURE-1) CONT.	No. of Unskilled Worker Required.
02.	<p style="text-align: center;"><b><u>DAILY ACTIVITIES TO BE PERFORMED IN 2<sup>ND</sup> SHIFT</u></b></p> <ul style="list-style-type: none"> <li>➤ Assisting the boiler operators in removing the burner gun from the diffuser assembly and remove the nozzle from the burner gun for cleaning the chock-age with the help of fine wires and kerosene/diesel oil. Further assisting boiler operators in refitting the cleaned nozzle in burner gun and then reassembling the burner gun in the diffuser assembly system of boiler.</li> <li>➤ Assisting boiler operators in soot blowing of Air Pre Heater.</li> <li>➤ Positioning of LPG cylinder near pilot flame burner system from its safe location for starting (lighting-up) or restarting the Boiler Main Flame. Again repositioning the LPG cylinder to its safe location once the boiler is lighted and steam supply is continued.</li> <li>➤ Assisting the boiler operators while opening, closing or controlling the valves &amp; dampers related to boiler operation as per requirements ( for example : Boiler Feed Pump valves, Main Steam Supply valve, Boiler Air vent valve, Steam header valves, Oil Header valves, DM Water Storage Tanks Valves, Pneumatic Air valves, Combustion air/Flue gas dampers etc.).</li> <li>➤ Collecting all the water samples related to boiler &amp; WT plants at determined intervals or as per requirement as per instructions given by operators.</li> <li>➤ Assisting the boiler operators in draining the bottom settled-water/sludge on HFO Day Tank &amp; also draining the soft water service tank in every 8 Hrs. while the boiler is in service. (As per guidelines of boiler's OEM).</li> <li>➤ Assisting the boiler operators in draining boiler's water level gauge glasses &amp; tripping the boiler by draining water of Mobry Level Switch in every 8 Hrs. while the boiler is in service. (As per guidelines of boiler's OEM).</li> <li>➤ Cleaning of boiler's water level gauge glasses externally on every 8 Hrs. while the boiler is in service. (As per guidelines of boiler's OEM).</li> <li>➤ When the boiler is being tripped, assisting the boiler operator to remove the Flame sensor/ Flame image scanner &amp; observation glass from the diffuser system &amp; cleaning it. Then assisting the boiler operator to refit the Flame sensor/ Flame image scanner &amp; observation glass back to the diffuser system once they are cleaned.</li> <li>➤ Maintaining the neatness of boiler control room, PLC panels, MCC panels &amp; instruction boards.</li> <li>➤ Cleaning the external surface of Steam Header, HFO Day Tank, Oil Header, Ring Main Pumps, OPH Tank, FD Fan/Blower, boiler feed water pumps, Compressors, Boiler Shells, Fuel transfer line, Atomizing lines, Feed water lines etc.</li> <li>➤ Cleaning of soot from the chimney of oil fired boilers whenever shut down is available</li> <li>➤ Maintaining the neatness of the surroundings of HFO Day tank, Soft water storage tanks, Feed water storage Tanks, chimney &amp; entire boiler house floor.</li> <li>➤ Assisting the operators in dosing of chemicals in the boilers for Wet Preservation of Boilers.</li> <li>➤ Assisting the operators in feeding &amp; replacing a tray of lime inside the boiler shell at determined intervals while a boiler is in Dry-Preservation state.</li> <li>➤ Cleaning of HFO spillage at areas below Day Tank area, Ring Main Pumps, Oil skid assembly, Burner skid assembly etc.</li> <li>➤ Assisting the boiler operator in opening &amp; closing of blow down valves while providing intermediate blow down at least once in every 8 Hrs. when the boiler is in service.</li> <li>➤ Assisting the operators in dosing of chemical in L P Dosing Tank and soft water tank.</li> <li>➤ Assisting the operators in dosing of chemicals in chemical dosing tank for pH boosting at the outlet of SBA/MB Units discharge, at Water Treatment Plant.</li> <li>➤ Assisting the operators in dosing of chemical in neutralizing pit of Water Treatment Plant.</li> <li>➤ Dismantling &amp; cleaning the pre-filters of air compressors (02 Nos.), then refitting them back on the compressors.</li> <li>➤ Assisting the operators in tackling emergency operation situation of critical equipment's of the boiler &amp; WT Plant.</li> <li>➤ Assisting operators for visual level inspection of all storages tanks related to boiler &amp; WT plant as per requirement.</li> </ul>	<b>01 nos. of USW in 2<sup>ND</sup> SHIFT</b>

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03.	<p style="text-align: center;"><b><u>DAILY ACTIVITIES TO BE PERFORMED IN 3<sup>RD</sup> SHIFT</u></b></p> <ul style="list-style-type: none"> <li>➤ Assisting the boiler operators in removing the burner gun from the diffuser assembly and remove the nozzle from the burner gun for cleaning the chock-age with the help of fine wires and kerosene/diesel oil. Further assisting boiler operators in refitting the cleaned nozzle in burner gun and then reassembling the burner gun in the diffuser assembly system of boiler.</li> <li>➤ Assisting boiler operators in soot blowing of Air Pre Heater.</li> <li>➤ Positioning of LPG cylinder near pilot flame burner system from its safe location for starting (lighting-up) or restarting the Boiler Main Flame. Again repositioning the LPG cylinder to its safe location once the boiler is lighted and steam supply is continued.</li> <li>➤ Assisting the boiler operators while opening, closing or controlling the valves &amp; dampers related to boiler operation as per requirements ( for example : Boiler Feed Pump valves, Main Steam Supply valve, Boiler Air vent valve, Steam header valves, Oil Header valves, DM Water Storage Tanks Valves, Pneumatic Air valves, Combustion air/Flue gas dampers etc.).</li> <li>➤ Collecting all the water samples related to boiler &amp; WT plants at determined intervals or as per requirement as per instructions given by operators.</li> <li>➤ Assisting the boiler operators in draining the bottom settled-water/sludge on HFO Day Tank &amp; also draining the soft water service tank in every 8 Hrs. while the boiler is in service. (As per guidelines of boiler's OEM).</li> <li>➤ Assisting the boiler operators in draining boiler's water level gauge glasses &amp; tripping the boiler by draining water of Mobry Level Switch in every 8 Hrs. while the boiler is in service. (As per guidelines of boiler's OEM).</li> <li>➤ Cleaning of boiler's water level gauge glasses externally on every 8 Hrs. while the boiler is in service. (As per guidelines of boiler's OEM).</li> <li>➤ When the boiler is being tripped, assisting the boiler operator to remove the Flame sensor/ Flame image scanner &amp; observation glass from the diffuser system &amp; cleaning it. Then assisting the boiler operator to refit the Flame sensor/ Flame image scanner &amp; observation glass back to the diffuser system once they are cleaned.</li> <li>➤ Maintaining the neatness of boiler control room, PLC panels, MCC panels &amp; instruction boards.</li> <li>➤ Cleaning the external surface of Steam Header, HFO Day Tank, Oil Header, Ring Main Pumps, OPH Tank, FD Fan/Blower, boiler feed water pumps, Compressors, Boiler Shells, Fuel transfer line, Atomizing lines, Feed water lines etc.</li> <li>➤ Cleaning of soot from the chimney of oil fired boilers whenever shut down is available.</li> <li>➤ Maintaining the neatness of the surroundings of HFO Day tank, Soft water storage tanks, Feed water storage Tanks, chimney &amp; entire boiler house floor.</li> <li>➤ Cleaning of HFO spillage at areas below Day Tank area, Ring Main Pumps, Oil skid assembly, Burner skid assembly etc.</li> <li>➤ Assisting the boiler operator in opening &amp; closing of blow down valves while providing intermediate blow down at least once in every 8 Hrs. when the boiler is in service.</li> <li>➤ Assisting the operators in dosing of chemical in L P Dosing Tank and soft water tank.</li> <li>➤ Dismantling &amp; cleaning the pre-filters of air compressors (02 Nos.), then refitting them back on the compressors.</li> <li>➤ Assisting the operators in tackling emergency operation situation of critical equipment's of the boiler &amp; WT Plant.</li> <li>➤ Assisting operators for visual level inspection of all storages tanks related to boiler &amp; WT plant as per requirement.</li> </ul>	<b>01 nos. of USW in 3<sup>RD</sup> SHIFT</b>