

100185-MEC-1MOSY-S-1996

Mechanical Maintenance Technician

Has over 21 years hands-on experience working in mechanical maintenance field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/08/1972
Gender : Male
Residence : Giza, Cairo

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 1996 till now
Project : El-Kureimat
Job Description :

- From Oct. 2014 till Apr. 2015: Worked in Major inspection for El-Kureimat III Gas turbine (2x250MW) GE turbine frame MS9001FA CTG 3 & 4:
 - Turbine compartment roof sections removal.
 - Remove inlet and exhaust duct access panel.
 - Remove all parts related to combustion inspection.
 - Take opening compressor and turbine rotor position check.
 - Remove upper half cooling and sealing air piping.
 - Put the mechanical screw jacks under unit casing.
 - Remove turbine casing bolts and first stage nozzle top key and clamps.
 - Remove upper turbine casing.
 - Remove upper half first stage nozzle and support ring.
 - Take turbine rotor float and turbine clearance check.
 - Remove lower half first stage nozzle and support ring.
 - Remove the retainer plugs of second and third stage nozzle.
 - Remove the nozzle segment of second and third stage nozzle.
 - Remove 1st, 2nd, 3rd buckets.
 - Make first stage nozzle ellipticity checks.
 - Re-assembly parts of Major inspection.
- From Aug. 2014 till Nov. 2014: Worked in Major Inspection for El-Kureimat II (2x250MW) SIEMENS frame 94.3A CTG #12.
- From Apr. 2014 till Jul. 2014: Worked in Major Inspection for El-Kureimat II (2x250MW) SIEMENS frame 94.3A CTG #11:
 - Change the tiles of the combustion chamber.
 - Change the turbine buckets.
 - Inspect the burners, repair, install.
 - Dismantling and re-assembly all mechanical equipments related to (MI).
 - Dismantling bearing, IGV, Generator bearings.
 - Dismantling turbine & compressor moving blades and fixed nozzles.
 - Sand blasting & Coating for turbine and compressor casings.

- Dismantling, inspection, testing, repair all types of valves, pumps and other rotatory equipments.
- Oct. 2013: Worked in combustion inspection GE turbine frame 6FA (6 cans):
 - Disassembly the hoses and piping for the combustion chamber such as (PM1, PM2, PM3, AUTOMZING AIR, ...etc.).
 - Dismantling the (transition piece, flow nozzle, cap uncoated, cross fire tube and combustion liner).
 - Install new parts and re-assembly the hoses and piping for (6) combustion chamber.
 - Good used measurement tools.
- Feb. 2013: Mechanical Technician Supervisor of HITACHI steam turbine warranty inspection:
 - Main stop valve, control valve (left and right) dismantling, inspection, Re-assembly.
 - HP LP IP Turbine casing disassembly inspect blades, diaphragms.
 - Preventive maintenance as outage schedule.
- Oct./Nov. 2012: Worked in Hot gas path inspection for El-Kureimat III Gas turbine (2x250MW) GE turbine frame MS9001FA CTG 4:
 - Turbine compartment roof sections removal.
 - Remove inlet and exhaust duct access panel.
 - Remove all parts related to combustion inspection.
 - Take opening compressor and turbine rotor position check.
 - Remove upper half cooling and sealing air piping.
 - Put the mechanical screw jacks under unit casing.
 - Remove turbine casing bolts and first stage nozzle top key and clamps.
 - Remove upper turbine casing.
 - Remove upper half first stage nozzle and support ring.
 - Take turbine rotor float and turbine clearance check.
 - Remove lower half first stage nozzle and support ring.
 - Remove the retainer plugs of second and third stage nozzle.
 - Remove the nozzle segment of second and third stage nozzle.
 - Remove 1st, 2nd, 3rd buckets.
 - Make first stage nozzle ellipticity checks.
 - Re-assembly parts of hot gas path inspection.
- Apr./May 2012: Worked in Hot gas path inspection for El-Kureimat III Gas turbine (2x250MW) GE turbine frame MS9001FA CTG 3:
 - Turbine compartment roof sections removal.
 - Remove inlet and exhaust duct access panel.
 - Remove all parts related to combustion inspection.
 - Take opening compressor and turbine rotor position check.
 - Remove upper half cooling and sealing air piping.
 - Put the mechanical screw jacks under unit casing.
 - Remove turbine casing bolts and first stage nozzle top key and clamps.
 - Remove upper turbine casing.
 - Remove upper half first stage nozzle and support ring.
 - Take turbine rotor float and turbine clearance check.
 - Remove lower half first stage nozzle and support ring.
 - Remove the retainer plugs of second and third stage nozzle.
 - Remove the nozzle segment of second and third stage nozzle.
 - Remove 1st, 2nd, 3rd buckets.

- Make first stage nozzle ellipticity checks.
- Re-assembly parts of hot gas path inspection.
- Apr./May 2011: Worked in combustion inspection for El-Kureimat III Gas turbine (2x250MW) GE turbine frame MS9001FA:
 - Disassembly the hoses and piping for the combustion chamber such as (PM1, PM4, D5, AUTOMSING AIR, OIL FUEL, WATER INJECTION, ...etc.).
 - Dismantling the (transition piece, flow nozzle, cap uncoated, cross fire tube and combustion liner).
 - Install new parts and re-assembly the hoses and piping for (18) combustion chamber.
- From Dec. 2010 till Feb. 2011: Worked in Hot Gas Path inspection (HGPI) for El-Kureimat II (2x250MW) SIEMENS frame 94.3A:
 - Change the tiles of the combustion chamber.
 - Change the turbine buckets.
 - Inspect the burners, repair, install.
 - Dismantling and re-assembly all mechanical equipments related to (HGPI).
- From Jan. 2010 till Nov. 2010: Mechanical Technician for El-Kureimat II (2x250MW) SIEMENS frame 94.3A:
 - Maintain mechanical equipments (instrument and service compressor, manual valves (gate, globe, butterfly, ball), control valves, hydraulic systems, lube oil system, combustion hardware, gas turbine hardware, exhaust system.
- Dec. 2009: Worked in combustion inspection for El-Kureimat III Gas turbine (2x250MW) GE turbine frame MS9001FA:
 - Marking all hoses and line.
 - Disassembly the hoses and piping for the combustion chamber such as (PM1, PM4, D5, AUTOMSING AIR, OIL FUEL, WATER INJECTION, ...etc.).
 - Dismantling the (transition piece, flow nozzle, cap uncoated, cross fire tube and combustion liner).
 - Install new parts and re-assembly the hoses and piping for (18) combustion chamber.
- From Jan. 2007 till Jan. 2009: Mechanical Technician for El-Kureimat II (2x250MW) SIEMENS frame 94.3A:
 - Maintain mechanical equipments (instrument and service compressor, manual valves (gate, globe, butterfly, ball), control valves, hydraulic systems, lube oil system, combustion hardware, gas turbine hardware, exhaust system.
- From Oct. 1996 till Jan. 2007: Worked in El-Kureimat I steam turbine (2x650MW):
 - Worked for maintenance water treatment and intake pump house equipments.
 - Maintain all type of vertical and horizontal pumps (axial single stage and multistage, rotary single stage and multistage, diaphragm, gear, ...etc.).
 - Make overhaul maintenance for (raw water pumps, services water pumps, closed cooling pumps, circulating water pumps).
 - Maintain all types of manual valves and control valves.
 - Maintain feed water heaters open (deareator) / close feed water heaters.
 - Maintain multi stage screw compressors.