**TITLE: - SOP for Trial Run, Endurance testing & performance testing of Fire Fighting Pump at Hathidah T Point (PHBMPL Barauni)**

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| **SL. NO.** | **ACTIVITY- Trail Run** | **RESPONSIBILITY** |
|  | Trial run of firefighting pumping units (FFE-1/2) are to be taken once daily, preferably during general shift with Maintenance team & each firefighting engines to be trial run for min 30 mins at-least twice a week. Based on no. of Fire fighting units available, following combination of schedule for trial run to be followed.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Day/  No. of FFE | Mon | Tue | Wed | Thu | Fri | Sat | | 02 | FF UNIT-01 (30 Min) | FF UNIT-02 (30 Min) | FF UNIT-01(10 Min) | FF UNIT-02(10 Min) | FF UNIT-01(30 Min) | FF UNIT-02 (30 Min) | | QRT STATIONED AT LOCATION |
|  | Ensure that level of fuel, coolant, lubricating-oil of all the engine operated fire-fighting pumps (FFE-1/2) are adequate. | -Do- |
|  | Ensure that all joints are tight to avoid any leakage. | -Do- |
|  | Ensure that suction & discharge valves are in open state. | -Do- |
|  | Ensure that cranking batteries voltage is not below 24V for starting engine operated FF pump. | -Do- |
|  | Open the recirculation valve/monitor (as per applicability) partially for adjusting the fire water network pressure. | -Do- |
|  | Engine trail can be taken in auto/remote/local mode with same preferential order, with mode of trail being taken in logbook. Follow standard starting and stopping procedure of firefighting pump. | -Do- |
|  | Opening of recirculation valve to be such that fire fighting pump shall run at their duty point. | -Do- |
|  | Fire fighting unit shall be run upon starting and observe all the critical parameters (suction pressure, discharge pressure, RPM, Lube oil pressure & temp, coolant water temp, water pressure, leakage, vibration, anomaly if any etc). | -Do- |
|  | Upon successful load trial run, firefighting unit shall be stopped by remote/Manual. Close the recirculation line valve/monitor (as per applicability) and ensure the fire line pressure as per HSE guidelines. Format for trial run of firefighting units to be used for data entry & records to be maintained. |  |
|  | If any abnormality is observed in trail run, it must be immediately brought to notice of maintenance team, fire & safety coordinator and control room telephonically as well as through written / email communication with a copy to SIC for quick rectification/action. | -Do- |

Note:

* Auto & remote operation checking shall also be done during load trail run and record maintained in report.
* Endurance testing of firefighting units shall be done at least half yearly. Performance testing of firefighting units to be done at least half yearly. To carry out the endurance test & performance test of FFPUs, PLHO SOP No. PL/SOP/MNT/MEC/16 Rev 00 dated 01.02.2022 to be followed. Approved format No. **PLHO/MNT/M/53 & PLHO/MNT/M/55** to be used.
* Safety Requirements: Care must be taken while working with tools and piping works specially at height. All personnel involved must use appropriate PPE e.g. Safety Helmet, safety shoes, Gloves etc as per risk register.

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| RECORDS GENERATED : | 1) | SHIFT LOGBOOK SHEET |
|  | 2) | SHIFT HANDING OVER REGISTER |
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