**PRE-COMMISSIONING CHECKLIST FOR PUMPS**

|  |
| --- |
| Equipment tag number: |
| System Description: |
| P&ID Number: |
| **Sl No.** | **Description** | **Remarks** |
|
|  | Check for completion of equipment erection in all respect as per respective drawings / documents |  |
|  | Check the stress-freeness of the main piping  |  |
|  | Bearings & hydraulic coupling lubricated with specified lubricant. |  |
|  | Check that the couplings between are in perfect alignments.  |  |
|  | Check coupling bolts and guard installed. |  |
|  | Rotor is free in its bearings |  |
|  | Pump / Motor checked for correct direction of rotation. The direction must match arrow on the pump.  |  |
|  | Instrumentation & protection devices checked by simulation. Measuring & Monitoring instruments are okay. |  |
|  | Oil Flushing of Oil Circuit is over successfully and new oil filled in hydraulic coupling and oil circuit.  |  |
|  | Reverse rotation detection switch on hydraulic coupling and protection is okay. |  |
|  | Holding-down bolts fitted securely. |  |
|  | Drain, Vents & gland leakage lines routed properly to common drains. |  |
|  | Check Automatic Re-circulation Valves and Back Pressure valve in re-circulation line installed properly.  |  |
|  | Check oil coolers, oil pipes and cooling water pipe lines are installed properly as per PID & GA. |  |
|  | Check mechanical seals |  |
|  | Discharge Valves of Pumps kept closed |  |
|  | Line Vents are kept opened |  |