**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 |  | |