

WPIL

INCLINED WET PIT PUMP

A QUALITY PRODUCT FROM ISO : 9001 CERTIFIED COMPANY



WPIL Limited
(Formerly Worthington Pump India Ltd.)





APPLICATIONS

- ◆ River Pumping
- ◆ Drainage Pumping
- ◆ Flood Control
- ◆ Off Shore
- ◆ Irrigation
- ◆ Sump Pumping
- ◆ Town Water Supply
- ◆ Sea Water Pumping

The WPIL Inclined Pump was developed in order to cater to efficient and economic pumping of water primarily in the Irrigation and Drainage Sectors, trying to reduce huge civil foundation work as far as possible thereby reducing overall investment cost in a pumping station.

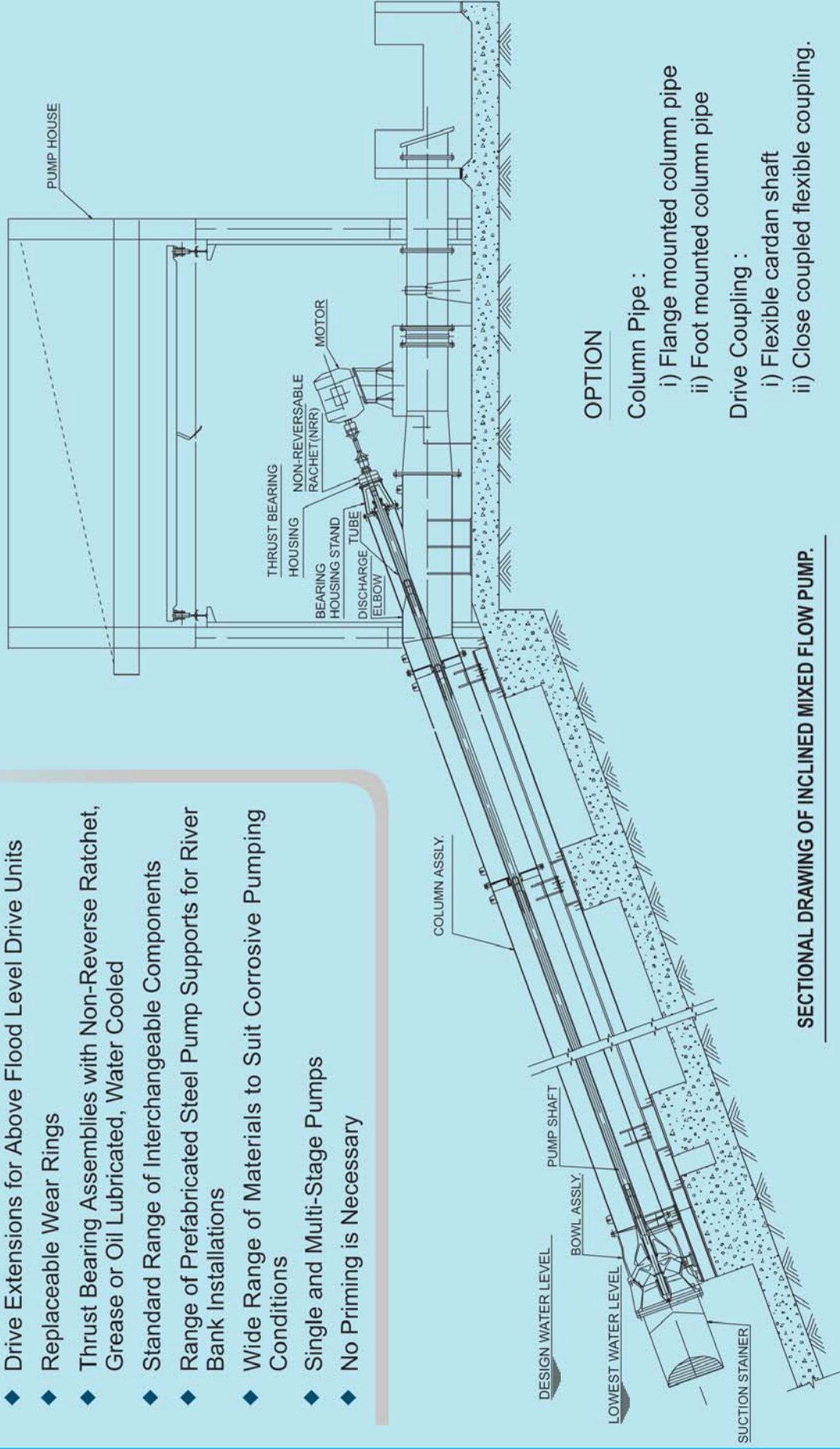
WPIL has been successful in implementing above by supplying and installing such Inclined Pumps not only in India but also in countries like Vietnam, Laos and Thailand.

ADVANTAGES

- ☞ Most Potential and Economical Application for Irrigation Purposes.
- ☞ Civil Construction Cost is Minimum as the Pump can be Directly Mounted along River Bed on A Very Simple Foundation.
- ☞ Problem of minimum Submergence can be Easily Mitigated by Sliding Down the Pump into River for Increasing the Submergence as and when Required.
- ☞ Structural Design and the Line Shaft Bearing Rigidity are Quite Robust.
- ☞ Vibration Performance of the Inclined Pump is Superior to Conventional Vertical Wet Pit in view of its Continuous Foundation Support on the Pump Column Pipe.
- ☞ Line Bearings in Inclined Pumps are Adequately Loaded due to Self Weight of Rotor. Rotor Bearing Rigidity and Stability are Much Superior in Inclined Pump for Higher Structural Rigidity of its Supporting Structure.
- ☞ Overall Pumping Installation is Economical.
- ☞ Crane Capacity is Reduced in Inclined Installation as the Crane Need not Handle the Weight of the Complete Pump.
- ☞ Motor can be Located Remotely from the Pump by Flexible Shafting.
- ☞ Pump can be Designed for Both Self-Water, Oil, Grease as Well as External Pressured Water Lubrication System.

FEATURES

- ◆ Wide Range of Sizes depending on Duties.
- ◆ For Slopping Installations
- ◆ Choice of Different Methods of Lubrication
- ◆ Drive Extensions for Above Flood Level Drive Units
- ◆ Replaceable Wear Rings
- ◆ Thrust Bearing Assemblies with Non-Reverse Ratchet, Grease or Oil Lubricated, Water Cooled
- ◆ Standard Range of Interchangeable Components
- ◆ Range of Prefabricated Steel Pump Supports for River Bank Installations
- ◆ Wide Range of Materials to Suit Corrosive Pumping Conditions
- ◆ Single and Multi-Stage Pumps
- ◆ No Priming is Necessary



OPTION

Column Pipe :

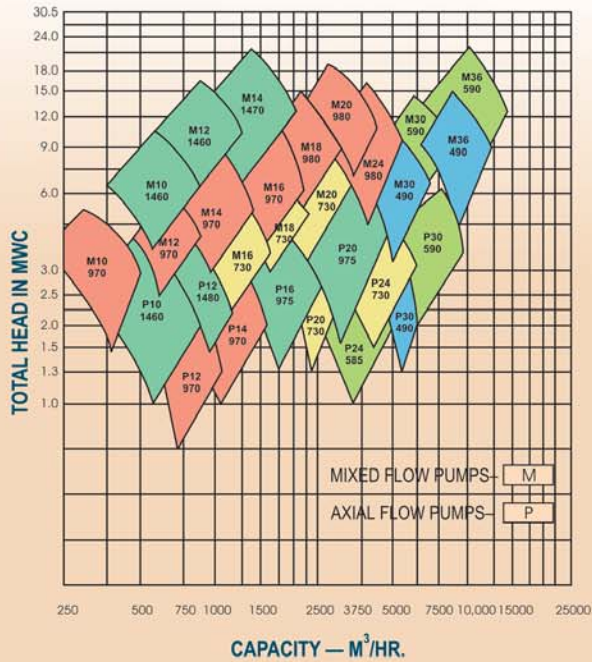
- i) Flange mounted column pipe
- ii) Foot mounted column pipe

Drive Coupling :

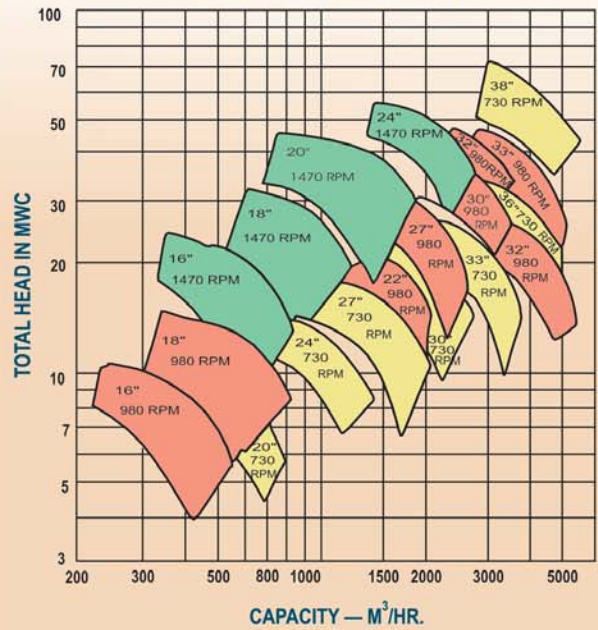
- i) Flexible cardan shaft
- ii) Close coupled flexible coupling.

SECTIONAL DRAWING OF INCLINED MIXED FLOW PUMP.

MIXED FLOW & AXIAL FLOW PUMPS



TURBINE PUMP PERFORMANCE COVERAGE CHART 50 Hz TURBINE PUMP 16"-38"



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MANUFACTURING FACILITIES

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