

RANGE OF 'JYOTI' HYDRO TURBINES & AUXILIARIES

(A) TURBINES

Type	Head (M)	Output (kW)
Pelton	60-700	50-10000
Turgo Impulse	30-200	10-5000
Francis	9-190	50-10000
Axial Flow (Kaplan / Semi-Kaplan / Propeller)		
Conventional (with spiral casing)	15-50	500-10000
Tubular	2-25	5-8000

(B) MAIN INLET VALVES (MIV)

Butterfly Valve	300-3200 mm size
Spherical Valve	400-600 mm size

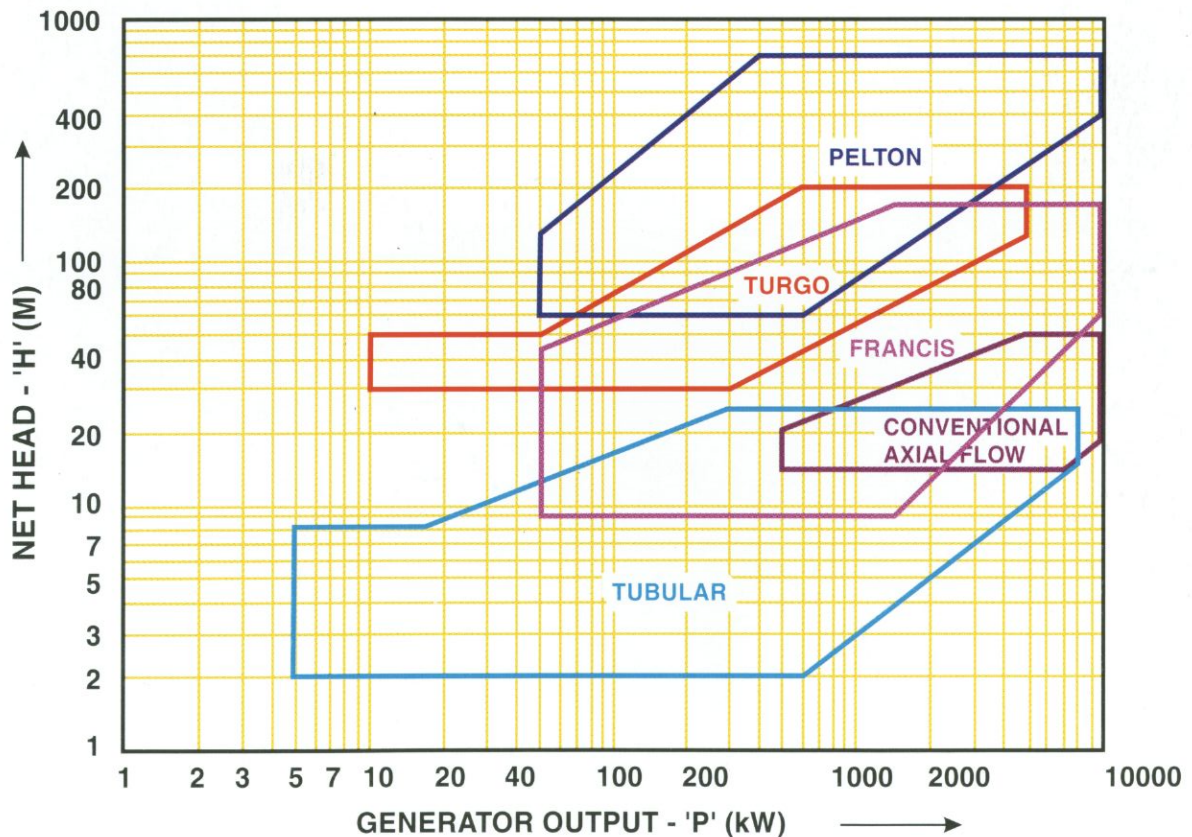
(C) GOVERNORS

Electronic
Hydro-Mechanical

(D) HYDRO ALTERNATORS

LT 10 kW-1000 kW (Synchronous/Induction)	HT 400kW-10000kW (Synchronous)
	HT 400kW-5000kW (Induction)

'JYOTI' TURBINES SELECTION CHART



Note : Approx. discharge requirement can be worked out using equation,
 $Q = K \times P/H$ Cumec, Where $K = 0.12$ to 0.13

The above H v/s P diagram gives the application field of each turbine type & help in selecting the turbine type. For overlapping area, relative efficiency and the effect of turbine setting on the civil work cost must be considered.