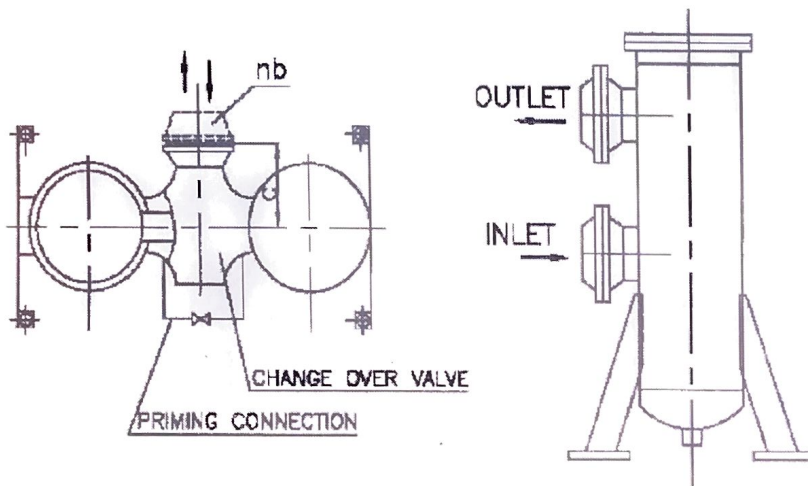


PRE-QUALIFICATION REQUIREMENT FOR DUPLEX FILTER LUBE OIL-BI017

Brief Introduction: - Duplex Filter Lube Oil is used to filter Lube oil going to turbine Bearings.

One side of duplex filter comes in operation with start of any one of the lubricating oil pumps and remains in service as long as any one of the lubricating oil pumps runs. The other side of the Duplex filter remains as a Stand-by and is brought into operation when the running side gets saturated with dirt and other contaminants. This saturation is reflected by the differential pressure read across the inlet and outlet of filter. The stand by filter is kept in primed condition (by equalizing valve) to facilitate the immediate change over. The change over device must prevent both the filters being off at the same time. The change over should be possible by the operation of single hand wheel/lever.

An Indicative Drawing of Duplex Filter is shown below. Please note that Inlet and Outlet connections are indicative and that their locations are interchangeable.



Pre-qualification Criteria for vendor

1. Vendor should have executed at least 2 projects within 8 years from date of issue of enquiry, satisfying the minimum Pre-evaluation criteria mentioned against each row in Table-1.
2. Vendor to furnish the details against each column in Table-1, of the projects executed by them satisfying clause-1 above.

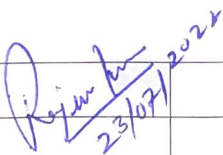
From the experience list furnished in Table-1

- a. Vendor has to furnish customer acceptance / successful operation certificate alongwith certified GA drawing/documents of Duplex Filters of any one project.
- b. Vendor to submit PO copies in support of clause 1 of PQR.

Table-1

	Minimum Pre-evaluation criteria	Project 1 (to be filled by Vendor)	Project 2 (to be filled by Vendor)
End customer Name			
Inlet- Outlet Size	Min 150 NB		
Design Pressure	Min 12 kg/cm ²		
Design Temp.	40-60 °C		
Type of fluid	Turbine oil VG46		
Differential pressure Switch cum Indicator Across filter	DP range 0 -1.2 Kg/Cm ²		
Material of construction of body	ASTM A 106 Gr B or equivalent		
Material of Filter element	Stainless Steel		
Application	To filter Lubricating Oil going to bearings of Steam turbine/Gas Turbine		
Year of Execution	Within last 8 years of date of issue of enquiry.		
No. of PO copies	02		
Quality of Filtration	25 to 40 microns		
Flow	Min 170 m ³ /hr		
Contact details, Telephone no's & Email id of End User	-		

Against vendor's replies, BHEL reserves the right to ask for more information / documents/ clarifications.

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