

BHEL	Annex-13: OIL ACCUMULATOR & CHARGING KIT		REV NO: 00
HYDERABAD			PAGE 1 OF 1
TECHNICAL DETAILS OF OIL ACCUMULATOR (FGD LUBE OIL SYSTEM) 2.0 CONSTRUCTION: The accumulator is a sealed kit bladder type vessel to suit Nitrogen pre-charging. The design shall be as per ASME Sec. VIII Division I. The accumulator comprises a Shell, Bladder, a gas valve and fluid port with puppet valve. The outlet connection should be 2"-150 lb, ANSI rated flange 3.0 TECHNICAL REQUIREMENTS: 3.1 Shell material : As per variant table. – Rev 02 3.2 Bladder material : Nitrile 3.3 Liquid to be handled : Lube Oil Grade ISO 46 3.4 Shell design pressure : 12 Kg/Cm² (G) - Rev 02 3.5 Temperature : -10 to 100°C 3.6 Pre-charging pressure : 90% Minimum operating pressure 3.7 Outlet port connection : 2"-150lb RF as per ANSI B16.5 3.8 Accessories : Simple stand as per Annexure-I for mounting accumulators with necessary fittings. 3.9 Test pressure : 1.5 times of design pressure. SCOPE OF SUPPLY: Bladder type accumulator along with stand for each variant by providing 2"-150lb outlet connection and it will be inspected by BHEL or its inspection agency. Proper plugs to be provided for threaded holes on Accumulator discharge line. One Set of Foundation Bolts along with nuts suitable for mounting the accumulator station In case of more than one accumulator all accumulators shall be mounted in a single stand & Accumulators in Each Row should not exceed 4 nos. (Refer foundation Plan in Annexure-II to TC54322, if applicable & the same shall be complied by vendor) The Vent/drain & Pressure gauge connections of each accumulator shall be ended with valves. Plug connection shall be provided with valves.			
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