

Scope of Work

1. The SS pipes and pipe fittings of bite type with manufacture test certificates with class approval are to be submitted. The hydraulic system pipelines are to be laid on board as per the Hyd. schematic dwg. No.:11154-0310-1 Rev. G/ HSL drg no: 65910D
2. After installation of pipelines, the entire system is to be offered for dry survey and pressure testing prior to flushing and commissioning to HSL QC, Class and CGOT. Remarks, if any needs to be liquidated by the party. The party should assist the service engineer while commissioning the system. After dry survey/ pressure testing of pipe system on board , flushing is to be carried out to the satisfaction of Service Engineers, Class, Surveyors.
3. Modifications if any while execution has to be attended. Depending on the extent of modification/Re work the certification will be done for payment by the plumbing department.

DM(Plumbing)

M(MD)

Material List to be Procured by the Contractor

HYDRAULIC SYSTEM MATERIAL LIST				
SL.NO.	ITEM NO.	MATERIAL DESCRIPTION	QTY/MTRS	REMARKS
1		NW-13 (12.7ODX1.2TH)SS PIPES	50MTRS	
2		NW-15 (15.88 ODX1.6TH)SS PIPES	70MTRS	
3		NW-25 (25 ODX3TH) SS PIPES	50MTRS	
4		NW-35 (35 ODX4TH) SS PIPES	50MTRS	
5		NW-50 (60.33 ODX 2.0 TH)SS PIPES	8 MTRS	
6		NW-80 (76.2ODX2.0 TH)SS PIPES	50MTRS	
VALVES				
7		1/2" BALL VALVES END CONNECTION BITE TYPE COUPLING (6 BAR)	3 NOS.	
8		1/2" BALL VALVES END CONNECTION BITE TYPE COUPLING (210 BAR)	18 NOS.	
9		2" BALL VALVES END CONNECTION BITE TYPE COUPLING (6 BAR)	3 NOS.	
FITTINGS				
10		NW-13 STRAIGHT CONNECTORS	30 NOS.	
11		NW-15 STRAIGHT CONNECTORS	55 NOS.	
12		NW-25 STRAIGHT CONNECTORS	30 NOS.	
13		NW-35 STRAIGHT CONNECTORS	30 NOS.	
14		NW-13 BHD FITTINGS (BITE TYPE)	6 NOS.	
15		NW-15 BHD FITTINGS (BITE TYPE)	21 NOS.	
16		NW-25 BHD FITTINGS (BITE TYPE)	6 NOS.	
17		NW-35 BHD FITTINGS (BITE TYPE)	6 NOS.	
18		NW-15 'T' CONNECTORS	30 NOS.	
19		25X25X13 UNEQUAL TEE	5 NOS	
20		¾" BSP MALE X 25 OD TUBE MALE STUD COUPLING	5NOS	
FLANGES				
21		NW-80 MS FLANGES (OD-185, ID-78, PCD-146)	20NOS	
22		NW-50 MS FLANGES (OD-150, ID-62, PCD-114)	8 NOS.	
TRANSOM BHD WATER JET CONNECTORS				
23		HIGH PRESSURE HOSE COUPLING TO ONE END 3/8" BSP MALE AND OTHER END TO SUIT 15.88MM TUBE WITH FEMALE CHECK NUT-1500MM	12 NOS.	
24		HIGH PRESSURE HOSE COUPLING TO ONE END 1/2" BSP MALE AND OTHER END TO SUIT 15.88MM TUBE WITH FEMALE CHECK NUT-750MM	6 NOS.	
25		HIGH PRESSURE HOSE COUPLING TO SUIT 25 OD SS PIPE BOTH ENDS-1500MM	3 NOS.	

26		HIGH PRESSURE HOSE COUPLING TO ONE END 3/4" BSP MALE AND OTHER END TO SUIT 15.88MM TUBE WITH FEMALE CHECK NUT-1500MM	3 NOS.	
27		HIGH PRESSURE HOSE COUPLING TO ONE END 3/8" BSP MALE AND OTHER END TO SUIT 18MM TUBE WITH FEMALE CHECK NUT (SW)-1500MM	3 NOS.	
STAUFF CLAMPS (Heavy Duty)				
28		NW-13 TO SUIT (12.7 OD) SS PIPES	30 NOS.	
29		NW-15 TO SUIT (15.88 OD) SS PIPES	50 NOS.	
30		NW-25 TO SUIT (25.4 OD) SS PIPES	30 NOS.	
31		NW-35 TO SUIT (35 OD) SS PIPES	30 NOS.	
32		NW-50 TO SUIT (60.33 OD) SS PIPES	10 NOS.	
33		NW-80 TO SUIT (76.2 OD) SS PIPES	30 NOS.	
P.TO PUMP FLEXIBLE HOSES				
34		NW-13 (210 BAR) TO SUIT ONE END 3/8" BSP MALE AND OTHER END 12.7 PIPE	3 NOS	
35		NW-25 (210 BAR) HP HOSE ONE END 1" BSP MALE AND OTHER END TO SUIT 25 OD SS TUBE BITE TYPE COUPLING CHECK NUT	3 NOS	
36		NW-35 (6 BAR) HP HOSE ONE END WITH SPLIT FLANGE O RING ARRANGEMENT AND OTHER END TO SUIT 35 OD SS TUBE BITE TYPE COUPLING CHECK NUT	3 NOS	
37		NW-50 (6 BAR) TO SUIT BOTH ENDS 60.33TUBE FLANGES	3 NOS	
38		3/4" BSP SS SOCKET WITH FEMALE THREAD	10 NOS	

NOTE:

ALL MATERIALS SHOULD BE SS316 AND TO WITHSTAND A PRESSURE 320 BAR