

IOCL PARADIP 525 TPD STANDBY SRU PROJECT

VALVES REQUIRED FOR PIPING TIE-IN ACTIVITY

SL NO	ITEM	NB	RATING	MATERIAL	SPECIAL SERVICE	END CONN	OPEN MODE	QTY	TIE-IN NO	SERVICE	VMS	SCOPE	REMARKS	PR	ENQUIRY
1	GATE VALVE	300	C600	A216GRWCB	IBR	RF-B16.5	GO	2	088-TP-015	HP STEAM	515AB	PESD VENDOR		1900138301/10 DT 01.06.21	
2	GATE VALVE	250	C600	A216GRWCB	IBR	RF-B16.5	GO	2	090-TP-031	HP STEAM	515AB	PESD VENDOR		1900138301/10 DT 01.06.21	
3	GATE VALVE	150	C600	A216GRWCB	IBR	RF-B16.5	HO	2	088-TP-016	HP STEAM	515AB	PESD VENDOR		1900138301/10 DT 01.06.21	
4	GATE VALVE	150	C600	A216GRWCB	IBR	RF-B16.5	HO	2	088-TP-019	HP BFW	515AB	PESD VENDOR		1900138301/10 DT 01.06.21	
5	GATE VALVE	150	C600	A216GRWCB	IBR	RF-B16.5	HO	2	090-TP-033	HP BFW	515AB	PESD VENDOR		1900138301/10 DT 01.06.21	
6	GATE VALVE	100	C600	A216GRWCB	IBR	RF-B16.5	HO	1	088-TP-024	BLOWDOWN	515AB	PESD VENDOR		1900138301/10 DT 01.06.21	
7	GATE VALVE	80	C300	A216GRWCB	IBR	RF-B16.5	HO	1	088-TP-018	MP BFW	514AB	PESD VENDOR		1900138301/10 DT 01.06.21	
8	GATE VALVE	600	C150	A216GRWCB	IBR	RF-B16.5	GO	1	088-TP-017	LP STEAM	513AB	PESD VENDOR		1900138301/10 DT 01.06.21	
9	GATE VALVE	250	C150	A216GRWCB	IBR	RF-B16.5	HO	1	088-TP-026	LP CONDENSATE	513AB	PESD VENDOR		1900138301/10 DT 01.06.21	
10	GATE VALVE	250	C150	A216GRWCB	IBR	RF-B16.5	HO	1	090-TP-038	LP CONDENSATE	513AB	PESD VENDOR		1900138301/10 DT 01.06.21	
11	GATE VALVE	200	C150	A216GRWCB		RF-B16.5	HO	1	088-TP-012	NITROGEN	513FA	PESD VENDOR		1900138301/10 DT 01.06.21	
12	GATE VALVE	100	C150	A216GRWCB	IBR	RF-B16.5	HO	1	088-TP-021	LP CONDENSATE	513AB	PESD VENDOR		1900138301/10 DT 01.06.21	
13	GATE VALVE	80	C150	A216GRWCB	CAT-D	RF-B16.5	HO	1	088-TP-013	SERVICE WATER	513DA	PESD VENDOR		1900138301/10 DT 01.06.21	
14	GATE VALVE	80	C150	A216GRWCB	CAT-D	RF-B16.5	HO	1	090-TP-029	SERVICE WATER	513DA	PESD VENDOR		1900138301/10 DT 01.06.21	
15	GATE VALVE	50	C150	A216GRWCB	IBR	RF-B16.5	HO	1	088-TP-023	BLOWDOWN	513AB	PESD VENDOR		1900138301/10 DT 01.06.21	
16	GATE VALVE	80	C150	A216GRWCB	NACE	RF-B16.5	HO	1	089-TP-041	VENT GAS	513HC	PESD VENDOR		1900138301/10 DT 01.06.21	
17	GATE VALVE	80	C150	A216GRWCB	NACE	RF-B16.5	HO	1	089-TP-042	VENT GAS	513HC	PESD VENDOR		1900138301/10 DT 01.06.21	
18	GATE VALVE	600	C150	A216GRWCB	NACE	RF-B16.5	GO	2	090-TP-036	FLARE	513HC	PESD VENDOR		1900138301/10 DT 01.06.21	
19	GATE VALVE	400	C150	A216GRWCB	NACE + HIC	RF-B16.5	GO	1	089-TP-040	PROCESS GAS	513TC	PESD VENDOR		1900138301/10 DT 01.06.21	
20	GATE VALVE	150	C150	A216GRWCB	NACE	RF-B16.5	HO	2	088-TP-022	FLARE	513HC	PESD VENDOR		1900138301/10 DT 01.06.21	
21	GATE VALVE	100	C150	A216GRWCB	NACE + HIC	RF-B16.5	HO	1	090-TP-027	SWS VENT GAS	513TC	PESD VENDOR		1900138301/10 DT 01.06.21	
22	GATE VALVE	80	C300	A216GRWCB	NACE + HIC	RF-B16.5	HO	1	088-TP-002	SOUR WATER	514VC	PESD VENDOR		1900138301/10 DT 01.06.21	
23	GATE VALVE	40	C800	A105	IBR	SW	HO	16	086-TP-XX3	LP STEAM	510AB	PESD VENDOR		1900138301/10 DT 01.06.21	
24	GATE VALVE	40	C800	A105	IBR	SW	HO	5	087-TP-XX4	LP STEAM	510AB	PESD VENDOR		1900138301/10 DT 01.06.21	
25	GATE VALVE	40	C800	A105	IBR	SW	HO	2	089-TP-XX5	LP STEAM	510AB	PESD VENDOR		1900138301/10 DT 01.06.21	
26	GATE VALVE	40	C800	A105	IBR	SW	HO	2	212-TP-XX6	LP STEAM	510AB	PESD VENDOR		1900138301/10 DT 01.06.21	
27	GATE VALVE	20	C800	A105N	NACE	SW	HO	12	SPARE	PROCESS GAS	513HC	PESD VENDOR	Not in EIL's Input	1900138301/10 DT 01.06.21	
28	GATE VALVE	250	C150	A351GRCF3M		RF-B16.5	HO	1	088-TP-004	SO2 GAS	513AM	PESD VENDOR		1900138301/10 DT 01.06.21	
29	GATE VALVE	50	C150	A351GRCF3		RF-B16.5	HO	1	088-TP-XX1	DM WATER	513AL	PESD VENDOR		1900138301/10 DT 01.06.21	
30	GATE VALVE	50	C150	A351GRCF3		RF-B16.5	HO	1	090-TP-XX2	DM WATER	513AL	PESD VENDOR		1900138301/10 DT 01.06.21	
31	GATE VALVE	100	C150	B62 UNS C83600		RF-B16.5	HO	1	090-TP-034	INSTRUMENT AIR	513FE	PESD VENDOR			
32	GATE VALVE	80	C150	B62 UNS C83600		RF-B16.5	HO	1	088-TP-014	POTABLE WATER	513FE	PESD VENDOR			
33	GATE VALVE	80	C150	B62 UNS C83600		RF-B16.5	HO	1	088-TP-020	INSTRUMENT AIR	513FE	PESD VENDOR			
34	GATE VALVE	50	C150	B62 UNS C83600		RF-B16.5	HO	1	088-TP-011	PLANT AIR	513FE	PESD VENDOR			
35	GATE VALVE	50	C150	B62 UNS C83600		RF-B16.5	HO	1	090-TP-028	PLANT AIR	513FE	PESD VENDOR			
36	GATE VALVE	80	C150	B62 UNS C83600		RF-B16.5	HO	1	090-TP-030	POTABLE WATER	513FE	PESD VENDOR			
37	GATE VALVE (JACKETED)	10	C150	A216GRWCB		RF-B16.5	HO	1	088-TP-007	SULFUR PIT VAPOUR	513AD	PESD VENDOR	Steam supply/return to be designed	1900138301/20 DT 26.05.21	
38	GATE VALVE (JACKETED)	6	C150	A216GRWCB		RF-B16.5	HO	1	088-TP-008	LIQUID SULFUR	513AD	PESD VENDOR	Steam supply/return to be designed	1900138301/20 DT 26.05.21	
39	GATE VALVE (JACKETED)	8	C150	A216GRWCB		RF-B16.5	HO	1	088-TP-009	DEGASSING OVER HEAD	513AD	PESD VENDOR	Steam supply/return to be designed	1900138301/20 DT 26.05.21	

IOCL PARADIP 525 TPD STANDBY SRU PROJECT

VALVES REQUIRED FOR PIPING TIE-IN ACTIVITY

SL NO	ITEM	NB	RATING	MATERIAL	SPECIAL SERVICE	END CONN	OPEN MODE	QTY	TIE-IN NO	SERVICE	VMS	SCOPE	REMARKS	PR	ENQUIRY
40	VALVE (TRIPLE OFFSEED)	1200	C150	A216GRWCB		RF-B16.5	GO	1	088-TP-005	SRU TAIL GAS	563BA	PESD VENDOR		1900138301/30 DT 26.05.21	
41	VALVE (TRIPLE OFFSEED)	1200	C150	A216GRWCB		RF-B16.5	GO	1	088-TP-006	SRU TAIL GAS	563BA	PESD VENDOR		1900138301/30 DT 26.05.21	
42	VALVE (TRIPLE OFFSEED)	1100	C150	A216GRWCB		RF-B16.5	GO	1	088-TP-010	COMBUSTION AIR	563BA	PESD VENDOR		1900138301/30 DT 26.05.21	
43	VALVE (TRIPLE OFFSEED)	1200	C150	A216GRWCB	NACE + HIC	RF-B16.5	GO	1	089-TP-039	PROCESS GAS	563TC	PESD VENDOR		1900138301/30 DT 26.05.21	
44	VALVE (TRIPLE OFFSEED)	900	C150	A216GRWCB	NACE + HIC	RF-B16.5	GO	1	088-TP-001	AMINE ACID GAS	563TC	PESD VENDOR		1900138301/30 DT 26.05.21	
45	VALVE (TRIPLE OFFSEED)	500	C150	A216GRWCB	NACE + HIC	RF-B16.5	GO	1	088-TP-003	SWS ACID GAS	563TC	PESD VENDOR		1900138301/30 DT 26.05.21	
46	VALVE (TRIPLE OFFSEED)	150	C150	A216GRWCB		RF-B16.5	HO	1	088-TP-043	COOLING WATER	563DA	PESD VENDOR		1900138301/30 DT 26.05.21	
47	VALVE (TRIPLE OFFSEED)	150	C150	A216GRWCB		RF-B16.5	HO	1	088-TP-044	COOLING WATER	563DA	PESD VENDOR		1900138301/30 DT 26.05.21	
48	BALL VALVE (FLOATING)	150	C150	A216GRWCB		RF-B16.5	HO	1	088-TP-025	FUEL GAS	543LA	PESD VENDOR	HydroCarbon Service	1900138332 DT 27.05.21	
49	BALL VALVE (TRUNNION)	200	C150	A216GRWCB		RF-B16.5	HO	1	090-TP-037	FUEL GAS	543LA	PESD VENDOR	HydroCarbon Service	1900138332 DT 27.05.21	
50	PLUG VALVE	50	C150	A216GRWCB		RF-B16.5	HO	1	088-TP-008	LIQUID SULFUR	553BD	PESD VENDOR	Not required as per P&ID scope. Shown as existing. To be discussed with EIL.		
51	BUTTERFLY VALVE (TRIPLE OFFSEED)	400	C300	A216GRWCB+PWHT+SOUR SERVICE	NACE + HIC	RF-B16.5	PO	1	089-TP-051	PROCESS GAS	089-HZV-0502	PESD VENDOR BY SYS (PS)	Common for 089-TP-052		
52	BUTTERFLY VALVE (TRIPLE OFFSEED)	1200	C300	A216GRWCB+PWHT+SOUR SERVICE	NACE	RF-B16.5	PO	1	089-TP-053	PROCESS GAS	089-HZV-0508	PESD VENDOR BY SYS (PS)	Common for 089-TP-054		
53	ON-OFF BALL VALVE	80	C300	A216GRWCB+PWHT+SOUR SERVICE	NACE	RF-B16.5	PO	1	089-TP-055	VENT GAS	089-XZV-0514	PESD VENDOR BY SYS (PS)	Common for 089-TP-056		
54	ON-OFF BALL VALVE	80	C300	A216GRWCB+PWHT+SOUR SERVICE	NACE	RF-B16.5	PO	1	089-TP-057	VENT GAS	089-XZV-0506	PESD VENDOR BY SYS (PS)	Common for 089-TP-058		
55	ON-OFF ROTARY PLUG VALVE (JACKETED)	250	C300	A216GRWCB		RF-B16.5	PO	1	089-TP-071	SULFUR PIT VAPOUR	089-XZV-0521	PESD VENDOR BY SYS (PS)	Common for 089-TP-073		
56	ON-OFF ROTARY PLUG VALVE (JACKETED)	150	C300	A216GRWCB		RF-B16.5	PO	1	089-TP-074	DEGASSING OVER HEAD	089-XZV-0522	PESD VENDOR BY SYS (PS)	Common for 089-TP-076		
57	ON-OFF BALL VALVE	900	C300	A216GRWCB		RF-B16.5	PO	1	089-TP-079	SRU TAIL GAS	089-XZV-0523	PESD VENDOR BY SYS (PS)	Common for 089-TP-080		

IOCL PARADIP 525 TPD STANDBY SRU PROJECT

VALVES REQUIRED FOR PIPING TIE-IN ACTIVITY

SL NO	ITEM	NB	RATING	MATERIAL	SPECIAL SERVICE	END CONN	OPEN MODE	QTY	TIE-IN NO	SERVICE	VMS	SCOPE	REMARKS	PR	ENQUIRY
-------	------	----	--------	----------	-----------------	----------	-----------	-----	-----------	---------	-----	-------	---------	----	---------

Notes:

- 1) Enquiry sent to BHEL (T) on 19.05.2021 for Gate Valves. Formal PR will be released after Scope / Price settlement with Trichy.
- 2) BHEL (T) gave regret on 29.05.2021.