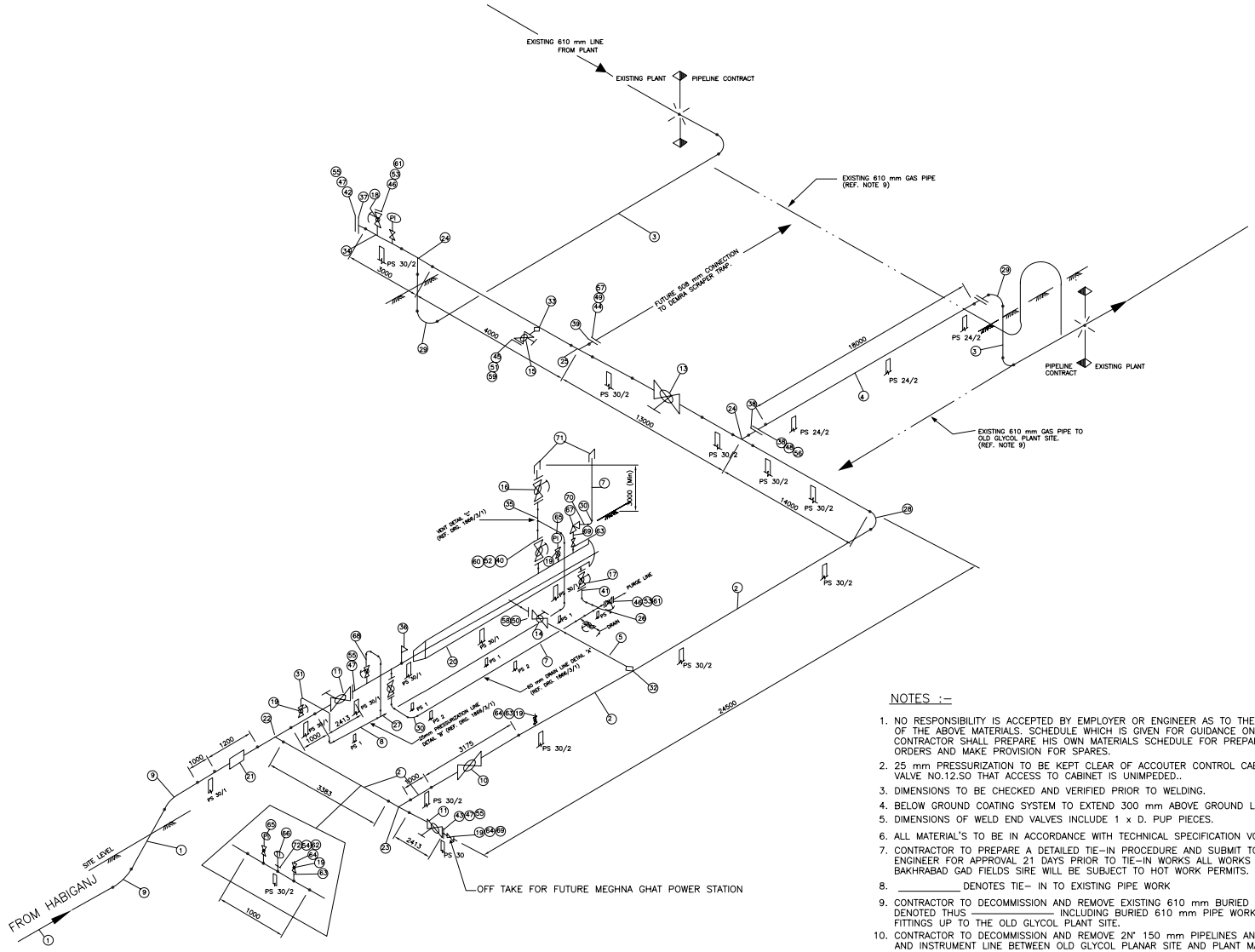

MATERIALS SCHEDULE –VALVE STATION			
ITEM	DESCRIPTION	UNIT	QUANTITY
1	LINE PIPE– 762 mm OD. API 5L x 52 17. 5 mm wt i) BELOW GROUND COATED	M	60
2	ii) ABOVE GROUND COATED	M	80
3	LINE PIPE–610 mm OD. API 5L x 52 14.3 MM wt i) BELOW GROUND COATED	M	36
4	ii) ABOVE GROUND COATED	M	24
	LINE PIPE–API 5L GRB		
5	i) 219.1 mm OD. x 12.7 mm wt	M	4
6	ii) 114.3 mm OD. x 8.56 mm wt	M	1
7	iii) 60 mm OD. x 5.35 mm wt	M	15
8	iv) 25 mm OD x 4.35 mm wt	M	18
9	INDUCTION BEND BD RADIUS 30 API 5L x 52& 762 mm OD x 17.5 mm wt	EA	2
	BALL VALVE		
10	i) 762 mm CLASS 600 W/W ENDS. C/W LINE BREAK AND LOCAL CONTROL ACTUATOR	EA	1
11	ii) 762 mm CLASS 600 W/F ENDS. GEAR OPERATED	EA	2
13	iv) 762 mm CLASS 600 W/W ENDS. GEAR OPERATED	EA	1
14	V) 219. 1 mm CLASS 600 W/F ENDS. GEAR OP.	EA	1
15	vi) 168.3mm CLASS 600 W/F ENDS. GEAR OP.	EA	1
16	vii) 114.3 mm CLASS 600 F/F ENDS. LEVER OP.	EA	2
17	viii) 60.3 mm CLASS 600 F/F ENDS . LEVER OP.	EA	2
18	IX) 60.3 mm CLASS 600 W/F ENDS. LEVER OP.	EA	1
19	X) 25 mm CLASS 600 SCREWED NPT FEMALE. LEVER OP.	EA	9
20	SCRAPER RECEIVER – 762 mm CLASS 600	EA	1
21	ISOLATING JOINT– 762 mm CLASS 600	EA	1
22	TEE EQUAL. i) 762 mm x 762 mm x 762 mm 19.05 mm W.T. FITTED WITH PIG GUIDE BARS	EA	1
23	ii) 762 mm x 762 mm x 762 mm 19.05 mm W.T.	EA	1
	TEE REDUCING.		
24	i) 762 mm x 762 mm x 610 mm 19.05 mm W.T.	EA	2
25	ii) 762 mm x 762 mm x 508 mm 19.05 mm x 14.3 mm W.T.	EA	1
26	iii) 60 mm x 60 mm x 60 mm SCH 80	EA	2
27	iv) 25 mm x 25 mm x 25 mm SCH 80	EA	1
	ELBOW 90°		
28	i) 762 mm x 19.5 mm W.T. L.R.	EA	1
29	ii) 610 mm x 19.05 mm W.T. L.R.	EA	4
30	iii) 60 mm SCH 80 S.R	EA	5
31	iv) 25 mm SCH 80 L.R.	EA	7
	WELDOLET		
32	i) 762 mm RUN 219 mm OUTLET.SCH 80	EA	1
33	ii) 762 mm RUN 168.3 mm OUTLET.SCH 80	EA	1
34	iii) 762 mm RUN 60 mm OUTLET. SCH 80	EA	1
35	iv) 114 mm RUN 25 mm OUTLET.SCH 80	EA	1
36	PIG SIGNAL – CLASS 600 BI DIRECTIONAL TRIGGER. C/W ISOLATING VALVE. FLAG AND WELDED BOSS	EA	1
	FLANGE BLIND RF SLASS 600		
37	i) 762 mm F 52	EA	1
38	ii) 610 mm F 52	EA	4
39	iii) 508 mm F 52	EA	1
40	iv) 114.3 mm x STG	EA	3
41	v) 60.3 mm x FTG	EA	5
	FLANGE BLIND RF SLASS 600		
42	i) 762 mm F 52	EA	1
43	ii) 760 mm DRILLED 25 mm NPT F2 52	EA	1
44	iii) 508 mm F 52	EA	1
45	iv) 168.3 mm x STG	EA	1
46	v) 60 mm x STG	EA	2
	GASKETS–SPORAL WOUND WITH CENTERINGRING CLASS 600		
47	i) 762 mm	EA	3
48	ii) 610 mm	EA	2
49	iii) 508 mm	EA	1
50	iv) 219.1 mm	EA	1
51	v) 168.3 mm.	EA	1
52	vi) 114.3 mm	EA	4
53	vii) 60.3 mm	EA	9
54	viii) 40 mm	EA	1
	STUD BOLTS C/W 2 NUTS. CLASS 600.		
55	i) M52 x 355 mm	EA	84
56	ii) M48 x 330 mm	EA	48
57	iii) M42 x 290 mm	EA	24
58	iv) M30 x 195 mm	EA	12
59	v) M27 x 170 mm	EA	12
60	vi) M24 x 145 mm	EA	32
61	vii) M18 x 105 mm	EA	72
62	viii) M20 x 105 mm	EA	4
63	NIPOLET–NPT MALE CLASS 3000 25 mm	EA	8
64	PLUG–NPT.HEX HEAD CLASS 3000 25 mm	EA	8
65	PRESSURE GAUGE ASSEMBLY REFER INSTRUMENT DRAWING.	EA	3
66	TEMPERATURE INDICATOR ASSEMBLY. REFER INSTRUMENT DRAWING.	EA	1
67	PRESSURE RELIEF VALVE SCREWED NPT. FEMALE 25 mm x 50 mm OUTLET SET PRESSURE 1375 Sig.. CLASS 600	EA	1
68	NIPPLE–SCREWED NPT. MALE ONE END/OTHER END PLAIN.CLASS 3000. 25 mm x 75 mm LONG.	EA	2
69	NIPPLE–SCREWED NPT. MALE BOTH ENDS CLASS 3000. 25 mm x 75 mm LONG.	EA	2
70	NIPPLE–SCREWED NPT. MALE ONE END/OTHER END PLAIN.CLASS 3000. 60 mm x 75 mm LONG.	EA	1
71	PVC WEATHER CAP TO SUIT VENT PIPES 100 mm LONG	EA	2
72	WELDS FLANGE–40 mm SCH 80	EA	1

NOTES :–

1. NO RESPONSIBILITY IS ACCEPTED BY EMPLOYER OR ENGINEER AS TO THE ACCURACY OF THE ABOVE MATERIALS. SCHEDULE WHICH IS GIVEN FOR GUIDANCE ONLY. THE CONTRACTOR SHALL PREPARE HIS OWN MATERIALS SCHEDULE FOR PREPARATION OF ORDERS AND MAKE PROVISION FOR SPARES.
2. 25 mm PRESSURIZATION TO BE KEPT CLEAR OF ACCOUTER CONTROL CABINET ON VALVE NO.12.SO THAT ACCESS TO CABINET IS UNIMPEDED..
3. DIMENSIONS TO BE CHECKED AND VERIFIED PRIOR TO WELDING.
4. BELOW GROUND COATING SYSTEM TO EXTEND 300 mm ABOVE GROUND LEVEL.
5. DIMENSIONS OF WELD END VALVES INCLUDE 1 x D. PUP PIECES.
6. ALL MATERIAL'S TO BE IN ACCORDANCE WITH TECHNICAL SPECIFICATION VOL.2.
7. CONTRACTOR TO PREPARE A DETAILED TIE–IN PROCEDURE AND SUBMIT TO THE ENGINEER FOR APPROVAL 21 DAYS PRIOR TO TIE–IN WORKS ALL WORKS WITHIN BAKHRABAD GAD FIELDS SIRE WILL BE SUBJECT TO HOT WORK PERMITS.
8. _____ DENOTES TIE– IN TO EXISTING PIPE WORK
9. CONTRACTOR TO DECOMMISSION AND REMOVE EXISTING 610 mm BURIED PIPE WORK DENOTED THUS ———————— INCLUDING BURIED 610 mm PIPE WORK AND FITTINGS UP TO THE OLD GLYCOL PLANT SITE.
10. CONTRACTOR TO DECOMMISSION AND REMOVE 2N° 150 mm PIPELINES AND FITTINGS AND INSTRUMENT LINE BETWEEN OLD GLYCOL PLANAR SITE AND PLANT MANIFOLS.
11. LOCATION OF EXISTING PIPELINES FOR DECOMMISSIONING AND REMOVAL TO BE CONFIRMED ON SITE WITH OPERATOR.
12. THE CONTRACTOR IS ADVISED THAT THERE ATE NUMEROUS BURIED PRODUCT AND SERVICE LINES WITHIN THE VICINITY OF THE WORKS AND AS SUCH ALL TRENCHING SHALL BE BY MANUAL MEANS

A1

Sheet Size	Rev	Issue	By	Date	Rev	Amendments	By	Chkd.	Aprvd.	Date	Drawing No.	Related Drawings
	0											

Scale:	N.T.S.
Drawn:	
Date:	
Checked:	
Date:	
Approved:	
Date:	

762mm PIG RECEIVER PIPING DETAILS

Drg. No. GTC/RA(PM)/10.81/08

Rev. 0