

Client:	Project :	Designer:			
	Golgohar Iron & Steel Development Co.				
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Document Title:	INSTRUMENT LIST FOR TRANSFER LINE	Sheet: 1 OF 5			
INSTRUMENT LIST FOR TRANSFER LINE					
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Document Title:	INSTRUMENT LIST FOR TRANSFER LINE	Rev: 01 Sheet: 3 OF 5
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REFERENCE DOCUMENTS		
ITEM	DOCUMENT TITLE	DOCUMENT NO.
1	P&ID for RWTP OF ESP	S-SM01-D-BOP-WWTP-DWG-PR-001
ABBREVIATION		
NOTES		

Client: گولگہار آئرن اینڈ اسٹیل ڈیولپمنٹ کمپنی G.I.S.D Co.			PROJECT TITLE :								Golgohar Iron & Steel Development Co.		Designer: برسو برسودھت				
			DOCUMENT NAME:								INSTRUMENT LIST FOR TRANSFER LINE						
			REV:				01				Sheet No. : 4 OF 5						
Item No.	Tag No.	Description	Instrument Type	Service	Fluid	Line No./ Equip. No	Location/Area	Power Supply	Instrument Range	Set Point	Unit	Model No	MFR	Rev.	Remark		
1	LIT-1003	Level Indicator transmitter	Radar (FMCW, non contact)	feed TK-04	Brine Water	TK-04	Field	24VDC	0~5000 mm	LL=400, L=1000, H=4500, HH=45500	mm	VTA	VTA	A1	-		
2	LIT-1004	Level Indicator transmitter	Radar (FMCW, non contact)	feed TK-04	Brine Water	TK-04	Field	24VDC	0~5000 mm	LL=400, L=1000, H=4500, HH=45500	mm	VTA	VTA	A1	-		
3	LS-1003	Level Switch	Conductive	feed TK-04	Brine Water	TK-04	Field	24VDC	-	LL=400	mm	VTA	VTA	A1	Low Low Level Switch for Pump dry-run protection		
4	LS-1004	Level Switch	Conductive	feed TK-04	Brine Water	TK-04	Field	24VDC	-	LL=400	mm	VTA	VTA	A1	Low Low Level Switch for Pump dry-run protection		
5	UV-1007	On/Off Pneumatic valve	Butterfly	to client tank 900-WWT-TA01-01	Brine Water	8"-BR-1001-A2-N	Field	24VDC	-	-	-	VTA	VTA	A1	Fail Position: FL Required Air Supply:		
6	UZSC-1007	Close position	Limit Switch	to client tank 900-WWT-TA01-01	Brine Water	UV-1007	Field	24VDC	-	-	-	VTA	VTA	A1	Supplied by Valve Vendor		
7	UZSO-1007	Open position	Limit Switch	to client tank 900-WWT-TA01-01	Brine Water	UV-1007	Field	24VDC	-	-	-	VTA	VTA	A1	Supplied by Valve Vendor		
8	SOV-1007	3-Way	Solenoid Valve	to client tank 900-WWT-TA01-01	Instrument Air	UV-1007	Field	24VDC	-	-	-	VTA	VTA	A1	Supplied by Valve Vendor		
9	UV-1008	On/Off Pneumatic valve	Butterfly	before TK-04	Brine Water	8"-BR-1002-A2-N	Field	24VDC	-	-	-	VTA	VTA	A1	Fail Position: FL Required Air Supply:		
10	UZSC-1008	Close position	Limit Switch	before TK-04	Brine Water	UV-1008	Field	24VDC	-	-	-	VTA	VTA	A1	Supplied by Valve Vendor		
11	UZSO-1008	Open position	Limit Switch	before TK-04	Brine Water	UV-1008	Field	24VDC	-	-	-	VTA	VTA	A1	Supplied by Valve Vendor		
12	SOV-1008	3-Way	Solenoid Valve	before TK-04	Instrument Air	UV-1008	Field	24VDC	-	-	-	VTA	VTA	A1	Supplied by Valve Vendor		
13	PG-1004A	Pressure Gauge	Bourdon	after PU-06A	Brine Water	8"-BR-1006-A2-N	Field	24VDC	0-4 barg	-	barg	VTA	VTA	A2	oil filled		
14	PG-1004B	Pressure Gauge	Bourdon	after PU-06B	Brine Water	8"-BR-1007-A2-N	Field	24VDC	0-4 barg	-	barg	VTA	VTA	A2	oil filled		
15	PS-1005A	Pressure switch	Bourdon	after PU-06A	Brine Water	8"-BR-1006-A2-N	Field	24VDC	-	L=1.3	barg	VTA	VTA	A1	alarm/trip		
16	PS-1005B	Pressure switch	Bourdon	after PU-06B	Brine Water	8"-BR-1007-A2-N	Field	24VDC	-	L=1.3	barg	VTA	VTA	A1	alarm/trip		
17	FIT-1003	Flow Indicator Transmitter	Magnetic	On head line to TK-K01	Brine Water	12"-BR-1008-A06-N	Field	24VDC	0~250 m3/h	-	m3/h	VTA	VTA	A2	Located in RO KOWSAR		

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Item No.	Tag No.	Description	Instrument Type	Fluid	Instrument Range	Set Point	Unit	Quantity	Model No	MFR	Rev.	Remark
1	LIT	Level Indicator transmitter	Radar (FMCW)	Brine Water	0~5000	LLL:400, LL:1000, HL:4500, HHL:45500	mm	2	VTA	VTA	0	-
2	LS	Level Switch	Conductive	Brine Water	-	400	mm	2	VTA	VTA	0	-
3	UV	On/Off Pneumatic valve	Butterfly	Brine Water	-	-	-	2	VTA	VTA	0	-
4	UZS	Limit Switch	-	Brine Water	-	-	-	4	VTA	VTA	0	-
5	SOV	Solenoid Valve 3-way	-	Instrument Air	-	-	-	2	VTA	VTA	0	-
6	PG	Pressure Gauge	Bourdon	Brine Water	-	-	-	2	VTA	VTA	0	-
7	PS	Pressure switch	Bourdon	Brine Water	-	1.3	barg	2	VTA	VTA	0	-
7	FIT	Flow Indicator Transmitter	Magnetic	Brine Water	0~250	-	m3/h	2	VTA	VTA	0	-