

GENERAL							
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2	Project: INSTALLATION OF GTC AT GANDHAR			Job No.: B240			
3	Owner: GAIL (INDIA) LIMITED			Site: GPU GANDHAR			
4	Purchaser:			Unit: NEW COMPR. AREA		Unit No.: 910	
5	Item No.:			No. of Units:		Installed: Spare:	
6	Applicable to: ☒ Proposal ☐ Purchase ☐ As Built						
7	☒ Scope, Option & Information specified by Purchaser. ☐ Information required from and options left to vendor. Vendor to cross (☐) the selected option.						
8	Gas Seal Module for: Natural Gas Compressor			Compressor Item No.: 910-K-901			
9	Gas Seal Module Supplier: Refer Job Specs.			Gas Seal Module Manufacturer:			
10	Gas Seal: Mfr.: Refer Job Specs			Model No.:		Suppl. by:	
11	☒ Separate Modules for each unit			☐ Multiple Package for			
12	Dry Gas Seal Details:						
13	☒ Dry Gas Seal Type			☐ Single (4A-4)	☐ Double	☐ Tandem (4A-3)	☒ Tandem Dry Gas seal with internal laby. (4A-2)
14	☐ Seal Gas Hazardous:			☐ Yes	☐ No	☐ For Seal Gas Composition, refer to: Rem. 1	
15	☐ Unidirectional ☐ Bidirectional			☐ Rot. Speed,max.,rpm:		☐ Dir. of Rotn. comp. with compr. ☐ Yes ☐ No	
16	☐ Max. Sealing Pr., kg/cm ² g:			☐ Seal Max. Design Pr., kg/cm ² g:		☐ Settleout Pr., kg/cm ² g:	
17	☐ Eqpt.Suc. Pr.(max/min)Kg/cm ² g:			☐ Eqpt. Discharge Temp. °C:		☐ R.V. Set Pr., kg/cm ² g:	
18	Vents			Leakage: Normal / Static		Connected to:	
19	Primary Vent			/		☒ Flare ☐ Safe	
20	Secondary Vent			/		☐ Flare ☒ Safe	
21	Secondary Vent for Internal Labyrinth			/		☐ Flare ☐ Safe	
22	Gas Supply:			Filters:			
23		Primary Supply Gas	Secondary Seal Gas	Separation Gas		Primary Supply Gas	Secondary Seal Gas
24	Type of Gas	Compr. Disch.	Nitrogen	Nitrogen	Twin Filters	Yes	Yes
25	Pressure. kg/cm ² g				Filt.Level-nom. :m		
26	Temp. °C				Manufacturer		
27	Flow, NM ³ /hr				Model		
28	Modules:			Design Pr., kg/cm ² g			
29	Basic Modules:			Test Pr., kg/cm ² g			
30	☒ Seal Gas Filter Module (Fig. No. 4A-5a)			Code constr./Stamp / / /			
31	☒ Separation Gas Filter Module (Fig. No. 4A-5c)			Matl. Case/ Top SS/SS SS/SS SS/SS			
32	☒ Differential Pressure Control (Fig. No. 4A-6a)			Spare Cartridges 4 sets 4 sets 4 sets			
33	☐ Flow Control (Fig. No.)			Continuous Flow Transfer Valves: ☒ Yes ☐ No			
34	Outlet Modules:			Primary Supply Gas Secondary Seal Gas Separation Gas			
35	☐ Flow Monitoring - Diff. Pressure (Fig. No.)			Tight Shut off reqd. Yes			
36	☐ Flow Monitoring - Back Pressure (Fig. No.)			Manufacturer			
37	☐ Flow Measuring (Fig. No.)			Model			
38	Separation Gas Modules: ☐ 4A-9a ☐ 4A-9b ☐ 4A-9c			Rating, kg/cm ² g			
39	For Tandem with Internal Labyrinth type:			Matl: Body CS CS			
40	☒ Differential Pressure Control (Fig. No. 4A-6a)			Matl: Plug or Ball Ball SS SS			
41	☐ Flow Control (Fig. No.)			Matl: Trim SS SS			
42	☐ Material: ☐ Double Blocks & Bleeds						
43	☐ Instrument Test Valves Required			Piping and Tubing:			
44	☐ Special Requirements			☐ Tight Shut off Reqd. ☐ C.S. slip on flanges			
45				☐ Through Studs Reqd. ☐ SS Slip-on/Socket Weld/Weldneck Flng			
46				☒ Heat Tracing reqd. ☐ By Purchaser ☒ By Vendor			
47	Shop Inspection and Tests: Rem.2						
48				Witness		Observed	
49	☒ Cleanliness			☒		☐	
50	☒ Check Controls			☒		☐	
51	☒ Changeover Filters			☒		☐	
52	☒ Sound level			☐		☒	
53	☒ Hydrotest Assembled System			☒		☐	
54	☐ Use for Complete Unit System Test (refer compressor datasheet)			☐		☐	
55	☒ Material test Certificates			☐		☒	
56	☒ Certified Copies of all Test Logs and Data			☐		☒	
57	Applicable Codes: API Std. 617 7th Edition & API Std. 614, 4th edition						
58	Remarks: 1. Refer Job Spec. No. B240-910-80-42-SP-5010 and Compressor Datasheet No. B240-910-80-42-DS-1001						
59	2. Other Tests as per API 617, Appendix 1D shall also be conducted(Observed)						

16.04.19	A	AS	NK
Date	Rev	Job Engineer	Rev. & Approved By