



Vendor	ABT 360 KT/Y PP PLANT Project		Owner
	Inspection & Test Plan (ITP)		
	Vendor's Doc. No.: 23249-08	Rev.: 01	SERAJ GOSTARAN REJAL (سهامی خاص)
	PPEC Doc. No.: L03-RE037-QC-ITP-001		



PPEC REQ. NO. : Package Nameplate Drawing

ITEM NO. :

TOTAL PAGES : 10

<ul style="list-style-type: none"> ○ NO COMMENTS : Documents/Drawings Were Checked By PPEC And Further Step Can Be Followed. ○ COMMENTED AS MARKED: Documents/Drawings Were Checked By PPEC And Marked Comments Must Be Considered By Vendor. Vendor Shall Revise Documents/Drawing As Per Comments And The New Revision Of Documents/Drawings Must Be Revised Prior To Fabrication. ○ REJECTED: Documents/Drawings Were Checked And It Is Not In Comply With Purchase Requisition Requirements. ○ ACCEPTABLE WITH COMMENTS: Documents/Drawings Were Checked By PPEC And Comments Must Be Considered By Vendor. Fabrication Can Proceed Accordingly. Revised Document To Be Issued Either For Review Or As Final Certified. However PPEC Will Check The Revised Document For Proper Incorporation Of Comments. ○ NOT RETURNED: Document Was Received For Information And Not Returned To The Vendor. 		
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01	06-06-2025	Issue for Engineering	S.K.	S.K.	J.J.	
00	02-04-2025	Issue for Engineering	S.K.	S.K.	J.J.	
REV.	DATE	Description	Prepared by	Checked by	Approved by	Authorized by

Vendor 	ABT 360 KT/Y PP PLANT		Contractor (DEC)	Owner  سراج گستران رجال SERAJ GOSTARAN REJAL (سهامی خاص)
	Inspection & Test Plan (ITP)			
	Vendor's Doc. No.: 2 3 2 4 9 - 0 8	Rev.: 01		
PPEC Doc. No.: L03-RE037-QC-ITP-001				

PAGE NO.	CHANGE INDEX DURING FORMAL ISSUE							REASON OF LATEST CHANGE
	FIRST ISSUE	SECOND ISSUE	THIRTH ISSUE	FOURTH ISSUE	FIFTH ISSUE	SIXTH ISSUE		
	REV.00	REV.01	REV.02	REV.03	REV.04	REV.05		
1	X	X						
2	X	X						
3	X							
4	X							
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INSPECTION AND TEST PLAN (ITP)

Inspection and Test Plan number 23249-08

Contract Number: Customer: Seraj Gostaran Rejal Contractor: Petro Palayesh Engineering Company Project: 23249-COM	Inspection and Test Plan For: Gas compressor package Airpack Nederland B.V.	
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DRAWINGS FOR APPROVAL

For drawings and documents for approval, we refer to the Supplier Master Document List with Airpack reference number 23249-01.

LIST OF ABBREVIATIONS:

- H = HOLD POINT
Means that a hold shall be applied to the production schedule.
For materials: the buyer must be invited for the inspection / test and the inspection / test must be carried out with the buyer in attendance.
For drawings / documents: Airpack must receive approved drawings / documents, stamped by buyer.
- R = REVIEW POINT
Means that documents shall be available at final inspection for review as part of the data book.
- W = WITNESS POINT
Means that the buyer requires notification of the inspection timing. However, if the inspection is performed as scheduled and if the buyer is not present, Airpack will carry out the test and proceed with production.
- Q = QUALITY INSPECTION
Means that fabricated/purchased materials / parts of the package are checked by Airpack to be in accordance with the specifications.
- E.P.M. = Engineering and Production Manual (mandatory reference - ISO)



INSPECTION & TEST PLAN (ITP) SKID AND AIR PIPING

Activity No.	Inspection Activity	Characteristic to be verified	Extent of Examination	Reference Document	Acceptance Criteria	Verifying Document	Participation						REMARKS
							Airpack		Petro Palayesh Engineering Company		Seraj Gostaran Rejal		
							Code	Date	Code	Date	Code	Date	
A.	Skid (S235)												
1.	Materials	Visual check Certificate check	100%	E.P.M. 11.1.1	EN 10204	2.2 Material certificate	Q		R		R		
2.	Materials	Visual check Certificate check	Lifting lugs	E.P.M. 11.1.1	EN 10204	3.1 Material certificate	Q		R		R		
3.	Welding	Visual check Certificate check	100%	E.P.M. 11.1.2 - 11.1.7 Approved PQR / WPS	AWS D1.1	PQR / WPS	Q		R		R		
4.	NDT	Welds check	100% Lifting lugs	E.P.M. 11.4 Approved NDE procedure	NDT procedure	MT certificate	Q		R		R		
5.	Dimensions	Dimensional check	Random	E.P.M. 11.3 Approved General Arrangement Drawing	General Arrangement Drawing	General Arrangement Drawing as built	Q		R		R		
6.	Painting	Certificate check Paint thickness check	Random	E.P.M. 14.2.1 Approved painting procedure	Painting procedure	Painting report	Q		R		R		
B.	Piping (CS)												
1.	Materials	Visual check Certificate check	100%	E.P.M. 7.2.1	EN 10204	3.1 Material certificate	Q		R		R		
2.	Welding	Visual check Certificate check	100%	E.P.M. 7.2.4 - 7.2.5 Approved PQR / WPS	ASME section IX	PQR / WPS	Q		R		R		
3.	NDT	Welds check	10%	E.P.M. 7.3.2 ASME B31.3 Approved NDE procedure	NDT procedure	RT Certificate	Q		R		R		
4.	Hydrostatic Test	Welds check	100%	E.P.M. 7.3.1 ASME B31.3 Approved hydrotest procedure	Hydrostatic Test Procedure	Hydrostatic Test Certificate	Q		R		R		
5.	Painting	Certificate check Paint thickness check	Random	E.P.M. 14.2.3 Approved painting procedure	Painting procedure	Painting report	Q		R		R		



INSPECTION & TEST PLAN (ITP) E-MOTOR COMPRESSOR

Activity No.	Inspection Activity	Characteristic to be verified	Extent of Examination	Reference Document	Acceptance Criteria	Verifying Document	Participation						REMARKS
							Airpack		Petro Palayesh Engineering Company		Seraj Gostaran Rejal		
							Code	Date	Code	Date	Code	Date	
C. Compressor													
1.	Components	Visual check Certificate check	Random	E.P.M. 2.1 Approved Equipment Data Sheet	Equipment data sheet EN 10204	Equipment data sheet approved 3.1 Material certificate	Q		R		R		
2.	Dimensions	Dimensional check	Random	E.P.M 2.2.3 Approved General Arrangement Drawing	General Arrangement Drawing	General Arrangement Drawing as built	Q		R		R		
3.	Painting	Certificate check Paint thickness check	Random	E.P.M. 14.2.3 Approved painting procedure	Painting procedure	Painting report	Q		R		R		
4.	Hydrostatic Test	Welds check	100%	E.P.M. 7.3.1 Approved hydrotest procedure	Hydrostatic Test Procedure	Hydrostatic Test Certificate	Q		R		R		
D. Main E-motor													
1.	Components	Visual check	Random	E.P.M. 3.1 Approved Main Motor Data Sheet	Main Motor data sheet	Motor data sheet as built	Q		R		R		
2.	Dimensions	Dimensional check	Random	E.P.M. 3.1.4	Motor drawing	Motor drawing as built	Q		R		R		
4.	Painting	Certificate check Paint thickness check	Random	E.P.M. 14.2.1 Approved painting procedure	Painting procedure	Painting report	Q		R		R		



INSPECTION & TEST PLAN (ITP) INSTRUMENTATION AND VALVES

Activity No.	Inspection Activity	Characteristic to be verified	Extent of Examination	Reference Document	Acceptance Criteria	Verifying Document	Participation						REMARKS
							Airpack		Petro Palayesh Engineering Company		Seraj Gostaran Rejal		
							Code	Date	Code	Date	Code	Date	
E. Pressure/Temperature Gauges													
1.	Materials	Visual check Certificate check	100%	E.P.M. 8.1 / 8.2 Approved Instrument Data Sheets	EN 10204	3.1 Material certificate	Q		R		R		
2.	Calibration	Certificate check	100%	E.P.M. 8.1 / 8.2 Approved Instrument Data Sheets	EN 10204	Calibration certificate	Q		R		R		
F. Pressure/Temperature Transmitter													
1.	Materials	Visual check Certificate check	100%	E.P.M. 8.3 / 8.4 / 8.6 / 8.8 Approved Instrument Data Sheets	EN 10204	3.1 Material certificate	Q		R		R		
2.	Calibration	Certificate check	100%	E.P.M. 8.3 / 8.4 / 8.6 / 8.8 Approved Instrument Data Sheets	EN 10204	Calibration certificate	Q		R		R		
3.	ATEX	Certificate check Label check	100%	E.P.M. 8.3 / 8.4 / 8.6 / 8.8 Approved Instrument Data Sheets	EN 60079	Ex i certificate	Q		R		R		
G. Hand Valves and Strainers													
1.	Materials	Visual check Certificate check	100%	E.P.M. 8.12 Approved Instrument Data Sheets	EN 10204	3.1 Material certificate	Q		R		R		
H. Check Valves													
1.	Materials	Visual check Certificate check	100%	E.P.M. 8.13 Approved Instrument Data Sheets	EN 10204	3.1 Material certificate	Q		R		R		
I. Solenoid Valves													
1.	Materials	Visual check Certificate check	100%	E.P.M. 8.14 Approved Instrument Data Sheets	EN 10204	3.1 Material certificate	Q		R		R		
2.	ATEX	Certificate check Label check	100%	E.P.M. 8.14 Approved Instrument Data Sheets	EN 60079	Ex i certificate	Q		R		R		



INSPECTION & TEST PLAN (ITP) INSTRUMENTATION AND VALVES

Activity No.	Inspection Activity	Characteristic to be verified	Extent of Examination	Reference Document	Acceptance Criteria	Verifying Document	Participation						REMARKS
							Airpack		Petro Palayesh Engineering Company		Seraj Gostaran Rejal		
							Code	Date	Code	Date	Code	Date	
1.	Pressure Safety Valves												
1.	Materials	Visual check Certificate check	100%	E.P.M. 8.5 Approved Instrument Data Sheets	EN 10204	3.1 Material certificate	Q		R		R		
2.	Calibration	Certificate check	100%	E.P.M. 8.5 Approved Instrument Data Sheets	API Std 526	Calibration certificate	Q		R		R		



INSPECTION & TEST PLAN (ITP) ELECTRIC PANEL

Activity No.	Inspection Activity	Characteristic to be verified	Extent of Examination	Reference Document	Acceptance Criteria	Verifying Document	Participation						REMARKS
							Airpack		Petro Palayesh Engineering Company		Seraj Gostaran Rejal		
							Code	Date	Code	Date	Code	Date	
K.	UCP												
1.	Dimensions	Visual check	100%	E.P.M. 9.1.1 Approved Panel Layout Drawing	Panel Layout Drawing	Panel Layout Drawing as built	Q		R		R		
L.	JB and LPS												
1.	Dimensions	Visual check	100%	E.P.M. 9.1.1 Approved Panel Layout Drawing	Panel Layout Drawing	Panel Layout Drawing as built	Q		R		R		
2.	ATEX	Certificate check	100%	E.P.M. 9.1.1 Approved Panel Layout Drawing	EN 10204	Ex e certificate	Q		R		R		



INSPECTION & TEST PLAN (ITP) FACTORY ACCEPTANCE TEST

Activity No.	Inspection Activity	Characteristic to be verified	Extent of Examination	Reference Document	Acceptance Criteria	Verifying Document	Participation						REMARKS
							Airpack		Petro Palayesh Engineering Company		Seraj Gostaran Rejal		
							Code	Date	Code	Date	Code	Date	
M. Manufacturing Data Book													
1.	Content	Content check	100%	Index Manufacturing Data Book	Inspection Test Plan	Manufacturing Data Book	Q		R		R		
N. Test Instruments													
1.	Calibration	Certificate check	100%	-	-	Calibration certificate	Q		R		R		
O. Mechanical checks													
1.	Quality	Visual check	100%	General Arrangement Drawing & P&ID	FAT Procedure	Signed FAT Procedure; attachment 2: equipment check list	Q		W		R		
2.	P&ID Review	Visual check	100%	P&ID	FAT Procedure	Signed FAT Procedure; attachment 2: equipment check list	Q		W		R		
3.	Dimensions	Visual check Measurement check	100%	General Arrangement Drawing	FAT Procedure	Signed FAT Procedure; attachment 2: equipment check list	Q		W		R		
4.	Painting	Visual check	Random	Painting procedure	FAT Procedure	Signed FAT Procedure; attachment 2: equipment check list	Q		W		R		
5.	Control Panel	Visual check	100%	Wiring diagram Panel lay-out	FAT Procedure	Signed FAT Procedure; attachment 2: equipment check list	Q		W		R		
6.	Instruments	Visual check	100%	Wiring diagram P&ID	FAT Procedure	Signed FAT Procedure; attachment 2: equipment check list	Q		W		R		
P. Functional Test Control System													
1.	Function	Functional check	100%	Control Philosophy Wiring Diagram	FAT Procedure	Signed FAT Procedure; attachment 3: functional check list	Q		W		R		



INSPECTION & TEST PLAN (ITP) PACKING

Activity No.	Inspection Activity	Characteristic to be verified	Extent of Examination	Reference Document	Acceptance Criteria	Verifying Document	Participation						REMARKS
							Airpack		Petro Palayesh Engineering Company		Seraj Gostaran Rejal		
							Code	Date	Code	Date	Code	Date	
Q. Punch List													
1.	Punch items	Close out check	100%	-	-	Signed Punch List	Q		W		R		
R. Packing and Marking													
1.	Quantity	Quantity check	100%	-	Packing and Preservation Procedure Commissioning and Start-up Spare Part List	Signed Packing List	Q		R		R		
2.	Packing	Visual check	100%	-	Packing and Preservation Procedure	Signed Packing List	Q		R		R		
3.	Marking	Visual check	100%	-	Packing and Preservation Procedure	Signed Packing List	Q		R		R		
S. Release of the Package													
1.	Inspection Release Note	-	-	-	Signed ITP	Signed Inspection Release Note	Q		R		R		