

2-Rotation arrows shall be shown
Noted. After E-motor finalization will be added

4-shaft end
dimensional and
tolerances for the
coupling shall be
specified.. Will be
issued in SHAFT
COUPLING
ASSEMBLY
DRAWING AND
BILL OF
MATERIAL: BK-
GCS-HY-120-ME-
DW-0002

5- Barring device data shall be added a DWG shall be shown here Please clarify about data

6-Earthling lug shall be specified and shown. Noted. will be added in new revision of P&ID

Equipment List		
No	DESCRIPTION	Weight (Kg)
1	Skid & GB	25000
2	Bare Block and Flywheel	33000
3	Distance Piece Collection Pot	70
4	Packing Leakage Collection Pot	62
5	Suction Snubber St.1	1400
6	Discharge Snubber St.1	1360
7	Suction Snubber St.2	1390
8	Discharge Snubber St.2	1510
9	Electrical Motor 1070 kW	16500
Total Weight		85000

7-TP numbers shall be revised.for example TP-01-A/B/C Confirmed

TP. No	DESCRIPTION	SPECIFICATION
TP-01-A/B-C	Process Gas Inlet St.1	FLANGE WN 10"- 300# RF (NOZZLE)
TP-02-A/B-C	Process Gas Outlet St.1	FLANGE WN 10" 300# RF (NOZZLE)
TP-03-A/B-C	Process Gas Inlet St.2	FLANGE WN 6"-600# RF (NOZZLE)
TP-04-A/B-C	Process Gas Outlet St.2	FLANGE WN 6"- 600# RF (NOZZLE)
TP-05-A/B-C	Air Inlet	FLANGE THRD 2"- 150# RF (NOZZLE)
TP-06-A/B-C	N2 Inlet	FLANGE SW 1"- 150# RF (NOZZLE)
TP-07-A/B-C	FLR. Vent to safe location	FLANGE WN 2"-150# RF (NOZZLE)
TP-08-A/B-C	Collection Pot Vent to Flare Header	FLANGE SW 1"-150# RF (NOZZLE)
TP-09-A/B-C	Bare Block Drain	FLANGE SW 3/4"-150# RF (NOZZLE)
TP-11-A/B-C	Suction Snubber St.1 Vent	FLANGE SW 3/4"-300# RF (NOZZLE)
TP-12-A/B-C	Suction Snubber St.1 Drain	FLANGE SW 1"-300# RF (NOZZLE)
TP-13-A/B-C	Discharge Snubber St.1 Vent	FLANGE SW 3/4"-300# RF (NOZZLE)
TP-14-A/B-C	Discharge Snubber St.1 Drain	FLANGE SW 1"-300# RF (NOZZLE)
TP-15-A/B-C	Suction Snubber St.2 Vent	FLANGE SW 3/4"-600# RF (NOZZLE)
TP-16-A/B-C	Suction Snubber St.2 Drain	FLANGE SW 1"-600# RF (NOZZLE)
TP-17-A/B-C	Discharge Snubber St.2 Vent	FLANGE SW 3/4"-600# RF (NOZZLE)
TP-18-A/B-C	Discharge Snubber St.2 Drain	FLANGE SW 1"-600# RF (NOZZLE)
TP-19-A/B-C	Collection Pots Drain	FLANGE SW 1 1/2"-150# RF (NOZZLE)
TP-20-A/B-C	Distance Piece Collection Pot Vent to safe location	FLANGE WN 2"-150# RF (NOZZLE)

8-lifting lug
calculation shall be
provided Issued
Data in VPIS &
agreement will be
issued

10-Pad shall be considered for
Nozzles Noted
Please check new
revision of GAD

OZZLE TABLE			ALLOWABLE LOAD						NOZZLE DISPLACEMENT		
stage	TP NO.	DESCRIPTION	FORCE(N)			MOMENT(N.M)			mm		
			Fx	Fy	Fz	MX	MY	MZ	DX	DY	DZ
1	suction TP01	ASME B 16.5 10" 300#,WN,RF	8500	8500	6500	6000	2000	5000	4	2.1	0.9
	discharge TP02	ASME B 16.5 10" 300#,WN,RF	8500	8500	6500	6000	2000	5000	4	2.1	0.9
2	suction TP03	ASME B 16.5 6" 600#,WN,RF	7000	7000	5000	4000	1200	2200	4	2.4	1.5
	discharge TP04	ASME B 16.5 6" 600#,WN,RF	7000	7000	5000	4000	1200	2200	4	2.4	1.5

17-in according to MOM (1401/12/16) , Lube oil system , cooling system , ElectroMotor & pulsation suppression device detail drawing and final pressure code calculation shall be added.

Please check relative documents.

15- add Compressor , motor , lube oil system , cooling system & ... specification tables include its Details and reference standard.
Relative documents number will be added as reference documents.

16-reference document shall be added

13-Equipments
Tag NO. shall be
added Confirmed.

18-Table of weights shall be added and specified maintenance heaviest weight Equipment weight will be added. for internal part weight and heaviest weight please check IOM

19- Maximum allowable nozzle load shall be specified and shown on a table Noted. will be added

20-Maintenance area shall be shown Noted. will be added

21- Center of Gravity for whole package and each equipment shall be specified COG of whole package will be added. for equipment's COG please check relative documents

22- all piping supports shall be shown Noted. Major pipe supports will be shown.

23- for the safety issue, all the nozzles and parts shall be within the skids. Please Clarify.

24- Anchor bolts pocket and details shall be specified & shown. Please note that: anchor bolt size, material will be issued. Other Civil works are not in HAVAYAR's scope




25-type of grout shall be mentioned in notes It is G3.

26- Mounting plate shall be shown separately with its details. Only mentioned Document in VPIS will be issued.

27- Foundation plan shall be added Civil work it is not in HAVAYAR scope

28-All the material shall be list based on ASTM code in a table.Noted. Please refer to relative documents

V02	FEB.2024	IFR	HAVAYAR Co	M.Fakharian	S.Faramarzpour				
V01	JAN.2024	IFR	HAVAYAR Co	M.Fakharian	S.Faramarzpour				
V00	JUN.2023	IFR	HAVAYAR Co	M.Fakharian	S.Faramarzpour				
REV.	DATE	P.O.I.	PREP.	CHK.	APP.			AUT.	
PROJECT NAME:									
BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES									
PROJECT NO.:									

EPC CONTRACTOR:					EPC/EPD CONTRACTOR:				
 									
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES					PETROIRAN DEVELOPMENT COMPANY				
DRAWING TITLE:									
Compressor Package General Arrangement									
SCALE		SIZE		DRAWING NO.			SHEET NO.		REV.
N.T.S.C.		A3		BK-GCS-HY-120-ME-DW-0001			1 OF 3		V02

<p>28-All the material shall be list based on ASTM code in a table. Noted. Please refer to relative documents</p>					DATE
					APPR.
					<p>IER WITH OF</p>
<p align="center">BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES</p>					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT EN	
<p align="center">NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED</p>					
APPROVED FOR CONSTRUCTION		BY:		DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	REVISION

Add TP number Noted. Will be add in next revision

31-Elevati on of all TP shall be shown Noted will be added

32-Maximum Elevation shall be shown, if there is any ladder or plat form is necessary , vendor shall specified Noted will be shown in next revision of GAD. Ladder & platform are not necessary

9-views name shall be specifiedConfirmed

30-DBSE shall be specified Please Check to BK-GCS-HY-120-ME-DW-0002

29-vendor shall specified Distance between Lifting lugs Noted will be issued

33-Codes and standards for pressure parts shall be specified in notes Its issued in relative document.



35-a DWG of suc & disc valves with materials shall be shown Check BK-GCS-HY-120-ME-DW-0003


34-lifting lug details shall be provided Please check BK-GCS-HY-120-ME-DW-0004

Note :

1. ALL DIMENSION & COORDINATES ARE IN MILLIMETER OTHERWISE NOTED.
2. The dimensions given are for the center of gravity excluding the Electrical Motor

Legend :

V02	FEB.2024	IFR	HAVAYAR Co	M.Fakharian	S.Faramarzpour	
V01	JAN.2024	IFR	HAVAYAR Co	M.Fakharian	S.Faramarzpour	
V00	JUN.2023	IFR	HAVAYAR Co	M.Fakharian	S.Faramarzpour	
REV.	DATE	P.O.I.	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES						
PROJECT NO.: ---						
EPC CONTRACTOR:			EPC/EPD CONTRACTOR:			
<div> HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES</div>			<div> PETROIRAN DEVELOPMENT COMPANY</div>			
DRAWING TITLE: Compressore Package General Arrangement						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
N.T.S.C.	A3	BK-GCS-HY-120-ME-DW-0001			2 OF 3	V02



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**BINAK OILFIELD DEVELOPMENT
SURFACE WORK PACKAGES**

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION		BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.

		SHEET	REV

