



**DEHDASHT PETROCHEMICAL INDUSTRY COMPANY**  
**DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT**



<b>Contract No.: DPIC/98-12</b>	<b>DOCUMENT TITLE: Spare Parts List for 2-Year Operation</b>	<b>POI: IFA</b>	<b>Rev.: D0</b>
	<b>DOCUMENT No: DPIC9812-000-VD-1002-ME-LST-0059</b>	<b>Sheet 1 of 5</b>	

- Instrument 2-Years Spare part list will be finalized after receiving relevant Documents (PID , Data sheet,..)  
 - ANNEX 1K-11 shall be followed

## Spare Parts List for 2-Year Operation

PURCHASER'S COMMENT/APPROVAL STATUS						
1	AP: Approved (Released for Manufacturing)				Purchaser: NARGAN	
2	AN: Approved With Minor Comments (Fabrication may Proceed)				Requisition No.: DPIC98-12-001-000-ME-MR-4150-0001-D1	
X	NF: Approved With Comments (Fabrication not Proceed)				Item No. (Tag No.): PK-6101	
4	RJ: Rejected				Vendor Doc. No.: DPIC9812-000-VD-1002-ME-LST-0059	
5	NR: Not be Returned					
Date:	03.01.2022	Signature:	A.AB			
D0	21-Dec-21	IFA	M.R	M.M	A.V	
<b>REV.</b>	<b>DATE ISSUE</b>	<b>Purpose of Issue</b>	<b>PREPARED</b>	<b>CHECKED</b>	<b>APPROVED</b>	



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**POI: IFA**

**Rev.: D0**

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**Sheet 2 of 5**

**TABULATION OF REVISED PAGES**

Page	Rev-D0	Rev-D1	Rev-D2	Rev-D3	Rev-D4
1	x				
2	x				
3	x				
4	x				
5	x				
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Page	Rev-D0	Rev-D1	Rev-D2	Rev-D3	Rev-D4
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## **GUIDELINES FOR THE COMPLETION OF THE SPARE PARTS INTERCHANGEABILITY RECORD (SPIR)**

The manufacturer/supplier shall complete the following parts of the SPIR form as per listed sequence and in the English language:

- Line 1 : PLANT registration/item number or tag number of equipment/instruments, etc. as stated or requisitions and/or Orders,
- Line 2 : Model, type or other identification of equipment/instruments, etc. ordered.
- Line 3 : Serial number of each equipment instruments, etc. ordered.
- Line 6 : Order number reference of equipment/instruments, etc.
- Column 6A : Unit of measure, i.e. No., set, pair, kg, roll, etc.
- Line 4 : Number of identical equipment, etc. of particular model or type being supplied against Order number mentioned under line 6.
- Line 5 : Enter in appropriate square the number of parts (listed in column) fitted in each applicable unit. For groups of identical units, denote quantity per unit below quantity shown in line 4.
- Column 7 : Total number of identical parts listed in column 8 for all equipment, etc. For identical units multiply quantity in line 5 by number in same column in line 4 and enter overall total of each line in column 7.
- Column 8 : Parts description of all component parts considered by supplier as being required for maintenance of equipment, etc. listed in lines 1, 2 and 3. However, all item specified in the appropriate equipment list shall be shown separately.
- Column 8A : For consumables (catalysts, adsorbents, resins, lubricants, etc) maximum shelf time to be indicated.
- Column 9 : Drawing number/part number as per suppliers parts list or drawing.
- Columns 10A : Part identification number showing interchangeability within equipment manufacturer's organization.
- Note : Identical parts, regardless of whether they have the same part number or drawing number, should be shown only once (see also line 5).
- Columns 10B : Original identification number for all items of third party manufacture -bought-out items) such as: ball/roller bearings, mechanical seals, couplings, bearing lock nuts, bearing lock washers, V-belts, Bolts/nuts, gaskets, O-rings, and the like. These items should be fully identified by manufacturers' numbers, types, sizes, etc.
- V - for : Vital equipment, a breakdown of which would mean an immediate and serious interruption of vital operations in field or plant and with which no risk in the ordering and stocking of spare parts can be justified.
- E - for : Essential equipment engaged in primary operations, but with which a calculated risk can be taken in ordering and stocking of spare parts.
- A - for : Auxiliary, general purpose and stand-by equipment, for secondary operations, the temporary lack of spare parts would not have a serious effect. Under this heading also comes the equipment of, which there is a large number of units in used, thus ensuring a sufficient degree of protection in case of failure of one or more units.
- Column 11 : Material specification of parts listed in column 8.
- Column 12 : Supplier's name for items shown in column 10B.
- Column 13 : Quantity of capital spare parts already ordered at date of placement of the Order of the relevant equipment, and in compliance with the contract.
- Column 14 : Quantity of precommissioning, commissioning & start-up spare parts already ordered at date of placement of the Order of the relevant equipment, and in compliance with the contract.
- Column 15 : Total spare parts recommended for 2 years operation and commissioning period.
- Column 19 : Unit price (up to two decimals) for recommended spare parts of column 15.

### **THE MESCS (Material Equipment Standard Code) PROJECT TEAM SHOULD COMPLETE THE FOLLOWING PART OF THE SPIR FORM**

- Column 17 : For the classification of spare parts, i.e. :
- C - for : Parts wearing out or deteriorating during normal operations, thus shown a fairly regular consumption.
- Q - for : Parts not normal stocked, but ordered on request only.
- I - for : Insurance items.
- O - for : Temporary code number.

### **The OWNER's project engineer should complete the following part of the SPIR form:**

- Column 18 : Final quantity to be ordered and Approved by the OWNER's Project Engineer.
- Column 21 : For allocation of the final MESCS number.

### **THE CONTRACTOR SHALL COMPLETE THE FOLLOWING PART OF THE SPIR FORM:**

- Column 16 : CONTRACTOR'S recommended spare parts for 2 years operation.
- Column 20 : Total price (up to 2 decimals) of the spare parts for 2 years operation and the commissioning period based upon the quantities approved by the OWNER's Project Engineer (see column 18).

NOTE : Columns 18, 17 and 21 should be left blank, these are for OWNER's use.

IMPORTANT NOTE : The necessary provisions shall be made to fix the prices of spare parts for all EQUIPMENT AND MATERIALS for future purchasing of the spare parts by OWNER more than that which shall be purchased by CONTRACTOR for two years operations of the PLANT.

NARGAN Project No.: PK-6101

Owner Contract No. : DPIC/98-12

NARGAN Doc. No.: DPIC9812-000-VD-1002-ME-LST-0059

Owner Doc. No

## 2 YEARS SPARE PARTS LIST

- Notes:**
- 1) If an equipment in the package shall be filled in with number of parts between two or more unit it should be listed once with quantities, design, specification etc.
  - 2) Quote part numbers showing interchangeability within equipment manufacturer.
  - 3) Quote original identification numbers for items of third party suppliers of manufacturer items such as ball bearings, V-belts, mechanical seals, coupling, instruments, fuses, relays, etc.
  - 4) Quote supplier's name for items shown in column 10B.

this column shall be revised as per ANNEX 1K-11:  
 -Table 4 for rotary compressor.  
 -table 9 for vessel and exchanger  
 -table 10 for electrical items  
 -table 11 for instrument parts  
 -table 12 for piping

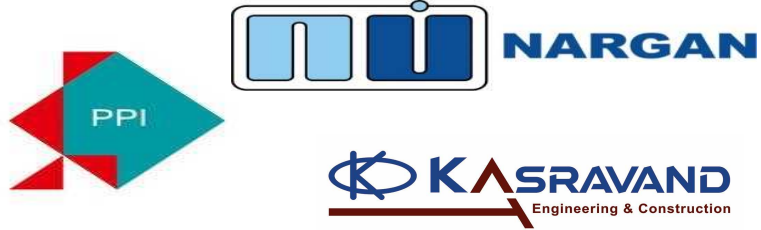
Authority block  
 Items of column 18 are authorized for use by:

SPIR No.:  
 Equipment: REFRIGERATION PACKAGE  
 Manufacturer:  
 Supplier:

23- Required on site date:

MESC No.:

1 Equipment Reg. or Tag No	2 Manufacturer's Model or Type ...	3 Manufacturer's Serial No.	4 No. Of Unit	5 NUMBER OF PARTS (PER UNIT)	Unit of measure Kg, No., Set, Roll, Pairs, ...	7 Total Number of identical parts installed	REMINDER: MANUFACTURER TO BE ATTACHED ALL DRAWINGS AND PART LISTS TO THIS FORM.							Initial Spare Parts		Spare parts for 2 years operation		Classification of parts	Quantity to be ordered	unit price	TOTAL PRICE	MESC n°
							MANUFACTURE'S / SUPPLIER'S DATA							13 capita/ spares as per contract	14 com. and recom. spare as per contract	15 Recommend by Manufacturer	16 Recommend by CONTRACTOR					
							DESCRIPTION OF PARTS		8A Shelf Time for Consumables	9 DRAWING Number	10- PART NUMBER		11 Third Party Supplier (See note 4)									
Slow wearing parts and also all parts recommended to be kept in stock for normal operation (See note 1)		Manufacturer's (See note 2)		Supplier (See note 3)																		
					6A	7	8	8A	9	10A	10B	11	12	13	14	15	16	17	18	19	20	21
					SET		COMPRESSOR GASKET SET(320 COMPRESSOR AF-GASKET SET)									1			1			
					SET		COMPRESSOR O-RING SET(320 COMPRESSOR O-RING SET (BUNA))									1			1			
					PCS		POTENTIOMETER (POTENTIOMETER 1.0K OHM)									1			1			
					SET		OIL PUMP GASKET SET(GASKET FLANGE)									2			2			
					SET		OIL PUMP O-RING SET(O-RING SET, M100P)									1			1			
					PCS		OIL PUMP MECH, SEAL ASSEMBLY(SHAFT SEAL ASSY, M100P)									1			1			
					PCS		SOLENOID VALVE(SOLENOID VALVE MYCOM-24DC 3/8" BSPT IP65)									1			1			
					PCS		SOLENOID VALVE BODY(EVRAT 10 SOLENOID VALVE NC, MANUAL OPERATION)									1			1			



# DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT



NARGAN Project No.: PK-6101

Owner Contract No. : DPIC/98-12

NARGAN Doc. No.: DPIC9812-000-VD-1002-ME-LST-0059

Owner Doc. No

5				PCS	SOLENOID VALVE COIL(COIL 20W 24VDC IP67 +TERM BOX FOR EVRA/EVM)												1				1					
				PCS	SOLENOID VALVE BODY(EVRAT 15 SOLENOID VALVE NC, MANUAL OPERATION)													1				1				
				PCS	SOLENOID VALVE BODY(SOLENOID VALVE PM1-25)													1				1				
				PCS	SOLENOID VALVE PILOT(EVM NC PILOT VALVE WITHOUT COIL FOR PM)													1				1				
				PCS	FUSE FOR CONTROL PANEL													2				2				
				SET	OIL COOLER SEAL SET													1				1				
				SET	CONDENSER GASKET SET													1				1				
				SET	ECONOMIZER GASKET SET													1				1				
				SET	INSPECTION HOLE GASKET													2				2				
				SET	HANDHOLE GASKET (GASKET, HAND HOLE COVER)													1				1				
				PCS	OIL FILTER ELEMENT(OIL FILTER ELEMENT)													2				2				
				PCS	OIL FILTER GASKET													2				2				
				PCS	GASKET SKID END OUTLET													1				1				
				PCS	PLC CARD DIGITAL INPUT													1				1				
				PCS	PLC CARD DIGITAL OUTPUT													1				1				
			PCS	PLC CARD ANALOGUE INPUT													1				1					
			PCS	PLC CARD ANALOGUE OUTPUT													1				1					

6	Order Ref. No.	<b>TOTAL PRICE:</b> _____										<i>Validity of Offer:</i> _____										Rev.00	Signature:
												<i>Delivery Time: 14 Months</i> _____										Date:20/12/2021	
																						Sheet No.	