



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



**Contract No.: DPIC/98-12**

**DOCUMENT TITLE: Spare Parts List for Commissioning & Start-up**

**POI: IFA**

**Rev.: D0**

**DOCUMENT No: DPIC9812-000-VD-1002-ME-LST-0058**

**Sheet 1 of 4**

All required and sufficient instrument spare parts for pre-commissioning, commissioning and start-up of the package shall be supplied by vendor.

## Spare Parts List for Commissioning & Start-up

### PURCHASER'S COMMENT/APPROVAL STATUS

Purchaser: NARGAN

- |                                     |  |
|-------------------------------------|--|
| 1                                   | AP: Approved (Released for Manufacturing)                  |
| 2                                   | AN: Approved With Minor Comments (Fabrication may Proceed) |
| <input checked="" type="checkbox"/> | NF: Approved With Comments (Fabrication not Proceed)       |
| 4                                   | RJ: Rejected   |
| 5                                   | NR: Not be Returned  |

Requisition No.: DPIC98-12-001-000-ME-MR-4150-0001-D1

Item No. (Tag No.): PK-6101

Vendor Doc. No.: DPIC9812-000-VD-1002-ME-LST-0058

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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## **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 MES (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 MES 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.



# 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-0058

Owner Doc. No

## Spare Parts List for Commissioning & Start-up

per each equipment in the package shall be filled in

- Notes: 1) If an item is interchangeable between two or more unit it should be listed once, including its characteristics such as dimensions, design, specification etc.  
 2) Quote part numbers showing interchangeability within equipment manufacturer's organization.  
 3) Quote original identification numbers for items of third party suppliers of manufacturer for bought out 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.

### 22- Authority block

Quantities of column 18 are authorized for

Purchase by:

Date:

### 23- Required on site date:

SPIR No.:

Equipment:

REFRIGERATION PACKAGE

Manufacturer:

KASRAVAND

Supplier:

MESC No.:

REMINDER: MANUFACTURER TO BE ATTACHED ALL DRAWINGS AND PART LISTS TO THIS FORM.

### MANUFACTURE'S / SUPPLIER'S DATA

1 Equipment Reg. or Tag No	2 Manufacturer's Model or Type	3 Manufacturer's Serial No.	4 No. Of Unit	5 Unit of measure Kg, No., Set, Roll, Pairs, ...	6 Total Number of identical parts installed	DESCRIPTION OF PARTS						Initial Spare Parts		Spare parts for 2 years operation		17 Classification of parts	18 Quantity to be ordered	19 unit price	20 TOTAL PRICE	21 MESC n°	
						8 Slow wearing parts and also all parts recommended to be kept in stock for normal operation (See note 1)	8A Shelf Time for Consumables	9 DRAWING Number	10- PART NUMBER		11 MATERIAL Specification	12 Third Party Supplier (See note 4)	13 capital spares as per contract	14 com. and Precomm. spare as per contract	15 Recommend by Manufacturer						16 Recommend by CONTRACTOR
									10A Manufacturer's (See note 2)	10B Supplier's (See note 3)											
				6A	7																
				SET			GASKETS FOR STRAINER							1			1				
				PCS			HANDHOLES GASKETS FOR OIL							4			4				
				PCS			TIE IN POINT GASKETS ( BATTERY LIMIT)							1			1				
				PCS			OIL FILTER ELEMENTS.							4			4				

shall be filled in for each equipment as per vendor documents detail

Following items has been agreed in bid stage and please revise spare part list as per agreement in bid stage:  
 -200% gasket and o-rings for each equipment in the package.  
 - 10% piping gaskets (min one set each type)  
 - 10% bolting (min one set each type)  
 - piping as required  
 In this regard, please prepare list for each equipment as per mentioned percentage and please provide number as per vendor DWG

**TOTAL PRICE:** \_\_\_\_\_

Validity of Offer: \_\_\_\_\_

Delivery Time: *The same time at Delivery time of Package*

Rev.00

Date:20/12/202

Sheet No.

... of ...

Signature: \_\_\_\_\_