

## Section VI - Technical Specifications

### Part I - Technical Specifications

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**Section VI - Technical Specifications****Part I - Technical Specifications****TS-1.0 GENERAL**

This specification covers the features and technical requirements for the **SUPPLY AND DELIVERY OF MECHANICAL SPARE PARTS & VARIOUS O-RINGS, GASKET AND COPPER FITTINGS FOR MAN 6L21/31 OF BASILAN DPP.**

All supplied spare parts shall be new and unused. They shall be suitable for the intended purpose and shall comply with all applicable regulations, quality, and dimension standards.

The Supplier shall accept full responsibility for his work including documentation, preparation for shipment, inspection, warranty provisions and compliance with the applicable codes and standards and the requirements of this Specification.

**TS-2.0 SCOPE OF WORKS**

The scope of work shall cover the **SUPPLY AND DELIVERY OF MECHANICAL SPARE PARTS & VARIOUS O-RINGS, GASKET AND COPPER FITTINGS FOR MAN 6L21/31 OF BASILAN DPP.**

**Schedule of Requirements of Spare Parts****S3-BAI21-020:**

ITEM	DESCRIPTION	PART NO.	QTY.	
1	High pressure pipe for MAN diesel engine	51404-12, # 117	5	PC.
2	Gasket, exhaust manifold for MAN diesel engine	510204-01, # 37	24	PC.
3	Air filter, turbocharger 185 CM X 25 CM X 1 CM for MAN diesel engine	-	24	PC.
4	Lube oil centrifugal filter for MAN diesel engine	51515-03, # 278	30	PC.
5	Connecting socket for fuel injection pump for MAN diesel engine	2131.637.309.4	5	PC.
6	Belt, compressor for MAN diesel engine	B-2388Li2428LW	15	PC.

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ITEM	DESCRIPTION	PART NO.	QTY.	
1	GASKET	2131.851.011.40N	24	PC
2	O-RING TUBE TYPE	2131.855.006.40N	30	PC

ITEM	DESCRIPTION	PART NO.	QTY.	
3	O-RING 17.47x3.53 FPM1-70	0610.017035.3.00N	20	PC
4	O-RING 16.04x3	2131.855.033.40N	50	PC
5	O-RING	2131.855.060.40N	30	PC
6	O-RING 234.32x5.33 FPM1-70	0610.234053.7.00N	30	PC
7	O-RING 266.07x7 FPM1- 70	0610.266070.7.00N	30	PC
8	O-RING	2131.855.029.41N	26	PC
9	O-RING 75.59x3.53 FPM1-70	0610.076.035.3.00N	12	PC
10	O-RING 139.07x5.33 FPM1-70	0610.139053.3.00N	12	PC
11	O-RING 215.27x5.33 FPM1-70	0610.215053.3.00N	6	PC
12	O-RING	2131.855.061.40N	24	PC
13	O-RING INJECTOR	0610.031026.3.00N	30	PC
14	FITTINGS, COPPER	2131.637.077.40N	6	PC

### TS-3.0 DELIVERY PERIOD AND LOCATION

The delivery period shall be **Ninety (90) CALENDAR DAYS** reckoned from receipt of Notice to Proceed.

The spare parts shall be delivered to **SPUG-MOD Warehouse, Zamboanga City.**

The Supplier shall be responsible for visiting the site and take particular reference to its accessibility, means of communication and transportation, and all other factors that could hamper the smooth execution of the contract.

Any and/or all expenses arising through the lack of knowledge or understanding regarding the existing conditions of the site shall be the responsibility of the Supplier and no additional payment thereof shall be made by NPC.

### TS-4.0 ACCEPTANCE CRITERIA

The Supplier shall perform at his own expense all inspection required to ensure adequacy of design, material, workmanship and conformance of the supplied spare parts to the requirements of the specifications and standards.

Necessary inspections at the place of delivery shall also be conducted with the presence of NPC representative.

Upon arrival of spare parts at delivery site, NPC and the Supplier or their authorized representatives, shall jointly verify the spare parts following the steps below:

- a. Inspection and verification of the packing list;
- b. Visual inspection of the condition of the packing and its surfaces; and
- c. Partial opening of the crates and plastic sheet protection of spare parts to verify the content and its physical condition and to check pilferage or damage during shipment and storage.

A record shall be prepared carefully noting all eventual shortages, defects or damages, signed by the Supplier and concurred by NPC. All shortages and damages noted shall be immediately replaced by the Supplier at his own cost and shall ensure the timely delivery of replacement without affecting the agreed overall contract implementation schedule.

Acceptance certificate shall be issued only after all the required inspection and verification are satisfactorily conducted and performed.

If any spare part fails to pass the inspection, NPC may at his own judgment, direct the Supplier to replace the spare parts.

#### **TS-5.0 DRAWINGS AND DOCUMENTS TO BE SUBMITTED**

- a. To be submitted with the bid

**a.1 Completely filled-out Technical Data Sheets.**

- a.2 Original copy of authorization to bid from any of the following:

a.2.1 Original Equipment Manufacturer (OEM).

a.2.2 Authorized Manufacturer/ Integrator/ Assembler of OEM Parts with corresponding Authorization Letter from the OEM to manufacture the OEM parts;

a.2.3 Licensee of the OEM with corresponding License issued by the OEM;

a.2.4 Distributor/Dealer, a Certificate of Authorized Distributorship/Dealership from the OEM or Authorized Manufacturer of OEM Parts or Licensee of the OEM. In case the Certificate of Authorized Distributorship / Dealership is issued by the Authorized Manufacturer of OEM Parts or Licensee of the OEM, it should be accompanied with corresponding Authorization Letter from the OEM per item (a.2.2) above.

(The authority can be acquired from OEM, Manufacturer of OEM Parts or Licensee of the OEM.)

***“In case the bidder(s) will participate for two (2) or more packages and using same OEM/Manufacturer shall submit only one (1) authorization. However, if will be using different OEM/Manufacturer, the bidder(s) will submit authorizations from appropriate OEM/Manufacturer per package”.***

b. To be submitted before/ during delivery of spare parts

b.1 “Certificate of Origin” from the Manufacturer.

b.2 “Warranty” Certificate for one (1) year against factory defects/workmanship.

#### **TS-6.0 GUARANTEE**

The Supplier shall guarantee the replacement of the supplied spare parts at his own expense against defect in design, workmanship and materials for a period of one (1) year after acceptance by NPC.

The Supplier shall submit a Warranty Certificate (at least 1 year) effective from the date of acceptance by NPC.