

TENDER SPECIFICATION SPARE PARTS FOR MAIN ENGINE (BRAND: PIELSTICK, CHINA) – BNS SANGRAM

1. **Name of the Equipment** : Main Engine.
2. **Purpose** : The item will be used for top overhauling of Engine.
3. **Quantity** : 130 Line Items (List Attached Encl-2)
4. **Country of Origin** : China.
5. **Manufacturer** : To be Mentioned.
6. **Source of Supply** : Name & full address of source of supply is to be mentioned.
7. **Brand** : Pielstick, China
8. **Model** : 16PA6V-280STC.
9. **Supplier/Local Agent** : Name & full address **with email** of supplier is to be mentioned.
10. **Principal/Distributor** : Name & full address **with email** of supplier is to be mentioned.
11. **Year of Manufacture** : 2024 or later.
12. **Port of Shipment** : To be mentioned.
13. **Mode of Shipment** : To be mentioned.
14. **Manufacturer Name and Address** : To be mentioned.

15. **Bidder's Qualification.** The Supplier must be enlisted at DGDP. The supplier must be commercially competent in trading technical stores. The concerned supplier is expected to have adequate knowledge in understanding all the technical criteria and ability to fulfill those in clear terms given in the indent. The supplier has to ensure that the source is either to be manufacturer or dealer/agent of the respective manufacturer (having clear existence in the manufacturer's authorization and website/fax & e-mail address) or sub-agent of the respective agent (having authorization from authorized dealer).

16. **Certificate and Document of Authentication.** The concerned supplier must provide following original certificate(s)/ document(s) as applicable with the quotation and during delivery of items as regard to the genuinity of source and item(s) in order to establish chain of links from the original source to supply items:

- a. One certificate by the Original Equipment Manufacturer (OEM) in favour of the local supplier (in case of OEM as principal).
- b. Two certificates, one by the OEM to authorized dealer/agent and other by the authorized dealer/agent to supplier (in case of authorized dealer/agent as principal).
- c. Three certificates, first one by OEM to authorized dealer/agent, second one by authorized dealer/agent to sub-agent and third one by sub-agent to supplier (in case of sub-agent as principal). If the supplier is unable to obtain the first certificate (by OEM to authorized dealer/agent), then it has to produce relevant document to prove agency-ship of its claimed agent of the recognized manufacturer.
- d. Except otherwise the spares is not manufactured by OEM then the certificate of spares' manufacturer or its authorized dealer/distributor may be considered subject to confirmation.

17. **Essential Requirement.**
- a. The bidder must mention it's full name and address along with the chain of concerned source(s) i.e. manufacturer, agent and sub-agent with the offer as applicable from whom it has to collect certificate(s)/ document(s).

- b. If the quoted part/ pattern no of item(s) is/ are dissimilar from the indented one because of recent modification or any other technical reason, then the supplier must provide an original certificate from manufacturer in favor of substitute and adequate information/ instruction in this regard, if so necessary. The offered spare shall perfectly match with the said model of the equipment; but if does not match, it will have to be replaced at free of cost including freight charge.
- c. The bidder is to quote the cost of each line item including number of units and unit price in clear terms. In case of partial order of quoted spare parts/ item(s), the total price will be calculated basing on number of units of each line item and unit price.
- d. The bidder/ local supplier is not allowed to supply from local obtained off the shelf or locally manufactured/ fabricated item.
- e. **Minimum Order of Quantity or Value:** To be mentioned (If item wise lowest bidder's price does not match with Minimum Order Quantity, then total offer will be treated as cancelled).
- f. The supplier cannot disagree to supply the items, if the acceptance is given for minimum 25% of total quoted price.
- g. Financial evaluation of offer will be done for each line item separately. Accordingly, acceptance for all or part of the quoted line items will be given to a single or a number of bidder(s). In doing so, if any supplier shows inability or disagrees to supply the ordered spares under para. The respective offer will be considered as "Technically Not Complied".
- h. The supplier must mention with its quotation about the requirement of End User Certificate (EUC), the format of which has been approved by Bangladesh Govt. In exceptional case (not expected), if the same EUC format does not serve the purpose, this is to be intimated in the quotation along with the format given by the source of supply.

18. **Guarantee and Warranty.**

- a. The supplier must ensure that all items are new and unused. The supplier must provide warranty for at least for 01 (one) year from the date of acceptance of the item(s) after satisfactory inspection, test, trial etc as applicable. If any defect/ discrepancy of any item arises within the period of warranty, the specific period from the date of notification of the defect/ discrepancy to the supplier up to the date of rectification of defect/ resolve of discrepancy will have to be deducted from the warranty period for that particular item(s).
- b. If any defect/ discrepancy arises, within warranty period, then the respective item(s) is/ are to be replaced at free of cost including freight within 03 (three) months from the date of notification of the same to the supplier. In this regard, the supplier must furnish an undertaking with the offer by stating, "I do hereby assure that we take the liability to replace all spare parts/ item(s) at free of cost including freight within three months from the date of notification about the defect/ discrepancy of the spare parts/ item(s) by the buyer, if it occurs within the period of warranty".
- c. For warranty repair/ replacement, the supplier will collect the defective portable item from NSD Chattogram/NSSD Dhaka and re-supply the same to collecting place after warranty repair or replacement.

19. **Shipment, Delivery and Inspection.**

a. **Shipment.** The items are to be delivered (**Without Import Duties**) within **09 (Nine)** months from the date of signing the contract to the following consignee.

The Commanding Officer	or	Officer In Charge
Naval Stores Depot		Naval Stores Sub Depot Dhaka
New Mooring, Chattogram,		Naval Unit Khilkhet
Bangladesh		Namapara, Dhaka-1229, Bangladesh

b. **Place of delivery.** NSD, Chattogram.

c. **Inspection Authority.** CINS, Chattogram.

20. Part shipment is not allowed.

21. LC will be opened for full contract value. However, payment will be made as per following steps:

a. Payment of **60%** of total contract value will be made on submission of shipping documents.

b. Payment of remaining **40%** will be made after satisfactory acceptance of all the items i.e. after inspection/ test/ trial as applicable.

22. **Validity.** Offer must be valid up to **30 Jun 2026**.

23. **Packing.** Standard Packing.

24. **Liquidate Damage (LD).** As per DGDP Rules.

25. **Certificate/ Document.** Following certificates are to be provided as original from the manufacturer in regard to the supplied spares as new, unused and genuine at the time of delivery:

a. Authenticity and Genuineness Certificate.

b. Quality Assurance Certificate.

c. Warranty Certificate.

26. All terms and conditions of DGDP also remain valid. If any of the above terms and conditions contradicts with the terms and conditions laid down in the DGDP rules and regulations, the later shall supersede the same.

LIST OF SPARE PARTS FOR MAIN ENGINE (BRAND: PIELSTICK) – BNS
SANGRAM

Ser	Part No	Description of Item	Deno	Qty	Remarks
1.	00.652.1326.68	O' Ring for Valve Guide	No	128	
2.	76.018.0114.00	Inlet Valve Seat	No	64	
3.	26.018.0005.00	Snap Ring (Valve Guide)	No	8	
4.	26.018.0052.00	Exhaust Valve Seat	No	64	
5.	99.526.013.009	Piece (Collet)	No	8	
6.	26.018.0112.00	Inlet Valve	No	64	
7.	26.018.0087.00	Outlet Valve	No	64	
8.	26.018.0015.00	Pin (Valve Bridge Pad)	No	4	
9.	00.657.0800.03	Tappet Cover Seal/Gasket	No	32	
10.	99.361.1005.01	Sealant (For Tappet Cover Seal)	No	6	
11.	99.351.1250.00	Adhesion (For Tappet Cover Seal)	No	8	
12.	26.018.0023.00	Head Cover Screw	No	20	
13.	00.160.1611.05	Head Cover Screw Washer	No	20	
14.	26.018.0086.00	Stud (Safety & air Starting Vv Fixing Stud)	No	8	
15.	00.116.1202.08	Locking Nut (Safety & air Starting Vv Fixing Stud's Nut)	No	8	
16.	26.018.0095.00	Nut (Rocker arm & Inj Fixing Nut)	No	8	
17.	26.018.0043.00	Sphere Washer (Injector Flange Washer)	No	6	
18.	99.351.0300.00	Locking Compound 270	No	8	
19.	99.351.2000.00	Tightness Product 549	No	8	
20.	00.655.0593.68	O Ring (Injector Sleeve)	No	64	
21.	26.018.0109.00	Injector Sleeve	No	16	
22.	26.018.0210.00	Nut (Injector Sleeve Nut)	No	6	
23.	26040001200	Gasket (Intake Manifold)	No	32	
24.	26417801800	Push Rod	No	4	
25.	00.662.132.002	Flex Gasket (Cyl Head to Exhaust	No	40	
26.	00.662.186.001	Flex Gasket (Between Exhaust Manifold)	No	64	
27.	36.042.0025.00	Profile ring	No	12	
28.	28.042.4015	Slotted Self-Locking Nuts (Exhaust manifold Base)	No	24	
29.	156613/01	Expansion Bellows	No	4	
30.	574972/02	Gasket	No	8	
31.	156611/01	Expansion Bellows	No	2	
32.	490986/02	Gasket	No	6	
33.	156696/01	Expansion Bellows	No	2	
34.	26419910202	Starting Air Valve Assembly	No	2	
35.	00655034263	0 Type Expansion Joint MS29513/126 (Valve Cover Seal)	No	16	
36.	00661303901	Special Ring Expansion Joint 30.5/39.5 x 1.5 (Copper Gasket)	No	32	
37.	26019000603	Piston Ring	No	32	
38.	00172602822	Elastic Washer	No	16	
39.	99350131006	H type Nut M10	No	16	
40.	00.652.21.35.68	'O' Ring (Start Air Pipe Line)	No	16	
41.	26044031100	Gasket (Cyl Head Water Line Y Piece)	No	36	
42.	00652435363	'O' Ring (Water Line)	No	112	
43.	00001121308	Bolt (Long Bolt for Water Line)	No	12	
44.	99.350.1312.08	Nut-Tighten Type (For Water Line Long	No	10	
45.	00020120700	Bolt (Allen Bolt for Water Line Y Piece)	No	6	

Ser	Part No	Description of Item	Deno	Qty	Remarks
46.	26.020.8000.03	Injector Nozzle	No	32	
47.	98.608.1560.08	Helkoflex Gasket	No	64	
48.	00.660.2029.68	BS Sealing Ring (Cap Nut Washer)	No	64	
49.	00.661.0714.02	Gasket (Tie Rod Washer)	No	32	
50.	00.661.2032.02	Sealing Ring (Tie Rod Rubber Seal)	No	32	
51.	26.020.0051.64	Pipe/Tube (Tie Rod)	No	12	
52.	26.021.0008.00/	Safety Valve on Cylinder Head Body	No	6	
53.	99.920.1400.37	Sphere (Safety Valve Ball)	No	32	
54.	76.021.0001.00	Spring (For Ball)	No	10	
55.	26.018.9048.20/	Pressure Indicator Cock	No	32	
56.	98.815.1300.17	Gasket (Indicator Cock Seal Washer)	No	40	
57.	26424904400/76	Injector Pump (Complete)	No	2	
58.	00.652.18.35.68	O Seal ring (High pressure Pipe End Seal)	No	64	
59.	00.652.24.35.68	O Seal ring (Fuel pp Coupling)	No	32	
60.	GB899 M12	Bolt (Cooler Fixing Bolt)	No	10	
61.	99350131212	Nut (Cooler Fixing Nut)	No	10	
62.	280592002	Deep Gasket (Distance Place-Air Cooler)	No	10	
63.	99.360.0000.05	Sealing Compound (Air Cooler Base)	No	8	
64.	99.001.50.08.01	Screw (Fuel adj Screw)	No	16	
65.	00.100.08.02.05	Hexagon nut (for Fuel adj Screw)	No	16	
66.	00020100300	Allen Screw M10-30 STEEL 10.9 (For Fuel Control Lever Locking)	No	4	
67.	9980400001	Seal Gasket (HP Line Feed Line)	No	36	
68.	26027004000	Distributor Disc	No	2	
69.	99605102501	Expansion Joint (Shaft Bush)	No	2	
70.	26001001100	Bush (Ferrule Guide)	No	16	
71.	26001001900	Gasket (Upper Ferrule)	No	128	
72.	00652173568	O Ring AN17 (Lower Ferrule)	No	128	
73.	26.001.0214.00	Gasket (Push rod Seal)	No	64	
74.	76.012.0100.00	Diaphragm (Nozzle- Duel pin Type)	No	6	
75.	26.012.0000.13	Connecting Rod Bolt	No	8	
76.	26.012.0401.78	Connecting Rod Topper Half Bearing Shell	No	32	
77.	26.012.0401.79	Connecting Rod Lower Half Bearing Shell	No	32	
78.	26.0160.000.29	Cylinder Liner	No	6	
79.	00.6528.170.68	'O' Type Expansion Joint AN 80 (Liner	No	24	
80.	26.0180.032.00	Gasket (Cylinder Head)	No	36	
81.	99.3600.000.07	Sealing Product-Hylomar SQ32 (80ml/Tube	No	2	
82.	27.014.0409.97	Piston Assembly	No	2	
83.	26.014.0006.28	Chromium Plate Ring (Top Comp Ring)	No	32	
84.	26.014.0006.29	Tightness Ring (2nd & 3rd Comp Ring)	No	64	
85.	26.014.9000.81	Scraper Ring (Oil Ring)	No	64	
86.	26.014.0004.00	Stud (Piston)	No	128	
87.	26.014.0009.00	Spacer (Piston)	No	128	
88.	26.014.0006.00	Nut (Piston	No	128	
89.	00.653.2342.68	Seal MS29513/176 (Piston 'O' Ring)	No	32	
90.	00.201.0101.10	Elastic Ring 110x4 (Piston Cerclips)	No	8	

Ser	Part No	Description of Item	Deno	Qty	Remarks
91.	284482211	LO Pipe of Air Valve Tappet & Rock arm	No	12	
92.	00660121961	BS Seal Ring (LO Banjo Bolt Seal)	No	96	
93.	99631124086	Hollow Bolt (Banjo-LO)	No	8	
94.	26453801100	Injector Leaking oil Pipe	No	12	
95.	00661121703	Copper joint (Banjo Seal-Fuel & Air)	No	192	
96.	988.151.3000.5	Seal Ring (FO Gallery out Banjo Bolt Seal)	No	24	
97.	98.351.0330.02/	Loctite 243 (50ml/Tube)	No	6	
98.	99.351.9010.00/	Loctite T-7471(150ml/can)	No	12	
99.	26526901700	Cooling Water Thermostatic Valve	No	2	
100.	98.652.1350.27	Non-return check valve (From Fuel Filter to Delivery Line)	No	2	
101.	28.AFF.4007	Shim (Gasket of Non-Return vv)	No	4	
102.	28.449.4008	Colander 2099	No	2	
103.	28.449.4020B	Colander 2090	No	2	
104.	ICF30EL5	Plug Indicator for oil Filter	No	2	
105.	26131021100	Moatti Automatic oil Filter Type FMSNOI	No	2	
106.	98.640.9000.04	F150D.12/6. A03 Moatti Filter	No	2	
107.	76037011400	Water Pump Impeller (Water Pp)	No	1	
108.	2603790080A	Water Pump Shaft (Water Pp)	No	1	
109.	26037002976	Gasket Holder (Water Pp)	No	4	
110.	99601020450	Sealing Ring (Water Pp)	No	4	
111.	26037011400	Sealing Ring (Water Pp)	No	4	
112.	99603507301	Sealing Ring (Water Pp)	No	4	
113.	00201010100	Cerclips (Water Pp)	No	2	
114.	00200010040	Cerclips (Water Pp)	No	2	
115.	99050030451	Sealing Ring (Water Pp)	No	4	
116.	99501504023	Cylinder Roller Bearing (Water Pp)	No	4	
117.	99501104523	Cylinder Roller Bearing (Water Pp)	No	4	
118.	00652567068	'O' Ring (FW Pp)	No	4	
119.	00655110368	'O' Ring (FW Pp)	No	4	
120.	00652767068	'O' Ring (FW Pp)	No	4	
121.	21004	Piston Ring	No	4	
122.	25003	Piston Ring	No	4	
123.	32003	Gasket Ring	No	4	
124.	32001	Thrust Bearing	No	4	
125.	32100	Bearing CE Compl	No	4	
126.	34100	Bearing TE Compl.	No	4	
127.	34003	Gasket Ring	No	4	
128.	42025	O-Ring Gasket	No	4	
129.	81150	Silencer Disc Compl	No	4	
130.	81250	Air filters Half Compl	No	20	

Main Equipment

Main Equipment Name

Brand

Model

Manufacture Name & Address

: Main Engine

: S.E.M.T Pielstick

: 16PA6V-280STC.

: To be mentioned.

