

TENDER SPECIFICATION OF SPARE PARTS FOR DIESEL GENERATOR (BRAND: CATERPILLAR) –
BNS SHADHINOTA, BNS PROTOY AND BNS SANGRAM

1. **Name of the Equipment** : Diesel Generator.
2. **Purpose** : The spare parts will be used for routine maintenance of diesel generator.
3. **Quantity** : 105 Line Items (List Attached as Encl-2).
4. **Country of Origin** : USA.
5. **Country of Manufacturer** : USA, Austria, Belgium, Denmark, Finland, France, Germany, Italy, Netherlands, Spain, Sweden, Singapore, UK and Japan.
6. **Source of Supply** : Name & full address of source of supply is to be mentioned.
7. **Brand** : Caterpillar.
8. **Model** : C18 ACERT
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** : 2025 or later.
12. **Port of Shipment** : To be mentioned.
13. **Mode of Shipment** : To be mentioned.
14. **Original Equipment Manufacturer (OEM) Address:**

Caterpillar, INC. 3701 State Road,
 26 East, Lafayette, Indiana 47905-4856, USA.
 Tell : (954) 472 - 8204
 Fax : (954) 472 - 4967
 E-mail : cat_intl@cat.com
 Website : https://www.caterpillar.com

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.



17. **Essential Requirement.**

- a. The bidder must mention its 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.



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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
Naval Stores Depot
New Mooring, Chattogram,
Bangladesh

or Officer In Charge
Naval Stores Sub Depot Dhaka
Naval Unit Khilkhet
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 CFR/CPT value. However, payment will be made as per following steps:

a. Payment of 60% of CFR/CPT 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 June 2027.

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.

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**LIST OF SPARE PARTS FOR DIESEL GENERATOR (CATERPILLAR)– BNS SHADHINATA, BNS PROTOY
AND BNS SANGRAM**

Ser	Part No	Description of Item	Deno	Qty	Equipment Serial No
BNS SHADHINATA					
1.	363-3891	Hose (Cooling system)	No	02	GEX00142, GEX00147 GEX00143, GEX00149
2.	363-3892	Hose (Cooling system)	No	02	
3.	362-8370	Hose (Cooling system)	No	02	
4.	363-7880	Hose (Cooling system)	No	02	
5.	363-7881	Hose (Cooling system)	No	02	
6.	364-3530	Hose (Cooling system)	No	02	
7.	364-3531	Hose (Cooling system)	No	02	
8.	372-3332	Hose Assembly (Cooling system)	No	02	
9.	290-1935	Filter Element Assembly Air (Primary)	No	04	To complete 500 hrs routine maintenance
BNS PROTTASHA					
10.	243-6718	Kit Crank Shaft Bearing	No	2	DG No.3-GEX00145 DG No. 4- GEX00150
11.	155-0809	Seal-Liner	No	12	
12.	155-2793	Seal-Liner	No	24	
13.	322-1126	Liner-Cylinder Block	No	12	
14.	9L-5854	Band Filler	No	12	
15.	142-2329	Seal (LO Drain)	No	2	
16.	227-1204	Gasket (For Spacer)	No	2	
17.	5P-0840	Seal 'O' Ring (LO In)	No	2	
18.	163-2478	Seal Valve Stem	No	48	
19.	224-5122	Gasket - (Cylinder Head)	No	2	
20.	117-8801	Seal 'O' Ring (Gear Train)	No	2	
21.	5E-8771	Seal 'O' Ring (Gear Train)	No	2	
22.	142-5868	Seal-GP-Crankshaft (Rear Fly Wheel Housing)	No	2	
23.	268-5589	Seal (Fly Wheel Housing)	No	2	
24.	216-5582	Bushing (STD)	No	14	
25.	268-5582	Seal (Fly Wheel Housing)	No	2	
26.	155-9524	Seal-Integral (Housing Front)	No	2	
27.	166-9144	Gasket (Housing Front)	No	2	
28.	353-5065	Gasket-Oil Pan	No	4	
29.	223-9159	Ring-Piston-Top	No	12	
30.	238-2707	Ring-Piston (Intermediate)	No	12	
31.	246-5659	Ring-Piston (Oil-Control)	No	12	
32.	112-3540	Seal 'O' Ring (Turbo Oil Line)	No	2	
33.	136-7227	Seal 'O' Ring(Turbo Oil Line)	No	2	
34.	5P-7530	Seal 'O' Ring(Turbo Oil Line)	No	2	
35.	6J-2245	Seal 'O' Ring(Turbo Oil Line)	No	2	
36.	6V-5266	Seal 'O' Ring(Turbo Oil Line)	No	2	
37.	6I-4953	Regulator Water Temperature(37°C)	No	2	
38.	3S-9643	Seal Lip-Type (For TRV)	No	4	
39.	6V-6707	Seal 'O' Ring (For TRV)	No	4	
40.	4J-5573	Seal 'O' Ring (For TRV)	No	4	
41.	5M-6509	Seal 'O' Ring (FW Flange In Thermostat Housing)	No	4	
42.	255-6863	Gasket (Turbo Out)	No	2	
43.	6I-2517	Gasket (Exht Manifold Water In)	No	2	
44.	129-9452	Gasket Exhaust Manifold	No	12	
	109-0072	Seal 'O' Ring (Exht Manifold Water Out)	No	4	



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Ser	Part No	Description of Item	Deno	Qty	Equipment Serial No
46.	7M-7273	Gasket (Turbo To Exht Manifold)	No	2	DG No.3-GEX00145 DG No. 4- GEX00150
47.	9X-7317	Seal 'O' Ring (Injector)	No	12	
48.	230-3728	Seal 'O' Ring (Injector)	No	12	
49.	230-3775	Seal 'O' Ring (Injector)	No	12	
50.	7E-6508	Cap As (Injector Connector)	No	4	
51.	253-0618	Injector-GP-Fuel (With Trim Code File)	No	12	
52.	206-6461	Piston Ring (Turbo Kit)	No	2	
53.	510-3678	Seal 'O' Ring (Turbo Kit)	No	2	
54.	5S-4546	Ring-Retainer (Turbo Kit)	No	2	
55.	211-6973	Seal Ring Piston (Turbo Kit)	No	2	
56.	215-3048	Bearing Thrust (Turbo Kit)	No	2	
57.	215-3050	Collar Thrust (Turbo Kit)	No	2	
58.	215-3048	Bearing-Journal (Turbo Kit)	No	4	
59.	510-3712	Ring-Retainer (Turbo Kit)	No	8	
60.	275-2276	Filter Element -Breather	No	2	
61.	290-1935	Filter Element As-Air (Primary)	No	2	
62.	109-0078	Seal 'O' Ring (Line Engine Oil)	No	8	
63.	3P-0650	Seal 'O' Ring (Line Engine Oil)	No	4	
64.	1B-7631	Gasket (Line Engine Oil)	No	2	
65.	330-4110	Seal 'O' Ring (Heat Exchanger & After cooler)	No	24	
66.	109-0077	Seal 'O' Ring (Oil Cooler & Water Pump)	No	10	
67.	3J-7354	Seal 'O' Ring (Aux Water Pump Line)	No	4	
68.	4J-5477	Seal 'O' Ring (Aux Water Pump Line)	No	4	
69.	1R-0749	Filter-Fuel (Advanced High Efficiency)	No	4	
70.	438-5385	Engine Fuel/Water Separator (Advanced High Efficiency)	No	2	
71.	228-7088	Seal 'O' Ring (SW PP Hose)	No	8	
72.	238-5082	Seal 'O' Ring (Fuel Line)	No	8	
73.	6V-9027	Seal 'O' Ring (Fuel Line)	No	8	
74.	327-4448	Valve Gt-Check (Fuel Pressure Reg Valve)	No	1	
75.	228-7100	Seal 'O' Ring (Sensors)	No	10	
76.	490-0100	Fuel pressure Snubber Valve	No	1	
77.	6V-6609	Seal 'O' Ring (Various Lines)	No	5	
78.	125-0434	Seal -Integral (Oil Cooler)	No	2	
79.	4N-3841	Gasket (Oil Cooler)	No	2	
80.	4F-5607	Seal 'O' Ring (Expansion Tank)	No	2	
81.	4J-5573	Seal 'O' Ring (Expansion Tank)	No	2	
82.	167-4407	Seal 'O' Ring (Expansion Tank)	No	2	
83.	109-0077	Seal 'O' Ring (Oil Cooler)	No	6	
84.	524-3160	Pump GP-Auxiliary Sea Water	No	1	
85.	362-3114	Kit-Water Pump (Sea Water)	No	2	
86.	4N-4405	Clutch As-Driver (Air Starter Pinion)	No	1	
87.	346-3277	Motor As (Air Starter)	No	1	
88.	7X-4782	Seal 'O' Ring (Air Starter)	No	2	
89.	1L-9063	Diaphragm (Air Reducing valve)	No	2	
90.	1L-9060	Button (Air Reducing valve)	No	2	
	1L-9066	Screen-Strainer (Air Reducing valve)	No	2	



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Ser	Part No	Description of Item	Deno	Qty	Equipment Serial No
BNS SANGRAM					
92.	438-5385	Filter as Water	No	16	<u>DG No.1-</u> GEX05253 <u>DG No.2-</u> GEX05254 <u>DG No.3-</u> GEX05255 <u>DG No.4-</u> GEX05256
93.	IR-0749	Filter Fuel	No	32	
94.	1906560	Belt- Serpentine	No	04	
95.	329-8797	Belt- Tensioner	No	04	
96.	290-1935	Filter Element as Air	No	04	
97.	279-2475	Fume Disposal Element	No	16	
98.	431-0053	Hose for cooling system	No	04	
99.	363-3892	Hose	No	04	
100.	363-7880	Hose	No	04	
101.	363-7881	Hose	No	04	
102.	8T-4984	Clamp- Hose	No	64	
103.	363-7037	Hose	No	04	
104.	339-7762	Hose	No	04	
105.	IR-1808	Filter Engine Oil	No	32	

Main Equipment

Main equipment	: Diesel Generator.
Brand	: Caterpillar.
Model	: C18 ACERT
Manufacturer address	: Caterpillar Co, USA.
Year of Manufacture	: 2017
Address of Manufacture	: Caterpillar, USA
Tel	: +1(309) 675-2337, +1(888) 614-4328