

TENDER SPECIFICATION OF PORTABLE INDUSTRIAL DIESEL GENERATOR (250KW) WITH ACCESSORIES- BN DOCKYARD/ YARD SERVICE (L) AND BN DOCKYARD MONGLA

INTRODUCTION

1. For better understanding and to evaluate all the prospective BIDDERS on same platform, the tender specification has been divided into three parts:
 - a. **Part-1:** General Information and BIDDER'S Responsibility.
 - b. **Part-2:** Operational and Technical Specification.
 - c. **Part-3:** General Terms and Conditions.
2. Prospective BIDDERS are to comply with the requirements and terms & conditions mentioned in Part-1, Part-2, and Part-3 of the tender specification. BIDDERS are also to provide performance/ technical data, brochure, specific figures, and information as asked against each condition.
3. Prospective BIDDERS are to submit their offer in two envelopes:
 - a. Technical Offer.
 - b. Financial Offer.
4. BIDDER shall comply all the terms and conditions of the tender documents as compliance statement by the Bidder under the following tabular format:

Tender Article No	Description of Terms and Conditions (as mentioned in Part-1, Part-2 and Part-3 of the Tender)	Compliance/ Remarks by Principal/ manufacturer (To be agreed/ To be mentioned with detail explanations)

The financial quote is to be submitted separately in foreign currency on FOB basis, but compliance/remarks are to be indicated in the technical offer.

PART I: GENERAL INFORMATION AND BIDDER'S RESPONSIBILITY

5. Bangladesh Navy (BN) plans to procure two complete sets of Portable Industrial Diesel Generator (250KW) with accessories (herein after called as 'Genset').
6. **Installation Site.** Onboard BN Dockyard (Yard Service 'L') and BN Dockyard Mongla at Chattogram and Mongla Naval Area.
7. **Site Visit Prior Tender Submission.** Supplier may visit the installation site to estimate installation materials and works involved in installation including Generator Control Panel and Cables before submission of tender. Moreover, bidder shall have to send application for relevant personnel selected for site visit to BN for security clearance 04 (Four) weeks prior to site visit.
8. **Qualification of Bidder.** Manufacturers of Portable Industrial Diesel Generator (250KW) with accessories or their authorized distributor/ agent can submit quotations through their authorized local agent enlisted in DGDP. In case of offer from foreign trading company/ distributor/ agent, certificate of dealership/ agencyship from Original Equipment Manufacturer (OEM) is to be submitted with the offer. In this regard the following certificates are to be submitted with the offer (if not OEM):
 - a. Authorization Certificate from OEM.
 - b. Supply Assurance Certificate from OEM.
9. **Compliance Statement.** A compliance statement fulfilling all the requirement of the tender is to be submitted for evaluation of the quotations. Stating mere 'Yes or No' shall not suffice and detailed evidence with description/ information, brochures/ booklet, drawing and diagram as required is to be given. An incomplete compliance statement may attribute to cancellation of the offer. If any clause of this specification does not commensurate with offered item, the deviation is to be spelt out clearly.

10. **Equipment Manufacturer and Reliability/ Requirement.** The newly installed items should be brand new, unused and of recent model, proven reliability in the field of operation. The supplier shall ensure the continuity of the operation and availability of necessary spares for at least 15 years each in case of obsolete model over time.

11. **Condition for Acceptance of Quotation.** The quotation has to have supporting documents (booklets, catalogues, brochures etc) with details about offered equipment/ item. If detailed information regarding specifications, manufacturer's manuals and catalogue for the quoted equipment/ items are not provided the quotation may not be accepted.

12. **Acceptance/ Rejection of Bid.** DGGP/ BN reserves the right to accept or reject any bid or to terminate the bidding process and reject all bids at any time prior to the contract award (without thereby incurring any liability to the BIDDER).

13. **Validity.** The offer is to remain valid till 30 June 2025.

PART- II: OPERATIONAL AND TECHNICAL SPECIFICATION

14. **Name of the Equipment.** Portable Industrial Diesel Generator (250KW) with accessories.

15. **Purpose.** The Generator sets will be capable to generate and distribute electric power. The Generator power will be used to provide electric power to BN Dockyard workshops and as per requirement of BN.

16. **Quantity.** 02 (Two) complete sets.

17. **Original Equipment Manufacturer (OEM).** Name & Full address with telephone number and e-mail of OEM to be mentioned.

18. **Principal/ Supplier/ Bidder.** Name & Full Address with telephone number and e-mail of Principal/ Supplier/ Bidder is to be mentioned.

19. **Local Agent.** Name & Full Address with telephone number and e-mail of Local Agent is to be mentioned.

20. **Year of Manufacturing.** 2024 or later.

21. **Classification Standard.** The offered Gensets (Prime Mover and Alternator) and associated accessories supplied under the scope of the supply are to be designed, constructed/ manufactured and tested up to the requirement of IEEE/ IEC/ ISO or other equivalent internationally recognized standards. The applicable classification standard(s) of offered items are to be mentioned and all the relevant certificates are to be submitted with the offer in English.

22. **Scope of Supply.** The Gensets are to be supplied as per the specifications enumerated in the subsequent paragraphs. The Generator set and associated accessories should be complete with all standard accessories, ready in all respect for operation after installation onboard. The scope of supply **each gensets** shall include (but not limited to):

a. 01 x Complete Gensets with Associated Accessories are as follows:

- (1) Complete Gensets (As per Para 24a(1)).
- (2) Prime Mover (Engine) (As per Para 24a(2)).
- (3) Alternator (As per Para 24a(3)).
- (4) Generator Control and Monitoring Panel (As per Para 24a(4)).
- (5) Changeover Switch (04 Poles) (As per Para 24a(5)).
- (6) Trailer (04 Wheel, 2 Rest) with Accessories (As per Para 24a(6)).
- (7) Standard Accessories (As per Para 24a(7)).

b. Necessary Cables (Power (4 Core 95 RM) and Control Cable) for connecting as necessary among Gensets, Generator Control and Monitoring Panel (As per Para 24b).

- c. Certificates and Reports (As per Para 24c)
- d. Manuals/ Documents (As per Para 24d).
- e. Spares (Optional) (As per Para 25).
- f. Factory Acceptance Test (FAT) (As per Para 26).
- g. Local Training (As per Para 27).
- h. Installation, supervision and Setting To Work (STW) (As per Para 28).
- j. Test/ Trial and Acceptance (As per Para 29).

23. **Additional Feature Offered by Bidder.** The bidders may suggest and offer additional features for the Gensets. In this case, Bidders have to explain the detailed advantage of that/ those features of the Generator sets.

24. **Technical Specifications.**

a. **Complete Genset with Associated Accessories.**

(1) **Specification of Complete Gensets.**

Ser	Description	Remarks
(a)	Country of Origin and Manufacturer (Assembler)	Genset & Control/ Monitoring and Other parts/ accessories. EU country/ Finland/ Japan/ Sweden/ Turkey/ USA/ UK (Country to be mentioned).
(b)	Type	To be mentioned.
(c)	Brand	To be mentioned.
(d)	Model	To be mentioned.
(e)	Operating Environment of Generator Set.	
	i. Ambient air temperature	+5 ^o C + 50 ^o C
	ii. Relative humidity	Up to 95% (non condensing)
(f)	Power factor	0.8 Lagging.
(g)	Output	415V, 50Hz, 3 Phase, 4 wire, 250KW, 1500 RPM.
(h)	Overall Dimension and weight of Generator set	To be mentioned.
(j)	Canopy	i. Should be Sound and water proof. ii. Noise level: To be mentioned. iv. Dimension: To be mentioned. v. Material: To be mentioned.
(k)	Type of Coupling (Prime Mover and Alternator)	Details to be mentioned.
(l)	Combined Base Frame	The Prime Mover and the Alternator are to be mounted on a combined base frame to be rigidly fixed to the Generator seating. Lifting eyes are to be provided for lifting the complete Generator Set with canopy.
(m)	Mounting	The Generator set is to be elastically mounted on the common base frame. The generator set to be fixed on a trailer.
(n)	Loading Condition. The AC Genset will be subjected to sudden high inductive loads like 3 phases induction motor not more than 60 KW where starting transient current will be high. Under such circumstances, the output voltage should remain sufficiently stable. The generator must be capable to undertake maximum load at 50Hz frequency. The Governor and AVR system must be highly responsive and should meet the following conditions :	
	i. Voltage.	
	(i) Voltage transient tolerance: +25% to -20% or better (To be mentioned).	

<p>(ii) Voltage transient recovery time: Max 6 sec or better (To be mentioned).</p> <p>(iii) Voltage Regulation: Within $\pm 5\%$ or better (To be mentioned).</p> <p>ii. Frequency.</p> <p>(i) Frequency transient tolerance: +12% to -10% or better (To be mentioned).</p> <p>(ii) Frequency transient recovery time: Max 5 sec or better (To be mentioned).</p> <p>iii The above transient Conditions must be maintained under following load change:</p> <p>(i) Load Changes from 0 to 50%.</p> <p>(ii) Load Changes from 50% to 100%.</p> <p>(iii) Load Changes from 100 to 0%.</p> <p>Note: Graphs showing various characteristics and response of transient voltage and frequency variation are to be submitted with the FAT Report.</p>
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(2) **Specification of Prime Mover (Engine):**

Ser	Description	Remarks
(a)	Manufacturer (OEM)	Manufacturer of Prime Mover should be as following: Wartsilla, Finland/ Scania Marine Engine, Sweden/ Caterpillar, USA/UK / SEMT Pielstick, France/ MAN Diesel, Germany/ MTU, Germany/ Moteurs Baudouin, France (To be mentioned).
(b)	Type	To be mentioned.
(c)	Brand	Wartsilla/ Scania Marine Engine/ Caterpillar/ SEMT Pielstick/ MAN Diesel/ MTU/ Moteurs Baudouin
(d)	Model	To be mentioned.
(e)	Country of Origin and Manufacturer	Finland/ France/ Germany/ Sweden/ USA/ UK (To be mentioned).
(f)	Year of Manufacture	2024 or later.
(g)	Shut down system	Details to be mentioned (Including emergency shutdown).
(h)	Lub Oil to be used	To be mentioned.
(j)	Starting System.	Battery Started (New battery to be provided with the Genset. Battery brand, model and capacity to be mentioned).
(k)	Maintenance Schedule/ Overhauling.	
	i. Major Overhauls	10000 hour or more (To be mentioned).
	ii. Top Overhauls	5000 hour or more (To be mentioned).
	iii. Other Maintenance routine	To be mentioned.
(l)	Safety Devices	Following safety protections are to be incorporated: i. Engine over speed. ii. High Engine temperature. iii. Low Engine oil pressure. iv. Others to be mentioned (if any).

(3) **Specification of Alternator:**

Ser	Description	Remarks
(a)	Manufacturer (OEM)	Manufacturer of Alternator should be as follows: Leroy Somer, France/ Stamford, UK (To be mentioned).

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(b)	Type	To be mentioned.
(c)	Brand	Leroy Somer/ Stamford (To be mentioned).
(d)	Model	To be mentioned.
(e)	Country of Origin and Manufacturer	France/ UK (To be mentioned).
(f)	Year of Manufacturer	2024 or later.
(g)	AVR	Electronic Type.
(h)	Insulation Class	F or Better.
(j)	Safety Devices	Following safety protections are to be incorporated: i. Over load protection. ii. Short circuit protection. iii. Under frequency indicator. iv. Excitation loss indicator. v. Reverse power protection. vi. Any others to be mentioned.

(4) **Generator Control and Monitoring Panel.**

(1) Followings are to be incorporated:

- (a) Multifunction digital control with display.
- (b) Both manual and automatic start & stop facility.
- (c) Others (if any) to be mentioned.

(2) **Digital Meter Panel.** Followings are to be incorporated:

- (a) Generator Volt meter (Phase to Phase and Phase to Neutral).
- (b) Generator Amps meter (for line current measuring).
- (c) Generator Frequency meter.
- (d) Engine oil pressure gauge.
- (e) Running hour meter.
- (f) Battery voltage indicator meter.
- (g) Others (if any) to be mentioned.

(5) **Specification of Changeover Switch (04 Poles):**

Ser	Description	Remarks
(1)	Type	To be mentioned.
(2)	Brand	To be mentioned.
(3)	Model	To be mentioned.
(4)	Country of Origin and Manufacturer	To be mentioned.
(5)	Year of Manufacturer	2024 or later.
(6)	Rated voltage .	380~440 V AC.
(7)	Ampere Rating	500 Amps.
(8)	Ingress Protection	IP 23 or better.

(6) **Trailer (04 Wheel, 2 Rest) with accessories (Locally Supplied).**

Ser	Description	Remarks
(1)	Feature	The trailer shall have 04 (four) wheel with 02



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		(two) rest, hand brake and arrangement to pull truck/ jeep (Details to be mentioned including brake system) which is able to carry and suitable for the offered genset and 50mtr cable considering max. load and dimension.
(2)	Platform material	Wood coating, treated with preservative.
(3)	Type of tyre	To be mentioned.
(4)	Year of Manufacturer	2024 or later.
(5)	Weight & Dimension	To be mentioned.

(7) **Standard Accessories.** Standard accessories must include every item and accessories, which are essential to make the offered gensets operational with full functionality, whether those are mentioned in the specification or not are to be supplied by the bidder within the scope of the supply. Any such accessories, kit and items associated to operate the said equipment in full functionality are to be mentioned clearly with purpose and submit with offer mentioning item wise price.

b. **Cables.** The supplier is to provide necessary high quality Power and Control Cable for Generator sets for all power & control/ monitoring connections. **Actual requirement of cable are to be assessed by the supplier on site visit and to be submitted with the offer.** Details of various cable specification and unit price (per meter) is to be quoted separately. Moreover Power cables should have the following configuration:

- (1) Suitable for the offered genset.
- (2) 4 Core 95 RM Flexible rubber insulated cable.
- (3) Class 5/ Class 6 Extra flexible copper conductor.
- (4) Qty: 50 mtr Cable (Local/ Foreign).

c. **Certificate and Reports.**

(1) Following certificates and reports are to be provided in English for each item including associated equipment/ accessories **with the offer**:

- (a) 'Type approval certificates' of classification society (As per para 21).
- (b) Supply Assurance Certificate.
- (c) Guarantee and warranty certificates.
- (d) After sales service support certificate.

(2) Following certificates and reports are to be provided in English for each item including associated equipment/ accessories **during delivery**:

- (a) 'Type approval certificates' of classification society (As per para 21).
- (b) 'Quality assurance certificates' for each item and their associated equipment and instruments from OEM is to be provided.
- (c) 'FAT Certificates'.
- (d) Certificate of genuine product and brand-new item.
- (e) Supply Assurance Certificate.
- (f) Guarantee and warranty certificates.
- (g) After sales service support certificate.

d. **Manuals/ Documents.** 01 (One) set of following documents and manuals in English are to be provided for each genset at free of cost at the time of delivery:

- (a) Operating Manual of the Prime Mover and Alternator.
- (b) Technical Manual with Circuit Diagram.
- (c) Maintenance Manual of the prime mover and alternator.



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- (d) Parts Catalogue of the Prime Mover and alternator.
- (e) Circuit diagram of the AVR.
- (f) Electrical wiring diagrams and faultfinding flow charts of the alternator.

25. **Spare (Optional).** A list of the following spares (optional) is to be quoted separately with item wise unit price. The buyer may select the any of the spares as required from the list:

Ser	Name of Item	Quantity	Unit Price
a.	AVR	01	To be mentioned
b.	ACB with appropriate ratings	01	
c.	Oil Filter	01	
d.	Fuel Filter	01	
e.	Air Filter	01	
f.	Belt (As applicable)	01	

26. **Factory Acceptance Test (FAT).** Following FAT(s) criteria to be carryout in OEM or manufacturer of prime mover/ alternator/ assembler premises for the offered gensets:

- a. FAT shall be carried out by a team of 02 (Two) BN members for duration of 05 (Five) working days in OEM premises at the buyer's expense. Both way air fare, accommodation and food for the FAT team shall be borne by BN. All types of movement/ transportation (air/sea/road) of the team within the manufacturer's country, reception and arrangement for entry into the country/ concerned area for the FAT are to be arranged by the supplier. The supplier should inform the buyer about the date of FAT (schedule) and FAT criteria at least 08 (eight) weeks prior to the date of FAT. FAT procedure shall be forwarded to the buyer 6 (six) weeks prior to the date of commencement of the FAT to the concerned directorate for approval of BN. Serial No of Prime Mover and Alternator are to be provided eight weeks before FAT. The cost of FAT in this respect is to be quoted in the offer.
- b. On return from the country of manufacturer, the FAT team will submit the report to concerned Directorate at Naval Headquarters. Naval Headquarters will, in turn, forward final decision along with FAT report, basing on which DGDP will render clearance for shipment of stores to the supplier concerned. The supplier will not make shipment of any item of the contract without clearance from DGDP.
- c. The FAT shall be carried out at manufacture's factory premises following approved FAT protocols. In this regard, the FAT protocol is to be approved by BN well in advance.
- d. During FAT, tests shall be carried out to fulfill the required condition mentioned in technical specification of the offered system. Various tests for checking performance are to be carried out and recorded. After FAT, a joint test report shall be prepared and signed by both the seller and buyer's representative.
- e. The FAT criteria in details is to be submitted, which should include the following:
 - (1) **Generator Load Tests.** Generators load test shall be carried out to fulfill the required condition mentioned at Para 24a(1)(n). Recording of voltage, frequency, transient voltage and frequency variation and recovery time shall be made to ascertain the specified condition.
 - (2) **Prime-Mover Test.** Factory Test Reports of prime mover are to be provided.
 - (3) **Tests of Alarm and Safety Devices.** Various test for checking temperature, pressure, fuel oil consumption etc. with recording of alarm and shutdown steps are to be carried out.
 - (4) **Test Report.** Test reports are to be prepared in English which will include all test results and other relevant information. Test report is to be submitted to BN before shipment.
- f. **Location of FAT.** Location of FAT with full address is to be mentioned.

27. **Local Training.** The supplier is to send one qualified representative who will provide operation and maintenance training in Bangladesh to BN personnel for duration of 03 (Three) working days for each genset after test, trial and commissioning of Gensets on separate training schedule for BN Dockyard (Yard Service 'L') and BN Dockyard Mongla at Chattogram and Mongla Naval Area. During training, emphasis shall be given on operation, maintenance and faultfinding of Prime Mover, Governor, Alternator, AVR and Generator sets Controller procedure and Control Circuit etc. Cost of transportation, accommodation and food of the supplier representative shall be borne by the supplier. Cost of onboard training is to be quoted separately. A set of detail training content is to be provided by bidder to BN 02 (Two) weeks prior to the said training. The training should include (but not limited to) the following:

- a. System composition, configuration, principle of operation and troubleshooting.
- b. Software installation (If required), operation and configuration for smooth conducting of all the tests.
- c. Theoretical concept and procedure of tests (practical).
- d. Repair and maintenance procedure.

28. **Installation, Supervision & Setting to Work (STW).** Installation, Supervision, and Setting to Work (STW) shall be done as following:

a. **Installation Material and Accessories.** All installation materials, test equipment/instrument, tools, cables, cable gland and other necessary accessories required for the installation, STW and supervision are to be provided by the supplier.

b. **Bidder/ Supplier Responsibility.**

(1) Installation of gensets with standard accessories and software installation (if required/ necessary) are to be done by supplier. As such, any accessories required for the operation and maintenance shall be provided by the supplier.

(2) The offered gensets and other accessories are to be installed by replacing the existing genset of the ship's and to be commissioned by the qualified OEM Engineers.

(3) The Supplier at no additional cost shall do any modification/ alteration (if required) to install the offered gensets as per scope of supply.

(4) Qualified OEM Engineers are to be employed for the installation and Setting to Work (STW) and commissioning. All types of expenses related with both-way airfare (to and from Bangladesh (installation site)), food, accommodation and internal travel of the OEM engineer during installation are to be borne by the supplier.

c. **Purchaser Responsibility.** Purchaser (BN) shall provide available assistance (if required) for installation under the direct supervision of OEM Engineer. BN Dockyard shall provide available work/ facility (if required) for installation. Support equipment may be provided (if available) from the user side upon request prior installation.

29. **Test/ Trial and Acceptance.** Test, Trial and Acceptance requirements are as follows:

a. **General.** The OEM Engineer shall ensure satisfactory tests, trial and functioning/ commissioning of the equipment at purchaser's premises after all necessary replacement. Necessary software installation (if required) shall be done before test/trial. All instruments and consumables for SAT (Site Acceptance Test) and Acceptance are to be provided by the supplier.

b. **SAT Protocol.** The SAT protocol/ procedures including schedule are to be submitted to BN 04 (four) weeks prior SAT.

c. **SAT.** Site Acceptance Test (SAT) shall be carried out at harbour on completion of Setting to Work (STW).

d. **Acceptance.** On completion of satisfactory Test/ Trial, Final acceptance certificate shall be signed by purchaser and supplier.

PART I : GENERAL INFORMATION AND BIDDER'S RESPONSIBILITY30. **Delivery.**

a. **Delivery and Installation Time.** Item delivery and installation shall be completed within 12 (Twelve) months and breakdown of said time line is appended below:

(1) **Delivery Time.** The items shall be delivered to the 'Place of Delivery' within **09 (Nine)** months after signing the contract.

(2) **Installation Time.** The Gengets shall be installed within **03 (Three)** months after delivery of the items.

b. **Place of Delivery:** NSD, Chattogram and NSD, Khulna.

c. In case of CFR/CPT, the supplier shall carry the items from any sea port/ air port (as applicable) to NSD, Chattogram and NSD, Khulna at the cost and risk of supplier.

31. **Shipment.**

a. **Source of Raw Material.** To be mentioned.

b. **Source of Supply.** The source of supply of the offered gensets shall be mentioned. It should be from the country of manufacturer or country of origin.

c. **Port of Shipment:** To be mentioned. The port of shipment shall be from the country of manufacturer or country of origin.

d. **Consignee.** The supplied item shall be 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
BIN-002349278-0503		

e. All items shall be brand new and to be delivered in seaworthy packing to ensure safe transit by sea. Certificates in this regard are to be provided during delivery.

f. All packages shall have packing notes showing their contents in detail and all packages shall be marked with the name and address of the consignee and gross weight.

32. **Warranty, Guarantee and After Sales Service.**

a. **Warranty.**

(1) 12 (Twelve) months manufacturer's warranty for trouble free operation shall be provided for the item from the date of acceptance by the purchaser. If any component and submit of the supplied items becomes defective during the warranty period, the overall warranty shall be extended automatically for the period of subject component remains defective.

(2) For warranty repair/ replacement, the supplier shall collect the defective item from NSD, Chittagong/ NSD Khulna/ NSSD, Dhaka (as applicable) and re-supply the same to collecting place after warranty repair or for replacement within 90 (ninety) days from the date of defect at no cost to the purchaser.

b. **Bank Guarantee (BG) for Warranty.** The BIDDER shall issue a Bank Guarantee (BG) during submission of last 20% payment for a value of **@ 05% (Five percent) of the total CFR/CPT value** from any scheduled bank in Bangladesh in favour of The Senior Finance Controller (Navy), Sailors Colony, Lalasarai, Mirpur-14, Dhaka-1206, representing Bangladesh Navy, Peoples Republic of Bangladesh, information to The Directorate General Defence Purchase, Ministry of Defence, Peoples Republic of Bangladesh. This BG shall remain valid until the warranty period of the supplied Gensets and other items (notwithstanding minor deficiencies which would be mutually settled and agreed between PURCHASER and BIDDER) in Bangladesh, and it shall expire on receipt of **Warranty Completion Certificate**. If the contractual obligation warrants the extension of the validity of the BG, the BIDDER shall remain

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liable to do so at its own cost. In case of material failure of the BIDDER to fulfill its contractual obligation as per the terms and conditions of the contract, the BG in full or part thereof may be forfeited at the discretion of the PURCHASER.

c. **Guarantee.** The supplier is to give guarantee of continued supply of spares for at least 10 (Ten) years at a reasonable price (not exceeding 3% per year). Certificate is to be submitted with the offer.

d. **After Sales Service.** After sale service should be available with the local agent of supplier and is to be provided as and when required for indefinite period or at least 15 years after the installation. If any system, equipment etc becomes obsolete or out of production during or after the installation period (at least upto 15 years), the supplier is to submit alternative of same/ improved version for selecting the suitable replacement.

33. **Terms of Payment.** Payment shall be made through an Irrevocable Letter of Credit (LC). LC shall be opened at the expense of the PURCHASER and 100% LC value shall be made operative in favour of Supplier. CFR/ CPT value being the value of the supplied goods, payment shall be made as under:

a. **1st Installment.** 80% of CFR/ CPT value shall be paid **after shipment of the Gensets with associates and standard accessories** and on submission of the following documents to the bank:

(1) Original Airway Bill (AWL)/ Bill of Landing (BL) must be issued by air lines/ shipping lines or authorized agent of shipping lines/ air lines against DGDP contract reference (after signing the contract). LC number, and Bangladesh bank registration number are to be mentioned in AWL/ BL. Freight amount must be shown separately otherwise only FCA value shall be paid. All documents to be submitted (01) original with at least (05) five copies other than bill of lading shall be (03) three original with (03) three copies. In addition to this, following shall also be considered:

(a) Name of the carrier must be indicated in AWL/ BL.

(b) Must be signed by carrier or a named agent for/ on behalf of the carrier.

(2) 'Supplier's Signed Commercial Invoice' for (freight/ services amount to be shown separately (if applicable)) representing 80% of CFR/CPT value as stated in the contract.

(3) "Packing List" signed by the authorized representative of the shipping company or exporter.

(4) "Certificate of Origin" signed by the Manufacturer's Authorized Person/Authorized Official of the exported country.

(5) 'Manufacturer's Certificate' Signed by the MANUFACTURER/ SUPPLIER. Certifying that product has been produced as per technical data/ analytical data and specification as per contract.

(6) "Manufacturer's Warranty Certificate" Signed by the MANUFACTURER/ SUPPLIER.

(7) "Factory Acceptance Test (FAT) Completion Certificate" signed by the SUPPLIER.

(8) 'Quality Assurance Certificate' (QAC) signed by the SUPPLIER.

(9) 'Shipment Clearance Letter' Signed by DGDP (Directorate General Defense Purchase, Dhaka, Bangladesh) as PURCHASER.

b. **2nd Installment.** 20% of CFR/CPT value shall be paid **after successfully commissioning** and on submission of the following documents to the bank:

(1) 'Supplier's Signed Commercial Invoice' for representing 20% of CFR/CPT value as stated in the contract.



(2) 'Final Acceptance Certificate' issued by the PURCHASER after successful completion of installation, HAT, SAT and commissioning of system.

(3) The bidder shall submit the relevant document of 5% BG of CFR value, which shall be released on submission of warranty completion certificate.

c. **Installment of Factory Acceptance Test (FAT), Local Training and Services.**

(1) **Factory Acceptance Test (FAT).** 100% cost of FAT shall be paid after successful completion of FAT and on submission of the following documents to the bank:

(a) 'FAT report' signed by the PURCHASER for the successful completion of the 'FAT' in OEM premises.

(b) 'Supplier's Signed Commercial Invoice' for 100% of FAT value as stated in the contract.

(2) **Local Training.** 100% cost of Local Training shall be paid after successful completion of local training and on submission of the following documents to the bank:

(a) Certificate Signed by the PURCHASER for the successful completion of 'Local Training' in Bangladesh.

(b) 'Supplier's Signed Commercial Invoice' for 100% of Local Training value as stated in the contract.

(3) **Installation and Final Acceptance.** 100% cost of 'Installation shall be paid after successful completion of Installation and Final Acceptance on submission of the following documents to the bank:

(a) Certificate Signed by the PURCHASER for the successful completion of the 'Installation and Final Acceptance' in Bangladesh.

(b) 'Supplier's Signed Commercial Invoice' for 100% of Installation and Final Acceptance value as stated in the contract.

34. **Import Duties.** These are the Defence stores and shall be used by the Defence Forces only and hence are exempted from payment of Custom Duties and Sale Taxes as per ministry of finance (NBR) memo no 9(41) NBR/CUS-IV/27/246 dated 10 April 1981. Therefore, if the item is imported against this tender, price to be quoted without import duties.

35. **Terms and Conditions (DGDP).** Following terms and conditions shall governed by the tender schedule/ existing rules of Directorate General Defence Purchase (DGDP):

- a. Agency Commission.
- b. LC Amendment Charges.
- c. Insurance Charges.
- d. Liquidated Damages (LD).
- e. Arbitration.
- f. Force Majure and War Risk.
- g. Termination of Contract.
- h. Letter of Credit.
- j. End User Certificate (EUC).
- k. Recoveries.
- l. Performance Guarantee (PG).
- m. Other Conditions.

36. **Price and Financial Offer.** Price of each item (for each point of scope of supply) of the total offer is to be shown separately and then grand total of the foreign currency to be shown on the original offer submitted by the bidder. The BIDDER shall comply as asked in the tender specification. The BIDDER may mention the price of additional items and services in the financial offer. Item-wise price for additional item are to be mentioned for each item and services. The BIDDER may also explain the financial terms and conditions in the financial offer as appropriate. To evaluate the financial competitiveness, BIDDER has to submit the summary of financial offer as per following format:

Ser	Nomenclature	A/U	Qty	Unit Price	Currency (USD, EURO, GBP etc.)	Total Value
1.	Gensets including the following: a. AC Diesel Generator sets with associated and standard accessories c. Cables d. Certificates and Reports e. Manuals/ Documents	Set	02	To be mentioned	To be mentioned	To be mentioned
2.	Spares (Optional)	Set	-	To be mentioned	To be mentioned	To be mentioned
3.	Total FOB Value				To be mentioned	To be mentioned
4.	(-) Agency Commission on FOB Value				To be mentioned	To be mentioned
5.	Net FOB Value after Agency Commission				To be mentioned	To be mentioned
6.	Sea/ Air Freight Charge				To be mentioned	To be mentioned
7.	Total CFR Value in Foreign Currency				To be mentioned	To be mentioned
8.	Total CFR Value in Bangladeshi Currency				-	Buyer shall be fill up
9.	Local Training				To be mentioned	To be mentioned
10.	Factory Acceptance Test (FAT)				To be mentioned	To be mentioned
11.	Installation and Acceptance				To be mentioned	To be mentioned
12.	Total Quoted Price				To be mentioned	To be mentioned