

Rs. 500/- (Non-transferable)

HOOGHLY DOCK & PORT ENGINEERS LTD.

(A GOVT. OF INDIA UNDERTAKING)

UNIT : NAZIRGUNGE WORKS

P.O. - D.S. Lane, Howrah 711 109

WEST BENGAL - INDIA

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E-MAIL : hdpelnw@satyam.net.in
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Regd. Office :-
Martin Burn Hose,
1, R.N. Mukherjee Road (2nd Floor),
Kolkata – 700 001.
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To

OPEN TENDER

For

**MANUFACTURE & SUPPLY OF ALTERNATOR ENGINES FOR
WORK BOAT – SIX NOS.**

Tender No.:- 10/P/08-09/0122/W.BOATS/AE

<u>SALE</u>	FROM 23.02.2009 TO 4 PM - 16.03.2009.
<u>DUE DATE OF SUBMISSION</u>	UPTO 2 PM – 17.03.2009.
<u>DUE DATE OF OPENING</u>	AT 3 PM ON - 17.03.2009.
<u>PLACE OF OPENING</u>	NAZIRGUNGE WORKS, HOWRAH – 711 109.

HEAD (MATERIALS)
NAZIRGUNGE WORKS

Notice Inviting Tender No. 10/P/08-09/0122/W.BOATS/AE

1.0. Sealed offers (in two part bids) are invited from manufacturers/their authorized dealers/Agents for supply of ALTERNATOR ENGINES for Work Boat – 6 Nos. as per technical specification and general terms & conditions appended herewith.

1.1. Pre-qualification criteria :

(a) Average financial turnover during last 3 (three) years ending 31st March'2007 should not be less than Rs. 15 (fifteen) lacs.

(b) (i) Bidders must have executed similar orders for Shipyards during last two years ending 31.03.2008.

(ii) Bidders must have experience, manufacturing facilities, competent personnel and facilities for after- sales service.

Note :-

Similar order means supply of Alternator engines for Ships/vessels.

1.2. Bidders must have authorized dealers/own establishment for providing services during commissioning and also after-Sales Service and supply of spares.

1.3. Tenders are to be submitted in two parts as follows :-

Part – I (Techno-Commercial Bid) :

To contain copies of credentials in support of eligibility criteria as stipulated in clause nos. 1.1 and 1.2., technical particulars of the equipments offered, literatures, taxes, duties, delivery time, terms of payment, EARNEST MONEY DEPOSIT, and acceptance of terms and conditions of NIT. List of recommended spares and tools & original NIT duly signed.

Part – II : Only price (unit and total).

Both Part I & II separately sealed and marked shall have to be submitted under one sealed cover superscribing the tender enquiry number and due date of submission in the tender box at Nazirgunge Works positively within due date of submission.

1.3.1. Tender documents can be had from the office of Head (Materials), HDPEL, Nazirgunge Works against application and on payment of non-refundable Rs. 500/- (by cash/D.D. in favour of Hooghly Dock & Port Engineers Ltd., payable at Kolkata) on working days between 9.00 to 16.00 hrs except Saturdays & Sundays. Dealers of manufacturers may collect the documents from HDPEL's designated office on application. Request for sending the bidding documents shall not be entertained.

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Bidders downloading the documents from HDPEL's website are required to submit the tender fee Rs. 500 / - through Demand Draft alongwith their Techno-commercial bid.

- 1.4. Earnest Money Deposit :
Tenderers are to submit Earnest Money Deposit for Rs. 1,00,000/- (One Lac only) either in form of Demand Draft in favour of Hooghly Dock & port Engineers Ltd from any Nationalized Bank and payable at Kolkata OR in form of Bank Guarantee as per enclosed format. The EMD shall not bear any interest and shall be returned to unsuccessful bidders. Offers without tender fee and Earnest Money Deposit may be liable for rejection.
- 1.5. Original tender documents duly stamped and signed are to be returned with Techno-Commercial bid as a token of acceptance of terms & conditions therein.
- 1.6. Offers are to be kept valid for a minimum period of 90 (ninety) days from the date of opening.
- 1.7. HDPEL reserves the right to reject any or all the offers without assigning any reason to the tenderers and also extension of due date in the event of insufficient response.
- 1.8. Purchase preference in respect of equipment/product of CPSE/CPSU will be applicable for similar equipment on tender as per extant policy of Govt. of India.

Notice Inviting Tender No. 10/P/08-09/0122/W.BOATS/AE
Technical Specification of Alternator Sets of Six Nos. Work Boats.

Quantity : One no. 50 KVA and One No. 25 KVA per Ship set, Total Six nos.
50 KVA and Six nos. 25 KVA Alternator sets.

Specification & Scope of Supply :

A1 Each Generator for 50 KVA Alternator set will consist of :

(I) Heat exchanger Water cooled Marine Diesel Engine of continuous output 40 Kw (approx), speed 1500 rpm, direction of rotation with counter Clockwise. The set shall moreover be equipped with a general Service Pump driven by manually operated friction clutch. Capacity of general service pump would be 25 M3/h.r.at 2 bar. Engine to develop adequate power to cater the demand of both 50 KVA Alternator and general service pump simultaneously.

The Engine is at least to be equipped with :

- A fuel system with full flow filter, a booster pump, a pressure pump, and shielded H.P. Fuel Pipes.
- A Lube Oil System with Engine Driven Pump, Full Flow Filter, L.O. Coolers, thermometers etc. are to be mounted on engine as per engine maker's standard. Each cooler to be provided with thermometers at inlet and outlet and also with air vent and drain plug.
- A Cooling system designed for heat exchanger cooling and consisting of engine driven Fresh cooling water pump, sea water pump, thermostat, expansion tank.
- Engines are to be provided with 24V DC Electric Starting arrangements, complete with starter, anemometer, dry un-charged batteries etc. The capacity of each battery should be suitable for at least three starts of each generator sets without recharging. An AC alternator of output 28V DC 35 Amps with voltage regulator are to be provided for Battery Charging.
- Hydraulic Start equipment with engine driven pump, hand pump and hand operated start valve are to be provided.
- Float Tank, if required, to be included in the scope of supply.
- Each engine is to be provided with air filter, exhaust flexible pipe/expansion bellow, spark arrestor type silencers, duplex type filters. Hand barring gear for turning of Engine Crankshaft.
- A standard mounted Governor for constant speed operation is to be provided.

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((II) Instrument Panel should be consisting of dial type gauges (Analogue) for the following at least :

1. RPM Indicator cum Hour meter.
2. L.O. Pressure Gauge.
3. Fresh Water Temperature Gauge.

Any instrument as required by IRS also to be provided.

(III) Hand pump for L.O. priming cum sump draining is to be provided.

(IV) Audio visual Alarm and Shut down Panel is to be provided for the following with separate sensors for Alarm & Shutdown.

1. Low Lubricating Oil Pressure.
2. High Fresh water Temperature.
3. Over speed trip.

All sensors are to be mounted on the Engine and wiring complete up to terminal box on the engine.

Separate indications for Alarm and Shut down should be provided.

Any Alarm/Shutdown as required by IRS also to be provided.

(V) Marine duty Alternator of continuously rated 50 KVA, air-cooled, drip proof, self excited, built in automatic voltage regulator, brush less, developing 415Volt, 50Hz, 3 Phase, 3 Wire, IP-23 enclosure, class "F" insulation and suitable for coupling with the above mentioned Engine.

Alternator should be suitably tropicalised and shall be designed for a Temperature rise, after continuous full load working, not exceeding the temperature limit specified by IRS.

Anti condensation heater for alternator suitable for 1 phase 230V AC is to be provided.

(VI) Suitable Flexible coupling is to be provided between Engine and Alternator, on fly wheel.

(VII) Engine and Alternator are to be coupled, mounted on a common base frame.

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Suitable anti vibration mountings are to be provided for mounting the coupled set on fabricated Engine Girder on board the vessel. The details of mounting are to be furnished.

The Engine is to be rated for 10% overload for 1 hour in interval of 12 hours.

The Engine and Alternator should be shop tested together for at least two hours at 100% load followed by a run at 110% load during half an hour.

A2 Each Generator for 25 KVA Alternator set will consist of :

(I) Heat exchanger Water cooled Marine Diesel Engine of continuous output 20 Kw (approx), speed 1500 rpm, direction of rotation with counter Clockwise.

The Engine is preferably be equipped with :

- A fuel system with full flow filter, a booster pump/ a pressure pump, with built-in piping system.
- A Lube Oil System with Engine Driven Pump, Full Flow Filter, L.O. Coolers, thermometers etc. are to be mounted on engine as per engine maker's standard.
- A Cooling system designed for heat exchanger cooling and consisting of engine driven Fresh cooling water pump, sea water pump, & expansion tank.
- Engines are to be provided with 24V DC Electric Starting arrangements, complete with starter, ammeter, dry un-charged batteries etc. The capacity of each battery should be suitable for at least three starts of each generator sets without recharging. An AC alternator of output 28V DC 35 Amps with voltage regulator are to be provided for Battery Charging.
- Each engine is to be provided with air filter, exhaust flexible pipe / expansion bellow.
- A standard mounted Governor for constant speed operation is to be provided.

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- (II) Instrument Panel should be consisting of dial type gauges (Analogue) for the following at least :

1. RPM Indicator cum Hour meter.
- 2 L.O. Pressure Gauge.
3. Fresh Water Temperature Gauge.

Any instrument as required by IRS also to be provided.

- (III) Hand pump for L.O. priming cum sump draining is to be provided.

- (IV) Audio visual Alarm and Shut down Panel is to be provided for the following with separate sensors for Alarm & Shutdown.

1. Low Lubricating Oil Pressure.
2. High Fresh water Temperature.
3. Over speed trip.

All sensors are to be mounted on the Engine and wiring complete up to terminal box on the engine.

Separate indications for Alarm and Shut down should be provided.

Any Alarm/Shutdown as required by IRS also to be provided.

- (V) Marine duty Alternator of continuously rated 25 KVA, air-cooled, drip proof, self excited, built in automatic voltage regulator, brush less, developing 415Volt, 50Hz, 3 Phase, 3 Wire, IP-23 enclosure, class "F" insulation and suitable for coupling with the above mentioned Engine.

Alternator should be suitably tropicalised and shall be designed for a Temperature rise, after continuous full load working, not exceeding the temperature limit specified by IRS.

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(VI) Suitable Flexible coupling is to be provided between Engine and Alternator, on fly wheel.

(VII) Engine and Alternator are to be coupled, mounted on a common base frame.

Suitable anti vibration mountings are to be provided for mounting the coupled set on fabricated Engine Girder on board the vessel. The details of mounting are to be furnished.

The Engine is to be rated for 10% overload for 1 hour in interval of 12 hours.

The Engine and Alternator should be shop tested together for at least two hours at 100% load followed by a run at 110% load during half an hour.

For both the 50 KVA and 25 KVA Alternator set following requirements are to be complied

- B.
 - I) List of spares as per classification rules requirements are to be provided along with its quotation.
 - II) List of Spares for 5000 Hours Operation to be furnished along with its quotation.
 - III) A set of special tools if require is to be provided with detail list.
- C.
 - I) Injector testing hand pump is to be offered as an optional item.
 - II) A set of anti-vibration mounting with each set of Generating set is to be offered as optional spare items.
- D.
 - I) Six sets of Instruction Manuals of operation, installation, maintenance, Parts list and all relevant electrical, piping & other system drawings are to be provided for engine and alternator.
 - II) System drawings in a common printable format (AutoCAD2000 file or pdf format etc) to be provided.
- E. Three sets of relevant binding drawing are to be provided within two weeks of placement of order.
- F. The offer should be complete with catalogue/technical literature, dimensional GA drawing of the coupled set and silencer and other technical data.
- G. List of Deviations if any to be furnished.
- H. Inspection: By Indian Register of Shipping, Owner's and HDPEL's representatives.

3. GENERAL TERMS & CONDITIONS

3.1. Acceptance of Order :

In the event of placement of order, the successful bidder has to convey acceptance of the Purchase Order in writing within seven days from the date of receipt.

3.2. Delivery time:

To be completed within 4 (four) / 5 (five) months.

3.3. Price : –

Price to be quoted by bidders shall be delivery upto HDPEL basis. Applicable tax, duties, insurance etc. are to be indicated in the techno-commercial bid.

3.4. Security deposit :

In the event of placement of order the successful bidder has to submit Security Deposit for 5 (five) percent of the order value in form of Bank Draft drawn in favour of Hooghly Dock & Port Engineers Ltd., payable at Kolkata by any Nationalized India Bank or in form of Bank Guarantee as per enclosed format. Security deposit to be submitted shall not fetch any interest and shall be returned/refunded on successful execution of order. Security deposit to be submitted within 15 (fifteen) days from the date of receipt of Purchase Order.

3.5. Performance Guarantee :

Successful bidder has to submit Performance Bank Guarantee for 10% value of the order towards quality of material supplied and performance of the equipments valid for a period of 18 (eighteen) months from the date of commissioning or 24 months from the date of supply which ever is earlier. The Bank Guarantee to be submitted shall have validity of 18 months with additional claim period of one month. Format of Bank Guarantee is **enclosed**.

3.6. Liquidated Damage :

In the even of delay in executing the order beyond the stipulated delivery period, Liquidated damage @ 1 (one) percent per week's delay or part thereof subject to a maximum of 10% of the order value shall be imposed and stand recoverable from the successful bidder.

3.7. Risk Purchase:

In the event of failure in executing the order within the contractual delivery period, HDPEL reserves the right to cancel the order, forfeit the Security deposit and procure the materials from any other source at the risk & cost of the supplier.

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3.8. Force Majeure :

It shall be limited to "Act of God" or Lockout at your Works. The same is not applicable to your sub-contractor. Such information are to be given to the buyer instantly on occurrence.

3.9. Arbitration & Jurisdiction:

In case of any dispute, the matter shall be settled by arbitration by the Chairman & Managing Director of Hooghly Dock & Port Engineers Ltd. who will be the sole arbitrator. The High Court at Kolkata shall have jurisdiction to deal with and decide any legal matter or dispute whatsoever arising out of this contract.

FOR HOOGHLY DOCK & PORT ENGINEERS LTD.,

HEAD (MATERIALS)
NAZIRGUNGE WORKS

Encl: Formats for Bank Guarantees.(2 nos.)

PERFORMANCE GUARANTEE

This agreement made this _____ day _____ 200____
between _____

(Name of the Bank & Address)

_____ (hereinafter called the 'Bank' which expression shall unless repugnant to the context or contrary to the meaning thereof include its successors and assignees) of the one part and Hooghly Dock & Port Engineers Ltd., a Government of India undertaking having its registered office at 1, R. N. Mukherjee Road, Kolkata – 700 001 (hereinafter called 'the Company' which expression shall, unless repugnant to the context or contrary to the meaning thereof include its successors and assignees) of the other part.

Whereas M/S _____

(Name & Address of the Company)

_____ (hereinafter called the Contractor's which expression shall unless repugnant to the subject or context include its successors and assignees, legal representatives and administrators) received from the company an order no. _____ dated _____ (hereinafter called the said Agreement) to manufacture / supply / erect / commission / repair / renovate _____

(Order Particulars)

_____ in accordance with the said Agreement. AND WHEREAS the contractor has undertaken to manufacture / supply / erect / commission / repair / renovate _____ and is required under the said Agreement to furnish one Bank Guarantee for Rs. _____ (Rupees _____) being _____ % of the price of the contract value to the Contractor towards due performance and workmanship of the goods for a period of _____ months from the date of dispatch / commission.

And whereas the Bank at the request of the Contractor has agreed to furnish in favour of the Company the said bank guarantee in the manner hereinafter appearing.

2. We, _____ Bank _____ branch do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of any breach by the said Contractors of any of the terms or conditions contained in the said Agreement or by reason of the Contractor's failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____

3. We, _____ Bank, further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said Agreement have been fully paid and its claims satisfied or till the Company certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing and received by us on or before the _____ we shall be discharged from all liabilities under this guarantee thereafter.

4. We, _____ Bank further agree with the Company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor(s) and or forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the said Contractor(s) or by any such matter of thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

5. We, _____ Bank, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing.

6. Notwithstanding anything contained herein before our liability under this guarantee will be restricted to Rs. _____ (Rupees _____). Unless a claim in writing is made on us on or before _____ day of _____ 200__ we will be discharged from all our liabilities hereunder.

Dated the _____ day of _____ 200__ for _____ Bank Ltd.

Note: This bank guarantee should be submitted in the banker's sealed envelope and the claim period should be for 30 days from date of expiry of this B.G.A confirmatory letter from the issuing bank is also to be submitted in this context.

FORMAT FOR
BANK GUARANTEE BOND (IN LIEU OF EMD/ S.D)

In consideration of Hooghly Dock & Port Engineers Ltd. (A Govt. of India Undertaking), a Company incorporated under the Company's Act 1956 and having its Registered Office at 1, R.N. Mukherjee Road, 2nd Floor, Kolkata-700001 amongst other places, a Unit at Nazirgunge, P.O. Danesh Shaik Lane, Howrah-711109, West Bengal (hereinunder called the "HDPE") having agreed to exempt M/s. (hereinafter called the "Tenderer"/"Seller") of Earnest Money Deposit / Security Deposit in cash for the due fulfillment by the said Tenderer/Seller of the terms and conditions contained in the said Tender/Purchase Order, on production of a Bank Guarantee for Rs.....(Rupees only) we (Bank) (Hereinafter referred to as the "Bank") at the request of M/s., against any loss or damage caused to or suffered or would be caused to or suffered by the HDPE by reason of any breach by the sand Tenderer/Seller of any of the terms or conditions contained in the said Tender/Purchase Order.

We, (Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from the HDPE stating that the amount claimed is due by way of loss of damaged caused to or would be caused to or suffered by the HDPE by reason of breach by the said Tenderer/Seller of any of the terms of conditions contained in the said Tender/Purchase order or reason of the Tenderer's/Seller's failure to perform the said Tender/Purchase order. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....

We, (Bank) undertake to pay to the HDPE any money so demanded notwithstanding any dispute or disputes raised by the said Tenderer/Seller in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the said Tenderer/Seller shall have no claim against us for making such payment.

We,..... (Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Tender/ Purchase Order and that it shall continue to be enforceable till all the dues of the HDPE under or by virtue of the said Tender/Purchase order have been fully paid and its claim satisfied or discharged or till the HDPE Certified that the terms and conditions of the said Tender/Purchase Order have been fully and properly carried out by the said Tenderer/Seller and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before We shall be discharged from all liability under this guarantee thereafter.

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We, (Bank) further agree with the HDPE that the HDPE shall have the fullest liberty without our consent and without affecting in any manner. Our obligations hereunder from time to time or to postpone for any time or from time to time any of the powers exercisable by the HDPE against the said Tender/Seller and to forbear on enforce any of the terms and conditions relating to the said Tender/Purchase order and we shall not be relieved from

our liability by reason of any such variation or extension being granted to the said Tender/Seller or for any forbearance, act or omission of the part of the HDPE or any indulgence by the HDPE to the said Tenderer/Seller or by any such matter or think whatsoever which under the law relating to sureties would, but for this provision, have effect or so relieving us.

This guarantee will not be discharged due to the change in the constitution of the Bank of the said Tenderer/Seller.

We, (Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the HDPE in writing.

