

Alcock Ashdown (Gujarat) Limited
 (A Government of Gujarat Undertaking)
 Ship Builders, Ship Repairers & Engineers
 Ramsar Works, Old Port, Bhavnagar 364 001 (Gujarat)
 Tel: (0278)2426326, 2426305, Fax: (0278)2428342
 Email: alcockad1@sancharnet.in

**GLOBAL TENDER FOR SUPPLY OF DETAILED 3-D INTEGRATED PIPING
 DRAWING AND FABRICATION DRAWINGS FOR VARIOUS PIPING SYSTEMS
 AND SUPPLY OF MATERIAL PACKAGE FOR THE SAME FOR 4 NOS. 12800 T
 IMO-II PRODUCT TANKERS**

Alcock Ashdown (Gujarat) Limited (AAGL) invites sealed Item Rate Tenders from competent firms with experience in following works.

3D integration and system wise fabrication drawings and supply of material package for various piping systems for 4 Nos. 12800 T DWT IMO-II Tankers.

Sr. No.	Name of Work	Last Date of issue of tenders	Last date of accepting tenders	Opening of Technical Bid	Cost of Tender Document (Rs.)
A.	<p>(1) Supply of 3D integration drawing and fabrication drawings for following systems;</p> <p>(i) Cargo / slop and purging piping</p> <p>(ii) Tank cleaning piping</p> <p>(iii) Hydraulic piping for remote operated valves</p> <p>(iv) Thermic fluid piping for cargo heating</p> <p>(v) Tank venting system</p> <p>(2) Supply of total material package for above systems (i) to (v)</p> <p>(3) Installation assistance /supervision for</p>	2.3.07	3.3.07		1000

Signature of Bidder with Stamp

Date

	15 days at shipyard on 1 st vessel				
B.	<p>(1) Supply of 3D integration drawing and fabrication drawings for ballast piping System.</p> <p>(2) Supply of total material package for Ballast Piping system.</p> <p>(3) Installation assistance /supervision for 15 days at shipyard on 1st vessel</p>				

Sale and submission of tender forms:

- a) Eligible contractors may download the tender documents from our website www.alcockshipyard.com or may obtain the same from our Bhavnagar based office on all working days. Non refundable tender fees as mentioned by Demand Draft in favour of Alcock Ashdown (Gujarat) Limited, payable at Bhavnagar shall be recovered from the bidder at the time of issuance / submission of the tender document.
- b) Eligible contractors may necessarily bid for both the tendered works / supply. Both the activities / jobs / supply are related to one another and are part of one project. Both the activities to be commenced as per the schedule / conditions specified in the tender documents. Any part offer will be liable for rejection.
- c) The Tender Document along with Tender fees is to be sent to:

The Managing Director
Alcock Ashdown (Gujarat) Ltd.
Ramsar Works, Old Port
Bhavnagar 364 001
Gujarat (India)

Tenders to be submitted in two separate sealed envelopes (i) Technical bid and (ii) Price bid.

Signature of Bidder with Stamp

Date

- d) The completed tender will be received in the office of AAGL upto 15:00 hours on the date mentioned in the TENDER NOTICE.
- e) Price bid of only technically qualified bidders shall be opened.

Eligibility criteria for the tender / tenderer

The Bidder must submit this tender in collaboration or firm association as may be applicable with complete bio-data and credentials of the firm / individuals.

- a) A principal bidder to have minimum 5 years experience in relevant field.
- b) Material to comply specifications and applicable rule requirements and standards.
- c) Maker list for various equipments / accessories / fittings as per tender attachment to be confirmed / complied.

AAGL reserves the right to accept or reject any or all tenders in part or full or to cancel the issue of tender documents without assigning any reason whatsoever.

Managing Director
Alcock Ashdown (Gujarat) Limited

Signature of Bidder with Stamp

Date

ALCOCK ASHDOWN (GUJARAT) LTD.

(A Gujarat Govt. Undertaking)

(SHIP BUILDERS, SHIP REPAIRS, ENGINEERS)

Old Port, Ramsar Works, Bhavnagar 364 001

Tel.: 91 278 2426305, 2427169

Fax: 91 278 2428342

E Mail: alcockad1@sancharnet.in

Tender closes on: 03/03/2007

Tender No.: ALK/PP&C/2006-07/251-254

Offer valid for 60 days

Date:

M/s.
.....
.....
.....

Subject: Tender for supply of complete piping package including 3D integration detailed drawing and system wise fabrication drawings for following systems for onboard installation on four nos. 12800 T DWT IMO-II Product Tanker: [A] Cargo Piping System ((i) Cargo / slop and perging piping system (ii) Tank cleaning system (iii) Hydraulic piping system for remote operated valves (iv) Thermic fluid piping system for cargo heating (v) Tank venting system) and [B] Ballast Piping System.

Dear Sir,

Please submit your lowest tender for the supply of complete piping system package including pipes, flanges, packings, fasteners, valves and fittings, clamps and all the components / accessories as required in the above mentioned each system and inline with the attached schematic system diagrams and list of material including specifications for the respective systems.

Bidder is also required to prepare 3D integration drawing for all the systems duly specified with all the material, components involve in the respective system and highlighted with sizes, dimensions, description / specification of individual components / item and the system wise total bill of material. In addition it is also required to workout and supply system wise detailed pipe fabrication drawings to enable the pre fabrication work of individual piping system and it's installation onboard ship.

The material package offered by the bidder to satisfy the total requirement of individual system as per ship's specification and also the requirement of class (ABS) and statutory / flag stage requirements as applicable. It will be the responsibility of the bidder towards supply of full quantity of material required for individual system under his standard scope. No extra / additional cost shall be payable for the material required for total installation as per stipulated requirements.

Towards compliance of the above said requirements, the qualified bidder is initially required to submit 3D integration drawing, system wise fabrication drawings and bill of materials which will be approved / accepted by yard / owners / class as applicable and on completion of above formalities within a strict time frame of 30 days. The

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Date

respective material packages to be supplied by the bidder based on approved drawings and as per the schedule given by the yard.

Material offered by the bidder to be approved by the appropriate agency / authority as necessary and the charges for approval / certification to be included in the offer.

Your offered scope should be inclusive of 15 days supervision at our yard by your competent engineer during installation work onboard first vessel. Charges towards above services including travel, lodging, boarding etc. for your engineer to be included in your price offer.

The terms and conditions stipulated here under are applicable to the subject tender for 4 Nos. 12800 T DWT IMO-II Product Tankers. You are requested to carefully go through the same and send your offer in two separate sealed envelopes super scribed as `Technical Bid' on envelope No. 1 and `Price Bid' on envelope No. 2.

Technical Bid should be comprising of:

- a] Copy of the tender documents including all Annexures / Attachments duly stamped and signed by you on each page as a token of your acceptance for the scope of services / supply and terms & conditions of subject tender.
- b] Details of similar work executed by you during last five years along with documentary proof of the same including cost of each work, year of completion etc. (Copy of the work order / work completion certificates)
- c] Technical details showing your professional competence, resources and technical back up available with you.

Price Bid shall comprise of details of unit rates quoted by you for each item / material for respective systems and for the services required to be provided by you as per the tender requirements. Price quoted by the bidder to be fixed and firm and inclusive of all taxes, duties etc. as applicable and to be inclusive of transportation and insurance coverage as applicable. The rates must be shown legibly in ink or type written in price bid format attached at Annexure-IV and to be submitted in separate sealed cover as specified.

The vendor shall submit their price bid on the basis of an item wise rate and pricing of the shipyard estimates of quantities and the L1 offer shall be determined on the total of this estimated cost as per the rates quoted by the contractor.

The vendor shall complete the 3-D integration of the concerned system within 30 days from the receipt of the letter Of Intent / Purchase Order and the final price of the supply package shall be fixed accordingly on the final quantities, as determined by the supplier on the basis of the integration, but not exceeding the estimated cost determined at the time of tendering.

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Date

Technically qualified bidder's price bids will be opened subsequently. AAGL reserves the rights for accepting or rejecting any or all bids received without assigning any reason for the same.

The offers should be delivered by speed post/courier or in person on or before closing date and time of the tender by speed post / courier or in person and to be deposited in the sealed tender notice box kept for the purpose.

The acceptance of the tender in whole or in part thereof will be entirely at the desecration of the management of the Alcock Ashdown (Gujarat) Ltd. or there authorized representative.

Thanking you,

Yours faithfully,
For Alcock Ashdown (Gujarat) Ltd.,

H N Bhatt
Senior Manager (PP&C)

Encl: Tender Enquiry with all annexures and tech. specifications / drawings for vessel and required system schematic diagrams.

Signature of Bidder with Stamp

Date

REQUIREMENTS / TERMS / CONDITIONS

1 General requirements

- i) Piping shall include GRP pipes and flanges for ballast system and SS pipes and flanges for cargo and other applicable systems and other material specifications as per respective systems. Galvanizing (hot dip) of pipe penetrations after hot work for applicable systems.
- ii) Piping shall include pressure testing of pipes and fittings and its approval / certification as per applicable rule requirements.
- iii) Piping shall include all gaskets, clamps, fasteners & sealants reqd. for installation (including SS fasteners for cargo, tank cleaning, cargo vent piping etc.).
- iv) Pipes, Valves, Flanges, Pads, bends penetrations, packings, fittings, accessories etc. shall be supplied by the bidder.
- v) Detailed specification is attached for the reference indicating project specific requirement of various system piping work which is to be considered under standard scope of supply.
- vi) Any item / material required for the system as specified in the tender and not reflected in the specification / schematic diagram, however necessary for the intended operation / requirement of the system. Such items to be considered by the bidder in their scope without any extra price other than the quoted price.

2. Completion Schedule

The bidder has to prepare and submit the 3D drawing of integrated piping system and system wise piping system fabrication drawings and to submit for approval within 30 days from the LOI / order placement. A detailed schedule of supply of material for various systems will be prepared by the company [AAGL] and agreed by the subcontractor. The same shall be strictly adhered to by the contractor.

3. Penalty

The bidder should strictly adhere to the schedule of drawing submission and supply of materials. Any deviation from the schedule without proper justification for the delay occurred will attract the penalty. The penalty @ 1% per week of delay shall be levied from the bidder maximum up to 10 % of the total contract value.

4. Inspection

All the material supplied for various piping systems will be subject to inspection and approval / certification by Classification / Statutory and owner as may be

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applicable. Any rejection / rectification should be executed free of cost. Recommendations / instructions given by yard / classification society / owner or his representatives to be complied by the bidder.

5. **Guarantee**

The complete scope of supply shall be guaranteed for the soundness and its performance for the period of 12 months from the date of delivery of the vessel to the owners. Any defect occurred on account of poor workmanship of material supplied shall be attended / replaced by the bidder during guarantee period, at the place where the vessel is available for repairs.

6. Any technical information if deemed necessary to be submitted by the bidder in their technical bid.

Sr. Manager (PP&C)
Alcock Ashdown (Gujarat) Ltd.
Old Port
Bhavnagar

We have understood the requirements of the project and the tender as well as terms and conditions of the tender including all the Annexures and attachments of this tender and accordingly submitted our offer. The price bid is separately forwarded in a sealed envelope.

(Name of the authorized signatory)

Signature of Bidder with Stamp

Date

ANNEXURE I

LIST OF ANNEXURES AND ATTACHMENTS

Following Annexures and Attachments are attached here with for reference and for confirmation of total compliance of the tender inquiry.

<u>ANNEXURE</u>	<u>DESCRIPTION</u>
1	List Of Annexures and Attachments.
2	[A]. Scope of Cargo piping system package
	[B]. Scope of Ballast piping system package
3	Maker's List
4.	(A) Price Bid Format for Cargo Piping System
	(B) Price Bid Format for Ballast Piping System
<u>ATTECHMENT</u>	<u>DESCRIPTION</u>
A-1	Specification for Cargo Oil / slop and Purging System
A-1.1	Estimated Bill of Material for Cargo Oil / slop and Purging System
A-2	Specification for tank Cleaning System
A-2.1	Estimated Bill of Material for tank Cleaning System
A-3.1	Estimated Bill of Material for Thermic Fluid System
A-4	Tank Venting System.
A-4.1	Estimated Bill Of Material For Tank Venting System
B-1	Specification For Ballast System In Way Of Cargo Area.
B-1.1	Estimated Bill of Material For Ballast System In Way Of Cargo Area
C	Specification For Oil Discharge Monitor
D	General Arrangement Plan Of The Vessel
E	Mid Ship Section Plan (In Way of Cargo tank)
F	Schematic diagram for the following piping system
	a) 1. Cargo Oil / slop and purging piping system
	2. Tank cleaning system
	3. Thermic fluid piping system
	4. Tank Venting system
	b) 1. Ballast piping in way of cargo area
G	Structural Drawing in way of Submersible pumps (4 sheets)
H	Ship's Technical Specification

Note: As the package of Remote operated valve system is a requirement of scope of supply of this tender. Drawing for the same to be prepared / integrated by vendor / bidder from the reference of their offered system.

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ANNEXURE – II

SCOPE FOR PIPING SYSTEM PACKAGE FOR INSTALLATION ONBOARD 4 NOS. 12800T DWT IMO-II PRODUCT TANKERS, YARD NO. 251-254 INCLUDING SUPPLY OF 3D / FABRICATION DRAWINGS AND ALL MATERIAL, FASTNERES, PACKING ETC.

[A]. FOR CARGO PIPING SYSTEM

No.	Description	Requirements	Confirmation / Acknowledgement by Bidder
1	Drawings	Preparation and supply of 3D integration drawing and system wise fabrication drawings for following systems; (i) Cargo / slop piping and purging system (ii) Tank cleaning piping (iii) Hydraulic piping for valves (remote operated) (iv) Thermic fluid piping (v) Tank venting system	
2	Scope of material supply	Supply of complete piping system package including pipes, flanges, packings, fasteners, valves and fittings, clamps and all the components / accessories as required in the above listed each system and inline with the attached schematic system diagrams and list of material including specifications for the respective systems and the specifications for the ship. Quantity for each supplied items to be worked out by the bidder and complete package as agreed and approved by the yard based on the 3-D and fabrication drawings submitted by the party and satisfying onboard ship installation requirement including extra material requirement for fabrication work.	

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Date

No.	Description	Requirements	Confirmation / Acknowledgement by Bidder
3	Compliance of statutory and classification society requirements	<p>The system offered should meet requirements as per the latest rules and regulations of ABS. The tankers will be built under survey of Classification Society ABS to obtain class notation of "+ A1 OIL & CHEMICAL CARRIER + AMS+ACCU, ESP" or equivalent. The vessel shall be registered under Panama. (Suitable for international voyages). Accordingly system installation and operation are also to comply with the rules requirements of Panama as well as SOLAS requirements as may be applicable.</p> <p>System to also meet with following Statutory rules and requirements as may be applicable.</p>	
		<p>RULES AND REGULATIONS</p> <ol style="list-style-type: none"> 1] Relevant national rules and regulations of the ship's flag. 2] International Convention on Load Lines, 1966 with Protocol of 1988. 3] International convention for the Safety of Life at Sea (SOLAS), 1974 including Protocol of 1978 and amendments upto 2000. 4] International Convention for the Prevention of Pollution from Ships, (MARPOL) 1973, Annex I,II, IV, V & VI (Reg 12/13/16) with Protocol of 1978 and amendments up to 1998. 5] International Covention for Preventing Collisions at Sea, 1972 and amendments up to 1993. 6] International Convention on Tonnage measurement of ships, 1969 as amended by IMO Res. A493 (XII). 7] International Tele-Communications Convention and Radio Regulations 1974, 1982 and amendments. 8] OCIMF guidelines for SPM and for mooring to be complied with as far as practical. 9] OCIMF mooring equipment guidelines 1997 (as practical) 10] ILO Convention concerning Crew Accommodation on board Ships (No. 92, 133) (as practical) 11] ISO 6954-2000[E]-Guidelines for the Evaluation of vertical and 	

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Date

		<p>horizontal Vibration in Merchant Ships, in the zone below upper line as guideline.</p> <p>12] Code on Noise Levels on Board Ships IMO Resolution A468 (XII)</p> <p>13] IMO Resolution A708 (17) Guidelines on Navigation Bridge Visibility.</p> <p>14] IMO Resolution A.751 (18) Interim Standards for Ship Manoeuvrability.</p> <p>15] International Code for the Construction and Equipment of Ship's Carrying Dangerous Chemical in Bulk including Amendments.</p> <p>16] U.S. Coast Guard's Regulations for Foreign Flag Vessels Operating in the Navigable Waters of the United States. (CFR Title 33-part 155, 156,157,159 and 164, CFR Title 46 – part 34, 05, 35.01-1, 35-30, 35.35, 39) with Letter of compliance.</p> <p>17] The International Electro-Technical Commission (IEC) Publication No. 92 (Recommendations for Electrical Installation in Ships)</p> <p>18] Suez and Panama Canal Navigation Rules and Regulations including Tonnage Measurement of Ships.</p> <p>19] USCG regulations of oil pollution and maritime sanitation device for foreign flag vessels.</p> <p>20] Marine Environmental and safety criteria for industry vessels in Exxon Mobil affiliate service.</p> <p>21] Revised Marpol annex I & II and amended IBC code with Ships whose keels are laid later than 01 January 2007.</p> <p>22] Maritime Traffic safety law of Japan.</p> <p>23] Saint Lawrence seaways regulations, Canada.</p>	
4	Installation assistance / supervision	15 days supervision by your competent engineer during installation work onboard first vessel. Charges towards above services including travel, lodging, boarding etc. for your engineer to be included in your price offer.	

Signature of Bidder with Stamp

Date

[B]. FOR BALLST PIPING SYSTEM

No.	Description	Requirements	Confirmation / Acknowledgement by Bidder
1	Drawings	Preparation and supply of 3D integration drawing and system wise fabrication drawings for Ballast Piping System.	
2	Scope of material supply	Supply of complete piping system package including pipes, flanges, packings, fasteners, valves and fittings, clamps and all the components / accessories as required in the above listed each system and inline with the attached schematic system diagrams and list of material including specifications for the respective systems and the specifications for the ship. Quantity for each supplied items to be worked out by the bidder and complete package as agreed and approved by the yard based on the 3-D and fabrication drawings submitted by the party and satisfying onboard ship installation requirement including extra material requirement for fabrication work.	
3	Compliance of statutory and classification society requirements	The system offered should meet requirements as per the latest rules and regulations of ABS. The tankers will be built under survey of Classification Society ABS to obtain class notation of "+ A1 OIL & CHEMICAL CARRIER + AMS+ACCU, ESP" or equivalent. The vessel shall be registered under Panama. (Suitable for international voyages). Accordingly system installation and operation are also to comply with the rules requirements of Panama as well as SOLAS requirements as may be applicable. System to also meet with following Statutory rules and requirements as may be applicable.	

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Date

No.	Description	Requirements	Confirmation / Acknowledgement by Bidder
		<p>RULES AND REGULATIONS</p> <ol style="list-style-type: none"> 1] Relevant national rules and regulations of the ship's flag. 2] International Convention on Load Lines, 1966 with Protocol of 1988. 3] International convention for the Safety of Life at Sea (SOLAS), 1974 including Protocol of 1978 and amendments upto 2000. 4] International Convention for the Prevention of Pollution from Ships, (MARPOL) 1973, Annex I,II, IV, V & VI (Reg 12/13/16) with Protocol of 1978 and amendments up to 1998. 5] International Covention for Preventing Collisions at Sea, 1972 and amendments up to 1993. 6] International Convention on Tonnage measurement of ships, 1969 as amended by IMO Res. A493 (XII). 7] International Tele-Communications Convention and Radio Regulations 1974, 1982 and amendments. 8] OCIMF guidelines for SPM and for mooring to be complied with as far as practical. 9] OCIMF mooring equipment guidelines 1997 (as practical) 10] ILO Convention concerning Crew Accommodation on board Ships (No. 92, 133) (as practical) 11] ISO 6954-2000[E]-Guidelines for the Evaluation of vertical and horizontal Vibration in Merchant Ships, in the zone below upper line as guideline. 12] Code on Noise Levels on Board Ships IMO Resolution A468 (XII) 13] IMO Resolution A708 (17) Guidelines on Navigation Bridge Visibility. 14] IMO Resolution A.751 (18) Interim Standards for Ship Manoeuvrability. 15] International Code for the Construction and Equipment of Ship's Carrying Dangerous Chemical in Bulk including Amendments. 16] U.S. Coast Guard's Regulations for Foreign Flag Vessels 	

Signature of Bidder with Stamp

Date

		<p>Operating in the Navigable Waters of the United States. (CFR Title 33-part 155, 156,157,159 and 164, CFR Title 46 – part 34, 05, 35.01-1, 35-30, 35.35, 39) with Letter of compliance.</p> <p>17] The International Electro-Technical Commission (IEC) Publication No. 92 (Recommendations for Electrical Installation in Ships)</p> <p>18] Suez and Panama Canal Navigation Rules and Regulations including Tonnage Measurement of Ships.</p> <p>19] USCG regulations of oil pollution and maritime sanitation device for foreign flag vessels.</p> <p>20] Marine Environmental and safety criteria for industry vessels in Exxon Mobil affiliate service.</p> <p>21] Revised Marpol annex I & II and amended IBC code with Ships whose keels are laid later than 01 January 2007.</p> <p>22] Maritime Traffic safety law of Japan.</p> <p>23] Saint Lawrence seaways regulations, Canada.</p>	
4	Installation assistance / supervision	15 days supervision by your competent engineer during installation work onboard first vessel. Charges towards above services including travel, lodging, boarding etc. for your engineer to be included in your price offer.	

Signature of Bidder with Stamp

Date

ANNEXURE IV-A

PRICE BID TO BE FILLED IN BY THE BIDDER

(Submitted in separate sealed cover)

To,
Managing Director
Alcock Ashdown (Gujarat) Ltd.
Bhavnagar

Sub : Tender for supply of complete piping system material package including 3-D integrated detailed drawing and system wise fabrication drawings for following systems for onboard installation on 4 nos. 12800T DWT IMO-II Product Tankers.

- [A]. For following Cargo Piping Systems**
- (i) Cargo / slop piping and purging system**
 - (ii) Tank cleaning piping**
 - (iii) Hydraulic piping for valves (Remote operated)**
 - (iv) Thermic fluid piping**
 - (v) Tank venting system**

Dear Sir,

We have read and studied all the terms and conditions of the tender including all Annexures and Attachments and all the conditions for total tender requirements are acceptable to us. We are submitting our lowest quote as under for subject package job and supply.

No.	Description	Quoted Price (Rs.)
A.	(1) Preparation and supply of 3D integration drawing and system wise fabrication drawings for following cargo Piping systems; (i) Cargo / slop piping and purging system (ii) Tank cleaning piping (iii) Hydraulic piping for valves (remote operated) (iv) Thermic fluid piping (v) Tank venting system

Signature of Bidder with Stamp

Date

No.	Description	Quoted Price (Rs.)
	<p>(2) General :- Unit rate for supply of complete piping system material package including pipes, flanges, packings, fasteners, valves and fittings, clamps and all the components / accessories as required in the above listed each system and inline with the attached schematic system diagrams and list of material including specifications for the respective systems and the technical specifications of the ship. Quantity for each quoted item to be worked out by bidder and complete package as agreed and approved by the yard based on the 3D and fabrication drawings submitted by the party and satisfying onboard ship installation requirement, including extra material required for fabrication. Unit rates for the above mentioned items for the respective piping systems, to be filled by the bidder in the attached here with separate Price Bid format.</p> <p>Total material package for following cargo Piping systems:-</p> <ul style="list-style-type: none"> (i) Cargo / slop piping and purging system (ii) Tank cleaning piping (ii) Hydraulic piping for valves (Remote operated) (iii) Thermic fluid piping (iv) Tank venting system 	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
	<p>(3) 15 days supervision by your competent engineer during installation work onboard first vessel. Charges towards above services including travel, lodging, boarding etc.</p>	<p>.....</p>

Note 1 : Price quoted is fixed and firm and inclusive of all taxes and duties as applicable.

Note 2 : Unit break up for each quoted items with rates, as quoted at Sr. No. 2 above, is attached in the tabular form along with this Price Bid- Annexure IV. (Bidder to submit separately in sealed price bid cover).

Note 3 : Rates confirms to the terms & conditions and services & scope of supply, specified in the tender.

Signature of Bidder with Stamp

Date

ANNEXURE IV-B

PRICE BID TO BE FILLED IN BY THE BIDDER

(Submitted in separate sealed cover)

To,
Managing Director
Alcock Ashdown (Gujarat) Ltd.
Bhavnagar

Sub : Tender for supply of complete piping system material package including 3-D integrated detailed drawing and system wise fabrication drawings for following system for onboard installation on 4 nos. 12800T DWT IMO-II Product Tankers.

[B]. For Ballast Piping System

Dear Sir,

We have read and studied all the terms and conditions of the tender including all Annexures and Attachments and all the conditions for total tender requirements are acceptable to us. We are submitting our lowest quote as under for subject package job and supply.

No.	Description	Quoted Price (Rs.)
B.	(1) Preparation and supply of 3D integration drawing and system wise fabrication drawings for Ballast piping system.
	(2) General :- Unit rate for supply of complete piping system material package including pipes, flanges, packings, fasteners, valves and fittings, clamps and all the components / accessories as required in the above listed each system and inline with the attached schematic system diagrams and list of material including specifications for the respective systems and the technical specifications of the ship. Quantity for each quoted item to be worked out by bidder and complete package as agreed and approved by the yard based on the 3D and fabrication drawings submitted by the party and satisfying onboard ship installation requirement, including extra material required for fabrication. Unit rates for the above mentioned items for ballast piping system, to be filled by the bidder in the attached here with separate Price Bid format. Total material package for Ballast Piping systems:-

Signature of Bidder with Stamp

Date

No.	Description	Quoted Price (Rs.)
	(3) 15 days supervision by your competent engineer during installation work onboard first vessel. Charges towards above services including travel, lodging, boarding etc.

Note 1 : Price quoted is fixed and firm and inclusive of all taxes and duties as applicable.

Note 2 : Unit break up for each quoted items with rates, as quoted at Sr. No. 2 above, is attached in the tabular form along with this Price Bid- Annexure IV. (Bidder to submit separately in sealed price bid cover).

Note 3 : Rates confirms to the terms & conditions and services & scope of supply, specified in the tender.

Signature of Bidder with Stamp

Date

ANNEXURE - A - I

UNIT RATES TO BE FILLED IN BY THE BIDDER :

CARGO FILLING AND DISCHARGE SYSTEM, CARGO HEATING SYSTEM.IN 12800DWT PRODUCT TANKER

Sr. No	Size	Pipe (mtrs)			Bend (Nos.)			Flange (pipe) (Nos.)			Flange (Valve) (Nos.)			Others		
		Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)
1.	300A Min. Thk- 4mm	24			2			24			4			Spool piece-1 No.		
2.	200A Min. Thk- 4mm	300			50			300			34			Spool piece-6 No.		
3.	150A Min. Thk- 3mm	320			30			320			34			Reducer(200A/150 A)		
4.	100A Min. Thk- 3mm	150			14			150			14					
5.	80A Min. Thk- 2.8m m	180			14			180			48					

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Date

Sr. No	Size	Pipe (mtrs)			Bend (Nos.)			Flange (pipe) (Nos.)			Flange (Valve) (Nos.)			Others		
		Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)
6.	25A Min. Thk- 1.6m m	140			25			140			360					
7.	15A	60						60								
	Total (Rs.)															

NOTE: 1) ALL PIPES AND FITTINGS SHALL BE STAINLESS STEEL MATERIAL (AISI 316L)

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Date

ANNEXURE - A - II

UNIT RATES TO BE FILLED IN BY THE BIDDER :

CARGO TANK CLEANING SYSTEM FOR 12800T DWT-IMO-II PRODUCT TANKER

Sr. No	Size	Pipe (mtrs)			Bend (Nos.)			Flange (pipe) (Nos.)			Flange (Valve) (Nos.)			Others		
		Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)
1.	100A	95			12			96			28			Spool piece-2 Nos.		
														Pressure guage-1Nos.		
														Expansion joint-12Nos		
2.	80A	100			18			100			48					
3.	50A	115			35			116			70			Blank Flange-30Nos		
	Total (Rs.)															

NOTE: 1) ALL PIPE MATERIAL TO BE OF CARBON STEEL MATERIAL OF SCH –80 THICKNESSES.

Signature of Bidder with Stamp

Date

ANNEXURE - A - IV

UNIT RATES TO BE FILLED IN BY THE BIDDER :

THERMIC FLUID/ CARGO HEATING SYSTEM FOR 12800T DWT IMO-II PRODUCT TANKER

Sr. No	Size	Pipe (mtrs)			Bend (Nos.)			Flange (pipe) (Nos.)			Flange (Valve) (Nos.)			Others		
		Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)
1.	150 Min. Thk-4.5m m	50			8			50			8					
2.	125 Min. Thk-4mm	25			4			300			34					
3.	100 Min. Thk-3.6m m	220			30			320			8					
4.	80 Min. Thk-3.2m m	50			6			150			4					

Signature of Bidder with Stamp

Date

Sr. No	Size	Pipe (mtrs)			Bend (Nos.)			Flange (pipe) (Nos.)			Flange (Valve) (Nos.)			Others		
		Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)
5.	50 Min. Thk-2.9m m	140			14			180			48					
6.	25 Min. Thk-2.6m m	45			25			140			20					
7.	20 Min. Thk-2.3m m	40						60								
8.	15 Min. Thk-2mm	35						12			28					
9.	10 Min. Thk-2mm	20						20			8					

NOTE: 1) All piping material to be of seamless steel DIN 2448, ST 35.8 DIN 17175.

Signature of Bidder with Stamp

Date

ANNEXURE - B - I

UNIT RATES TO BE FILLED IN BY THE BIDDER :

BALLAST PIPING SYSTEM IN CARGO AREA IN 12800DWT PRODUCT TANKER

Sr. No.	Size	Pipe(mtrs)			Bend(Nos.)			Flange(Valve) (Nos.)			Others		
		Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)
1.	250A Min. Thk-7.5mm	350			20			54			Pipe coupling-dresser-8 Nos.		
2.	200A Min. Thk-6mm	90			8			2			Strainer-2 Nos.		
											Sea water Strainer – 2Nos.		
											Stripping Educuer -2Nos.		
3.	80A Min. Thk-3.6mm	30			8								
	Total Cost (Rs.)												

NOTE: 1) ALL PIPES AND FITTINGS SHALL BE OF GRP MATERIAL

Signature of Bidder with Stamp

Date

ANNEXURE – A – V

UNIT RATES TO BE FILLED IN BY THE BIDDER

CARGO OIL PIPING (TANK VENTING) IN 12800T DWT IMO-II PRODUCT TANKER

Sr. No	Size	Pipe (mtrs)			Bend (Nos.)			Flange(pipe) (Nos.)			Flange(Valve) (Nos.)			Others		
		Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)
1.	200A Min. Thk-4mm	95			4			96			4			Blank flange-6 Nos.		
2.	125A Min. Thk-4mm	380			110			380			28			Blank flange-18 Nos.		
														Spool piece-28Nos.		
														Pressure gauge-14 Nos.		
														Reducer (125A/80A)		

Signature of Bidder with Stamp

Date

Sr. No	Size	Pipe (mtrs)			Bend (Nos.)			Flange(pipe) (Nos.)			Flange(Valve) (Nos.)			Others		
		Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)	Estimated Quantity	Unit Rate (Rs.)	Total (Rs.)
3.	100A Min. Thk-3mm	20			18			134			28					
4.	80A Min. Thk-3mm				14						28					
5.	25A Min. Thk-1.6m m	20			18			20			28					
	Total Cost (Rs.)															

NOTE: 1) ALL PIPES MATERIAL SHALL BE STAINLESS STEEL MATERIAL (AISI 316L)

Signature of Bidder with Stamp

Date