



THE ARAB POTASH COMPANY PLC

Tender Terms and Conditions

for IFB Number 202101057/AT

Rehabilitations of Harvesters & Dredgers Workboats Qty. (3)

THE ARAB POTASH COMPANY PLC
Tel. No. +962-6-5200520 - Fax No. 962-3-2305125
Terms and Conditions for IFB Number 202101057/AT

Rehabilitations of Harvesters & Dredgers Workboats Qty. (3)

Hereunder, are the terms and conditions of contract and the bidding instructions issued to tenderers who bid against tenders raised by The Arab Potash Company “Hereinafter called the company”. Tenderers must follow these instructions, terms and conditions and bid in strict accordance with them.

1. Bids must be submitted in **Three closed, sealed and separate envelopes**; the first contains the commercial bid; the second contains the technical bid, the third contains the following: -
 - The bid bond.
 - The Declaration of Abidance with Tender Terms and Conditions.
 - The Declarations of the other and Prohibited Payments.
 - Certificate of registration (for local & foreign tenderers).

The tenderer must write in an indelible ink on each of the envelopes whether it contains commercial; technical bids, bank guarantee or prohibited and other payments envelope along with the tender number and tender name.

The envelopes are as follows:

a) Technical Bid Envelope:

That indicates the technical specifications of the subject matter; confirmed by descriptive literature, samples, bulletins, and catalogues that refer specifically to the goods offered by the original manufacturers and shall be void of prices. The technical bid shall be submitted in two copies. The technical bid must indicate also the offer validity which must be 90 days from the date of the invitation for bid closing date. The technical bid must be stamped and signed (otherwise, the bid will be rejected).

b) Commercial Bid Envelope:

Commercial bid must be submitted on the form prepared specifically for the purpose titled “**COMMERCIAL BIDDING SHEET**”; showing the following details:

1. Price: for the required materials as per INCO terms 2010:
CPT APC Safi Site

2. Prices must remain fixed and valid for 90 days from the date of the invitation for bid closing date and shall be clearly stated in the technical and commercial bids (failure to comply with this term will nullify it as non-responsive).
3. The payment currency shall be the Jordanian Dinar or US\$ Dollar or Euro, noting that US Dollar and Euro exchange rate will be calculated at the currencies exchange rate issued by the Central Bank of Jordan at the commercial bids opening date.
4. The prices include the revenue stamps which, in case of award and within 10 days therefrom, shall be paid by the bidder to the Ministry of Finance at 6 dinars as per 1000 dinars of the price.
5. Handwriting pricing is not acceptable (Typing only).

c) The Abidance, and the Declarations Certificates Envelope:

Shall be submitted duly filled and signed as appropriately required.

The declaration of the other payments and the prohibited payments shall be duly filled stamped and signed by the authorized signatory.

- d) The bidder or his authorized signatory must sign and stamp the "Terms and Conditions of" **IFB Number 202101057/AT** as an evidence of being obligated by these conditions (otherwise, the offer will be rejected).
 - e) The Bidder shall state the full name of his company's owners, the shareholders and their proportions. **"This is mandatory requirement to consider the bid"**.
 - f) If the submitted trade license, registration certificate & classification found to be inconsistent with the required services &/or material requested in the tender, then the offer will be declined for non-specialization.
2. All the envelopes shall be additionally enclosed into one envelope that shall bear the company address, the title and address of the Tenderer, the invitation for bid title and number and the tender closing date.

THE COMPANY ADDRESS IS:

ARAB POTASH CO. PLC.

P.O. BOX 1470,

AL-JAHIZ STREET,

SHMEISANI,

AMMAN 11118,

JORDAN.

Note: Bids Submission Place is APC Safi Plant Site.

3. The closing date for this bid shall be as stated in the announcement.

Bid submission shall be in the same place, address and time as per the invitation of our IFB.

4. Acceptable Forms of Bonds:

A-Bank guarantee duly approved, drawn on or confirmed by a bank in Jordan to the company benefit.

All bonds shall not be restricted by any condition, irrevocable, and payable at first demand without any judicial proceedings or notarial warnings.

5. Bid Bond:

The tenderer shall enclose, with his bid, a bid bond as a financial assurance in the value stated in the tender announcement.

The bid bond is to be submitted in a separate envelope which shall remain valid for ((120)) days from the tender closing date and any extension thereafter until the tender award and the acquisition of the performance bond from the successful tenderer. The bid bond shall be extendable on mutual agreement between both the company and the tenderer.

The bid bond must accompany each submitted bid whether main or alternative.

6. The company reserves the right to confiscate the bid bond, if the tenderer chooses to withdraw his bid after the bid opening date, and before validity expiry date and/or failure of the tenderer to submit the performance bond within ten ((10)) days from the purchase order issuance date.

7. Performance Bond:

The tenderer awarded the tender shall bear the obligation towards the company for submitting an autorenewable performance bond, to the company benefit, of a value not less than ((10%)) of the award price valid for (9) months and shall be extendable.

8. **The company reserves the right to disregard any bid in which the company "Declaration of Abidance by terms and conditions and technical specification", "Technical Specifications Bidding Sheets" and/or "Commercial Bidding Sheets" are not duly filled in detail, properly stamped and signed by the tenderer. Technical specifications must be stamped and signed by the original manufacturer.**

9. Unless the company decides otherwise; bids which are not duly signed by the original manufacturer, and/or received after the closing date and/or substantially incomplete are not acceptable and that will be decided upon by the company and upon its own discretion.

10. The company reserves the right, upon its discretion, to disregard any bid which is not amply clear, having more than one interpretation, and/or any of the bid items specifications is not quoted completely as detailed in the company tender documents. Also, the same applies if the delivery terms or periods are not fully stated.
11. The company has the right to award partially any of the materials.
12. Fax, phone and E-mail bids are not acceptable.
13. The company is not bound to place a purchase order for all the items tendered against or any part thereof and, prima facie, is not bound to place an order. Also, the company is not bound to offer justifications and the tenderers shall not acquire any rights to claim any losses.
14. The company is not bound to place an order on the least price basis.
15. The company reserves the right to cancel any invitation for bid, to reject, in all or in part, the tenderers' bids submitted to the company in response to any invitation for bid raised by the company without offering justifications and the tenderers shall not acquire any right to claim any losses, whatsoever, as a result of bidding in response to the company invitation for bid.
16. Tenderers bear the responsibility of thoroughly scrutinizing the invitation for bid, the specification attached thereto, the terms and regulations of bidding and the proofing of the prices and quantities lists. Also, the tenderers bear the consequences of failing to do the above correctly.
17. The bid shall show the unit price and the total price, which shall be regarded as including packaging costs, unless noted otherwise.
18. In case an error exists in the total price, the unit price shall prevail.
19. In case the invitation for bid does not show the delivery time, the tenderer shall quote the delivery time; otherwise, the delivery time shall be taken as prompt delivery. The obligatory delivery period shall be the period elapsed between the date of purchase order until the delivery of the goods at the named place of destination which, if exceeded, delay penalty shall apply as stipulated in clause (31) of these conditions.
20. The tenderer shall state the goods country of origin, the manufacturer, the trade name, and the type where applicable.
21. The tenderer must indicate if he has an official / legal agent in Jordan or if he is an agent for a foreign principal and must enclose a copy of the empowerment to act as such. Alternatively, the tenderer must indicate if he is not an agent nor a principal.

22. The tenderer shall submit along with his bid the punctual specifications of the offered goods, the relevant catalogues and any data, information and/or statistics that will define the offered goods appropriately.
23. If the invitation for bid quotes a manufacturer name, a trade name and/or specifications of a certain make of the goods requested in the invitation for bid, these shall not bound the tenderer to such restrictions, except that these restrictions are binding in regard of same merits, characteristics and suitability for the purpose which form the basis for equivalence between different makes that will serve the same as the nominated goods.
24. The company, upon its discretion, reserves the right to increase and/or decrease the quantities indicated in the invitation for bid in accordance with the company needs by 25% on the same price and conditions.
25. The company reserves the right to disregard any bid of a tenderer who, in the past, has not properly fulfilled his contractual obligations towards the company due to negligence, incompetence, claimed fraudly representation of and/or working on behalf of any organization for sales without authorization.
26. The tenderer shall guarantee that the goods quoted are brand new, genuine, free from manufacturing defects, and/or material defect, and of the latest model and/or type unless otherwise noted in the invitation for bid.
27. In case the tenderer fails to submit the performance bond and the revenue stamps receipt to the company in the proper time; the company reserves the right to cancel the contract and forfeit the bid bond without resorting to judicial proceedings and/or notarial warnings.
28. In case the tenderer fails to fulfill his contractual obligations towards the company, or any part thereof, after formal order acknowledgement; the company reserves the right to cancel the contract with the said tenderer, forfeit the performance bond and to purchase the materials and/or services forming the subject of the contract from any alternative source and the price difference shall be charged on the said tenderer account and expense without resorting to judicial proceedings and/or notarial warnings.
29. The inspection and testing of materials and samples are carried out as may be deemed necessary by the company.
30. Packing shall be of an excellent commercial standard, details of which shall be shown in the tenderer's technical bid.
31. If the products are not delivered at the time for delivery APC entitled to liquidated damages from the date on which delivery should have taken place. Unless otherwise stated in General and/or

Special Terms and conditions. The liquidated damages shall be payable at a rate of (0.7%) of the purchase price for each completed week of delay. The liquidated damages shall not exceed (7.5 %) of the purchase price. After which the stipulation of clause No. (28) of the tender terms and conditions shall apply.

32. The tenderer shall submit a maintenance guarantee in the form of a cheque or a first demand and irrevocable bank guarantee, duly approved, drawn on/or confirmed by a bank in Jordan to the company benefit of ((5%)) of the contract price valid for the guarantee period offered by the tenderer for his goods or to the period indicated in the tender documents until the final acceptance certificate is issued by the company.
33. For purchase orders with a value of over (100,000 JOD) the company shall nominate a third party, engineer and/or any of the bodies having the suitable technical capabilities to inspect the goods within the works of the manufacturer or before shipping the goods to verify the compliance of the goods to the company tender specifications and upon the inspector findings, the goods may be either accepted or rejected. Notwithstanding the above, the final acceptance or rejection of the goods, or any part thereof, depends solely upon the goods receipt inspection report in the company plants site.
34. This document shall be signed by the tenderer as a declaration of acceptance of the terms contained herein and must be submitted within the commercial bid as a fundamental condition of the bid acceptance for evaluation by the company.
35. Any materials not strictly complying with the tender specifications and/or the contract terms and other obligations shall be rejected, for which the contractor shall bear all costs accruing there from and in addition to clause (28) of these terms and conditions and any other statutory remedies.
36. In case the contractor supplied any materials or goods in excess to those contracted for in the purchase order or bills of quantities without the written consent of the company, then the contractor shall bear all costs for its retrieval and/or its disposal, including but not limited to, all costs, expenses, duties and taxes levied by the government and shall abide with governmental procedures pertinent to the matter at his own cost.
37. The Governing law for all bids, bidding procedures, and the subsequent accruing awards shall strictly follow the current Jordanian laws.
38. In case of award APC reserves the right to terminate the contract at any time by giving 30 days' written notice to the other party.

39. Delivery:

6 Months from the Purchase Order date

40. Method of Payment:

40.1 100% Cash Against invoice after project completion & issuance of technical acceptance certificate by APC.

41. Other Payments:**41.1 Definition:**

Other payments are all payments direct or indirect commissions, consulting fees, agents fees, finder's fees or other payments or inducements or the giving of anything of value paid or promised to be paid by the contractor (collectively "third payments") to third parties other than the company "Others", by the contractor or on his behalf or any of his sub – contractors and his or their employees, agents or representatives, in connection with the solicitation, bidding, negotiation, award or performance of this contract.

41.2 Contractor has fully disclosed in the declaration for other payments attached to these Conditions any and all direct or indirect commissions, consulting fees, agent fees, finder's fees or other payments, or inducements or the giving of anything of value (collectively, "Third Payments"), to third parties other than The Company (a "Third Payments") including without limitation a detailed description of the basis therefore, its sub-Contractors and its or their employees, agents or representatives, in connection with the solicitation, bidding, negotiation, award or performance of this Contract, and hereby covenants and agrees promptly to disclose to (The Company) in writing the existence of any Third Party Payments including without limitation, a detailed description of the basis therefore, upon the earliest to occur of Contractor making or being obligated to make any such third Party Payments.

41.3 In the event of any violation or breach of the provisions of paragraph (41.2) of this clause. (The Company) at its sole option and discretion shall take all or any of the following actions: -

- (i) Terminate the Contract while reserving all its rights and/or,
- (ii) Deduct from all or any payments due to Contractor under this Contract an amount equal to two times the amount of any Third Party Payments, and/or,

- (iii) Demand that Contractor pay forthwith to “The Company” demand Contractor hereby irrevocably agrees to honor, an amount equal to two times the amount of any Third Party Payment, it being the intention, subject to paragraph (41.5) below, that the aggregate of all amount to which (The Company) is entitled under paragraphs (41.3) shall not exceed the amount which is two times the amount of all Third Party Payments.
- 41.4 Contractor agrees that provisions substantially similar (but in no event less restrictive) to paragraphs (41.2) and (41.3) above shall be incorporated by Contractor in all Contracts with Contractors Sub-Contractors, suppliers or Contractors or arising out of or relating to this Contract, and shall also expressly provide that same may, at (The Company’s) sole discretion, be enforced directly by (The Company). Contractor further agrees promptly to supply to (The Company) true and complete copies of such Contracts together with evidence of their inclusion in such Contracts forthwith upon the entering into by Contractor of such Contracts.
- 41.5 Nothing in this section shall expressly or implicitly make lawful or permissible any Third Party Payments that are otherwise prohibited under applicable law or regulations. These rights and remedies of (The Company) under this clause are in addition to and not in derogation of any other rights (The Company) may have under applicable laws or regulations.
- 41.6 This clause shall survive the termination of this Contract.

42. Prohibited Payments

42.1 Definition:

Prohibited payments are all payments direct or indirect commissions, consulting fees, agents fees, finders fees or other payments or inducements or the giving of anything of value paid or promised to be paid, by the Contractor or on his behalf or any of his sub-contractors, agents or representatives, to the “Company Person” in connection with the solicitation, bidding, negotiation, award or performance of this contract.

- 42.2 Contractor hereby represents and warrants to “The Company” in the attached declaration for prohibited payments to these Conditions that no direct or indirect commissions, consulting fees, agents fees, finders fees or other payments, and no inducements or the giving of anything of value, have been made or promised to be made, directly or indirectly, by or on behalf of Contractor, its sub-Contractors and its or their employers, agents or representatives, to “The Company” (collectively, “Prohibited Payments”), including without limitation any official, employee, agent or representative (whether or not acting in an official capacity) of “The Company” (The Company person), in connection with the solicitation, bidding, negotiation, award or performance of this Contract; and hereby covenants and agrees that no Prohibited Payments shall be made or promised to be made directly or indirectly, by or on behalf of

Contractor, its sub-Contractors and its or their employees, agents or representatives, to any (The Company Person) in connection with the amendment, modification, renewal, extension or performance of this Contract.

42.3 In the event of any violation or breach of the provisions of paragraph (42.2) of this clause. (The Company) at its sole option and discretion shall take all or any of the following actions:-

- (i) Terminate the Contract while reserving all its rights and/or,
- (ii) Deduct from all or any payments due to Contractor under this Contract an amount equal to two times the amount of any Prohibited Payments, and/or,
- (iii) Demand that Contractor pay forthwith to "The Company" demand Contractor hereby irrevocably agrees to honor, an amount equal to two times the amount of any Prohibited Payments, it being the intention, subject to paragraph (42.5) below, that the aggregate of all amount to which (The Company) is entitled under paragraphs (42.3) shall not exceed the amount which is two times the amount of all Prohibited Payments.

42.4 Contractor agrees that provisions substantially similar (but in no event less restrictive) to paragraphs (42.2) and (42.3) above shall be incorporated by Contractor in all Contracts with Contractors Sub-Contractors, suppliers or Contractors arising out of or relating to this Contract, and shall also expressly provide that same may, at (The Company's) sole discretion, be enforced directly by (The Company). Contractor further agrees promptly to supply to (The Company) true and complete copies of such Contracts together with evidence of their inclusion in such Contracts forthwith upon the entering into by Contractor of such Contracts.

42.5 The rights and remedies of (The Company) under this clause are in addition to and not in derogation of any other rights (The Company) may have under applicable laws or regulations.

42.6 This clause shall survive the termination of this Contract.

43. Arab potash company will not issue, any letter of commitment to banks to transfer dues in relation to the subject matter tender and / or Purchase Order.

44. The equipment &/or vehicle purchased must include a name plate showing our purchase order number in addition to other important information. Also, the warrantee card should be attached to the equipment / vehicle for easy reference and claims.

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45. Foreign construction contractors must obtain the approval of the cabinet (Government of Jordan) before awarding.
46. The company reserves the right to disregard any bid which does not strictly follow the aforementioned terms and conditions.
47. **Correspondence shall be in writing stating the tender name and number and directed to:**

**Procurement Director,
Arab Potash Company PLC.
P.O. Box 1470,
Amman 11118 – Jordan.
Fax No. : +962-3-2305125/131
Tel. No. : +962-6-5200520
E-mail : procurement@arabpotash.com**

Declaration of Abidance by Tender Terms & Conditions and Technical Specifications

I, We. The undersigned,

Declare that we have read the terms and conditions for **IFB Number 202101057/AT “Rehabilitations of Harvesters & Dredgers Workboats Qty. (3)”**. and we confirm that we are in compliance with these terms and conditions; this declaration is properly signed and sealed evidencing our full abidance by all tender terms and conditions.

Moreover, we the undersigned abide with payment terms, the delivery terms exactly as stipulated in the documents **CPT APC Safi Site** and we have read the technical specifications for this **IFB Number 202101057/AT**.

and confirm to be in full compliance with these technical specifications.

N.B.: -

(Tenderer is required to fill an additional form to show any possible minor technical deviations).

We understand that failing to abide with the tender conditions will nullify our offer.

Tenderer Name:

Name of authorized signatory:

Signature:

Official Stamp: -

Tenderer is required to submit the declaration in the envelope which contains the bid bond along with the list of minor derivations.

Declaration for Other Payments

I, We. The undersigned,

.....
...

Declare that we have read and comprehended the provisions under clause (41) of **IFB Number 202101057/AT** "Terms and Conditions" related to this Contract and in compliance with this clause; we enclose a declaration properly signed and sealed disclosing any and all direct or indirect commissions, consulting fees, agent fees, finders fees or other payments, or inducements or the giving of anything of value (collectively, "Third Party payments") to third parties other than any of The Company's Person(s) (a "Third Party"), including without limitation a detailed description of the basis therefore, made or to be made, directly or indirectly, by or on behalf of Contractor, its subcontractors and its or their employees, agents or representatives, in connection with the solicitation, bidding, negotiation, award or performance of this Contract; and hereby covenants and agrees promptly to disclose to The company all Payments including without limitation, a detailed description of the basis therefore, upon the earliest to occur of Contractor making, or being obligated to make, any such Third Party Payments.

Contractor's Name

Name of authorized signatory.....

Signature.....

Seal.....

Tender Name & Number.....

- Contractor is required to submit a declaration for other payments in a separate sealed envelope whether such payments has been paid or not and the offers of all Contractors that do not include such declaration will be rejected.

Declaration for Prohibited Payments

I, We the undersigned,
.....

Declare that we have read and comprehended the provisions under clause (42) of **IFB Number 202101057/AT** "Terms and Conditions" related to this Contract and in compliance with this clause; we enclose a declaration properly signed and sealed representing and warranting to (The Company) that no direct or indirect commissions, consulting fees, agent fees, finders fees or other payments, and no inducements or the giving of anything of value, have been made or promised to be made, directly or indirectly, by or on behalf of Contractor, its subcontractors and its or their employees, agents or representatives, to (The Company) (collectively, "Prohibited Payments") including without limitation any official, employee, agent or representative (whether or not acting in an official capacity) of (The Company) ("The Company Person"), in connection with the solicitation, bidding, negotiation, award or performance of this Contract; and hereby covenants and agrees that no Prohibited Payments shall be made or promised to be made, directly or indirectly, by or on behalf of Contractor, its subcontractors and its or their employees, agents or representatives, to any "The Company Person" in connection with the amendment, modification, renewal, extension or performance of this Contract.

Contractor's Name

Name of authorized signatory.....

Signature.....

Seal.....

Tender Name & Number

- Contractor is required to submit a declaration for prohibited payments in a separate sealed envelope whether such payments has been paid or not and the offers of all Contractors that do not include such declaration will be rejected.

Introduction:

Arab Potash Company, here and after called APC, Located in Ghour Al-Safi 130 Km to the south of Amman. Intends to rehabilitate harvesters & dredger workboats Quantity three (3 no.)

1. Local Site Conditions:

- The ambient temperature varies from occasional winter temperature of 5 °C to a summer maximum shade temperature of 50 °C.
- The atmosphere is tropical and dusty. Normal dust and potash KCL dusts.
- The elevation of site is 420 meters below sea level.
- Atmospheric pressure is 1060 m bar.
- Corrosion: Severe attacks from brine -laden atmosphere and from deposition of aggressive material.
- Erosion: Desert condition; high wind-born particle attack.
- Wind Velocity: (0-28) meters/second (63 miles /hour).

2. Site Visit:

The Contractor will be granted permission to visit the Site. This visit will be prescheduled with the Employer as per APC's convenient time and date, and shall be limited to two persons only representing the Contractor, The Contractor shall comply with APC's safety and security regulations and shall be prepared by wearing all required PPEs and COVID-19 test should be issued before 48 hrs. from site visit date.

3. Technical Evaluation Criteria:

The financial / commercial offer will only be opened for technical proposals deemed acceptable Provided that the technician's bid exceeds (70) and above.

Distribute evaluation marks for the technical offer as follows:

No.	Description	Score
1	Comply with APC specifications and requirements of bidding documents	10%
2	Experiences and qualifications of the technical and administrative staff	20%
3	Past experience in similar projects.	20%
4	Safety precautions and procedures & Contractor's Quality Control Policy	10%
5	Contractor facility and workshop	10%
6	Warranty	10%
7	Delivery Time	20%

The final evaluation will be based on 70% for the Technical Offer and 30% for the Commercial Offer according to the following matrix of evaluation:

Final Score = (70% X Technical Score) + (30% X Least Price / Bidder Offer)

4. Submittals

- 4.1. Materials supplied by the Contractor shall be covered by mill test certificates. All steel shall have identification markings to reference the mill certificates. (marine type)
- 4.2. Work schedule & program.
- 4.3. Contractor quality plan for the work & Quality Control Policy.
- 4.4. Safety precautions and procedures.
- 4.5. Parts and Components data sheet & Manuals.

5. Scope of the work:

- 5.1. Cleaning and flushing the accumulated salts & dirt's.
- 5.2. Inspection of work boat hull body thickness.
- 5.3. Metal repairing: Including Hull repair, wheelhouse surface, deck surface, handrail, crane baseetc.
- 5.4. Replace Fender channel.
- 5.5. Replace Side Rubber fender (D shape with dimension 120x120 x L 600 mm)
- 5.6. Replace front Rubber (cylindrical shape with dimension (O.D 300x I.D 150 x L 300 mm)
- 5.7. Install new GB type MG-5061 & engine with required modification.
- 5.8. Replace elec. System include Inspection, repair the control system and all gauges, Voltage, cables & lighting system.
- 5.9. Replace steering gear mechanism as per attached DWG (dimensions will be depending to the boats heights).
- 5.10. Repair all component of the propulsion system. (SIMPLEX TYPE) as per attached DWG.
- 5.11. Repair crane system including overhaul Haib sea crane, hydraulic pump, and hydraulic hoses.....etc.
- 5.12. Re-decoration the wheelhouse with insulation.
- 5.13. Repair/ replace the electric bilge pump if needed.
- 5.14. Replace/ repair the old hand bilge pump
- 5.15. Sandblast & painting.
- 5.16. Layout of electrical wiring, instrument and electronic arrangement drawings shall be provided by contractor
- 5.17. Replace handrail.
- 5.18. Replace ventilation & cooling ducts with full insulation, two layers of cladding
- 5.19. Install cathodes protection unit under water line.

6. Work Details: -**6.1. Metal Repairing**

- Inspect, fabricate, and replace the worn-out area in metal body, all replaced parts to be of the same materials and same thickness, overlapping is prohibited.
- All welds, joint preparation, and joint welding shall be consistent with good ship building practice to meet the relevant provision of the American welding society (A.W.S) standards and practices. (D 1, 1-86) and as per attachment.

6.2. Painting and Protection:

- All used steel plates and profiles shall be shot blasted (grade S.A 3.0) and painted with shop primer prior to construction of vessel. During construction all welds shall be brush cleaned and treated with primer colors of finishing paint shall be the requirements of the owner.
- After fabrication, all interior and exterior welds, burns, cuts, or otherwise damaged areas shall be re blasted with the balance of the surface areas sand swept (lightly sandblasted) to remove contamination.
- When using Pre-primed steel in double bottom area voids that are to be completely sealed, no additional surface preparation shall be required. After the surfaces have been properly prepared, the following painting schedule shall be applied.

6.3. Painting schedule**6.3.1. Hull below waterline**

- 6.3.1.1. One (1) coat polyamide epoxy Primer. Mini. Dry film thickness: 50 Micron.
- 6.3.1.2. One (1) coat tar epoxy, high build coating. Mini. Dry film thickness: 150 Micron.
- 6.3.1.3. One (1) coat coal tar epoxy, high build Mini. Dry film thickness: 100 Micron.

6.3.2. Wheelhouse surface

- 6.3.2.1. Three (3) coat polyamide epoxy primer minis. Total dry film thickness: 200 Micron.
- 6.3.2.2. One (1) coat polyamide epoxy, high builds Mini dry film thickness: 100 Micron.
- 6.3.2.3. One (1) polyamide epoxy Mini. dry film thickness: 100 Micron.

6.3.3. Void spaces, machinery spaces, top of double bottom plates

- 6.3.3.1. One (1) coat polyamide epoxy primer mini dry film thick.: 100 Micron.
- 6.3.3.2. One (1) coat polyamide epoxy, high builds mini dry film thick.: 100 Micron.
- 6.3.3.3. One (1) coat polyamide epoxy mini dry film thickness: 100 Micron.

6.3.4. Sump

- 6.3.4.1. One (1) coat polyamide primer mini dry film thickness: 100 Micron.
- 6.3.4.2. One (1) coat polyamide epoxy mini dry film thickness: 100 Micron.
- 6.3.4.3. One (1) coat polyamide epoxy mini dry film thickness: 100 Micron.

6.3.5. Deck surface

- 6.3.5.1. One (1) coat barrier zinc-rich epoxy mini dry film thickness: 100 Micron.
- 6.3.5.2. One (1) coat bleached tar epoxy mini dry film thickness: 100 Micron.
- 6.3.5.3. One (1) coat bleached tar epoxy mini dry film thickness: 100 Micron.
- 6.3.5.4. One (1) coat bleached tar epoxy, non-slip mini dry film thick: 100 Micron.

6.4. Hydraulic system

- Repair & overhaul the Hiab sea Crane model 081-2, renewed all hydraulic hoses, repair the hydraulic pump, and clean the hydraulic tank and hydraulic pipes if needed.)

6.5. Control System (Analog):

Inspect, repair or replace the control system which should be include the following:

maneuvering control & instrument desk (panel) which shall include- battery charging lights- oil pressure light- oil pressure alarm- tachometers-air filter alarm- engines overheating alarm- engines overheating light- engine speed- start / stop main engines- speed controller electrical type for two boats #7 and 8- engines speed tachometers-rudders angle indicator-engines pressure and temp Gauges-gear boxes pressure and temp Gauges-general alarm for gear boxes and main engines-engines and gear boxes overheating Alarms-engines Air filter alarms-engines V belt tension alarms-fuel tank level indicator, crane hydraulic tank level indicator. All sensors and switches should marine type. all gauges need to be analog type

6.6. Voltage

The electrical installation will be based on 12 volts with two (2) batteries 170 ah each. The batteries shall be charged by the main engine driven alternators. A battery box shall be fit on deck, naturally ventilated and lockable and away from the working area and should made from wood.

6.7. Cables

Cables to be insulated by rubber with neoprene and P.V.C. coating. (need to use marine cables and conduit)

6.8. Lighting

All spaces shall be provided with sufficient LED lighting 40 watt, switches and sockets. A minimum of six (6) lights in the engine room and two (2) in the wheelhouse, inspect, repair the flood light if needed

Note: Layout of electrical wiring, instrument and electronic arrangement drawings shall be provided by contractor.

6.9. Propulsion system

Repair all components of the propulsion system (SIMPLEX TYPE) (stern tube, shafts, seal arrangement, bearings, Etc.)

7. General conditions

- 7.1. Contractor daily working hours are from 8.0 a.m. to 4 p.m. Friday and Saturday are holiday for the contractor workers.
- 7.2. All work steps should be approved by the APC supervisor prior to the execution of the other activities.
- 7.3. Contractor must assign a qualified supervisor engineer with good command of English to be available at site along project period.
- 7.4. In case of conflict between APC team and contractor, the priority for APC team
- 7.5. All contractor's previous projects to be mentioned in the contractor's offer.
- 7.6. Comply with APC service provider's safety procedure (attached).
- 7.7. Accommodations, food, transportation, housing are contractor responsibility.
- 7.8. All of supply material to be brand new & genuine parts.
- 7.9. Comply with APC regulations for electrical connections.
- 7.10. The Contractor should provide his workers with military permits.
- 7.11. All Replaced Parts to be scraped in APC scrape area.
- 7.12. Contractors are invited to visit APC plant prior to submit of their technical and financial offer.

8. Incase of working in APC site the responsibility will be as the following:

8.1. APC responsibility:

- Loading & unloading Workboats.
- Provide a contractor with suitable area to carry out the required jobs.
- APC will provide the contractor with all necessary data sheet & drawing that needed to complete the work.
- APC will provide the contractor with engines , gear boxes and shafts coupling .

8.2. Contractor responsibility:

- All necessary equipments and tools needed for the work is the contractor responsibility.
- All spare parts should be genuine parts and it's the contractor responsibility.
- All replaced parts to be scraped in APC scrape area.
- Any thing maybe needed and not mentioned under APC responsibility

8.3. Incase of working out APC site the responsibility will be as the following:

8.3.1. APC responsibility:

- Loading, unloading at APC site.
- APC will provide the contractor with all necessary data sheet & drawing that needed to complete the work.

8.3.2. Contractor responsibility:

- All necessary equipments and tools needed for the work is the contractor responsibility.
- All spare parts should be genuine parts and it's the contractor responsibility.
- All replaced parts to be scraped in APC scrape area.
- Loading from & to APC, is contractor responsibility.
- Any thing maybe needed and not mentioned under APC responsibility

9. Inspection and Testing:

- 9.1. The APC reserve the right to inspect the work at any time during manufacturing by APC's representative and/or any third party (an independent testing and inspecting agency) that is authorized and approved by the APC to inspect the work, in order to ensure that the materials and the workmanship are in accordance with specification
- 9.2. Sand blasting & Painting process.
- 9.3. Visual Examination of Welds
- 9.4. All testing technical report to be submitted to APC engineer after each testing.

10. Warranty: -

- 10.1. The seller warrant to the Arab Potash Company that the equipment (supplied/repaired) is free from fault workmanship and material should any defect in design , material , dimensions workmanship , or operating characteristics develop during the first year of operation but not later than 18 months after shipment from the supplier works , the seller agrees to make all necessary or desirable alterations , free of charge and shall pay transportation expenses to and from the plant site , no reimbursement whatever may be claimed for modifications or repairs carried out by third parties without the written consent or approval of the company .
- 10.2. If the defect or diminished performance cannot be corrected (repaired /provided items), the seller agrees to replace/repair the equipment without delay and at his own expense. Or to take the equipment (repaired /provided items) back and return the total purchase price. The owner will not under any circumstances be held responsible for indirect damage.

11. BOQ & Price Table

Note: These Tables to be enclosed in the commercial bid envelope only.

Mut'ah work boat					
Item	Description	QTY	Unit	Unit price	Total
1	Cleaning and flushing the accumulated salts & dirt's	1	L/S		
2	Repair Fender channel	30	M		
3	Replace Side Rubber fender (D shape with dimension 120x120 x L 600 mm)	30	M		
4	Replace front Rubber (cylindrical shape with dimension (O.D 300x I'D 150 x L 300 mm)	6	Each		
5	Install new GB & engine with required modification	2	Assy.		
6	Replace elec. System	1	L/S		
7	Replace rudder steering gear mechanism as per attached drawing	2	Assy.		
8	Repair propulsion sys. (SIMPLEX TYPE)	2	Assy.		
9	Repair crane sys.	1	Assy.		
10	Re-decoration the wheelhouse with insulation	1	Assy.		
11	Repair/ replace the electric bilge pump & replace if needed.	3	Each		
12	Replace/ repair the old hand bilge pump	1	Each		
13	Sandblast & painting	1	L/s		
14	Layout of electrical wiring, instrument and electronic arrangement drawings shall be provided by contractor	1	L/S		
15	Replace handrail	20	M		
16	Replace ventilation & cooling duct with full insulation, two layers of cladding	4	Unit		
17	Install cathodes protection unit under water line	8	Each		
18	Replace intermediate shafts coupling with flex coupling elastic type (APC will provide the coupling)	2	Each		
19	Provide life rings.	3	Each		

Rehabilitations of harvesters & dredger Workboats

IFB# 202101057

HAR#7 WB

Item	Description	QTY	Unit	Unit price	Total
1.	Cleaning and flushing the accumulated salts & dirt's	1	L/S		
2.	Replace damaged & corroded plates	10	M2		
3.	Replace Fender channel	30	M		
4.	Replace Side Rubber fender (D shape with dimension 120x120 x L 600 mm)	30	M		
5.	Replace front Rubber (cylindrical shape with dimension (O.D 300x I.D 150 x L 300 mm)	20	Each		
6.	Install new GB & engine with required modification	2	Assy.		
7.	Replace elec. System	1	L/S		
8.	Replace & relocate rudder steering gear mechanism as per attached drawing	2	Assy.		
9.	Repair propulsion sys. (SIMPLEX TYPE)	2	Assy.		
10.	Repair crane sys.	1	Assy.		
11.	Re-decoration the wheelhouse with insulation	1	Assy.		
12.	Repair/ replace the electric bilge pump & replace if needed.	3	Each		
13.	Replace/ repair the old hand bilge pump	1	Each		
14.	Sandblast & painting	1	L/S		
15.	Layout of electrical wiring, instrument and electronic arrangement drawings shall be provided by contractor	1	L/S		
16.	Replace handrail	20	M		
17.	Replace ventilation & cooling duct with full insulation, two layers of cladding	4	Unit		
18.	Install cathodes protection unit under water line	8	Each		
19.	Install new elec. Work boat Speed controller	1	Assy.		
20.	Replace intermediate shafts coupling with flex coupling elastic type (APC will provide the coupling)	2	Each		
21.	Provide life rings.	3	Each		

Rehabilitations of harvesters & dredger Workboats

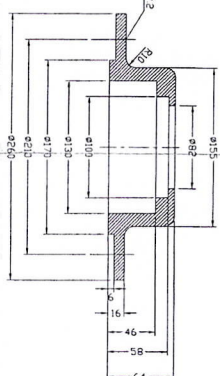
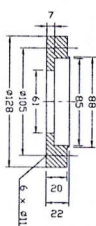
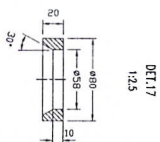
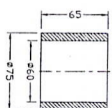
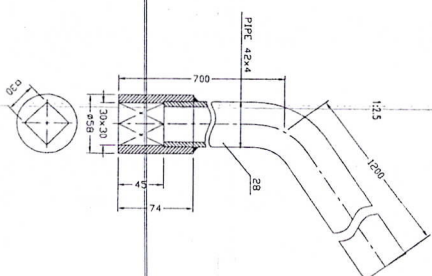
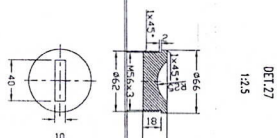
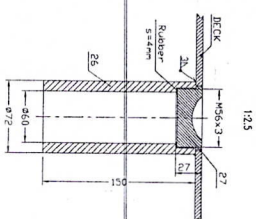
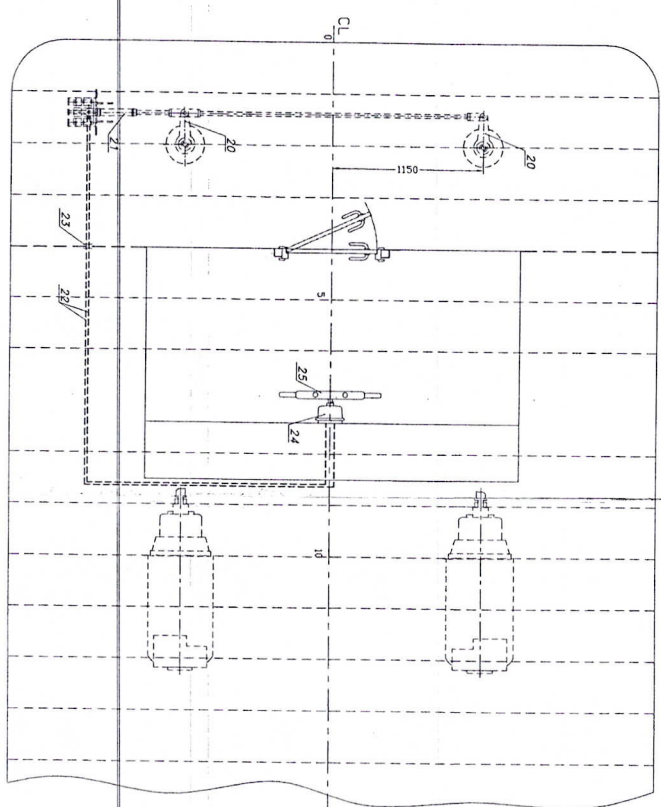
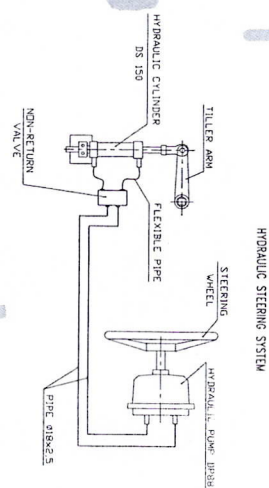
IFB# 202101057

HAR#8 WB

Item	Description	QTY	Unit	Unit price	Total
1	Cleaning and flushing the accumulated salts & dirt's	1	L/S		
3	Replace damaged & corroded plates	10	M2		
4	Replace Fender channel	30	M		
5	Replace Side Rubber fender (D shape with dimension 120x120 x L 600 mm)	30	M		
6	Replace front Rubber (cylindrical-shape with dimension (O.D 300x I.D 150 x L 300 mm)	20	Each		
7	Install new GB & engine with required modification	2	Assy.		
8	Replace elec. System	1	L/S		
9	Replace rudder steering gear mechanism as per attached drawing	2	Assy.		
10	Repair propulsion sys.(SIMPLEX TYPE)	2	Assy.		
11	Repair crane sys.	1	Assy.		
12	Re-decoration the wheelhouse with insulation	1	Assy.		
13	Repair/ replace the electric bilge pump & replace if needed.	3	Each		
14	Replace/ repair the old hand bilge pump	1	L/S		
15	Sandblast & painting	1	M2		
16	Layout of electrical wiring, instrument and electronic arrangement drawings shall be provided by contractor	1	L/S		
17	Replace handrail	20	M		
18	Replace ventilation & cooling duct with full insulation, two layer of cladding	4	Unit		
19	Replace deck plate with CHEQUERER plate 4mm thick.	40	M2		
20	Install cathodes protection unit under water line	8	Each		
21	Install new elec. Work boat Speed controller	1	Assy.		
22	Replace intermediate shafts coupling with flex coupling elastic type (APC will provide the coupling)	2	Each		
23	Provide life rings.	3	Each		

****Electrical parts required for each work boat.**

Item	Description	Unit	QTY	Unit price	Total
1	OIL PRESS SWITCH.	EA	2		
2	Engine Pressure Sender, 0-5 bar,	EA	2		
3	Engine Oil Pressure Gauge 12 V , 0-5 bar	EA	2		
4	ENGINE TEMP switch, DEUTZ	EA	2		
5	Deutz Engine Parts Water Temperature sensor	EA	2		
6	Engine Temp Gauge , 12 V ,	EA	2		
7	Gear Oil TEMP Gauge 12V ,	EA	2		
8	Gear oil Temp Switch ,105C ,	EA	2		
9	Gear oil Temp Sender, 120C ,	EA	2		
10	Gear Oil Pressure Gauge 0-25 bar , 12V,	EA	2		
11	Gear Pressure Sender ,0-25 Bar,	EA	2		
12	Gear Oil Pressure Switch	EA	2		
13	Fuel Level Sensor, Wema SSL, SUS 316 Stainless Steel, IP67, Output range : 240 - 33 ohm	EA	2		
14	Rudder Angle Indicator, 12VDC,	EA	1		
15	PIEZO PULSE BUZZER, RADIO SHACK, , 12VDC, BUZZER	EA	1		
16	BATTERY MAIN SWITCH (SE1) POSITION NO. 2 DRAWING PWB-526-001	EA	1		
17	RUDDER POSITION SENSOR,	EA	1		
18	ENGINE UNIVERSAL PANEL	EA	1		
19	DC Circuit Breaker Panel, BEP 16 Way MCB panel 904NM, consists of: 4(5A),5(10A),5(15A),1(20A),1(25A), 12VDC, single pole MCBs.	EA	1		
20	Latching Signal/Power Connector, 16 Poles, Male Plug? Female Socket, Screw Terminals, Wash-down Environment,	EA	3		
21	light, 12VDC, 40 watt with lamp for engine room	EA	6		
22	PUSH BUTTON, Start, EMAC, TURKEY	EA	4		
23	Electrical wires	L/S	1		



29	250000	2
28	250000	2
27	250000	2
26	250000	2
25	250000	2
24	250000	2
23	250000	2
22	250000	2
21	250000	2
20	250000	2
19	250000	2
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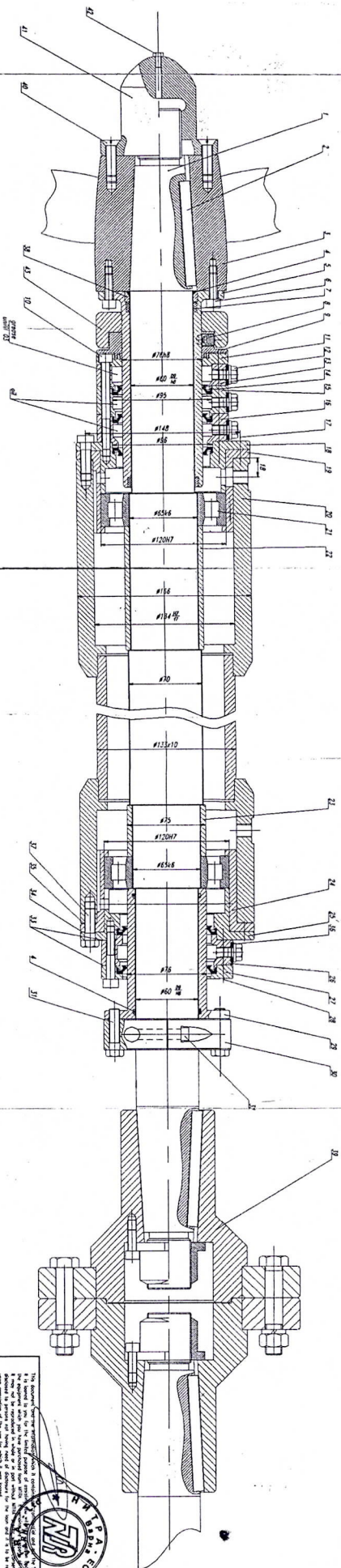
29	Distorted wood deck/sid	1
30	Emergency filler	1
31	Plug	1
32	Pow 275x6	1
33	Steering wheel	1
34	Hydraulic zone 2183	1
35	Hydraulic connection	2
36	Pow 218x2.5 1.1 - 5 m	2
37	Hydraulic cylinder 2115x5	1
38	Thinner var	1
39	Unit 105x4	2
40	Bearing 2230x2C	2
41	Pow 14x30	2
42	Seal 80x20x10	2
43	Cover	2
44	Spring washer 12	14
45	Unit 10	14
46	Bolt M2	18
47	Grass 400x6	2
48	Spring bearing	2
49	Router Lute	2
50	Spring washer 10	12
51	Bolt M10	12
52	Key 10x22	2
53	Seal 50x50x12.2	2
54	Bolt M10	2
55	Router 50x10	2
56	Router 50x10	2
57	Router 50x10	2
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95	Router 50x10	2
96	Router 50x10	2
97	Router 50x10	2
98	Router 50x10	2
99	Router 50x10	2
100	Router 50x10	2

PUSH WORK BOAT
model: "VARNA - 527"

WB - 522 - 004.1

STEERING SYSTEM

NTMA Drawing No. :	Final
Quoted Drawing No. :	



Part No.	Part Name	QTY	Part No.	Part Name	QTY
1	Propeller nut	1	21	Bearing cap (left)	1
2	Propeller nut	1	22	Bearing cap (right)	1
3	Propeller nut	1	23	Bearing cap (left)	1
4	Propeller nut	1	24	Bearing cap (right)	1
5	Propeller nut	1	25	Bearing cap (left)	1
6	Propeller nut	1	26	Bearing cap (right)	1
7	Propeller nut	1	27	Bearing cap (left)	1
8	Propeller nut	1	28	Bearing cap (right)	1
9	Propeller nut	1	29	Bearing cap (left)	1
10	Propeller nut	1	30	Bearing cap (right)	1
11	Propeller nut	1	31	Bearing cap (left)	1
12	Propeller nut	1	32	Bearing cap (right)	1
13	Propeller nut	1	33	Bearing cap (left)	1
14	Propeller nut	1	34	Bearing cap (right)	1
15	Propeller nut	1	35	Bearing cap (left)	1
16	Propeller nut	1	36	Bearing cap (right)	1
17	Propeller nut	1	37	Bearing cap (left)	1
18	Propeller nut	1	38	Bearing cap (right)	1
19	Propeller nut	1	39	Bearing cap (left)	1
20	Propeller nut	1	40	Bearing cap (right)	1
21	Propeller nut	1	41	Bearing cap (left)	1
22	Propeller nut	1	42	Bearing cap (right)	1
23	Propeller nut	1	43	Bearing cap (left)	1
24	Propeller nut	1	44	Bearing cap (right)	1
25	Propeller nut	1	45	Bearing cap (left)	1
26	Propeller nut	1	46	Bearing cap (right)	1
27	Propeller nut	1	47	Bearing cap (left)	1
28	Propeller nut	1	48	Bearing cap (right)	1
29	Propeller nut	1	49	Bearing cap (left)	1
30	Propeller nut	1	50	Bearing cap (right)	1
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44	Propeller nut	1	64	Bearing cap (right)	1
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75	Propeller nut	1	95	Bearing cap (left)	1
76	Propeller nut	1	96	Bearing cap (right)	1
77	Propeller nut	1	97	Bearing cap (left)	1
78	Propeller nut	1	98	Bearing cap (right)	1
79	Propeller nut	1	99	Bearing cap (left)	1
80	Propeller nut	1	100	Bearing cap (right)	1

PROPELLER SHAFT ASSEMBLY
 PWB-524-002-000
 SCALE: 1:1
 DATE: 1/15/55
 DRAWN: 40
 CHECKED: 40
 APPROVED: 40
 PARTS LIST: 40

NITRA small craft design
 37000 1st Ave. S.E. - 40000 1st Ave. S.E.
 37000 1st Ave. S.E. - 40000 1st Ave. S.E.
 37000 1st Ave. S.E. - 40000 1st Ave. S.E.

