



THE ARAB POTASH COMPANY PLC

Tender Terms and Conditions

For IFB Number 202201739/DH

**Replace in Stock (C.S Pipe Size 12 Inch) of
Harvesters Slurry Lines Distributed on APC Dikes**

THE ARAB POTASH COMPANY PLC
Tel. No. +962-6-5200520 - Fax No. 962-3-2305125
Terms and Conditions for IFB Number 202201739/DH
Replace in Stock (C.S Pipe Size 12 Inch) of Harvesters Slurry Lines
Distributed on APC Dikes

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.
 - The Declaration of Abidance with the conflict of interest.
 - 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 closing date.
4. The prices include the revenue stamps which, in case of award and within 7 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 Bid bond, Abidance, and the Declarations Certificates Envelope:

Shall be submitted duly filled and signed as appropriately required.

The declaration of the other payments, the prohibited payments and conflict of interest 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 202201739/DH** 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 and within (10 days) shall bear the obligation towards the company for submitting an autorenwable 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 at 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. Completion Time:

Within (Four Months) from the date of the purchase order.

40. Method of Payment:

Progress Payments according to the actual quantity replaced, noting that the minimum invoice value shall be JOD 50,000.00

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. Attach declaration form of abidance by tender terms, conditions & technical specifications shall be filled, signed & stamped “Page No. 11”.

44. Attach declaration form of other payments & prohibited payments, shall be filled, signed & stamped “Pages No. 12 & 13”.

45. Attach declaration form for the conflict of interest shall be filled, signed & stamped “Pages No. 14, 15 & 16”.

46. 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.
45. 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.
46. Foreign construction contractors must obtain the approval of the cabinet (Government of Jordan) before awarding.
47. The company reserves the right to disregard any bid which does not strictly follow the aforementioned terms and conditions.
48. **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.
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 **202201739/DH Replace in Stock (C.S Pipe Size 12 Inch) of Harvesters Slurry Lines Distributed on APC Dikes**

"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 202201739/DH.**

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 202201739/DH** "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 202201739/DH** "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.

نموذج إقرار وكشف عن تضارب مصالح

تحظر أنظمة وسياسات شركة البوتاس العربية ومدونة السلوك الوظيفي على موظفيها وأفراد عائلاتهم والأقارب لغايات الدرجة الثانية في أية تعاملات لهم مع المقاولين الذين تتعاقد مع شركة البوتاس العربية لإنجاز أعمال أو مشاريع أو تقديم خدمات سواء أكانت تعاملات تؤدي إلى مصلحة مالية بها أو غير ذلك ، وتحظر كافة أشكال "تعارض المصالح" الفعلية أو المحتملة وهو موقف تؤثر فيه الاعتبارات المالية أو الشخصية الأخرى أو يبدو أنها تؤثر على الحكم في تنفيذ أعمال العطاء.

يجب على المناقص الذي يرغب في التقدم للدخول في العطاء المطروح من شركة البوتاس العربية رقم **IFB No. 202201739/DH** استكمال تعبئة بيانات هذا النموذج وتوقيعه وختمه حسب الأصول من المفوض بالتوقيع وإرفاقه ضمن وثائق العطاء الأخرى حسب تعليمات وشروط الدخول بالعطاء. ويهدف هذا النموذج إلى تحديد وجود تضارب مصالح مباشر أو غير مباشر أو محتمل مع مصالح أي من موظفي و/أو أفراد عائلة و/أو أقارب موظفي الشركة من عدمه.

يرجى تحديد المربع المناسب لكل سؤال واستكمال المرفق إذا تمت الإشارة إليه:

1. هل أنت بصفة شخصية أو الشركة المتقدم بإسمها للمناقصة أو أحد الشركاء فيها أو أحد أفراد عائلتك المباشرين من الدرجة الأولى (الأصول والفروع أب أم ابن ابنه الزوج الزوجه) أو الأقارب والنسب من الدرجة الثانية (الجد والجده والأخوة والأخوات والأحفاد) أو لأحد الشركاء معك تعاملات أو مصلحة مالية أو تجارية أو علاقة شخصية أو علاقة عمل مع أي من موظفي شركة البوتاس العربية أو أحد أفراد عائلتهم أو أحد أقاربهم من الدرجة الثانية أو مع أي شخص متعاقد بصفة شخصية مع شركة البوتاس العربية:

☐ نعم (إذا كانت الإجابة بنعم يرجى استكمال المرفق)
☐ لا

2. هل أنت بصفة شخصية أو الشركة المتقدم بإسمها للمناقصة أو أحد الشركاء فيها أو أحد أفراد عائلتك المباشرين من الدرجة الأولى (الأصول والفروع أب أم ابن ابنه الزوج الزوجه) أو الأقارب والنسب من الدرجة الثانية (الجد والجده والأخوة والأخوات والأحفاد) أو لأحد الشركاء معك تعاملات أو مصلحة مالية أو تجارية أو علاقة شخصية أو علاقة عمل مع أي من متعاقدي شركة البوتاس العربية أو أحد أفراد عائلتهم أو أحد أقاربهم من الدرجة الثانية:

☐ نعم (إذا كانت الإجابة بنعم يرجى استكمال المرفق)
☐ لا

3. هل أنت بصفة شخصية أو الشركة المتقدم بإسمها للمناقصة أو أحد الشركاء فيها أو أحد أفراد عائلتك المباشرين من الدرجة الأولى (الأصول والفروع أب أم ابن ابنه الزوج الزوجه) أو الأقارب والنسب من الدرجة الثانية (الجد والجده والأخوة والأخوات والأحفاد) أو لأحد الشركاء معك تعاملات أو مصلحة مالية أو تجارية أو علاقة شخصية أو علاقة عمل مع أي من أعضاء مجلس إدارة شركة البوتاس العربية أو أحد أفراد عائلتهم أو أحد أقاربهم من الدرجة الثانية:

☐ نعم (إذا كانت الإجابة بنعم يرجى استكمال المرفق)
☐ لا

4. هل أنت بصفة شخصية أو الشركة المتقدم بإسمها للمناقصة أو أحد الشركاء فيها أو أحد أفراد عائلتك المباشرين من الدرجة الأولى (الأصول والفروع أب أم ابن ابنه الزوج الزوجه) أو الأقارب والنسب من الدرجة الثانية (الجد والجده والأخوة والأخوات والأحفاد) أو لأحد الشركاء معك تعاملات أو مصلحة مالية أو تجارية أو علاقة شخصية أو علاقة عمل مع أي من موظفي وأعضاء مجالس و/أو هيئة مديري الشركات التابعة والمملوكة لشركة البوتاس العربية أو أحد أفراد عائلتهم أو أحد أقاربهم من الدرجة الثانية أو مع أي شخص متعاقد بصفة شخصية مع هذه الشركات:

☐ نعم (إذا كانت الإجابة بنعم يرجى استكمال المرفق)
☐ لا

تحذير: قد يؤدي العلم بخطأ البيانات أو وجود بيانات مخادعة تم إدراجها ضمن النموذج أعلاه إلى رفض عرض المناقص أو إنهاء الاحالة مع شركة البوتاس العربية في تطبيق شروط وأحكام وثائق العطاء وتحصيل قيمة الكفالات المقدمة.

شهادة وإقرار

لقد قرأت نموذج الإقرار والكشف عن تعارض المصالح وأفهم بنوده. ولقد قمت بالإجابة والإفصاح الصحيح عن جميع المعلومات المطلوبة من خلال هذا الكشف، إن وجدت، في بيان المرفق. وأوافق على الإمتثال لأية شروط أو قيود تفرضها شركة البوتاس العربية للحد من تضاربات المصالح الحقيقية و/أو المحتملة أو التخلص منها. وأتحمل نتيجة الإجابة غير الصحيحة وأقر بصحة ما ورد في النموذج ومرفق الإفصاح، وأتعهد بالإفصاح لاحقاً عن أي حالات تشكل تضارب مصالح حقيقي أو محتمل وسأقوم بتحديث نموذج الكشف هذا على الفور عند تغير الملابسات المرتبطة به. وأدرك أن نموذج الكشف هذا ليس مستنداً سرياً.

وأشهد وأقر بأنني لم أحصل على أية معلومات تتعلق بالعتاء أو محاولة الحصول عليها من أي شخص يعمل في شركة البوتاس العربية بطرق غير مشروعة لتحقيق منفعة شخصية أو مالية.

وفي حال حددت أو وجدت شركة البوتاس العربية أي حالة من حالات تعارض المصالح سواء حقيقي أو محتمل لها حق إنهاء العطاء أو المناقصة فوراً دون الحاجة لإعذار أو قرار قضائي مسبق مع الالتزام بأي تعويضات مالية تترتب بحقي بهذا الخصوص من ضمانات وثائق المناقصة.

التاريخ

توقيع المناقص والختم

إسم المناقص

تحذير: قد يؤدي العلم بخطأ البيانات أو وجود بيانات مخادعة تم إدراجها ضمن النموذج أعلاه إلى رفض عرض المناقص أو إنهاء الاحالة مع شركة البوتاس العربية في تطبيق شروط وأحكام وثائق العطاء وتحصيل قيمة الكفالات المقدمة.

مرفق نموذج إقرار وكشف عن تضارب المصالح

إذا قمت بالإجابة بنعم على أي من الأسئلة الواردة بالصفحة السابقة، فالرجاء استكمال القسم/الأقسام الواردة أدناه.
وإذا قمت بالإجابة بلا على جميع الأسئلة، فيمكنك تجاهل هذا المرفق. قم بتقديم هذا المرفق مع النموذج المكتمل موقع ومختوم مع وثائق العطاء.

معلومات حول تضارب المصالح

• إسم أو أسماء الأشخاص الكامل وصفتهم الوظيفة الذين تم الاجابة بنعم في النموذج بوجود تضارب مصالح :

1.

2.

3.

4.

5.

6.

7.

• حالة القرابة والعلاقة التي تربطك مع الشخص أو الأشخاص أعلاه سواء مصلحة مالية أو تجارية أو شخصية مع ذكرها:

.....

• بيان طبيعة تضارب المصالح معهم (حقيقي أو محتمل أو فعلي أو مباشر أو غير مباشر)

.....

• بيان وصف منصب الشخص أو الأشخاص أعلاه / وإن كان يتيح لهم المشاركة بأي قرار في العطاء سواء في التقييم أو التنفيذ أو

حصولك على معلومات داخلية منهم عن أعمال شركة البوتاس العربية

.....

.....

التاريخ

توقيع المناقص والختم

إسم المناقص

تحذير: قد يؤدي العلم بخطأ البيانات أو وجود بيانات مخادعة تم إدراجها ضمن النموذج أعلاه إلى رفض عرض المناقص أو إنهاء الاحالة مع شركة البوتاس العربية في تطبيق شروط وأحكام وثائق العطاء وتحصيل قيمة الكفالات المقدمة.

1. Introduction

This specification covers the Arab Potash Company requirements, hereinafter called APC for replace harvesters' slurry lines distributed on APC dikes (C.S pipe size 12") with total length 10,000 Meter, as per APC IR#. (35/2022).

2. Site visit

- 2.1. Bidders shall inspect and compare the Work site and tender Documents to evaluate the location of the Work, the actual environmental conditions of the work site, and surface and generally recognized as inherent in the Work.
- 2.2. If the Bidder finds facts or conditions which appear to conflict with the tender Documents or with any other data made available to the Bidder relating to the Work, the Bidder shall promptly notify APC in writing.
- 2.3. Bidders shall obtain military permission before the site visit; APC will provide a support letter.

3. Contractor Scope of Work & Responsibilities

3.1. Scope of Work

- 3.1.1. The contractor shall perform a detailed survey of the work locations and installations and shall propose a workable solution for any work if the site survey proves any obstacles, conflicts.
- 3.1.2. Receiving and transporting pipes, flanges, fittings, elbows, and valves from the warehouses at the Numeira site and the factory to the work site.
- 3.1.3. Handling (loading, unloading, ... etc.) and distributing pipes and other materials on their locations in a safe manner according to work requirements.
- 3.1.4. Disassemble and clean all the flanges from the old lines to be ready for reuse.
- 3.1.5. Release existing pipelines from the supports, cut and remove worn out sections to scrape yards.
- 3.1.6. Fabricate and install new pipeline sections to replace the worn-out sections of the existing pipelines as per inspection report issued by APC.
- 3.1.7. Installing flexible hose connections, after installing flanges on the end of the pipes, as well as valves (bleeders) for every 500 meters so that the installation is done according to the instructions of the supervising engineer and the reality of the pipes to be removed.
- 3.1.8. Fabricate and install spool pieces for "pumps Suction & discharge".
- 3.1.9. Providing all necessary equipment such as flatbeds, trucks, cranes, loaders Etc.
- 3.1.10. Collect all scrape materials (old pipes, fittings, steel materials ...etc.) and transfer it to APC scrape yard.
- 3.1.11. Contractor is to execute all handling supports, erecting stiffeners and all kinds of temporary material and supporting for the completion of the works etc....as agreed with Employer's engineer and contractor is responsible for removing all temporary arrangements from the work site.
- 3.1.12. Supply and application of touch-up paint for welding joints and/or pipes paint scratches.

- 3.1.13. Surplus materials purchased by the Contractor will remain the property of the contractor and will not be charged to Employer.
- 3.1.14. Providing fuel, consumables and service for equipment and vehicles required for carrying out the Work under this contract.
- 3.1.15. Tie -in works for preassembled sections is subjected to APC project approval to match harvesters' operation plan, to be scheduled during harvesters PM stoppage.

3.2. Contractor Responsibilities

- 3.2.1. Provide labor and tools necessary to complete the described scope except as specifically noted herein
- 3.2.2. Provide equipment necessary to complete the described scope such as but not limited to
 - 3.2.2.1. lifting cranes with all accessories, slings, shackles...etc.
 - 3.2.2.2. Supplying welding wires 6013 and 7018, preferably LINCOLIN or BOHLER.
 - 3.2.2.3. Providing all fixation materials: Bolts, nuts, washers, clamps, gasket, and all necessary items to complete the work.
 - 3.2.2.4. Lowboys and trailers
 - 3.2.2.5. Water tankers & cleaning equipment
 - 3.2.2.6. Electric generators for power supply.

3.3. APC Responsibilities

- 3.3.1. Supply new carbon steel pipes & fittings.
- 3.3.2. Supply Valves & flexible hoses.
- 3.3.3. Prepare the sites for cranes and lowboys at both sites and transportation route (Civil Works)
- 3.3.4. Provide all necessary data, drawings.

4. General Requirement

- 4.1. Contractors' employees shall have social security coverage as stated by the law. This requirement applies to laborers, workers, and mechanics whether they are employed by the Contractor or Subcontractors.
- 4.2. The tenderer shall study the specification and satisfy himself thoroughly regarding the workability and shall take full responsibility for the quality and completeness of the work.
- 4.3. Equipment like welding machines, grinding machines, sand blasting machines, including labor, all tools & tackles shall be arranged by the contractors, at their cost
- 4.4. The tenderer should include charges of all these items in the price schedule while quoting
- 4.5. The contractors shall provide accommodation, meals, and transportation for their employees

5. **Submittals:**

The successful Contractor shall submit to the project manager the following for approval before starting the work

- 5.1. Method of statement
- 5.2. Lifting plan
- 5.3. Cranes, lifting slings and accessories certificates
- 5.4. Staff CVs and certifications
- 5.5. Work schedule

6. **Welding:**

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.

6.1. **Welding procedure:**

- 6.1.1. Clean the surface before starting the welding.
- 6.1.2. Root pass should be executed by electrode 6010 as per (AWS A 5.1)
- 6.1.3. Filling & cover passes should be executed by electrode 7018 as per (AWS A 5.1)

6.2. **All welds shall be full strength seal welds & free from the following: -**

- 6.2.1. Cracks in the welds or adjacent surfaces.
- 6.2.2. Slag inclusions.
- 6.2.3. Porosity.
- 6.2.4. Lack of fusion at the edge of the weld.
- 6.2.5. Undercut.
- 6.2.6. Lack of penetration at the root of the weld.
- 6.2.7. Excessive penetration bead.
- 6.2.8. Accordingly, 100% visual inspection shall be carried out looking for the a/m defects.

7. **SAFETY, SECURITY AND HOUSEKEEPING**

7.1. Consideration to safety, personnel and environment protection shall be taken in all aspects of Contractor's work scope activities and shall fully comply with the requirements of all local safety codes, regulations, and approved standards, that includes but not limited to:

Safety work instruction for wearing personal protection equipment (PPE) in workplace, the overhead cranes and hoisting ropes, mobile crane lift, ladders and scaffolding conditions, working inside confined & semi-closed spaces, welding process, Storage and handling instructions for compressed gas cylinders, Electrical isolation and lock out procedure, Hot work permit procedure, using proper electrical plugs and cables, driving vehicles, the operating and driving forklift.

- 7.2. To develop safety plans, TRA (Task Risk Assessment) and rules to be followed during the erection and installation activities. The safety plans, TRA and rules are to be submitted for approval by the Employer. The Contactor is directed to follow the following Employer rules, procedures, and polices:
- A. safety and protection rules and specifications
 - B. HSE environmental policy
 - C. Excavation work permit procedures
 - D. hot work permit procedures
 - E. cold work permit procedures
 - F. LOGO procedures
 - G. working in confined spaces permit procedures
 - H. any other policies related to entry work.
- 7.3. Complying with APC service provider's safety procedure (attached).
- 7.4. The Contractor's staff must be committed with APC safety regulations and lectures that they will attend after awarding the contract (attached).
- 7.5. Contractor shall follow strictly the APC safety regulation, and shall provide PPEs and all safety tools to his staff, such as: helmets, safety shoes, protection glasses, welder's safety equipment
- 7.6. Contractor shall isolate the construction work area by guard rails and safety ribbons.
- 7.7. The Contractor is responsible in case of any accident may occur among his staff (the APC hasn't any responsibility in case of any accident occurs to his staff).
- 7.8. All crane operator and riggers shall be certified.
- 7.9. Contractor shall provide APC with his lifting plan upon request, that shall include: the proposed location for lift and cranes capacity and load chart of the cranes, each lift path, the lifts schedules and time and the certified operators and riggers CVs, Contractor's plan for critical lift shall be approved by APC in advance before proceeding.
- 7.10. Contractor will be responsible for any damage may occur resulting from improper lifting, rigging or under estimation for load capacities of lifting component and members.
- 7.11. It is forbidden to any worker to work more than 14 hours per day.
- 7.12. Contractor's staff shall use only the main gate for in and out APC plants site and they shall comply with APC security regulations and the approved procedure of entering personnel and materials.
- 7.13. It is forbidden to enter weapons, drugs, alcohol ...est. to APC plants.
- 7.14. The site workplace shall be always kept in a clean and safe condition, The Contractor shall remove all construction waste on daily basis and prior to acceptance of the work at work completion.
- 7.15. During the work inside APC plants site the Contractor daily working hours are from 8:00 AM to 4:00 PM. Friday and Saturday are holidays.
- 7.16. It is forbidden to any worker to work more than 14 hours per day, overtime shall be approved by APC in advance

8. Technical Evaluation criteria:

No.	Description	Score
1	Compliance with tender documents and general requirement	5%
2	Contractor capability / staff technical skills and experience	30%
3	Equipment to be used in dismantling and transferring (Cranes & Lowboys)	10%
4	APC experience with the contractor (performance, quality, safety compliance & similar works)	10%
5	Project completion duration	25%
6	Safety plan & Quality Assurance including task risk assessment	10%
7	Compliance with Safety with evidence of LTI's along with schedule of all employees / manpower from social security Insurance	10%
The minimum passing score for technical evaluation is 70% The sub-contractors will be subjected to the above evaluation regarding the field of the assigned works, if any of the sub-contractor's fails will lead to reject the tender.		

- Matrix for Tender's Evaluation will be according to below formula based on **30 %** weight for commercial evaluation and **70 %** weight for technical evaluation.
- Final Score = ((Weight of Technical Evaluation) *(Technical Score)) + ((Weight of Commercial Evaluation) *(Least Price/Bidder Offer)).

9. BOQ

S/N	Location	Unit	QTY	Unit Price (JD)	Total Price (JD)
1	Receiving and transporting pipes, flanges, fittings, elbows, and valves from the warehouses & Handling (loading, unloading, ... etc.) and distributing pipes and other materials on their locations.	L/S	1		
2	Disassemble and clean all the flanges from the old lines to be ready for reuse.	EA	80		
3	Replace Pipeline of Station J.1 To C.3 station	Meter	1700		
4	Replace Pipeline of Station J.2 To C.3 station	Meter	1800		
5	Replace Pipeline of station M.2 To C.3 station	Meter	2000		
6	Replace Pipeline of Station D.1 To C.3 station	Meter	1000		
7	Replace Pipeline of Station F.1 To C.3 station	Meter	800		
8	Replace Pipeline before Station H.2 To H.2 station, Line # 1 (northern) & after station H.2 to C.3 to be line # 2 (middle)	Meter	120		
9	Replace Pipeline before Station H.2 To H.2 station, Line # 2 (southern) & after station H.2 to C.3, to be line # 1 (southern)	Meter	1300		
10	Replace Pipeline from Station H.2 To C.3 station, Line # 3 (Northern)	Meter	450		
11	Pipeline No. 2 from C.3 Station. To S station	Meter	100		
12	Pipeline No. 7 from C.3 Station. To S station	Meter	12		
13	Pipeline # 2 After Station K.2 & before K.1 to intersect dick # 3&9	Meter	12		
14	Pipeline No. 2 from intersect dick # 3&9 to administration building	Meter	100		
15	Pipeline No. 4 from intersect dick # 3&9 to administration building	Meter	130		
16	Pipeline No. 8 from intersect dick # 3&9 to administration building	Meter	500		
17	Specify other works needed				



THE ARAB POTASH COMPANY
Maintenance Department/ Inspection Section

تقرير بالتوصيات الفنية

WORK REQUEST NO.

5649399 / 5649400 / 5649401 / 5649402 / 5649403
/5649404 / 5649405 / 5649406 / 5649407 / 5649408



Report No. (35 / 2022)	Page No. (1 of 31)	Form qp 104 – Irev.a
Date : (10 / 3 / 2022)	Equipment No. (all pumps stations lines)	
Equipment Nome: (HARVESTER SLURRY PIPELINE ON PANS DIKES)		

Kindly find below inspection findings for harvester slurry line carried out during Jan & Feb – 2022, The summary results:

- 1) The total length of the pipelines inspected approximately (76) km.
- 2) The length of the pipelines inspected a good condition approximately (37.5) km , where the ranging measured thickness (6.0 to 10.0)mm.
- 3) The length of the pipelines inspected a reasonable condition approximately (25.7) Km , where the ranging measured thickness (4.5 to 5.9) mm.
- 4) The length of the pipelines inspected which need replacement approximately (14) Km , where the measured thickness less than (4.2) mm.
- 5) The elbows, spools & saddle of pumps # J.1, J.2, M.2, D.1, F.1, H.2, S. station, K.2 & K.1 suction & discharge are need replacement.
- 6) The attached tables are showing harvesters pipeline wall measurement thickness.

Recommendations:

- 1) It is recommended to replace (14) km. of the 12" carbon steel pipes, according to priority of the pipe wall thickness in the following justifications:
 - * **Priority # 1:** Replace about 8000 mtr, where the pipe wall thickness less than 3.5 mm.
 - * **Priority # 2:** Replace about 6000 mtr, where the pipe wall thickness which between (3.6 to 4.3) mm.
- 2) Replace all weak elbows and small spools at suction & discharge of pumps # J.1, J.2, M.2, D.1, F.1, H.2, S. station, K.2 & K.1 suction & Disch. station.

Best Regards

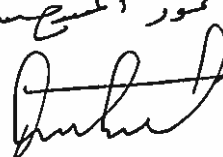
المسمى الوظيفي	مهندس التفتيش	ناظر التفتيش الهندسي	مدير التخطيط والموثوقية
التوقيع	م. محمود مبيضين	م. احمد الحواتمة	م. عثمان الرهايفة

10/3/2022

10.3.2022

Summary of Harvester Slurry Pipelines Inspection Report.

S/N o.	Pipeline Description	Total Length of Pipeline (Mtr).	Length of pipes Good condition (Mtr).	Length of pipes Reasonable condition (Mtr)	Length of pipes required replacement. (Mtr).
1	Pipeline of Station J.1 To C.3 station	7212	4044	876	2292
2	Pipeline of Station J.2 To C.3 station	7464	1164	4092	2208
3	Pipeline of station M.2 To C.3 station	5448	1068	1716	2664
4	Pipeline of Station D.1 To C.3 station	4752	1824	1380	1548
5	Pipeline of Station F.1 To C.3 station	4080	864	2448	768
6	Pipeline before Station H.2 To H.2 station ,Line # 1 (northern) & after station H.2 to C.3 to be line # 2 (middle)	4368	3420	828	120
7	Pipeline before Station H.2 To H.2 station, Line # 2 (southern) & after station H.2 to C.3, to be line # 1 (southern)	4272	1896	624	1752
8	Pipeline from Station H.2 To C.3 station, Line # 3 (Northern)	2244	1644	156	444
9	Pipeline No. 1 from C.3 Station. To S station (Northern)	636	576	60	0.0
10	Pipeline No. 2 from C.3 Station. To S station	636	0.0	540	96
11	Pipeline No. 3 from C.3 Station. To S station	636	612	24	0.0
12	Pipeline No. 4 from C.3 Station. To S station	648	636	12	0.0
13	Pipeline No. 5 from C.3 Station. To S station	660	372	192	96
14	Pipeline No. 6 from C.3 Station. To S station	660	660	0.0	0.0
15	Pipeline No. 7 from C.3 Station. To S station	672	0.0	660	12
16	Pipeline No. 8 from C.3 Station. To S station (Southern)	684	684	0.0	0.0
17	Pipeline # 1 before Station K.2 To intersect dick # 3&9	5580	4620	960	0.0
18	Pipeline # 2 After Station K.2 & before K.1 To intersect dick # 3&9	3468	1632	1824	12

تمور الحسني

 ٩. 3. 22

S/No.	Pipeline Description	Total Length of Pipeline (Mtr)	Length of pipes Good condition (Mtr)	Length of pipes Reasonable condition (Mtr).	Length of pipes required replacement. (Mtr)
19	Pipeline No. 1 from S.1 Station. To intersect dick # 3&9 (western)	900	900	0.0	0.0
20	Pipeline No. 2 from S.1 Station. To intersect dick # 3&9	900	12	888	0.0
21	Pipeline No. 3 from S.1 Station. To intersect dick # 3&9	900	24	276	600
22	Pipeline No. 4 from S.1 Station. To intersect dick # 3&9	900	96	804	0.0
23	Pipeline No. 5 from S.1 Station. To intersect dick # 3&9	900	96	792	12
24	Pipeline No. 6 from S.1 Station. To intersect dick # 3&9	900	36	852	12
25	Pipeline No. 7 from S.1 Station. To intersect dick # 3&9	900	24	876	0.0
26	Pipeline No. 8 from S.1 Station. To intersect dick # 3&9	900	96	768	36
27	Pipeline No. 1 from intersect dick # 3&9 to administration building (eastern)	1656	1656	0.0	0.0
28	Pipeline No. 2 from intersect dick # 3&9 to administration building	1656	528	1008	120
29	Pipeline No. 3 from intersect dick # 3&9 to administration building	1656	1365	300	0.0
30	Pipeline No. 4 from intersect dick # 3&9 to administration building	1656	1524	0.0	132
31	Pipeline No. 5 from intersect dick # 3&9 to administration building	1656	1656	0.0	0.0
32	Pipeline No. 6 from intersect dick # 3&9 to administration building	1656	1608	0.0	48
33	Pipeline No. 7 from intersect dick # 3&9 to administration building	1656	1656	0.0	0.0
34	Pipeline No. 8 from intersect dick # 3&9 to administration building	1680	180	972	528
35	Pipeline No. 9 from intersect dick # 3&9 to administration building	1680	312	1368	0.0
36	Total Length	76281	37485	25128	13668


 10-3-22

Location of the pipes which need replacement as below priority

Priority # 1 less than 3.5

Priority # 2 between (3.6 to 4.3)

No.		Priorities
J.1		
1	Replace from pipe # (1 to 4) & (62 to 114), Also spool before # (62) & after (114) at dick P.D.2 (Before J.1)	Priority # 1
2	Replace from pipe # (7 to 31) except pipe # (13) (From Dike # 2 & 4 to interrupt Dike # 4 & 15)	Priority # 1
3	Replace from pipe # (34 to 72) + pipe # (78) at dick # 4 (From interrupt 4 & 15 to M.1 station)	Priority # 1
4	Replace from pipe # (01 to 32) at dike # 4 Middle pump (From M.1 to interrupt dike # 4 & 6)	Priority # 1
5	Replace from pipe # (51 to 87) at dick # 04 (From interrupt 4 & 6 to 4 & 7)	Priority # 1
J. 2		
1	Replace Pipe # (9) & from pipe # (131 to 134), also spools before pipe # (131) at dick # 17 (before J.2)	Priority # 1
2	Replace spool between pipe # (5 & 6), Also Pipe # (9) , spool & (10) / And from pipe # (16 to 37) at dick # 17 + PD.1 (After J.2)	Priority # 1
3	Replace from pipe # (1 to 114) at dike PD.1 + Dike # 17 (From intersection J.1 With J.2 to Dike # 4)	Priority # 1
4	Replace pipe # (4) (beginning Dike # 2 & 4 to interrupt Dike # 4 & 15)	priority # 2
5	Replace from pipe # (01 to 14) at dike # 4 (From interrupt 4 & 15 to M.1 station)	priority # 2
6	Replace from pipe # (16 to 47) at dike # 4 (From interrupt 4 & 6 to 4 & 7)	Priority # 1
M. 2		
1	Replace from pipe # (1 to 64) at dick # 15 (After M.2)	priority # 1
2	Replace from pipe # (71 to 95) + (106) + (139 to 150) at dick # 15 (After M.2)	priority # 2
3	Replace from pipe # (3 to 49) at Dike # 4 (From interrupt 4 & 15 to M.1 station)	priority # 2
4	Replace from pipe # (6 to 30) at dike # 4 South pump (From M.1 to interrupt dike # 4 & 6)	priority # 2
5	Replace from pipe # (1 to 15) + (51 to 64) at dike # 4 (From interrupt (4 & 6 to 4 & 7	priority # 2
6	Replace from pipe # (76 to 90) at dike # 4 (from ierrupt 4 & 7 to 4 & 8)	Priority # 1
D. 1		
1	Replace from pipe # (166 +167) & spool after 167 at dick # 6 (Before D1 station)	Priority # 1
2	Replace from pipe # (5 to 43) +(56 to 88) at dike # 4 (From interrupt 4 & 6 to 4 & 7)	Priority # 1
3	Replace from pipe # (1 to 10) at dike # 4 (From interrupt 4 & 7 to 4 & 8)	Priority # 1
4	Replace from pipe # (30 to 49) + (60 to 64) + (67 to 85) at dike # 4 (From interrupt 4 & 7 to 4 & 8)	priority # 2
F. 1		
1	Replace from pipe # (131 to 137) at dike # 7 (before F.1 station)	priority # 2
2	Replace pipe # (29) + from pipe # (50 to 59) at dike # 7 (After F.1 station)	priority # 2
3	Replace from pipe # (01 to 43) + pipe # (65) + pipe # (90) at dike # 4 (From interrupt 4 & 7 to 4 & 8)	priority # 2
H.2		
	H.2 (Line # 2 Southern, Before H.2 station)	
1	Replace from pipe # (83 to 92) + (144 to 173) at dick # 8 (Before H.2 station)	Priority # 1
# هنا تم تغير الترتيب نظرا لوجود المضخات , و حسب ترتيب خطوط التفريغ على ارض الواقع :		
	H.2 (Line # 1 Southern, After H.2 Station)	
1	Replace from pipe # (01 to 111) + pipe # (183) at dike # 8 (From station # H.2 to interrupt 4 & 8)	priority # 2
	H.2 (Line # 2 Middle pipe, After H.2 station)	
1	Replace from pipe # (102 to 117) at dike # 8 (From station # H.2 to interrupt 4 & 8)	priority # 2

H.2 (Line # 3 Northern, After H.2 station)		
1	Replace pipe # (138) + from pipe # (151 to 186) at dike # 8 (From station # H.2 to interrupt 4 & 8)	Priority # 1
AFTER C.3 TO S. STATION. (Line # 1 is northern)		
1	Line # 1, Replace elbow between pipe # (40 & 41) at dick# 08 (between C.3 & S. station)	priority # 2
2	Line # 2, Replace from pipe # (09 to 15) + pipe # (40) at dick# 08 (between C.3 & S. station)	priority # 2
3	Line # 5, Replace pipe # (8+9) + pipe # (42) + from pipe # (49 to 54) at dick# 08 (between C.3 & S. station)	Priority # 1
4	Line # 7, Replace pipe #(47) at dick# 08 (between C.3 & S. station)	Priority # 1
FROM S. STATION TO INTURRUPET DICKS 3 & 9.		
1	& S.3 pump Discharge line, Replace from pipe # (08 to 34) +(48 to 70) at dick # 03 (From disch. Pump to interrupt 3 & 9)	Priority # 1
2	S.5 pump Discharge line, Replace pipe # (34) at dick # 03 (From disch. Pump to interrupt 3 & 9)	Priority # 1
3	S.6 pump disch. Line, Replace pipe # (1) at dike # 03 (From disch. Pump to interrupt 3 & 9)	Priority # 1
4	S.8 pump Discharge line, Replace pipe # (35) +(69+70) at dick # 03 (From disch. Pump to interrupt 3 & 9)	Priority # 1
K.2		
	(After K.1 station, Line # 2)	
1	Replace pipe # (70) at dike # 9 (After K.1 station to interrupt 3 & 9)	Priority # 1
ALL LINES FROM INTURRUPET DICKS 4 & 9 TO ADMINISTRATION BUILDING (Line # 1 is eastren)		
1	Replace from pipe # (41 to 50) at dick # 03 (between interrupt 9&3 to administration building)	priority # 2
2	Line # 4, Replace from pipe # (115 to 125) at dick # 03 (between interrupt 9&3 to administration building)	priority # 2
3	Line # 6, Replace from pipe # (112 to 115) at dick # 03 (between interrupt 9&3 to administration building)	priority # 2
4	Line # 8, Replace from pipe # (02 to 36) + (47 to 54) + pipe # (91) at dick# 03 (between Interrupt 9 & 3 to administration building)	priority # 2

station. J. قابل ال

(1800 mtr)



البيوتاس العربية
REPORT No. (/ 2022)
STATION NO (8)
INSPECTE BY قود الجحيش

MAINTENANCE DEPARTMENT / INSPECTION SECTION
HARVESTER PIPE LINE

DICK (PD.2)

INSPECTION DATE (12 / 1 / 2022)

SIZE (12")

PAGE (1 / 28)



البيوتاس العربية

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
Valve															
SPool	5.0	5.0						114	3.6	4.9	4.7	9	8.3	7.1	6.9
Tee	7.9	8.5	6.5						Valve			10	7.6	7.7	7.8
1	3.8	4.0	4.1					SPool	3.5	3.0	hole	15	7.6	7.6	7.7
2	4.3	3.8	3.9						Expansion			23	7.5	7.7	7.7
3	5.2	4.4	5.1						1	لور	3.7	24	7.8	7.8	8.2
	Expansion												Expansion		
4	4.6	3.8	3.0					115	8.0	8.2	8.7	30	7.6	8.0	8.0
5	5.1	4.9	4.9					117	8.0	8.0	7.6	31	8.1	7.7	7.9
10	5.1	4.9	5.2						Expansion			elbow	7.2	6.9	
15	4.9	5.1	5.2					118	7.3	7.4	8.0		Expansion		
20	5.3	4.7	4.8					121	7.6	7.7	7.7				
25	5.4	4.6	4.5						Suction						
35	5.3	5.3	5.4						Pump						
39	4.5	4.8	5.8												
	Expansion														
40	4.9	4.7	5.0					elbow	13.6	12.2	11.6				
45	5.6	5.3	5.1					elbow	11.7	11.8					
48	6.0	5.7	5.2					SPool	4.4	4.3	5.0				
49	5.5	5.2	4.9						Expansion						
50	6.0	5.3	5.8					red.	22.0						
55	5.1	5.2	5.3					SPool	7.4	8.6	8.2				
61	6.3	6.0	5.7						Pump						
	Expansion														
	Blind Flange								disin. line						
Tee	9.7	9.4	9.2					SPool	11.3	10.4	10.3				
SPool	2.7	2.9						red.	7.1	7.1					
62	3.7	4.5	5.3						Expansion						
63	3.5	3.5	4.1					SPool	15.0	14.5	15.0				
64	2.7	3.3	4.1					SPool	6.8	6.4	7.0				
65	4.3	3.3	4.3					SPool	8.5	8.0	7.6				
70	4.3	4.1	4.2					elbow	8.5	8.5	9.0				
74								elbow	7.9	7.6	6.7				
75								SPool	8.6	8.7	8.6				
76	3.9	3.4	4.1					elbow	7.6	7.7	7.5				
	Expansion							SPool	7.3	7.5	7.0				
77	4.0	2.7	2.6					SPool	14.2	14.5					
86	3.7	3.8	3.6					1	7.4	8.0	8.7				
87	5.2	4.6	5.6					2	7.5	7.8	8.0				
89	3.6	4.3	5.2					5	8.1	8.1	7.3				
90	4.1	3.0	4.3					elbow	7.0	7.4	6.7				
95	4.1	4.0	5.0					6	7.8	8.0	7.5				
100	4.1	3.5	3.9					8	7.7	8.1	7.9				
110	3.6	4.9	4.5						Expansion						

Station 2 قبل ال

(2000 mtr)

دائرة ال دة لقاية القاطرة ال دة



THE ARAB POTASH COMPANY

Maintenance Department / Inspection Section

HARVESTER PIPE LINE



البتواس العربية

REPORT No. (/ 2022)

STATION NO (2)

INSPECTE BY: محمد اعلم

DICK (17)

INSPECTION DATE (12 / 1 / 2022)

SIZE (12")

PAGE (2 / 28)

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
1	8.1	8.6	7.9	115	5.2	5.0	5.2	11	8.2	7.8	8.2				
5	8.0	7.8	7.7	120	4.5	5.4	5.0	15	9.4	9.4	9.7				
7	8.7	7.7	8.1	125	5.1	5.6	5.9	16	4.5	4.4	4.0				
elbow	10.1	8.6		128	4.4	4.2	5.7	elbow	4.2	4.6	4.5				
8				129	4.5	4.9	5.7	17	4.1	4.0	4.6				
elbow				130	5.0	5.2	5.9	18	4.2	3.6	4.2				
Spool	4.7	5.3	5.4					19	3.5	3.9	4.0				
tee	6.5	7.1	8.8					20	4.0	4.1	3.8				
9	3.8	4.2	4.3	Spool	4.2	3.8	5.8	21	3.3	3.6	3.3				
10	4.6	4.8	4.6	tee	10.4	7.1	7.5	24	EXPA	3.5	3.4	3.7			
15	4.7	5.0	5.3	Spool	3.6	4.1	4.9	25	4.1	5.0	4.2				
18	6.1	5.8	5.9	131	3.9	4.1	4.9	30	4.6	3.2	3.5				
19	5.1	5.2	5.2	134	3.0	3.9	4.3	35	4.7	3.9	3.9				
20	6.1	6.0	6.2					37	4.0	3.7	4.5				
24	4.7	4.9	5.0												
EXPA															
25	5.7	5.5	5.5	Suction											
30	6.5	5.3	4.9	Pump											
25	4.9	5.0	5.2	Spool	4.7	4.6									
40	4.4	4.6	5.2	elbow	7.5	6.0	6.7								
45	4.9	5.1	5.2	elbow	5.4	4.3	5.4								
50	5.7	5.3	5.6	Spool	7.5	6.6	6.7								
60	6.1	6.4	5.7	EXPA											
65	5.7	6.1	5.8	red.	7.6	7.8	8.6								
EXPA				Spool	8.0	7.4	8.2								
66	6.9	5.0	6.5												
elbow	7.9	8.0	7.1												
67	7.0	6.6	6.1	Pump											
70	6.2	6.4	6.2	Disch. line											
75	6.9	6.5	6.6												
EXPA															
76	6.2	5.6	5.0	Spool	9.5	10.0	9.0								
elbow				red.	30.0	30.0	29.0								
77	5.5	5.4	5.7	EXPA											
EXPA				Spool	3.4	3.9	4.3								
78	5.0	5.2	4.5	elbow	5.3	5.4	6.1								
80	5.6	5.3	6.0	Spool	5.0	4.5	5.1								
85	4.6	6.0	5.5	1	9.3	9.1	8.8								
90	4.7	5.3	5.0	5	7.9	7.7	7.9								
95	6.1	5.7	6.1	Spool	3.9	3.6	4.0								
101	5.4	5.8	6.1	6	8.8	8.6	8.5								
EXPA				8	8.6	8.4	8.5								
102	6.1	5.9	5.6	9	4.5	4.5	4.3								
105	5.1	5.5	5.4	Spool	4.5	4.7	4.4								
110	5.6	5.6	6.3	10	4.2	4.3	4.4								

under ground

sleeve

(400 mtr)



البوتاس العربية

REPORT No. (/ 20 22)

STATION NO (١٠٠٠)

INSPECTE BY محمد محمد الكبيسي

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (٧)

INSPECTION DATE (13 / 1 / 20 22)

SIZE (12")

PAGE (٧ / 28)



البوتاس العربية

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
١	٧.٣	٧.٥	٨.١	١	٥.٤	٤.٩	٤.٧	١	٥.٤	٤.٩	٤.٧	١	٥.٤	٤.٩	٤.٧
٤	٧.٢	٧.٢	٨.٢	٤	٤.٥	٤.٠	٤.٣	٤	٤.٥	٤.٠	٤.٣	٤	٤.٥	٤.٠	٤.٣
٥	٧.٦	٨.١	٨.١	٥	٥.٥	٤.٧	٤.٣	٥	٥.٥	٤.٧	٤.٣	٥	٥.٥	٤.٧	٤.٣
٦	٨.٥	٨.٤	٧.٥	٦	٥.٧	٤.١	٤.٧	٦	٥.٧	٤.١	٤.٧	٦	٥.٧	٤.١	٤.٧
٧	٢.٧	٢.٨	٢.٦	٧	٥.١	٤.٣	٤.٠	٧	٥.١	٤.٣	٤.٠	٧	٥.١	٤.٣	٤.٠
١٢	٢.٩	٢.٦	٢.٠	١٢	٥.٣	٤.١	٤.٠	١٢	٥.٣	٤.١	٤.٠	١٢	٥.٣	٤.١	٤.٠
١٣	٩.٣	٩.٤	٩.٤	١٣	٤.٤	٤.٥	٤.٩	١٣	٤.٤	٤.٥	٤.٩	١٣	٤.٤	٤.٥	٤.٩
١٤	٢.٦	٢.٥	٢.٧	١٤	٥.٤	٥.٢	٥.٥	١٤	٥.٤	٥.٢	٥.٥	١٤	٥.٤	٥.٢	٥.٥
١٩	٣.٣	٢.١	٢.٢	١٩	٤.٨	٤.٩	٤.٧	١٩	٤.٨	٤.٩	٤.٧	١٩	٤.٨	٤.٩	٤.٧
٢٤	٣.٤	٢.٩	٣.٥	٢٤	٤.٩	٤.٥	٤.٧	٢٤	٤.٩	٤.٥	٤.٧	٢٤	٤.٩	٤.٥	٤.٧
٢٩	٣.٦	٣.٢	٣.٠	٢٩	٤.٣	٤.٥	٤.٦	٢٩	٤.٣	٤.٥	٤.٦	٢٩	٤.٣	٤.٥	٤.٦
٣٠	٤.١	٣.٤	٣.٠	٣٠	٥.٧	٥.٠	٥.٥	٣٠	٥.٧	٥.٠	٥.٥	٣٠	٥.٧	٥.٠	٥.٥
٣٢	٨.٩	٩.٠	٩.٩	٣٢	٩.٨	١٠.٤	٩.٦	٣٢	٩.٨	١٠.٤	٩.٦	٣٢	٩.٨	١٠.٤	٩.٦

(1800 mtr)



البوتاس العربية

REPORT No. (/2022)

STATION NO (M_2)

INSPECTED BY: محمود العسفي

THE ARAB POTASH COMPANY

Maintenance Department / Inspection Section

HARVESTER PIPE LINE

DICK (15)

INSPECTION DATE (13 / 1 / 2022)

SIZE (12")

PAGE(5 / 28)



البوتاس العربية

[illegible]

حاجل المحطة M1 الجديدة

(1000 m)

Dike 4 مع Dike 15 تقاطع
ولقاء محطة M1 الجديدة.

المقعد من بئر
التاريخ



البوتاس العربية

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE



البوتاس العربية

REPORT No. (/ 20)

STATION NO (M2 + 15 + 82 DICK (4 + 15)

INSPECTION DATE (31 / 1 / 2022)

INSPECTE BY كرم محمد

SIZE (12")

PAGE (6 / 28)

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
(1)				(2)				(3)							
M2				1				2							
1	8.5	8.7	8.8	1	7.5	7.1	7.3	1	4.8	4.4	4.0				
2				2				2							
3	4.0	4.3	3.9	3	7.7	7.5	7.4	3	5.4	4.1	4.8				
5	4.0	4.1	3.9	5	7.3	7.7	8.1	5	5.6	4.6	5.0				
10	3.9	4.1	3.8	10	8.2	8.0	7.2	10	5.0	4.1	4.2				
15	4.1	4.1	4.0	15	7.9	7.8	8.9	15	5.3	4.9	4.5				
20	4.0	4.2	3.9	20	7.9	7.0	8.1	20	5.6	5.7	4.7				
25	4.1	4.0	4.4	25	7.6	7.6	7.7	25	5.0	5.1	4.7				
35	4.1	4.1	4.3	35	7.6	7.5	7.4	35	4.4	5.4	4.9				
36	4.1	4.4	4.1	36	3.8	2.9	4.4	36	Expansion						
40	4.0	4.6	4.2	35	2.9	4.0	3.8	40	5.5	6.0	6.1				
45	4.1	4.3	3.9	Expansion				45	5.8	6.5	5.8				
46	4.3	3.9	3.9	36	4.5	4.0	3.7	46	5.3	5.3	5.3				
49	4.2	4.6	4.7	40	3.7	3.5	2.9	49	5.6	6.2	5.4				
50	4.8	4.6	4.4	45	3.1	3.4	3.7	50	5.5	4.9	4.6				
55	4.5	4.7	4.5	46	3.1	2.8	4.5	55	5.2	5.8	5.5				
65	4.7	5.1	4.7	50	4.4	4.8	4.3	65	5.6	5.8	5.8				
72	5.3	5.1	5.0	55	3.5	2.8	3.5	72	5.0	4.8	4.6				
73	5.1	5.3	5.1	65	4.2	3.8	4.0	73	Expansion						
77	5.4	5.5	4.9	72	3.7	3.1	3.0	77	5.8	5.5	5.4				
78	7.7	6.3	6.5	77	3.7	3.1	3.0	78	5.9	5.2	6.0				
82	5.9	6.2	6.6	78	5.6	4.8	4.5	82	4.7	4.9	5.1				
elbow	10.6	10.5	10.3	82	4.8	5.1	5.3	82	5.0	5.0	5.0				
Spool	9.6	8.7	9.1	78	3.5	4.3	4.2	83	9.5	9.1	9.3				
83	9.8	10.0	9.8	82	4.5	5.0	5.1	elbow	10.0	10.1	10.3				
elbow	10.4	10.3	10.1	83	9.5	9.0	8.7	Spool	9.1	9.0	9.2				
Spool	10.1	9.5	9.6	elbow	9.9	9.8	9.5	elbow	9.9	9.8	9.3				
elbow	9.6	10.5	10.1	Spool	9.3	9.2	9.1	elbow	9.5	9.3	9.1				
Spool	10.1	10.3	9.5	84	9.5	9.3	9.9	84	9.0	8.9	8.9				
Spool	10.2	9.2	9.1	elbow	10.5	10.3	10.3	85	9.5	9.1	9.0				
Spool	10.1	9.3	9.3	Spool	9.5	9.3	9.2	Expansion							
Expansion				elbow	10.0	10.1	10.3	red.	23.1	23.1	22.5				
red.	23.0	22.1	21.9	Spool	9.5	9.3	9.1								
				Expansion											
				red.	22.5	22.1	23.1								
pump								pump							

(500 ملل)

عقد المصنات من
الحجار الى الجبل
- عة الماد من جبهة
الشارع

ما بعد حفرة اب M₁ الجديدة
دخالة (2) ذو Dike 6 مع Dike 4



البوتاس العربية
REPORT No. (/ 20)
STATION NO (M₁)
INSPECTE BY

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE



INSPECTION DATE (31 / 1 / 2022)
SIZE (12")

PAGE (7 / 28)

PAGE (7 / 28)																	
S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN		
(1) الخط رقم (1)				(2) الخط رقم (2)				(3) الخط رقم (3)									
disch. line				disch. line				disch. line									
red	23.1	22.9	22.3	red	25.1	24.2	23.1	red	23.1	22.9	22.7						
Expansion				Expansion				Expansion									
1	9.5	9.3	9.7	1	9.7	9.5	9.6	1	9.3	9.5	9.1						
2	9.3	8.9	8.8	2	9.5	9.1	9.3	2	9.1	8.9	8.7						
elbow	10.5	10.3	9.5	elbow	10.5	10.1	10.0	elbow	10.0	9.9	9.8						
elbow	10.3	10.2	10.1	elbow	9.9	9.5	10.1	elbow	10.1	10.3	10.4						
special	9.5	9.3	9.1	special	9.5	9.1	9.2	elbow	10.1	10.5	10.6						
elbow	10.5	10.3	10.5	elbow	10.1	10.3	10.4	3	9.5	9.1	9.8						
3	9.5	9.3	9.0	special	8.9	8.8	8.9										
				3	9.2	9.1	9.3										
M ₂				D ₁				D ₂									
1				1	5.1	5.6	4.2	1									
2	6.2	5.7	5.2	2	2.8	3.1	3.4	2	6.1	6.0	5.4						
5	4.9	5.4	5.5	5	3.5	2.5	2.9	5	5.5	4.7	4.2						
10	5.5	5.7	5.2	10	3.8	3.5	3.2	10	4.6	6.5	4.0						
15	4.9	5.0	4.7	15	3.8	3.6	2.8	15	4.2	5.9	4.2						
25	5.0	5.7	4.9	25	3.5	4.0	3.1	25	4.2	4.6	4.3						
30	4.7	4.9	5.0	30	4.0	3.9	3.1	30	4.2	4.2	3.9						
37	5.4	5.0	5.0	37	4.0	3.8	3.1	37	5.6	5.1	5.1						
Expansion				33	10.0	9.5	10.1	3									
32	10.0	9.7	9.5	37	10.1	9.3	9.7	32	6.7	6.4	6.6						
D ₂				EXP													
				38	8.8	9.0	9.1										
الخط رقم (1)				D ₁				M ₂									
خط المصنع رقم (1)								خط المصنع رقم (3)									
خط المصنع رقم (2)								خط المصنع رقم (1)									
الناح لها هو								منه جوه									
خط رقم (3)								الناح									



REPORT No. (

STATION NO (01)

INSPECTED BY

STEBY محمد محمد المكي

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (6)

INSPECTION DATE (6 / 2 / 2022)

SIZE (12")

PAGE (8 / 28)



الابوتاس العربية

PAGE (8 / 28)															
S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
1	7.8	7.9	7.5	115	6.1	6.3	6.4	5	5.4	5.6	5.4				
2	7.5	8.7	8.6	120	5.0	5.3	5.1	6	4.5	4.3	5.4				
Expansion				125	5.5	6.1	5.8	7	4.5	4.5	4.9				
3	7.5	7.2	6.9	127	5.6	5.7	5.2	8	4.2	4.6	4.3				
5	7.3	7.7	7.6	128	5.2	5.6	5.6	Expansion							
10	7.2	7.8	7.5	130	6.3	5.3	5.8	9	7.9	7.9	7.9				
15	7.0	7.3	7.0	131	5.4	5.2	5.1	10	7.9	7.4	7.3				
20	7.3	7.9	8.0	132	5.0	5.2	4.6	15	7.7	7.4	8.0				
24	7.5	7.5	8.0	133	5.1	5.1	5.4	20	7.4	7.2	7.3				
Expansion				134	4.8	5.8	5.5	25	7.7	7.2	7.0				
25	8.0	7.2	7.2	135	5.4	5.9	5.7	30	7.3	7.2	7.0				
30	8.0	7.2	7.1	136	5.1	5.5	5.7	31	7.9	7.1	7.1				
35	7.8	7.4	7.7	140	5.3	5.7	5.3	Expansion							
40	7.8	7.3	7.1	145	5.3	5.5	5.0	32	7.7	7.1	7.3				
45	6.6	7.2	7.0	150	5.0	5.2	5.0	35	7.5	6.9	7.0				
Expansion				156	5.5	6.3	6.1	40	7.5	6.9	7.0				
46	6.3	6.3	6.6	Expansion				45	7.4	7.6	7.8				
47	6.8	6.4	6.6	157	5.4	6.3	6.2	50	7.6	7.8	7.6				
Expansion				160	5.4	5.9	5.3	51	9.1	9.2	9.0				
48	5.7	5.7	5.4	165	5.6	5.5	5.7	Expansion							
50	6.7	6.7	6.7	Expansion				Elbow	8.8	8.4	8.0				
55	6.5	6.5	6.3	Section				52	9.4	9.5	8.9				
60	6.8	6.5	6.5	Line											
65	6.8	7.0	6.6	166	2.7	3.7	4.4								
Expansion				167	2.0	4.5	4.6								
66	6.9	6.9	7.0	Spool	2.4	2.9	4.5								
67	4.2	4.2	4.3	Elbow	8.1	6.4	4.8								
68	6.5	6.4	6.5	Elbow	5.4	3.1	3.7								
69	6.4	6.2	6.3	Spool	8.0	7.4	7.8								
70	7.2	7.0	6.9	Expansion											
71	6.2	6.4	6.5	red	20.0	23.1	25.1								
80	6.8	7.1	6.7	Spool	6.9	6.7	7.8								
86	6.9	6.8	7.0												
87	5.7	6.5	6.6	Pump											
88	5.5	5.2	5.0												
89	6.4	5.8	6.1	disc											
90	5.6	6.3	5.3	Spool	3.9	2.2	2.9								
91	6.2	5.7	6.0	red	25.1	23.9	25.0								
92	5.5	5.5	5.3	Expansion											
95	5.5	8.9	5.5	Elbow	9.5	9.8									
100	5.3	6.1	5.6	Spool	9.5	9.8	9.4								
105	5.2	5.7	5.9	Spool	9.1	9.8	9.6								
110	5.9	5.5	5.3	1	5.0	5.3	5.1								

(1000 inf.



البوتاس العربية

REPORT No. (/ 20)

STATION NO (M, +01)

INSPECTED BY

عمور الميسرين

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (4 + 6)

INSPECTION DATE (/ / 20)

SIZE (12")

PAGE (9 / 28)



البوتاس العربية

PAGE (9 / 28)

S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN
(1)				(2)				(3)				(4)			
Expansion				Expansion				Expansion				Expansion			
1	8.9	9.3	8.8	1	8.4	9.5	9.7	1	5.1	5.9	5.3	1	8.8	9.2	9.9
5	9.7	9.2	8.9	5	9.3	9.0	9.3	5	4.4	4.2	4.3	4	8.9	9.3	9.5
10	9.1	9.6	9.1	10	8.6	9.3	9.5	10	4.4	4.1	3.9	5	3.2	3.9	4.2
15	9.2	9.1	9.3	14	8.9	9.2	9.5	15	4.8	5.3	5.2	7	4.0	3.9	4.2
16	3.2	3.5	3.2	Expansion				Expansion				10	4.9	4.5	3.6
20	3.6	2.9	3.5	15	9.4	9.5	9.3	16	4.4	4.6	4.6	15	3.8	2.5	3.0
25	3.5	3.3	3.9	20	9.4	9.1	9.3	20	4.8	4.5	4.9	20	2.8	2.8	2.9
30	3.2	3.6	3.8	25	8.8	8.9	9.5	24	5.5	5.8	5.6	25	3.9	4.3	4.3
35	3.0	2.6	3.0	30	8.6	9.0	9.2	25	5.4	5.9	5.8	30	3.8	4.3	4.0
40	3.2	2.9	3.0	35	8.7	9.0	9.3	30	5.2	4.9	5.0	35	3.9	4.0	3.8
43	4.2	3.5	3.9	40	8.9	8.9	9.4	35	4.7	4.6	5.5	40	3.0	3.9	4.2
Expansion				43	9.0	9.5	9.9	40	4.6	4.9	4.6	43	3.3	3.0	3.9
44	3.3	3.0	2.9	50	9.5	9.0	9.3	43	5.7	5.2	5.5	Expansion			
48	3.0	2.9	3.3	Expansion				49	6.5	6.2	5.9	44	9.5	9.5	9.5
50	9.0	9.3	9.2	51	3.8	4.0	3.9	50	6.0	5.9	5.8	50	9.7	9.3	9.2
55	9.5	9.3	9.1	55	3.7	4.2	3.8	Expansion				55	9.5	9.3	9.8
55	9.5	9.2	9.1	60	4.2	4.6	4.0	51	4.4	4.3	3.9	56	7.9	3.2	3.0
60	9.0	9.1	9.5	65	5.4	4.7	4.0	55	5.7	5.0	4.3	60	4.0	3.5	3.5
65	9.1	9.4	9.7	70	3.4	4.0	4.0	60	5.4	5.6	4.2	65	3.0	3.1	3.0
70	9.0	9.1	9.2	75	4.0	4.1	3.9	65	4.8	4.7	4.9	70	3.1	2.3	3.0
75	9.1	9.3	9.5	78	3.2	3.4	3.3	70	5.5	5.3	4.9	75	3.1	3.5	3.0
80	8.9	8.8	8.7	80	4.3	3.7	3.9	75	4.8	4.5	4.3	80	3.5	3.8	3.2
88	9.4	8.5	8.7	87	4.2	4.9	3.9	80	5.6	5.3	4.9	87	3.4	2.9	7.2
Expansion				88	8.9	8.8	9.0	87	5.0	5.5	5.3	88	5.0	4.7	5.1
89	8.9	8.7	8.5	Expansion				88	9.3	9.8	9.1	Expansion			
				89	9.0	8.7	8.8	Expansion				89	9.1	9.3	9.5
								89	8.9	9.5	9.3				
J ₂				J ₁				M ₂				D ₁			

(1600 + 1300)
m.h.nF1 حارة ال
قابل

البوتاس العربية

REPORT No. (/ 20)

STATION NO (F1)

INSPECTE BY

خالد عيسى

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (7)

INSPECTION DATE (7 / 2 / 2022)

SIZE (12")

PAGE (10 / 28)



البوتاس العربية

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
F1	8.2	9.2	9.0	85	4.7	5.1	5.2	F1	8.2	9.2	9.0	85	4.7	5.1	5.2
1	8.2	9.2	9.0	86	4.9	4.6	4.5	1	8.2	9.2	9.0	86	4.9	4.6	4.5
2	8.9	8.6	9.0	93	5.7	5.7	5.5	2	8.9	8.6	9.0	93	5.7	5.7	5.5
3	4.2	6.0	6.1	94	5.5	5.6	5.9	3	4.2	6.0	6.1	94	5.5	5.6	5.9
5	7.0	6.5	7.0	95	5.5	5.6	4.9	5	7.0	6.5	7.0	95	5.5	5.6	4.9
10	6.5	6.6	6.8	96	5.4	6.0	5.0	10	6.5	6.6	6.8	96	5.4	6.0	5.0
15	6.5	6.5	6.9	100	5.1	5.5	5.4	15	6.5	6.5	6.9	100	5.1	5.5	5.4
18	6.7	7.2	7.3	105	5.1	5.3	5.0	18	6.7	7.2	7.3	105	5.1	5.3	5.0
19	6.5	7.4	7.0	110	5.0	5.2	5.3	19	6.5	7.4	7.0	110	5.0	5.2	5.3
25	6.5	7.3	7.1	112	4.9	6.0	5.5	25	6.5	7.3	7.1	112	4.9	6.0	5.5
30	6.5	6.7	6.8	113	5.0	6.0	6.0	30	6.5	6.7	6.8	113	5.0	6.0	6.0
37	6.5	7.7	7.0	120	5.5	6.0	6.1	37	6.5	7.7	7.0	120	5.5	6.0	6.1
38	6.8	6.9	7.0	125	5.3	5.3	5.2	38	6.8	6.9	7.0	125	5.3	5.3	5.2
47	8.1	8.2	8.3	128	5.5	7.0	5.5	47	8.1	8.2	8.3	128	5.5	7.0	5.5
48	8.0	8.0	8.0	130	5.0	7.7	5.6	48	8.0	8.0	8.0	130	5.0	7.7	5.6
49	7.3	6.9	6.5	131	4.4	3.7	4.5	49	7.3	6.9	6.5	131	4.4	3.7	4.5
50	7.2	6.6	6.0	135	4.5	5.0	4.0	50	7.2	6.6	6.0	135	4.5	5.0	4.0
51	6.5	7.5	6.1	137	4.0	4.0	4.1	51	6.5	7.5	6.1	137	4.0	4.0	4.1
53	7.2	6.7	6.3	138	4.0	4.0	4.1	53	7.2	6.7	6.3	138	4.0	4.0	4.1
54	7.9	7.7	7.0	139	4.0	4.0	4.1	54	7.9	7.7	7.0	139	4.0	4.0	4.1
55	8.8	8.9	8.1	140	4.0	4.0	4.1	55	8.8	8.9	8.1	140	4.0	4.0	4.1
56	7.1	6.8	6.5	141	4.0	4.0	4.1	56	7.1	6.8	6.5	141	4.0	4.0	4.1
57	6.4	7.0	6.9	142	4.0	4.0	4.1	57	6.4	7.0	6.9	142	4.0	4.0	4.1
58	7.3	7.2	6.5	143	4.0	4.0	4.1	58	7.3	7.2	6.5	143	4.0	4.0	4.1
59	8.8	7.4	8.9	144	4.0	4.0	4.1	59	8.8	7.4	8.9	144	4.0	4.0	4.1
60	7.6	7.3	6.8	145	4.0	4.0	4.1	60	7.6	7.3	6.8	145	4.0	4.0	4.1
61	7.0	7.3	6.9	146	4.0	4.0	4.1	61	7.0	7.3	6.9	146	4.0	4.0	4.1
62	5.7	6.2	6.0	147	4.0	4.0	4.1	62	5.7	6.2	6.0	147	4.0	4.0	4.1
63	5.5	5.0	4.0	148	4.0	4.0	4.1	63	5.5	5.0	4.0	148	4.0	4.0	4.1
65	5.6	5.2	4.9	149	4.0	4.0	4.1	65	5.6	5.2	4.9	149	4.0	4.0	4.1
70	5.7	5.3	5.0	150	4.0	4.0	4.1	70	5.7	5.3	5.0	150	4.0	4.0	4.1
75	5.4	5.6	5.0	151	4.0	4.0	4.1	75	5.4	5.6	5.0	151	4.0	4.0	4.1
80				152	4.0	4.0	4.1	80				152	4.0	4.0	4.1

لأقل من 5 يجب التفتيش
 هذه المنطقة (يومه أنباء)
 كثيرة على الخلو (رقم 5)

من تقاطع Dike 4 و Dike 7
 لغاية تقاطع Dike 4 مع Dike 8

(1100 mtr)
 - عة من جهة الشمال



البوتاس العربية
REPORT No. (120)
STATION NO (M1 + F2 + D1)
INSPECTE BY محمد العيسى

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE



البوتاس العربية
INSPECTION DATE (8 / 2 / 2022)
SIZE (12")
PAGE (11 / 28)

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
(1)				(2)				(3)				(4)			
1				1				1				1			
2				2				2				2			
3	5.1	4.8	4.7	3	8.5	8.0	8.5	3	8.0	7.6	7.9	3	3.9	3.9	3.0
5	5.1	5.2	5.1	5	7.7	7.8	7.9	5	8.0	7.6	7.9	5	3.2	3.4	3.0
10	5.4	5.8	5.0	10	7.9	7.8	8.0	10	8.3	8.2	7.8	10	4.0	3.8	4.0
15	5.9	4.7	5.0	15	8.1	7.7	7.9	15	8.2	8.2	8.5	15	EXPANSION		
20	6.2	5.5	4.8	20	8.0	7.7	7.8	20	10.0	9.9	9.8	11	9.3	10.2	9.5
25	5.2	5.6	4.9	25	7.9	8.1	7.9	25	9.2	8.5	9.8	15	9.7	9.4	9.0
30	4.7	4.8	5.0	30	8.0	8.0	8.0	30	9.5	8.9	9.9	25	5.0	4.5	4.6
35	4.9	4.7	4.6	35	9.3	9.3	8.5	35	9.7	9.0	8.0	18	5.0	4.7	
40	4.9	4.9	4.5	40	8.9	8.9	9.3	40	9.5	9.2	8.9	20	4.4	4.7	4.6
43	4.8	4.8	4.6	43	8.3	8.9	9.0	43	9.6	9.3	8.9	25	4.4	4.8	
44	EXPANSION			44	9.0	8.7	9.0	44	9.2	9.9	8.9	29	4.9	4.7	4.5
50	5.2	4.6	4.6	45	EXPANSION			45	EXPANSION			30	3.8	4.3	4.0
55	5.2	4.9	4.7	50	9.3	8.8	8.9	50	8.9	9.3	9.0	34	5.0	4.0	4.0
60	4.9	4.8	4.8	55	9.0	9.7	9.0	55	9.4	9.5	9.0	35	EXPANSION		
65	4.9	4.9	4.6	60	9.6	9.6	9.3	60	8.6	9.2	9.0	40	4.2	4.7	4.0
67	4.9	4.7	4.9	65	9.1	8.6	8.9	65	9.0	8.9	9.3	41	4.2	4.4	4.2
70	5.2	5.1	5.0	70	9.9	9.3	9.0	70	9.0	8.9	9.4	43	3.7	3.6	4.0
75	5.2	4.9	4.9	75	9.0	9.0	9.0	75	9.7	9.4	9.0	44	3.5	3.6	4.0
80	5.0	4.9	4.9	80	9.8	9.0	9.3	80	9.2	9.3	9.0	44	EXPANSION		
85	5.0	5.1	4.8	85	9.2	10.0	9.0	85	8.6	9.9	9.0	49	3.2	4.0	3.9
89	5.1	5.0	4.8	90	8.9	8.7	9.0	90	4.0	3.8	3.3	50	4.1	4.4	4.0
90	EXPANSION			90	9.5	9.3	9.0	90	4.0	3.6	3.9	55	4.8	4.8	4.9
					9.3	9.4	9.0		4.3	4.0	4.5	59	4.6	4.3	4.5
					EXPANSION				4.3	4.5	4.7	60	4.8	5.0	4.9
					9.2	4.8	4.9		EXPANSION			64	4.0	3.9	4.0
												65	4.0	3.9	4.0
												66	3.7	3.4	3.9
												67	5.3	5.1	5.5
												70	5.9	9.8	5.7
												73	4.5	4.0	5.0
												74	4.4	5.0	4.3
												75	5.4	5.0	4.0
												77	4.9	4.0	4.3
												79	5.4	5.2	9.9
												80	4.8	3.9	4.0
												85	4.0	3.8	3.9
												89	4.7	4.0	4.0
												90	4.9	4.5	4.0
												EXPANSION			
												90	5.6	6.3	6.0

لغاية تقاطع Dike 4 مع Dike 8 (C3)

D1



البوتاس العربية

REPORT No. (/ 20)

STATION NO (M1 + F1 + D1)

INSPECTED BY

محور انکسار

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (4)

INSPECTION DATE (8 / 2 / 2027)

SIZE (12")

PAGE (12 / 28)



البوتاس العربية

[illegible]

(متر 2000)
(لخافة العتبات)



البوتاس العربية

REPORT No. (/ 20)

STATION NO (H₁, H₂, H₃, H₄ DICK (8)

INSPECTE BY محمد راسم

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

INSPECTION DATE (9 / 2 / 20)

SIZE (12")

PAGE (13 / 28)



البوتاس العربية

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
				97	7.4	8.4	8.0					92	4.4	4.1	4.0
				98	8.2	7.9	7.9					93	8.6	9.0	9.0
				100	7.8	7.9	7.9					94	8.6	8.2	8.0
				105	7.0	6.9	6.9					98	8.7	8.9	8.2
1	8.6	8.6	8.7	110	7.3	7.4	8.2	1	4.4	5.1	5.5	99	9.9	9.9	9.9
5	8.6	8.5	8.1	111	8.9	9.0	9.0	5	5.9	5.4	5.9	105	9.7	9.4	9.0
10	8.7	8.8	8.1	112	10.2	9.8	9.0	15	5.9	5.4	5.4	106	9.4	9.9	9.0
20	8.2	8.8	8.5	115	9.2	9.3	9.2	20	5.9	5.3	5.1	110	9.5	9.5	9.3
25	8.3	8.9	8.7	120	9.3	9.1	9.2	25	5.8	5.4	5.2	115	9.2	9.2	9.1
30	9.0	8.5	8.6	125	9.1	9.3	9.1	26	5.8	5.8	5.3	120	9.1	9.0	9.0
31	9.0	9.0	9.1	129	9.0	9.0	9.5	27	6.3	6.2	6.0	123	10.0	9.5	9.0
	Expans.			130	9.7	9.2	9.0	30	6.2	6.1	6.2	124	9.3	9.6	9.0
32	8.8	8.4	8.5	135	9.7	10.2	10.0	35	5.9	6.0	6.1	131	9.8	9.1	9.0
38	8.9	9.5	9.2	139	9.5	9.1	9.0	40	5.9	5.6	5.7	133	10.5	9.5	9.0
40	8.8	8.6	8.9		Expans.			44	6.3	6.5	6.0		Expans.		
45	10.1	9.9	9.3		Expans.			45	6.8	6.2	6.0		Expans.		
48	9.1	9.2	9.0		Expans.				Expans.				Expans.		
Spool					Expans.				Expans.				Expans.		
Tee					Expans.				Expans.				Expans.		
49	8.0	8.5	8.7	140	9.5	9.3	9.0		Expans.				Expans.		
53	7.8	7.9	8.0	145	9.1	9.2	9.3		Expans.				Expans.		
	Expans.			150	9.8	9.9	9.0		Expans.				Expans.		
54	7.8	7.8	8.3	156	9.7	10.0	9.0		Expans.				Expans.		
55	8.0	8.5	8.0	160	9.0	9.2	9.3		Expans.				Expans.		
60	8.1	8.3	8.5	166	9.8	10.0	9.5		Expans.				Expans.		
64	8.2	8.3	9.0	170	9.3	9.1	9.1		Expans.				Expans.		
elbow	9.8	10.7	9.9	175	9.6	9.5	9.2		Expans.				Expans.		
65	9.3	9.1	9.0	179	9.3	10.0	9.3		Expans.				Expans.		
elbow	9.5	10.2	9.0	180	9.9	9.7	9.5		Expans.				Expans.		
66	8.1	8.0	8.0	Spool	9.2	9.7	9.7		Expans.				Expans.		
elbow	10.6	9.9	9.0		Expans.				Expans.				Expans.		
67	8.7	8.4	8.0	Spool	14.8	14.9	15.1		Expans.				Expans.		
elbow	10.8	9.5	9.0	elbow	11.8	12.5	11.5		Expans.				Expans.		
68	8.5	8.5	8.5	elbow	13.9	13.4	13.0		Expans.				Expans.		
70	8.0	8.2	8.0	elbow	13.1	11.5	11.0		Expans.				Expans.		
75	8.3	8.2	8.0	Spool	9.2	9.5	9.2		Expans.				Expans.		
80	8.5	8.2	8.0		Expans.				Expans.				Expans.		
85	8.1	8.3	8.1	red	25.0	19.0	20.1		Expans.				Expans.		
89	8.1	8.3	8.1		Expans.				Expans.				Expans.		
	Expans.				Expans.				Expans.				Expans.		
90	8.2	7.9	8.1		Expans.				Expans.				Expans.		
91	8.0	7.6	7.5		Expans.				Expans.				Expans.		
94	8.3	7.9	7.5		Expans.				Expans.				Expans.		
Tee					Expans.				Expans.				Expans.		
95	8.4	8.1	8.0		Expans.				Expans.				Expans.		

(حالت في غير فعال)
 8 يومه و 5 ساعة

حطة الـ H2.2

(2500 m)
 نهاية المكالمة



THE ARAB POTASH COMPANY
 Maintenance Department / Inspection Section
HARVESTER PIPE LINE



REPORT No. (120)
 STATION NO (H2.2)
 INSPECTE BY محمد العيسى

DICK (8)
 الوط

INSPECTION DATE (13 / 2 / 2022)
 SIZE (12")
 PAGE (14 / 28)

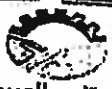
البحري

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
1	24.0	25.2	23.1	1	19.0	20.0	19.1	1	8.3	9.4	8.5				
2	9.6	10.5	9.8	2	9.7	10.8	9.5	2	8.9	9.2	9.0				
3	10.1	11.0	11.2	3	9.9	11.0	10.5	3	7.9	8.0	8.0				
4	8.5	8.5	8.5	4	8.3	8.6	8.5	4	8.8	8.9	9.5				
5	9.2	8.9	9.1	5	9.8	9.2	9.1	5	8.6	8.5	8.3				
6	10.5	9.8	9.5	6	10.4	9.8	10.3	6	EX Pans						
7	8.6	9.6	9.5	7	10.1	9.9	9.3	7	8.6	8.7	8.3				
8	10.8	10.7	10.0	8	8.7	8.1	8.4	8	8.1	8.2	8.6				
9	3.5	3.5	3.2	9	8.8	9.8	8.5	9	8.5	9.2	9.1				
10	4.2	4.0	3.9	10	9.7	9.1	9.0	10	8.8	9.7	9.0				
11	3.9	3.9	3.7	11	EX Pans			11	8.5	9.0	8.7				
12	4.0	4.1	4.2	12	7.3	9.2	9.1	12	9.7	9.2	9.0				
13	EX Pans			13	9.8	9.8	9.5	13	EX Pans						
14	3.9	4.1	4.0	14	9.5	9.8	9.3	14	8.1	8.9	8.0				
15	3.9	3.7	3.9	15	9.5	9.1	9.3	15	8.2	8.1	8.6				
16	3.8	3.9	3.7	16	9.5	8.9	8.9	16	8.4	8.8	8.5				
17	3.9	3.5	3.5	17	9.2	9.3	8.9	17	EX Pans						
18	3.7	3.2	3.1	18	9.6	9.7	9.5	18	7.9	7.9	8.0				
19	3.9	4.2	4.3	19	EX Pans			19	7.8	7.9	7.5				
20	3.9	4.1	4.0	20	9.1	9.7	9.3	20	EX Pans						
21	4.2	4.3	4.1	21	9.1	9.0	9.3	21	7.7	7.5	7.5				
22	3.9	4.2	4.1	22	9.6	9.2	9.0	22	7.5	7.3	7.2				
23	4.0	4.0	3.8	23	8.9	8.9	9.1	23	7.6	7.5	7.9				
24	4.4	3.6	3.9	24	8.9	8.8	9.6	24	7.6	7.3	7.5				
25	EX Pans			25	9.9	10.1	9.8	25	7.6	7.9	7.0				
26	4.7	4.6	4.9	26	EX Pans			26	EX Pans						
27	4.4	3.9	4.0	27	EX Pans			27	8.2	7.9	7.5				
28	4.4	4.4	4.5	28	10.2	9.6	9.5								
29	4.7	5.0	4.9	29	9.1	9.3	9.0								
30	4.2	4.1	4.3	30	9.6	9.8	9.3								
31	4.2	3.8	4.0	31	9.9	9.2	9.1								
32	4.5	3.9	4.0	32	10.0	9.7	9.5								
33	4.3	4.1	3.9	33	EX Pans										
34	4.7	4.2	4.5	34	5.5	5.3	5.4								
35	4.6	4.9	3.9	35	5.2	5.6	5.1								
36	5.1	4.6	4.1	36	5.8	5.6	5.1								
37	5.0	4.5	4.0	37	5.9	5.7	5.5								
38	4.1	4.2	4.5	38	6.2	5.7	5.5								
39	EX Pans			39	EX Pans										
40	4.8	4.7	3.8	40	4.8	4.4	4.8								

الادلة من جهة
 الـ 85 5.1 5.0 5.3
 الـ 86 5.6 5.4 5.1

تابع الصفحة رقم (13)

تابع الحصى رقم (13)



البوتاس العربية
REPORT No. (120)
STATION NO (122)
INSPECTE BY محمد المصطفى

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE



البوتاس العربية

INSPECTION DATE (13 / 2 / 2022)

SIZE (12")

PAGE (15 / 28)

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
(1) 89	4.8	4.6	4.0	(2) 89	5.2	5.3	5.0	(3) 90	7.9	8.0	7.5				
91	5.1	4.4	4.2	Spec				91	8.0	7.9	7.3				
95	5.0	4.3	4.1	Tee				Spool							
100	5.0	4.7	4.3	90	4.7	4.5	4.7	Tee							
101	4.8	4.8	5.0	Expans				92	7.6	6.8	6.4				
105	4.7	4.5	4.0	91	4.6	5.0	4.6	Expan							
111	5.1	4.9	4.4	95				93	7.1	6.5	6.2				
Expans				101	5.0	5.3	5.0	95	7.0	7.2	7.5				
112	4.9	4.9	4.7	105	5.1	4.7	4.2	100	7.1	7.7	7.1				
113	4.4	4.5	5.1	110	4.6	4.8	3.7	105	7.1	7.5	7.3				
114	4.3	4.5	5.1	117	4.8	4.4	4.0	110	7.4	7.3	7.2				
117	5.0	4.6	4.8	Expans				113	6.0	6.4	6.4				
120	5.1	4.7	4.9	118	5.1	4.4	4.3	Expans							
125	4.8	5.0	5.2	120	5.0	4.9	4.3	114	6.8	6.8	7.0				
127	5.4	5.1	5.6	125	5.0	5.6	4.5	119	7.1	6.9	7.6				
128	5.4	5.0	5.3	129	5.4	5.5	5.3	131	7.1	6.8	7.2				
129	8.0	7.7	8.0	133	4.7	4.8	5.2	Expans							
130	7.7	7.5	8.3	Tee				132	6.9	6.6	6.4				
133	8.4	7.8	7.8	134	5.3	5.2	4.8	135	7.7	7.7	6.9				
136	7.9	8.5	8.0	138	5.4	5.9	4.9	137	7.2	7.1	6.8				
140	7.9	8.2	8.1	140	5.3	5.0	4.7	Expans							
145	8.0	8.3	8.3	145	5.2	5.1	4.7	Tee							
146	8.0	8.7	8.1	146	5.5	5.6	5.3	138	4.3	4.8	3.8				
Expans				Expans				139	5.2	5.4	5.1				
147	8.3	8.3	8.3	147	9.8	9.3	9.0	140	5.0	5.2	4.9				
152	8.1	8.5	8.9	152	9.8	9.5	9.0	146	5.5	5.4	5.3				
157	8.9	8.2	8.3	157	9.2	9.3	9.0	147	5.4	4.7	4.7				
167	8.2	8.2	8.3	158	9.6	9.3	9.0	149	5.0	5.3	4.7				
170	8.3	8.5	8.2	168	9.3	9.2	9.0	clb	7.0	6.1	6.5				
175	8.0	8.2	8.1	170	9.3	9.2	9.0	Spool	4.7	5.2	4.8				
177	8.4	8.4	8.0	175	9.5	9.5	9.5	clb	7.3	7.3	7.0				
182	8.8	8.4	8.0	178	9.6	9.4	9.3	Expans							
Expans				183	9.9	9.7	9.5	150	5.3	5.4	5.7				
183	3.8	3.9	3.9	Expans				151	2.8	2.8	3.4				
				Expans				156	3.4	2.9	3.0				
				184	5.9	5.5	5.3	161	3.8	3.3	3.5				
								165	3.8	3.5	3.5				
								171	3.9	3.5	3.8				
								175	3.9	3.5	3.7				
								181	3.8	4.0	4.0				
								Expans							
								182	3.0	4.0	4.0				

186 4.5 4.5 4.3

Expans

187 5.3 5.4 5.0

في تقاطع دكة 4 مع دكة 8
ولفافة صولج الـ 51

معدة في محطة الـ 48
(650mtr)



البوتاس العربية

REPORT No. (/ 20)

STATION NO (H1 + D1 + P1 + H1 + H2) PICK (8)

INSPECTE BY محمد محمد العيسوي

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

INSPECTION DATE (15 / 2 / 2022)

SIZE (12")

PAGE (16 / 28)



البوتاس العربية

S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN
(1)				(2)				(3)				(4)			
1	5.7	6.2		1	5.3	5.7	5.5	1	6.1	6.8	6.5	1	7.5	6.8	6.0
3	4.7	4.8	4.8	3	5.1	5.4	5.6	3	8.9	9.0	8.9	3	7.7	7.3	7.0
6	6.4	6.4		6	5.7	5.7	5.3	6				6	7.1	6.9	6.3
7	EXPOSE			7	EXPOSE			7	EXPOSE			7	EXPOSE		
8	6.1	6.0	6.0	8	5.9	5.9	5.8	8	5.1	5.2	5.0	8	5.3	5.1	5.0
10	6.7	6.9	6.1	10	5.5	5.3	5.0	10	8.9	9.0	9.0	10	8.5	8.5	8.0
15	6.1	6.6	6.3	15	4.3	4.6	4.0	15	8.4	8.1	8.5	15	8.2	8.5	8.7
19	6.8	6.1	6.2	19	4.0	4.1	4.3	19	8.8	8.8	8.8	19	8.5	8.5	8.7
25	6.3	6.6	6.0	25	4.2	4.1	4.0	25	8.8	8.6	8.6	25	8.6	8.2	8.1
30	6.5	6.4	6.2	30	4.4	4.6	4.3	30	8.6	8.3	8.1	30	8.5	8.6	8.4
35	6.4	5.9	6.0	35	4.9	4.5	4.4	35	9.8	9.5	8.9	35	8.3	8.6	8.5
40	5.4	5.5	5.8	40	5.3	4.7	4.9	40	9.8	9.5	8.8	40	9.1	8.6	8.3
	6.7	6.5	6.5		5.3	4.6	5.0		9.6	9.6	9.1		8.6	8.6	8.2
41	5.5	4.2	4.0	41	4.2	4.4	4.0	41	9.5	9.2	9.0	41	EXPOSE		
42	5.8	6.3	6.0	42	6.1	5.9	5.0	42	EXPOSE			42	7.2	7.7	8.2
47	6.3	5.8	5.5	47	4.5	5.2	5.0	47	6.6	5.4	5.3	47	8.1	8.2	8.1
53	5.5	6.0	6.0	53	5.8	6.0	5.1	53	5.2	5.1	5.0	53	9.8	9.5	9.0
54	2.0	8.5	8.3	54	4.8	4.9	5.0	54	8.8	8.4	8.0	54	9.0	9.5	8.9
57	6.2	7.4	7.0	57	5.6	5.2	5.2	57	9.1	9.3	9.0	57	9.1	8.5	8.8
58	6.1	6.3	6.0	58	5.8	5.8	5.3	58	8.4	8.8	8.8	58	9.1	8.8	8.3
61	10.0	8.4	7.5	61	8.0	8.0	8.2	61	8.1	7.7	8.9	61	4.2	6.2	6.0
62	8.3	8.0	8.4	62	10.0	8.4	8.5	62	8.2	8.7	8.6	62	8.3	8.2	8.2
63	9.3	7.6	7.4	63	7.7	7.8	7.4	63	7.5	7.3	7.0	63	7.1	7.1	6.8
64	8.5	8.3	8.0	64	5.7	5.3	5.6	64	2.0	2.1	2.0	64	8.5	8.5	8.6
65	EXPOSE			65	7.0	7.2	8.4	65	4.9	4.6	4.6	65	EXPOSE		
66	22.0			66	8.1	8.5	8.0	66	6.9	7.8		66	27.0	27.0	25.0
67	9.0	9.7	9.0	67	EXPOSE			67	8.6	8.4	8.4	67	7.1	7.0	7.3
				67	23.0	23.0	23.1	67	EXPOSE			67			
				67	7.5	8.6		67	18.0	27.0	27.0	67			
				67				67	8.4	8.2	8.0	67			

مكة من جهة الشرق من دكة ٤ إلى دكة ٥
 دلخانة حطاب ١٠١ س١ (650 mtr)



البوتاس العربية

THE ARAB POTASH COMPANY
 Maintenance Department / Inspection Section
 HARVESTER PIPE LINE



البوتاس العربية

REPORT No. (120)

STATION NO (M. + F. + H. + H2 + D. DICK) 8

INSPECTION DATE (16 / 2 / 2022)

INSPECTE BY محمد العبد

SIZE (12")

PAGE (17 / 28)

S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN
(5)				(6)				(7)				(8)			
1	5.3	5.4	5.1	1	6.4	6.4	6.3	1	6.5	6.5	6.3	1	5.9	6.0	6.0
6	5.5	5.4	5.7	6	10.0	10.0	9.9	3	7.0	6.7	6.1	6	5.5	5.8	5.9
7	5.2	5.1	5.0	7	10.4	10.3	9.3	6	5.6	5.7	6.0	7	8.2	7.9	7.9
8	4.7	4.2	4.0	8	9.6	9.5	9.1	7	4.3	4.6	4.2	8	6.7	6.6	6.0
9	3.4	3.5	3.0	9	9.8	9.5	9.3	8	5.4	5.2	5.1	10	8.1	8.6	6.5
10	9.8	8.8	8.5	10	9.3	9.6	9.5	10	4.8	5.7	5.6	15	7.3	6.5	6.2
15	9.2	8.9	8.9	15	9.0	9.6	9.7	15	5.2	5.5	5.3	19	6.4	6.5	6.3
19	9.0	8.6	8.3	25	9.0	9.3	9.2	19	5.4	5.2	5.0	25	7.7	8.1	8.2
25	9.0	9.1	8.9	30	9.0	9.5	9.3	25	6.5	6.2	6.0	30	7.9	8.6	8.1
30	9.0	9.3	8.3	35	9.3	9.2	9.0	30	4.9	5.1	6.1	35	6.0	7.5	7.3
35	8.6	8.5	8.2	40	9.2	8.9	8.0	35	5.1	4.5	4.7	40	6.8	5.0	5.3
40				41	9.7	9.0	9.2	40	5.3	5.0	5.2	41	6.6	7.5	
41	5.6	4.9	5.0	42	10.5	9.7	9.5	41	4.9	5.0	5.0	42	8.1	8.8	8.0
42	4.4	3.3	3.0	47	9.1	9.7	9.3	47	4.8	5.6	5.0	47	8.7	7.5	7.6
47	4.0	3.3	3.0	53	9.0	9.3	9.1	48	4.9	5.7	7.0	53	7.3	7.1	7.6
53	4.6	4.7	4.6	54	9.1	9.2	9.3	49	7.9	3.7	3.1	57	7.8	8.1	8.4
54	5.3	4.8	4.9	55	9.0	9.3	9.2	50	5.4	5.3	5.1	57	8.5	8.3	8.6
56	4.3	4.5	4.5	55	8.4	7.6	8.4	50	5.8	4.9	5.1	57	8.5	9.1	8.9
58	4.8	5.2	5.0	55	8.3	8.3	8.0	53	5.5	6.3	6.0	57	7.8	8.1	8.7
59	3.8	4.2	4.0	55	8.1	8.1	8.1	53	5.0	5.3	4.9	57	7.0	8.9	8.9
50	4.6	4.5	5.1	55	8.4	8.7	8.1	53	5.0	5.3	5.1	57	7.0	8.9	8.9
53	4.0	3.2	2.9	55	8.5	8.3	8.1	53	9.6	7.8	7.0	57	15.5	19.7	22.8
54	4.1	4.1	4.0	55	9.0	9.0		53	6.5	7.0	6.5	57	9.5	8.9	8.8
55	4.8	5.2	5.0	55				53	8.1	8.3	8.8				
55	6.8	7.9	5.6	55				53	5.5	5.6	7.7				
55	7.2	7.8	8.4	55				53	5.8	5.8	5.4				
55	7.5	7.8	7.3	55											
55	8.3	7.7	8.5	55											
55	16.1	13.1	13.9	55											
55	6.5	7.5	6.9	55											

تابع للصحة (16)

C3 Total 1500 mbr
(800 mbr)

disch. line S1 station



البوتاس العربية

REPORT No. (/20)

STATION NO (S1)

INSPECTE BY محمد المسعود

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (3)

INSPECTION DATE (16 / 2 / 2022)

SIZE (12")

PAGE (18 / 28)



البوتاس العربية

S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN	S.No.	UP	SIDE	DOWN
1	8.4	8.6	8.0	1	4.4	5.1	4.9	1	10.0	10.5	10.3	1	5.5	5.2	5.0
2	8.1	8.5	8.0	2	4.6	5.0	4.6	2	4.1	4.0	4.0	2	5.5	5.0	5.0
3	9.3	8.8	8.1	3	4.7	4.6	4.4	3	4.9	4.9	5.1	3	5.6	5.0	4.9
10	8.3	8.2	7.9	6	5.2	4.6	4.6	5	5.9	5.0	5.0	10	4.9	5.7	5.0
11	8.4	8.6	8.3	10	4.8	4.6		6	5.2	4.6	4.5	16	5.7	5.6	4.9
16	8.4	8.6	8.3	16	4.5	4.5	4.5	7	4.7	4.6	4.9	21	6.2	5.4	5.0
21	8.7	8.8	8.5	21	4.5	4.6		8	4.0	4.0	4.1	29	5.7	5.9	4.9
29	8.4	8.5	8.9	29	4.5	4.5	4.5	11	3.0	3.0	3.5	30	5.6	5.3	4.7
33	8.4	8.6	8.6	33	4.5	4.5	4.2	17	7.8	8.9	8.5	33	5.5	5.7	5.0
34	9.2	9.0	8.7	34	4.5	4.4	4.4	22	4.0	4.3	4.5	34	4.3	4.5	4.6
39	8.2	8.9	8.9	39	4.5	4.5	4.6	30	4.0	4.3	4.0	39	4.5	4.9	4.5
44	8.2	8.2	8.1	44	4.4	4.3	4.4	32	4.0	4.2	4.0	44	5.5	5.0	4.7
49	8.1	8.2	8.5	45	4.4	4.4	4.1	39	4.0	4.5	3.9	49	4.2	5.4	4.9
54	8.6	9.2	8.9	49	4.3	4.9	4.5	45	4.5	4.5	4.3	55	5.1	5.0	5.0
59	8.4	8.5	8.3	54	4.4	4.5	4.6	40	4.4	4.4	4.2	59	5.2	5.6	5.0
64	8.3	7.9	8.3	59	4.4	4.5	4.4	45	4.3	4.5	4.6	64	8.8	8.9	8.9
70	8.5	8.8	8.9	64	4.4	4.4	4.3	48	4.4	4.8	4.5	70	8.3	8.8	8.7
71	9.3	10.3	9.5	70	4.3	4.3	4.3	48	3.8	3.7	3.5	71	8.6	8.5	8.3
				71	8.9	8.8	8.9	50	3.7	3.5	3.9				
								55	3.8	4.0	3.9				
								60	7.8	7.4	7.6				
								65	3.4	3.8	3.9				

70 3.9 4.0 4.1

71 6.6 6.3 6.3

Expans

8.5 8.9 8.9



REPORT No. (

STATION NO (51)

INSPECTED BY

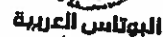
THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (3)

INSPECTION DATE (16 / 2 / 2022)

SIZE (12")

PAGE (19 / 28)

[illegible]

تاج الصناعات (20)



البوتاس العربية

REPORT No. ()

STATION NO ()

INSPECTE BY

THE ARAB POTASH COMPANY Maintenance Department / Inspection Section HARVESTER PIPE LINE

DICK (9)

INSPECTION DATE (15 / 2 / 2022)



البوتاس العربية

SIZE (12")

PAGE (20 / 28)

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
1	6.8	7.1	6.7	105	8.0	8.3	8.2	10	8.1	7.9	8.2				
5	7.2	7.2	6.9	111	8.3	8.1	8.3	15	7.1	7.3	6.8				
10	7.1	7.3	6.8	EXPANSION				19	6.3	6.1	6.9				
15	7.2	7.0	6.5	Tee	22	7.7	2.2	20	4.7	5.3	5.2				
12	6.8	7.5	7.3	SPOOL	5.3	5.9	5.0	22	5.1	5.3	5.6				
19	7.2	7.5	7.3	Tee	112	8.4	8.3	8.2	EXPANSION						
25	6.9	6.8	6.9	115	8.4	8.7	8.8	23	6.1	6.1	5.9				
28	6.7	7.1	7.6	EXPANSION				25	6.1	5.5	5.2				
29	7.8	7.6	7.0	116	8.1	7.8	8.1	27	5.7	5.8	5.6				
36	7.7	7.3	7.3	120	8.1	8.0	8.0	28	5.5	5.5	5.3				
37	7.0	7.0	7.2	126	8.4	8.6	8.3	SPOOL							
SPOOL				130	8.3	8.5	8.2	Tee							
Tee				135	8.1	8.7	8.5								
28	6.2	6.7	6.8	138	8.2	8.9	8.8								
40	6.1	6.9	6.7	EXPANSION											
45	6.5	7.1	7.0	139	7.9	7.8	8.1								
50	6.5	6.6	7.1	150	8.4	8.2	8.0								
51	6.6	6.8	6.7	EXPANSION											
53	7.1	7.1	7.1	151	6.6	6.3	6.0								
54	8.7	8.7	9.0	ELBOW	7.2	7.2	7.7								
60	8.7	8.5	9.0	SPOOL	7.5	7.0	6.6								
65	9.0	9.3	9.1	ELBOW	7.4	7.7	7.3								
68	9.2	9.2	8.9	ELBOW	7.2	7.1	7.8								
EXPANSION				SPOOL	7.0	6.8	6.6								
SPOOL				RED	5.6	5.9	6.0								
Tee				SPOOL	6.9	6.7	7.1								
69	8.0	8.0	8.1												
75	8.5	8.3	8.0	EXPANSION											
80	8.1	8.2	8.1	SPOOL	14.0	14.8	15.0								
84	8.6	8.6	8.1	ELBOW	4.6	4.2	4.2								
EXPANSION				SPOOL	4.9	4.3	4.6								
85	8.2	8.1	7.8	ELBOW	6.4	4.8	3.4								
90	8.3	8.2	8.1	PIPE	5.6	5.5	5.3								
95	8.0	8.5	8.0	EXPANSION											
100	8.3	8.3	8.2	SPOOL	5.9	6.3	5.8								
				1	8.7	8.9	8.8								
				5	7.9	8.3	8.1								

الحمد لله رب العالمين
والصلاة والسلام على
سيدنا محمد وآله الطيبين الطاهرين
الطراز الأئمة الكرام
الزواجر الميامين
أجمعين



/ 20

DICK (9



SIZE (12")

PAGE 22 128

عنه الشارح يصح الخط، فتح (١) هو فتح (٢)

(1100wtr)



البوتاس العربية
REPORT No. (K1)
STATION NO (20)
INSPECTE BY (محمد راعي)

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (9)

INSPECTION DATE (15 / 2 / 2022)



البوتاس العربية

SIZE (12")

PAGE (22 / 28)

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
(2) 20								(9) 9							
Pump K1															
disch. line															
1	6.0	6.1	6.0					51							
5	6.4	6.3	6.4					52	6.2	6.1	6.2				
8	6.1	6.1	6.2					EXPANSION							
EXPANSION								53	6.2	6.1	6.0				
9	6.4	6.9	6.8					55	6.4	6.5	6.3				
EXPANSION								56	6.2	6.2	6.7				
EXPANSION								57	6.2	6.0	6.1				
10	6.2	7.3	6.5					59	5.8	5.1	5.0				
13	6.4	6.6	6.0					60	6.1	6.1	6.2				
18	6.4	6.3	6.2					61	6.5	6.1	5.9				
20	6.1	6.0	6.3					62	6.3	6.4	6.9				
23	6.6	6.6	6.4					65	5.9	6.5	7.0				
28	6.2	6.1	6.5					EXPANSION							
30	6.6	6.3	6.4					66	6.5	7.0	6.0				
EXPANSION								70	6.2	6.0	5.9				
31	6.4	6.5	6.6					76	6.1	6.2	6.9				
35	6.3	6.2	6.1					EXPANSION							
38	6.2	6.4	6.5					77	6.4	6.1	7.0				
45	6.3	6.4	6.3					80	6.3	6.1	6.1				
48	6.4	6.3	6.2					84	6.6	6.3	6.0				
52	6.4	6.2	6.0					89	6.3	6.3	6.1				
60	6.1	6.2	6.1					92	6.4	6.2	6.0				
66	7.0	7.5	6.9					EXPANSION							
EXPANSION								93	6.2	6.2	6.5				
67	6.5	6.2	6.4					98	6.0	5.9	5.8				
EXPANSION								102	6.9	6.8	6.0				
68	6.6	6.4	6.4					110	6.3	6.3	5.9				
69	6.5	6.4	6.3					115	6.1	6.6	5.9				
elb-	3.3	3.5	4.0					120	6.6	6.3	6.1				
70	5.0	4.6	3.1												
elb-	3.7	4.3	4.8												
EXPANSION															
2021 9/10															
2021 10/1															

Dike 3 مع Dike 9

في قطاع 3 Dike 9 مع
 دلخافه الصخ (Pant # 1)

بجدة الخطوط من
 جهة اخرى



البوتاس العربية

REPORT No. () / 20

STATION NO (51)

INSPECTE BY محمد عبد الجبار

THE ARAB POTASH COMPANY
 Maintenance Department / Inspection Section
 HARVESTER PIPE LINE

DICK (9 + 3)

INSPECTION DATE (1 / 2 / 20 22)

SIZE (12")

PAGE (23 / 28)



البوتاس العربية

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
(1)				(2)				(3)				(4)			
Expans															
1	7.8	7.0	7.5	1	8.9	8.8	8.8	1	8.3	8.4	8.5	1	8.5	8.5	8.0
5	8.2	8.3	8.4	5	6.4	6.2	5.8	5	6.0	5.1	5.4	5	8.4	8.8	8.6
10	7.8	7.8	8.0	7	5.5	5.0	4.9	10	5.7	5.9	5.4	10	9.1	8.8	8.4
15	6.1	6.6	6.3	8	6.2	6.0	5.5	15	6.0	5.5	5.4	15	8.6	9.0	8.7
20	6.6	6.8	6.3	10	5.4	4.9	9.0	20	6.0	5.0	5.1	20	8.7	8.5	8.9
25	6.4	6.2	6.0	15	5.3	5.5	5.5	25	5.6	5.2	6.1	25	9.0	8.5	8.2
30	7.2	7.3	7.1	20	5.8	5.3	5.0	30	5.8	5.8	5.9	30	8.8	8.1	8.1
35	6.5	6.9	7.0	25	5.8	5.7	5.1	35	5.9	5.9	5.5	35	8.3	8.7	8.0
Expans				30	7.0	7.5	7.0	Expans				Expans			
36	7.1	7.2	7.0	35	7.3	7.2	7.0	36	5.9	5.9	5.5	36	8.3	8.8	8.5
41	7.6	6.8	6.8	Expans				41	6.2	6.3	6.0	41	8.6	8.3	8.3
46	7.3	7.0	6.5	36	5.6	5.3	5.0	46	6.3	6.1	5.9	46	8.4	8.3	8.4
50	6.9	7.1	6.2	41	4.6	4.0	4.3	50	6.1	6.0	6.0	50	8.6	8.5	8.4
54	7.1	7.2	6.9	46	4.0	4.3	4.4	54	5.4	6.0	6.1	54	8.6	8.3	8.4
Expans				50	4.3	4.2	4.6	Expans				Expans			
55	6.9	6.5	6.6	54	5.2	4.9	5.1	55	5.1	5.3	5.2	55	8.5	8.6	8.8
60	7.3	6.9	7.0	Expans				60	5.9	5.8		60	8.7	9.0	8.5
65	6.6	6.6	6.9	55	5.3	5.4	5.6	65	6.1	5.7	5.5	65	8.9	8.5	8.7
70	6.4	6.6	6.9	60	5.2	5.5	6.0	70	5.8	6.0	5.7	70	9.0	9.0	8.6
80	7.0	6.6	6.5	65	5.3	5.4	5.5	80	6.0	6.1	5.6	71	9.5	9.3	9.0
91	7.6	7.8	7.1	70	4.6	4.9	5.1	82	6.3	6.1	5.9	Expans			
Expans				80	5.0	5.6	5.8	Expans				72	9.0	9.3	9.5
92	6.9	6.9	5.8	91	6.1	5.8	5.8	83	6.1	5.7	6.0	80	9.0	8.7	9.5
95	6.5	6.9	5.7	Expans				91	6.3	5.4	5.8	91	8.9	9.1	9.3
100	7.2	7.0	6.9	92	5.1	4.8	5.0	95	6.0	5.3	5.7	95	9.3	9.1	9.2
107	7.6	7.4	7.3	95	5.0	4.9	5.1	100	5.8	5.7	5.6	100	8.7	8.9	8.8
110	8.1	7.5	6.8	100	5.8	5.8	5.5	107	6.7	5.8	5.9	107	9.0	9.1	9.2
Flange				107	6.5	6.1	6.1	110	5.5	6.1	5.6	110	8.6	9.2	9.3
111				110	6.8	5.8	5.7	Flange				Flange			
112	6.6	6.8	6.5	111				111				111	10.1	10.5	10.1
115	7.2	7.3	7.0	112	5.7	5.8	5.5	112	5.8	5.6		112	10.1	9.5	9.5
Tree				115	6.1	6.0	6.0	115	6.2	5.7		114	10.1	9.9	9.7
Pipe	7.0	7.0	6.5	Tree				Tree				115	3.7	3.0	3.7
Spec				Pipe	6.5	6.3	6.0	Value	5.5			Tree			
Expans				Value				Value				Pipe	5.0	5.0	5.3
116	6.9	7.0	7.1	Spec				116	8.2	7.7		Value			
120	7.1	7.4	7.0	Expans				120	8.1	7.9		116	4.9	4.4	4.0
125	9.1	8.5	8.5	116	6.6	6.9	6.5	125	7.9	7.6		120	5.3	4.8	4.3
127	7.5	7.6	7.5	120	6.2	7.0	6.5	Expans				125	6.0	4.8	4.3
Expans				125	6.3	6.8	6.0	127	8.7	7.7	7.0	126	9.5	9.0	9.3
128	7.7	7.5	7.5	128				128				127	10.3	10.0	9.5

127 6.4 7.3 6.3
 Expans
 128 7.5 6.6 6.3

Expans
 128 9.2 9.5 9.3

لحد
 الشل

كانه
 loop

Value

منه المخطوط في
جهة التاج.



البوتاس العربية

REPORT No. (

STATION NO (51)

INSPECTED BY .

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (9 + 3)

INSPECTION DATE (15 / 2 / 2022)

SIZE (12")

PAGE (24 / 28)



البوتاس العربية

[illegible]

في تقاطع Dike 3 مع Dike 9 باتجاه المصب

(Part # 2)

عدد المقاسات
منه ١٢٨



البوتاس العربية

REPORT No. (/ 20)

STATION NO (51)

INSPECTE BY: محمد العبد

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (9 + 3)

INSPECTION DATE (1 / 2 / 20 22)

SIZE (12")

PAGE (25 / 28)



البوتاس العربية

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
(5)				(6)				(7)				(8)			
1	8.4	8.4	8.0	1	9.0	9.2	9.1	1	8.0	8.0	8.0	SPool	5.6	5.9	5.0
5	8.1	7.9	8.6	2	9.0	9.3	9.1	2	8.4	8.1	8.2	1	5.0	5.1	5.3
10	8.5	8.5	8.0	5	9.3	9.1	9.2	5	8.5	8.4	8.3	5	4.3	4.6	4.0
15	8.2	8.2	7.8	10	9.1	9.0	8.9	10	8.4	8.1	9.0	10	4.8	4.1	4.0
20	8.2	8.3	7.7	15	9.3	9.0	9.1	15	8.6	8.5	8.6	15	3.8	4.5	4.1
25	8.4	8.4	8.1	20	9.1	9.3	9.0	20	8.6	8.8	8.0	20	3.8	4.6	4.0
30	8.5	8.3	8.1	25	8.9	9.1	9.2	25	9.7	8.6	8.0	25	4.4	4.8	5.0
35	8.6	8.1	8.0	30	8.9	9.1	9.2	30	8.9	8.1	8.2	30	4.3	3.6	5.0
36	8.2	8.3	8.0	35	8.6	8.7	9.3	35	8.8	8.0	8.1	35	4.3	4.0	4.2
41	8.2	8.6	8.0	36	9.2	9.3	10.0	36	9.0	8.6	8.8	36	4.4	4.2	4.0
46	8.0	8.0	8.1	41	9.2	9.5	9.8	41	8.5	8.4	8.3	41	4.8	4.6	4.9
50	8.1	8.2	8.3	46	9.1	8.9	8.8	46	8.1	8.4	8.3	46	4.3	4.5	4.3
54	8.4	8.6	8.0	50	8.9	8.1	8.9	50	8.2	8.2	8.2	50	4.4	4.1	4.2
55	9.2	9.7	9.6	54	8.3	8.0	8.2	54	8.4	8.3	8.1	54	4.5	4.0	4.1
60	8.8	8.7	9.0	55	9.6	9.5	10.3	55	8.9	9.0	9.0	55	4.1	4.4	4.4
65	9.7	8.5	8.9	60	9.0	8.7	9.3	60	9.2	9.1	9.5	60	5.1	5.0	5.3
70	9.5	8.3	8.5	65	8.4	8.6	9.0	65	9.3	9.3	9.2	65	4.4	4.7	5.0
80	9.4	9.7	9.0	70	9.0	8.6	9.1	70	9.3	8.8	9.1	70	5.0	5.1	4.6
83	9.2	9.1	9.0	80	9.3	9.1	9.2	80	8.8	8.5	8.7	80	4.5	5.1	4.8
84	9.3	9.2	9.1	83	8.9	8.8	8.9	83	8.5	8.9	8.8	91	3.5	4.4	4.7
91	8.9	8.8	8.5	84	10.1	10.1	9.2	84	9.3	10.2		92	5.8	5.5	5.3
95	9.1	9.2	9.0	91	8.6	8.9	9.1	91	9.3	10.0	9.9	95	5.3	5.0	5.1
100	9.2	9.5	9.8	95	8.9	8.7	8.5	95	9.3	9.2	9.0	100	5.3	5.2	5.4
107	9.0	8.9	9.2	100	8.4	8.5	8.9	100	9.2	8.5	9.0	107	4.8	4.8	5.1
110	9.0	9.3	9.4	107	8.5	9.3	9.1	107	8.2	8.5	8.3	110	4.5	4.2	4.7
111	9.0	9.3	9.2	110	9.1	9.2	9.0	110	9.5	9.3	9.0	111			
112	9.2	8.9	9.0	111	9.0	8.5	8.0	111				112	5.0	4.6	4.5
115	9.1	9.5	9.3	112	4.7	4.8	4.3	112	9.1	10.1	9.3	115	4.7	4.8	4.7
116	5.4	5.0	4.8	115	4.4	4.3	4.0	115	9.1	9.5	9.5	116	4.9	4.5	4.0
116	9.3	9.5	9.3	116	6.2	5.9	5.0	116	5.2	5.6	5.0	117			
120	9.5	9.5	9.0	117	6.5	6.9	6.8	117	9.7	9.3	9.5	120	6.5	6.8	5.8
125	8.7	8.9	9.0	120	6.6	6.4	6.3	120	6.9	5.9	5.0	125	6.5	6.8	5.8
127	9.7	9.5	9.0	125	7.4	7.6	7.2	125	7.2	7.2	7.0	127	7.3	6.7	5.6
128	9.7	9.5	9.5	127	5.8	7.0	6.0	127	5.9	7.1	7.1	128			

128 6.3 4.7 5.9

في نطاق ديك 3 و ديك 9
(Pant #2) شارة

عن الخط
من جهة الشرق



البوتاس العربية

REPORT No. (120)

STATION NO (51)

INSPECTE BY محمد العبد

THE ARAB POTASH COMPANY
Maintenance Department / Inspection Section
HARVESTER PIPE LINE

DICK (9 + 3)

INSPECTION DATE (10 / 2 / 2022)

SIZE (12")

PAGE (26 / 28)



البوتاس العربية

S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN	S/No.	UP	SIDE	DOWN
(5)				(6)				(7)				(8)			
133	10.3	9.5	9.3	133	7.9	6.2	6.1	133	7.1	6.4	6.3	133	5.9	6.0	5.5
137	10.1	10.0	9.5	137	6.9	5.9	5.6	137	9.2	8.1	8.5	136	7.7	6.0	5.3
elhw	6.2	4.0	3.5	elhw	7.4	5.8	6.0	Special	8.8	9.0	9.0	elhw	8.6	6.4	3.8
138	8.9	8.6	8.5	138	5.8	4.9	4.8	elhw	8.2	9.0	9.1	Special	8.3	5.7	5.7
EX p m s				EX p m s				elhw	1.6	9.1	9.8	elhw	6.1	5.8	5.9
								138	9.5	9.9	10.0	Special	7.1	6.5	6.0
								EX p m s				elhw	8.4	8.5	8.1
												Special	5.1	6.2	5.9
												137	5.7	6.8	6.6
												elhw	4.6	4.7	4.9
												139	5.7	5.6	6.0
												139	6.4	6.6	6.0
												elhw	7.9	5.7	5.7
												140	6.9	6.2	6.0
												EX p m s			

(Paint #3)

ولغات اعلیٰ

[illegible]

[illegible]