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ARAB POTASH Company LTD.

Amman JORDAN

MONTHLY PROGRESS REPORT

OCTOBER 1980

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	- AGP

1.0 SUMMARY

1.1 Project Milestones

	<u>Scheduled Date</u>	<u>Actual Date</u>
Contract Signing	5 Nov 77	5 Nov 77
Review of Feasibility Report	26 Jan 78	26 Jan 78
Advertise for Refinery Equipment	15 Feb 78	1 Feb 78
Presentation to Lenders - Amman	11 Apr 78	11 Apr 78
Town Site Contract Award	1 May 78	4 May 78
Approval of Solar Pan Construction Tender Documents		2 June 78
Townsite Contractor starts Mobilizing		7 June 78
Solar Pan Construction Tender Inquiry Issued	1 Aug 78	28 June 78
Solar Pan Contract Bids due	4 Oct 78	4 Oct 78
Advertise Power Plant Contract	14 Oct 78	16 Oct 78
Definitive Estimate Due	31 Dec 78	
Solar Pan Contract Award	1 Jan 79	13 Jan 79
Solar Pan Contractor starts mobilizing	1 Feb 79	15 Jan 79
Approval of Refinery Mechanical Construction Tenders (Pre-Qualification)	1 Mar 79	12 Apr 79
Approval of Power Plant Construction Tenders (Pre-Qualification)	23 Feb 79	20 Mar 79
Refinery Mechanical Tender Inquiry Issued	5 Apr 79	10 May 79
Power Plant Contract Bids Due	7 July 79	7 July 79
Refinery Contract Bids Due	15 Aug 79	1 Oct 79
Refinery Contract Award	15 Dec 79	17 Jan 80
Power Plant Contract Award	15 Dec 79	11 Jan 80

1.0 SUMMARY - continued

1.1 Project Milestones - Continued

	<u>Original Scheduled Date</u>	<u>Current Forecast Date</u>	<u>Actual Date</u>
Refinery Contractor Letter of Intent	15 Dec. 79		17 Jan 80
Refinery Contractor Starts Construction	1 Apr. 80		15 May 80
Power Plant Contractor Starts Construction	1 May 80		1 Oct 80
Screening & Compaction Erection Contract Award	30 Oct. 80	17 Jan 81	
Power Plant Mechanically Complete	1 Dec. 81	17 Jan 82	
Refinery Contractor Mechanically Complete	1 Dec. 81	17 Jan 82	
Screening & Compaction Erection Mechanically Complete	1 Dec. 81	-17 Jan 82	

Township

Housing - Lot 1	1 Feb 79		15 July 79
Housing - Lot 2	1 July 79		15 Feb 80
Housing - Lot 3	1 Feb 80	1 Nov 80	
Housing - Lot 4	1 June 80	1981	

Solar Pans (Partial completion for pan filling)

Salt Pan	1 Feb 81	1 Feb 81	
PC-1	1 Mar 81	1 Mar 81	
PC-2	1 Apr 81	1 Apr 81	
C-1	1 May 80		8 Apr 80
C-2	1 Apr 81	1 Apr 81	
C-3	1 Apr 82	1 Apr 82	

Start-up Schedule

Start Carnallite Deposition

C-1	1 Aug 81	1 Aug 81	
C-2	1 Aug 82	1 Aug 82	
C-3	1 Aug 83	1 Aug 83	

Product Test Runs*

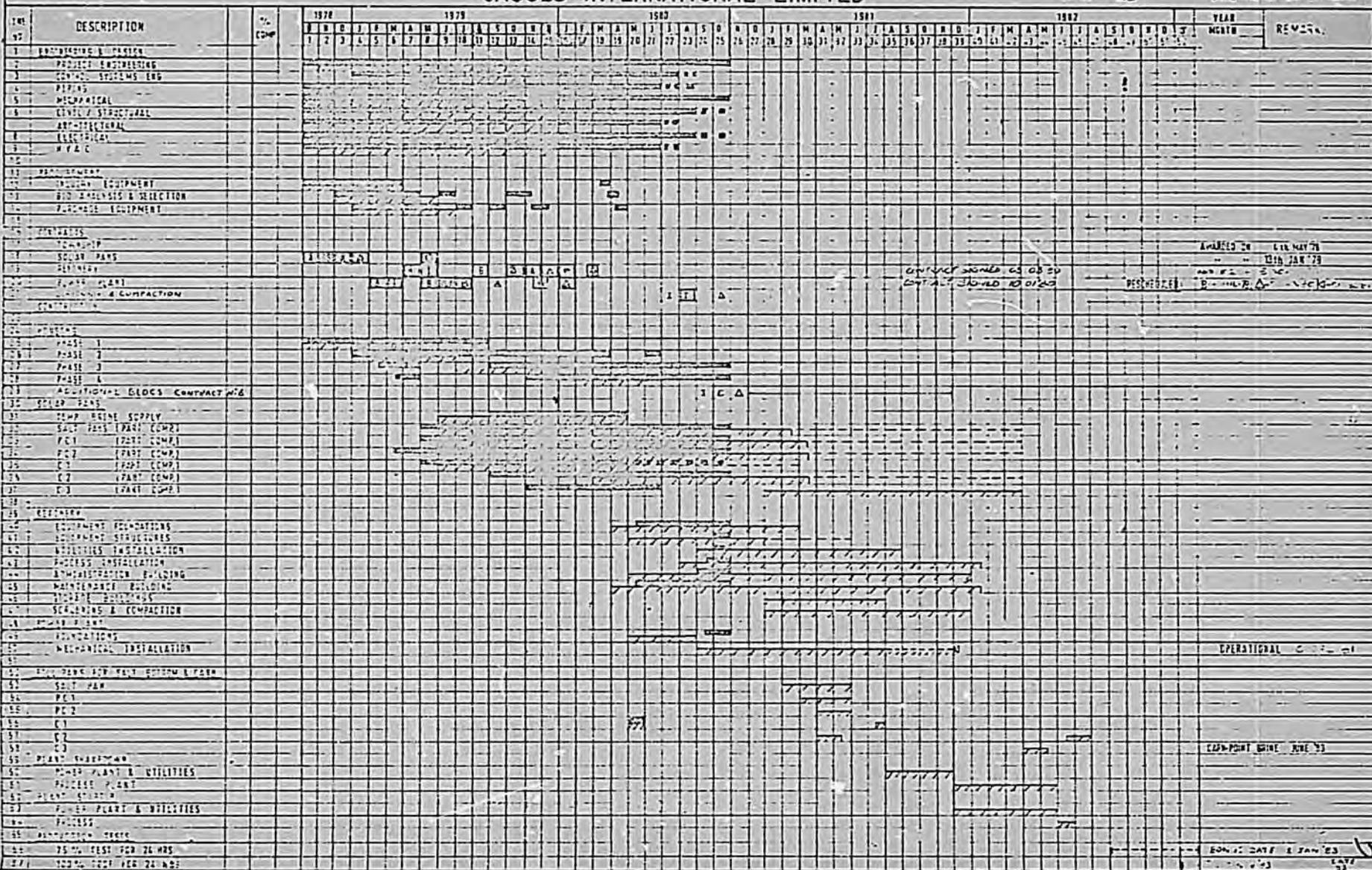
75% Test Run	1 Feb 83	1 Feb 83	
100% Test Run	1 Nov 83	1 Nov 83	

*These dates based on assuming start of carnallite precipitation
 1 August, 1981.

ARAB POTASH COMPANY LTD.
PROJECT SCHEDULE
JACOBS INTERNATIONAL LIMITED

CUSTOMER
TYPE OF JOB
JOB NO
SHEET NO 1 OF 1
REV. NO 23

ARAB POTASH COMPANY LTD.
POTASH PLANT
CB-1575
CASE 12-1-79 BY RJS/CGB
DATE 12-11-80 BY RJS



1.3 Status of Project

Addendums 1 thru' 3 of the Screening and Compaction Contract (Contract 12) were worked on during the month. Addendum 1 and part of Addendum 3 were issued to the bidders during the month.

Inspection visits were made to Krupp, Brown Boveri and Westinghouse for components of the Steam & Power Plant Contract (Contract 12) and Screening and Compaction System (P.O.08-1875-29-2).

Work continued in all trades on the "lumping-up" of Mechanical Works Contract (Contract No. 10).

Revised test procedures were written and issued for the Rahco Prototype Harvester.

Salt bottom tests were initiated under the guidance of the IIRS in C-1 Carnallite Pan.

Progress of work by Sir Alexander Gibb & Partners in terms of man months expenditure is approximately as follows:-

Ratio of man months expenditure to end of September 1980 to total man months expenditure programmed	69%
---	-----

Estimated ratio of man months expenditure to end of October, 1980 to total man months expenditure programmed.	71%
---	-----

The approximate expenditure to date on services included in Sir Alexander Gibb & Partners Sub-Contract Consultancy Agreement has been US \$5,068,949.

Design and procurement of electrical and mechanical equipment continued during the month. Inspections at manufacturers' works of the mechanical plant and equipment for incorporation in or forming part of the Permanent Works continued during the month.

2.0 Engineering and Design - Continued

2.1 JIL - Pasadena

No work reported this month

2.2 JIL - Dublin

2.2.1 Project Engineering

Considerable time was spent in preparing addendums 1, 2 and 3 for the Screening and Compaction System erection contract. (Contract No. 12). Addendum 1 and a section of Addendum 3 were dispatched during October.

Drawings continue to be reviewed on the Screening and Compaction System (P.O. 08-1875-29-2). Meetings were held with Krupp in Duisburg concerning the Dust Collection System. An inspection was made of all screw conveyers and bucket elevators covered in the above purchase order.

Tank drawings from Voest-Alpine continued to be reviewed and a meeting was held with Voest-Alpine to approve a number of VA certified drawings. Review of contractor finished equipment is still in progress.

Review of drawings from Brown-Boveri on the Steam and Power Plant continued during the month.

All process P and ID's were updated and given to the Piping Department for mark-up.

Analysis of alternative harvesting methods continued during the month.

2.2.2 Instrumentation

Function tests were carried out on sections 2,3,4,5,8,9 and 10 of main contact panel. Field instruments were inspected for shipping instrument index is being marked up. Power factor connection was discussed with Foxboro and updated terminal numbers were given to Electrical Dept.

2.2.3 Piping and Mechanical

All Tank Vendor drawings were reviewed during the month with mechanical contractor.

Updated the Bills of Quantities for piping and reviewed the remaining Krupp piping drawings.

Mother Liquor Area Piping Orthographics were updated and reissued for construction.

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2.0 Engineering and Design - Continued

2.2.3 Piping and Mechanical Design - Continued

Mechanical Section: Meetings took place during the month with Krupp on the Screening and Compaction Plant.

2.2.4 Civil/Structural Design

Because the manloading on the civil structural discipline has been effectively reduced to two, progress during the month has been confined to answering queries from site and reviewing construction drawings. In addition a full review of our administration building drawings was carried out.

Unless steps are taken to have queries dealt with on site, and perhaps some construction drawings reviewed there, there is little prospect of the present manloading being reduced before Christmas. The time taken with queries both from site and from contractors far exceed anything anticipated.

2.2.5 Electrical Design

Meetings were held with Brown Boveri and Krupp Westinghouse Controlmatic to discuss progress on the Steam and Power Plant and the Screening and Compaction Plant respectively.

Drawings were received from BBC covering 11kV Switchgear, 3,3kV MCC, fire alarm and earthing systems which were reviewed and returned with comments.

Westinghouse drawings for 33kV Switchgear and the Electro-Centres, for the Carnallite Pans Area were resubmitted for approval.

Work commenced on preparing the Tender Documents for the Electrical Installation Work associated with the erection of the Screening and Compaction Plant. The following drawings were issued to the Contractor for pricing:-

Power, Instrumentation, Lighting and Socket outlet drawings together with associated cable lists.

Work continued on up-dating power layouts and panelboard schedules for the Workshop Areas in the Maintenance Building.

2.2.6 Architectural Design

Maintenance Building: Vendors clarified and agreed with Balfour Beatty for (a) demountable partitions (b) steel doors (c) sanitary fittings and (d) pallet racking.

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2.0 Engineering and Design - Continued

Details clarified for (a) fixing partitions (b) floor finishes in toilets and (c) tinakepers counter.

Queries on drawings clarified re

- (i) Aluminium window fixings and sizes
- (ii) Door frame fixings
- (iii) Fire partitions and
- (iv) Hatch counters

Administration Building: Drainage levels in basement clarified. Sanitary fittings clarified and passenger and goods lift drawing revised and updated for construction issue to include vendor information recieved.

2.3 ENGINEERING AND DESIGN

2.3.1 AGP READING

Contract No. 2 - Permanent Township

Architectural

Nothing to report.

Structural

Nothing to report

Mechanical and Electrical

15 No. drawings for the School and the 'B' Sports Club were approved and returned to the Contractor.

2.3.2 Contract No. 3 - Solar Evaporation System

Civil Works

Checking and approving steelwork fabrications drawings for the Brine Intake Jetty continued during the month.

Checking Contractor's working drawings for civil works continued.

Mechanical and Electrical Works

Study of and commenting upon Wimpey's and their sub-contractor's drawings continues.

2.3.3 Contract No. 4 - Movable Furniture

Nothing to report.

2.0 Engineering and Design - Continued

2.3.4 Contract No. 6 - additional Buildings

Tender Documents

Tender documents were completed and despatched to the Employer.

2.3.5 Contract No. 7 - Hospital Equipment

Nothing to report.

3.0 Carnallite Harvesting

Revised procedures were written for the RAHCO prototype carnallite harvester at the Lisan test pan site.

Salt bottom tests were underway in C1 harvest pan under IIRS supervision. Preliminary reports will be ready for meetings in Amman on 9th November.

4.0 JIL - Contracts

Contract 10 with Voest Alpine:

Work continued on converting to a lump sum basis of contract. Due to delay by Voest Alpine, it is now planned to complete this exercise by 1st January, 1981. A major effort is currently underway to supply Voest Alpine with vendor drawings and erection manuals for Employer-Purchase equipment. Work continues in monitoring and clarifying technical and commercial points on contract documents.

Contract 11 with Brown Boveri:

Piping drawings have been promised by BBC by the 1st week in November, 1980. These will be reviewed by JIL. Other technical and commercial questions continue to be answered by JIL.

Contract 12 - erection of Screening and Compaction Equipment.

The tender due date has been extended to 1st December, 1980, and the tenders will include all electrical work. A portion of the electrical documents were received from Fried-Krupp, checked and issued for enquiry. It is intended to issue the balance by 10th November, 1980. It may be necessary to extend the bid due date to 15th December, 1980. The date for contract award is 17th January, 1981 and the date for completion is 17th January, 1982.

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5.0 Procurement - JIL

PO-08-1875-01-1 : Centrifugal Pump - Mather & Platt

This Purchase Order is complete and ready for shipping, Mather & Platt have advised that they will not ship until funds for payment are transferred to their bank.

PO-08-1875-01-2 : Rotating pumps - Mirless Ltd.,

This Purchase Order is 100% complete. Payment has been made.

PO-08-1875-01-3 : Fire Pumps - Aurora Ltd.,

This Purchase Order is 90% complete. Payment has been made.

PO-08-1875-01-4 : Slurry Pump - Worthington Canada

Final shipment on original Purchase Order was made on 17th October, 1980. This shipment comprised forty pumps. E.T.A. at Aqaba is 14th November, 1980. The scheduled completion date for this Purchase Order was 1st June, 1980. However, Worthington Canada have advised us of strike action at their plant, which seriously disrupted schedule.

PO-08-1875-01-5 : Slurry Booster Pump - Simon Warman

This Purchase Order is complete and is scheduled for shipping early November, 1980. Original schedule was delivery Aqaba October 1st 1980.

The main problem was late delivery and poor performance by Philadelphia Gear of the lube consules.

PO-08-1875-04-1 : Thickener Mechanisms - Esmil

99.4% of the Purchase Order was shipped late July, 1980. The remaining 0.6% will be shipped air freight October 14th 1980. This purchase is now complete.

PO-08-1875-05-1 : Agitators Philadelphia Gear

This Purchase Order is complete. 90% payment has been made.

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5.0 Procurement - JIL - Continued

PO-08-1875-11-2 : Plate Heat Exchangers - Alfa Laval

Hydro test on plate scheduled for 10th November, 1980. Shipping mid November, 1980. Frames were shipped early August 1980. There is a serious problem on delivery of the titanium plates, due to cut-back on export of raw material by USSR.

Status is that 95% of the plates will now be shipped end of October, 1980 and the balance will be shipped during 1981. Original delivery at Aqaba was 1st July 1980.

PO-08-1875-16-1 : Three crystallisers have been shipped from Tarragona - Spain on September 22nd 1980, together with the remainder of all structural steel supports and platforms.

Hogging Jet, Vacuum Condensers and Barometric Condensers were shipped early August 1980.

Worthington pumps are scheduled for final inspection and shipment during October, 1980.

The rubber lining of the crystallisers shipped to Aqaba is unsatisfactory and will require extensive repairs at the Jobsite in Jordan. Whiting Fermont and APC both been notified in this regard.

The two remaining crystallizers are not yet rubber lined. Due to problems with Tambourini, Whiting Fermont intend to appoint a new rubber lining sub-contractor who is scheduled to start work on the rubber lining on 23rd October, 1980.

On this basis our estimated delivery at Aqaba for the two remaining crystallizers is end of December, 1980.

We are awaiting from Whiting Fermont confirmation of the shipping schedule and delivery to Port of Aqaba.

PO-08-1875-18-1 : Cooling Tower - Marley International

This Purchase Order is complete but Marley will not ship until the funds for payment are transferred by APC to Marley's U.S. bank. APC have agreed to this request and the funds have been transferred.

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5.0 Procurement - JIL - Continued

- PO-08-1875-21-2&4 Centrifuges - Bird Machine Co.,
This Purchase Order is complete. 90% payment has been made.
- PO-08-1875-22-1 : Belt Filters - Eimco
This Purchase Order is complete. 90% payment has been made.
- PO-08-1875-23-2 : Product Hydrocyclones - Dorr Oliver
Delivery of this equipment was delayed on the advice of Dorr Oliver due to the type of rubber lining of the hydrocyclones and storage conditions at the jobsite. Delivery is now scheduled for July, 1981.
- PO-08-1875-23-3 : Tails Hydrocyclones - Krebs
Scheduled delivery at Aqaba is January 1st 1981.
- PO-08-1875-29-1 Wet Mechanical Handling - Precismeca
This Purchase Order is complete. 90% payment has been made.
- PO-08-1875-29-2 Screening & Compaction - Fried Krupp
Three shipments have been made to date comprising:-
1. 71, Westinghouse motors
2. Structural Steel
- PO-08-1875-34-1 : Truck Scales - Pfister
This Purchase Order is complete. 90% payment has been made.
- PO-08-1875-39-1 : Prototype Harvester - Rahco
This unit is complete and is scheduled for shipping early October, 1980, complete with start-up spares.
- PO-08-1875-39-3 : Pipeline pontoons - GPE Teo.,
This Purchase Order is complete. 100% payment has been made.

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5.0 Procurement - JIL - Continued

PO-08-1875-40-6 : Condensate Pump Set - Worthington - UK.

This Purchase Order is complete. 100% payment has been made.

PO-08-1875-58-2 : Maintenance Building - Ward Bros.,

This Purchase Order is complete. 90% payment has been made.

Replacement steel for steel damaged in transit has been ordered from Ward Bros., and is scheduled for delivery Aqaba 7th November, 1980.

Paintwork of structural steel which was rejected has been completed at the Jobsite and is now accepted.

PO-08-1875-64-15 : Process Instruments - Foxboro

First shipment is scheduled for mid-October, 1980.

We have only recently finalised the technical specification for this Purchase Order, and this has resulted in very considerable increased costs and additional Purchase Order value. Original Purchase Order value \$518,649.00.

Present Purchase Order value is \$783.403.00.

Foxboro have refused to ship materials up to now due to the wording of the L.O.C. However, we have advised them, that their objections in this regard are not valid, and we are therefore not allowing part of the storage charges claimed.

PO-08-1875-64-64 : Telemetering - Telectron

Scheduled shipping date is 1st May, 1981. Required delivery at Aqaba is 1st June, 1981, for complete shipment.

PO-08-1875-64-45 : Control Valves - Fisher Controls

First shipment scheduled for end of October, 1980.

Required delivery at Aqaba is mid-December, 1980 for complete shipment.

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5.0 Procurement - JIL - Continued

PO-08-1875-65-4 : Switchgear & MCC's - Westinghouse

1. MCC's due for testing Mid October, 1980.
2. 8-transformers due for testing Mid-October, 1980.

The following equipment is now 1-month behind schedule on shipping.

1. 33 kV Switchgear
2. 33 kV Metering Panel
3. 15 vA Transformers

Westinghouse production schedule also shows the following shippages:

<u>Item</u>	<u>Description</u>	<u>Req'd Aqaba</u>	<u>Westinghouse Schedule-Aqaba</u>
2	11 kV Circuit Breakers		End March 1981.
2	Motor Control Stations		End March 1981.

Monthly Progress Report
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Attachment 6.1

ARAB POTASH PROJECT

Experimental Station - Monthly Report

This report covers the progress of work at the experimental station for October, 1980.

1.0 Weather

Daily temperatures ranged from 22.5 to 39.5°C, and relative humidity from 30.0% to 84% during the month.

The wind direction was predominantly South East.

2.0 Meteorological Station

Operation of the Meteorological Station continued during October. All data is being permanently recorded. Readings were taken daily at 08.00 hours every morning.

A summary of climatic condition for September, is presented in Table 1.

3.0 Evaporation Pans

3.1 Water Pans

Operation of the four water pans continued during October, with all measurements recorded daily. A summary of average evaporation rates is presented in Table 2.

3.2 Brine Pans

Operation of the nine brine pans continued during October. A summary of average evaporation rates is presented in Table 3.

Monthly Progress Report
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Table 1

The following table lists the climatic condition during October, 1980.

Maximum Temperature (°C).....	36.0
Minimum Temperature (°C).....	19.0
Average Temperature (°C).....	27.4
Maximum relative Humidity %.....	84.0
Minimum relative Humidity %.....	24.5
Average Relative Humidity %.....	57.3
Average Wind Velocity (Km/hr).....	8.4
Predominant Wind Direction.....	South East
Average Daily Sunshine (Hours).....	8.73
Average Daily total Incident Radiation (langley/day).....	560.49
** Average Daily Evaporation Rate (mms).....	7.83
Total Rainfall (mms/day).....	0.0

** (as measured in the Meteorological Station class "A" pan).

Table 2

Below is a list of average evaporation rates for the water pans during September, 1980.

<u>Pan No.</u>	<u>Type</u>	<u>Average Evaporation Rates</u> (mms/day)
1	A	10.72
4	C	8.79
6	D	9.60
13	E	7.02

Table 3

<u>Pan No.</u>	<u>Type</u>	<u>Operation S.G.</u>	<u>Evaporation Rate (mms/day)</u>
7	D	1.26	3.97
14	E	1.26	3.37
2	A	1.31	2.87
3	B	1.31	2.65
5	C	1.31	2.42
8	D	1.31	2.52
15	E	1.31	1.84
11	D	1.34	1.69
16	E	1.34	1.02

* = A.P.C.

** = SELLER

CHASE ORDER STATUS REPORT

Page 1 of

ATTACHMENT NO. 8.6

PURCHASE ORDER NO.	NAME OF SELLER	DATE P.O. SENT TO A.P.C. FOR SIGNING	DATE SIGNED P.O. RET'D FROM A.P.C. & ISSUED TO SELLER	DATE COUNTER- SIGNED COPY OF P.O. REC'D FROM SELLER	SIGNED COPY OF P.O. SENT TO A.P.C.	GUARANTEE'S			REMARKS
						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
08-1875-01-1 Amendment 2	Mather & Platt Ltd. Mather & Platt Ltd.	11.6.1979 Signed in Dublin office 11.01.1980.	12.6.1979 ** mailed 16.1.'80	30.7.1979 20.5.1980	1.8.1979 23.5.'80				Mailed
08-1875-01-2 Amendment 2	Mirrlees Pumps Ltd. Mirrlees Pumps Ltd.	21.4.1979 Signed in Dublin office 11.01.1980	2.5.1979 ** mailed 16.1.'80	24.7.1979 30.1.1980	1.8.1979 1.2.1980				By Courier
08-1875-01-3	Aurora Pump	Signed in Dublin Office April 1979	20.4.1979	30.4.1979	29.6.1979				

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PURCHASE ORDER STATUS REPORT

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						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
08-1875-01-4	Worthington (Canada)	11.6.1979	12.6.1979	6.7.1979	1.8.1979				
Amendment 2	Worthington (Canada)		18.6.1979	9.11.1979	13.11.1979				Courier to Seller
Amendment 3	Worthington (Canada)	Signed in Dublin Office 11.01.1980	** mailed 16.1.'80	10.3.1980	13. 3.1980				Courier to APC
Amendment 4	Worthington (Canada)	30.6.1980 Courier	* 14.7.1980 ** 15.7.1980	25.9.1980	26.9.1980				
Amendment 5	Worthington (Canada)	13.8.1980 Courier.	* 9.9.1980 ** Courier 9/9/80	25.9.1980	26.9.1980				Courier

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PURCHASE ORDER STATUS REPORT

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						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
OS-1875-01-5	Simon-Warman Ltd.	Hand Carried to APC by MMF 11.11.1979	22.11.1979 Ret'd 23.11.1979 Seller	10.12.1979	11.12.'79				
Amendment 2	Simon-Warman Ltd.	Dublin Office Signed, 11.01.1980	** mailed 16.1.'80	25.1.1980	28.1.1980				Mailed to APC

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* = A.P.C.
 ** = SELLER

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						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
08-1875-04-1	Esnil Envirotech Ltd.	Signed in Dublin Office April 1979	20.4.1979	24.5.1979	1.8.1979				
Amendment 2	Esnil Envirotech Ltd.	Signed in Dublin Office 11.01.1980	** mailed 16.1.'80	25.1.1980	28.1.1980				Mailed to APC
Amendment 3	Esnil Envirotech Ltd.	30.6.1980 Courier	* 14.7.1980 ** 15.7.1980	23.7.1980	29.7.1980				

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* = A.P.C.

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						PERFORMANCE GUARANTEE FOR 10*	BANK GUARANTEE FOR 15*	BANK GUARANTEE FOR 25*	
08-1875-05-1	Philadelphia Gear Middle East Corp.	3.5.1979	9.5.1979	31.5.1979	29.6.1979				
Amendment 2	Philadelphia Gear	Signed in Dublin Office 11.01.'80	** mailed 16.1.'80	28.2.1980	29.2.1980 Courier				
08-1875-11-2	Alfa-Laval AB	21.4.1979	2.5.1979	24.5.1979	29.6.1979				
08-1875-16-1	Whiting-Fermont	11.6.1979	12.6.1979	9.8.1979	23.8.1979				
Amendment 2	Whiting-Fermont	8.8.1979	5.9.1979	12.9.1979	7.9.1979				
Amendment 3	Whiting-Fermont	Signed in Dublin Office 11.01.'80	** mailed 16.1.'80	28.01.1980	1.02.1980				By Courier
Amendment 4	Whiting-Fermont	12.5.1980 Courier	4.6.1980	11.6.1980	13.6.1980				Courier

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* = A.P.C.
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CHASE ORDER STATUS REPORT

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						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
08-1975-18-1	Marley International Inc.	Signed in Dublin Office April 1979	20.4.1979	24.5.1979	1.8.1979				
Amendment 3	Marley Inter. Inc.	Hand Carried to APC by MMF 11/11/'79	* 4.12.1979 Courier 5.12.1979	25.2.1980	25.2.1980 Courier				Letter of Credit enclosed with purchase order
08-1875-21-2	Bird Machine Co.	3.5.1979	9.5.1979	August '79	1.8.1979				
Amendment 3	Bird Machine Co.	Signed in Dublin Office 11.01.'80	** mailed 16.1.'80	25.2.1980	25.2.1980 Courier				

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* = A.P.C.
 ** = SELLER

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ATTACHMENT NO. 8.6

PURCHASE ORDER NO.	NAME OF SELLER	DATE P.O. SENT TO A.P.C. FOR SIGNING	DATE SIGNED P.O. RET'D FROM A.P.C. & ISSUED TO SELLER	DATE COUNTER-SIGNED COPY OF P.O. REC'D FROM SELLER	SIGNED COPY OF P.O. SENT TO A.P.C.	GUARANTEE'S			REMARKS
						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
08-1875-21-4	Bird Machine Co.	3.5.1979	9.5.1979	August '79	1.8.'79				
Amendment 3	Bird Machine Co.	21.12.1979 Courier	9.1.1980 10.1.1980	29.01.1980	29.01.1980				By Courier
Amendment 4	Bird Machine Co.	Signed in Dublin office 11.01.'80	** mailed 16.1.'80	4.02.1980	8.02.1980				By Courier
08-1875-22-1	Einco Process Mach. Division.	3.5.1979	9.5.1979	18.6.'79	1.8.'79				
Amendment 3	Einco Process Mach.	Signed in Dublin office 11.01.'80	** mailed 16.1.'80	8.4.1980	10.4.1980 Courier				
08-1875-23-2	Dorr-Oliver Inc.	Signed in Dublin Office April 1979	20.4.1979	14.5.'79	1.8.'79				
Amendment 3	Dorr-Oliver Inc.	26.10.1979	15.11.1979	20.12.1979	21.12.1979 Courier				

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PURCHASE ORDER NO.	NAME OF SELLER	DATE P.O. SENT TO A.P.C. FOR SIGNING	DATE SIGNED P.O. RET'D FROM A.P.C. & ISSUED TO SELLER	DATE COUNTER-SIGNED COPY OF P.O. REC'D FROM SELLER	SIGNED COPY OF P.O. SENT TO A.P.C.	GUARANTEE'S			REMARKS
						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
08-1875-25-1	Allis-Chalmers	15.6.1979	20.6.1979	3.10.1979	5.10.'79				Hand Carried to A.P.C. by S.E.
Amendment 2	Allis-Chalmers	3.10.1979	16.10.1979		5.10.'79				Telex from APC (courier to Seller)
3	Allis-Chalmers	11.3.1980 Courier	* 25.3.1980 ** 27.3.1980	15.4.1980	25.4.1980				
4	Allis-Chalmers	25.3.1980 Courier	* 8.4.1980 ** 9.4.1980	15.4.1980	25.4.1980				
08-1875-29-1	Precismeca S.A.	9.7.1979	25.7.1979	21.9.'79	25.9.'79				
Amendment 2	Precismeca S.A.	5.9.'80 Courier	* 25.9.1980 ** 26.9.1980 Courier.	14.10.'80	17.10.80 Courier				
08-1875-29-2	Fried Krupp Gmbh (Draft Purchase Order)		By courier to Seller 20.12.1979						
08-1875-29-2	Fried Krupp Gmbh	25.01.1980 Courier	* Returned 12/2/80 ** Courier 14/2/80	20.2.1980	21.2.1980 Courier				
Amendment 2	Fried Krupp Gmbh	12.5.1980 Courier	** 29.5.1980	23.6.1980	27.6.1980				

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						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
08-cs75-29-2 Amendment 3	Fried Krupp GMBH	22nd. July 1980	* 9.9.1980 ** Hand Carried 9.9.1980 (F.K.)	15.9.1980	16.9.1980 Courier				

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PURCHASE ORDER NO.	NAME OF SELLER	DATE P.O. SENT TO A.P.C. FOR SIGNING	DATE SIGNED P.O. RET'D FROM A.P.C. & ISSUED TO SELLER	DATE COUNTER-SIGNED COPY OF P.O. REC'D FROM SELLER	SIGNED COPY OF P.O. SENT TO A.P.C.	GUARANTEE'S			REMARKS
						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
08-1875-34-1	Pfister Waagen Gmbh	11.6.1979	12.6.1979	25.9.1979	27.9.'79				By Courier
Amendment 2	Pfister Waagen Gmbh	9.7.1979	25.7.1979	25.9.1979	27.9.'79				
Amendment 3	Pfister Waagen Gmbh	Signed in Dublin Office 11.01.'80	** mailed 16.1.'80	4.02.1980	8.02.1980				
08-1875-39-1	Rahco Disc Inc.	Signed in Washington Sept.13th.'79	Issued to Seller at meeting in Washington	13.9.1979	20.9.'79				By Courier
Amendment 1	Rahco Disc Inc.	12.9.1980	Courier.						
Amendment 2	Rahco Disc Inc.	7.11.1980 Hand Carried (NMF)	5.12.1980						
08-1875-39-3	GPE Teo Ltd.	Hand carried to APC by DG	8.10.1979	12.10.1979	18.10.'79				By Courier
Amendment 2	GPE Teo Ltd.	Signed in Dublin Office 11.01.'80	** mailed 16.1.'80	31.01.1980	1.02.'80				

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** = SELLER

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ATTACHMENT NO. 8.5

PURCHASE ORDER NO.	NAME OF SELLER	DATE P.O. SENT TO A.P.C. FOR SIGNING	DATE SIGNED P.O. RET'D FROM A.P.C. & ISSUED TO SELLER	DATE COUNTER-SIGNED COPY OF P.O. REC'D FROM SELLER	SIGNED COPY OF P.O. SENT TO A.P.C.	GUARANTEE'S			REMARKS
						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
08-1875-40-6	Worthington-Simpson Ltd.	3.5.1979	9.5.1979	18.5.1979	29.6.1979				
08-1875-58-2	Ward Brothers (Sherburn) Ltd.	9.7.1979	25.7.1979	8.8.1979	23.8.1979				
Amendment 2	Ward Brothers.	Signed in Dublin Office 11.01.'80	** mailed 16.1.'80	25.01.1980	28.01.'980				Mailed to APC
Amendment 3	Ward Brothers								
08-1875-64-15	Foxboro-Yoxall Ltd.	22.6.1979	(1) 25.7.1979 (2) 20.8.1979	21.9.1979	21.9.1979				
08-1875-64-15 Amendment 2	Foxboro-Yoxall Ltd.,								

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PURCHASE ORDER NO.	NAME OF SELLER	DATE P.O. SENT TO A.P.C. FOR SIGNING	DATE SIGNED P.O. RET'D FROM A.P.C. & ISSUED TO SELLER**	DATE COUNTER-SIGNED COPY OF P.O. REC'D FROM SELLER	SIGNED COPY OF P.O. SENT TO A.P.C.	GUARANTEE'S			REMARKS
						PERFORMANCE GUARANTEE FOR 10*	BANK GUARANTEE FOR 15*	BANK GUARANTEE FOR 25*	
OS-1875-64-45	Fisher Controls Ltd.	9.7.1979	25.7.1979	2.01.1980					
Amendment 3	Fisher Controls	By Courier 13.11.1979	* 4.12.1979 Courier 4.12.79		2.01.'80 Courier				
Amendment 4	Fisher Controls	Signed in Dublin Office 11.01.'80	** mailed 16.1.'80						
OS-1875-65-4	Westinghouse Electric	By Courier 13.11.1979	* 4.12.1979 Courier 5.12.1979	10.1.1980	11.1.1980				
OS-1875-65-4 Amendment 2	Westinghouse Electric	Signed in Dublin Office 10.1.1980	Signed in Dublin Office 10.1.80 **	10.1.1980	11.1.1980				
Amendment 3	Westinghouse Electric	By Courier 27.3.1980	* 9.4.1980 ** 11.4.1980						
Amendment 4	Westinghouse Electric	By Courier 26.9.1980	* 13.10.1980 **14.10.1980 Courier						
Amendment 5	Westinghouse Electric								

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PURCHASE ORDER STATUS REPORT

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PURCHASE ORDER NO.	NAME OF SELLER	DATE P.O. SENT TO A.P.C. FOR SIGNING	DATE SIGNED P.O. RET'D FROM A.P.C. & ISSUED TO SELLER	DATE COUNTER-SIGNED COPY OF P.O. REC'D. FROM SELLER	SIGNED COPY OF P.O. SENT TO A.P.C.	GUARANTEE'S			REMARKS
						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	BANK GUARANTEE FOR 25%	
08-1875-39-4	Rahco Disc. Inc.								

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Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA				Remarks and Effect on Phase Deadlines	
			Purchase Order	Delivery Date	Place	Current Position		
(a)	<u>Phase 1 (by 1.5.80) - Complete</u>							
	<u>Phase 2A (by 15.2.81)</u>							
	Brine Intake Jetty and Pump Station	Bearings	APJ/X/0044/AC	21.1.80	fob	On Site		
		Timber Decking	APJ/X/0046/AC + 0099/AC	Jan to Apr 80 + 2.6.80	fob	On Site		
		Bolts for Decking	APJ/X/0090/AC	12.5.80	fob	On Site		
		Nuts & Bolts	APJ/X/0124/AC	15.7.80	Winpey	On Site		
		Nuts & Bolts	APJ/X/0128/AC	25.7.80	fob	On Site		
		Steelwork	APJ/X/0047/A	Mar/Apr 80	fob	Part Shipped	Part complete ex-Work	
		Steelwork	APJ/X/0048/AC	Feb/Apr 80	fob	Part Shipped	Part complete ex-Work	
		Tubular Piles	APJ/X/8/AC	Sep to Nov 79	fob	On Site		
		Tubular Piles	APJ/X/0118/AC	Jul/Aug 80	fob	On Site		
		Pile Caps	APJ/X/0047/BC	From Feb 80	fob	On Site		
		Pile Caps	APJ/X/0115/AC	20.6.80	fob	On Site		
		Sheet Piles	APJ/X/0011/AC	End Nov 79	fob	On Site		
		Sheet Piles	APJ/X/0062/AC	29.2.80	fob	On Site		
		Paint	APJ/X/0076/A/B/C/D	Mar/Apr/May 80	fob	On Site		
		Paint	APJ/X/0121/AC	11.7.80	fob	On Site		
		Hardener	APJ/X/0.31/AC	14.8.80	fob	On Site		
		Pumps GOOL + Parts	850/265-4-G1	15.2.80 + 21.9.80	fob	Shipped		
		Gaskets	850/265-4-P93	29.8.80	fob	On Site		
		Valve	850/265-4-P95	8.8.80	Ex-works	On Site		
		Nipples	850/265-4-P99	1.9.80	Ex-works	On Site		
		Pump Spares	850/265-4-G4	End Aug 80	fob	Part shipped		
		Level Control	850/265-4-J1	22.12.79	Winpey	On Site		
		Alarms	850/265-4-J2	19.10.79	R'Shaw	On Site		
		Alarms	850/265-4-J502	End Aug 80	Ex-works	On Site		
		Indicator	850/265-4-J4	19.10.79 + 25.6.80	R'Shaw/D+S	On Site		
		Power Unit	850/265-4-J5	24.9.79	R'Shaw	On Site		
		+ Spare Parts	850/265-4-J505	25.6.80	Winpey	On Site		
		Pressure Gauges	850/265-4-J6	7.9.79 + 16.4.80	Winpey	On Site		
		Pressure Gauges	850/265-4-J506	18.7.80	Winpey	On Site		
		Control Panel + Spares	850/265-4-J7	Dec 79/Apr 80	fob	Shipped		
		Valves	850/265-4-J507	30.9.80	Winpey	A/W airfreight		
		Valves	850/265-4-P1	15.2.80	fob	On Site		
		Orifice Plates	850/265-4-P67	15.5.80	fob	On Site		
		Nuts & Bolts	850/265-4-P56	24.3.80	Winpey	On Site		
		Pipe & Connectors	850/265-4-P57	28.3.80	Winpey	On Site		
		Tees & Elbows	850/265-4-P58	14.3.80	Winpey	On Site		
		Needle Valves	850/265-4-P59	14.3.80	Winpey	On Site		
		Needle Valves	850/265-4-P106	Sep/Oct 80	Winpey	A/W shipping		
		Valve Guards	850/265-4-P60	27.5.80	fob	On Site		
		Ring Ferrules	850/265-4-P84	31.5.80	Winpey	On Site		
		Pipe Supports	850/265-4-P104	3.10.80	fob	A/W shipping		
		Cable	850/265-4-L2	3.10.80	Winpey	To be airfreighted		
		Permanent Pipeline to Brine Canal	Pipes & Fittings	APJ/X/6/AC	Mid Mar 80	Site	On Site	
			Fittings	APJ/X/0075/AC	End Feb 80	fob	On Site	
			Couplings	APJ/X/0078/AC	1.4.80	fob	On Site	
			Couplings	APJ/X/0096/AC	5.7.80	fob	Shipped	
			Flange Gaskets	APJ/X/0098/AC	29.5.80	fob	On Site	
			Manway Doors	APJ/X/119/AC	7.7.80	fob	On Site	
		Manway Doors + Components	850/265-B-4-P8	Nov 79 + 21.4.80	5' fab	On Site		
		Spools	850/265-B-4-P4	Nov 79	fob	On Site		

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Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA				Remarks and Effect on Phase Deadlines
			Purchase Order	Delivery Date	Place	Current Position	
	300 mm f/w Flushing Pipe from Tank	Air Valves	850/265-B-4-P6	Mar 80 + 29.8.80	fob	On Site	
Gaskets		850/265-4-P12	10.3.80	Wimpey	On Site		
Fittings		850/265-4-P81	19.5.80	Ex-works	On Site		
Pipe Supports		850/265-4-P76	2.6.80	fob	On Site		
Pipe Supports		850/265-4-P102	26.9.80	fob	On Site		
Steel Pipe		850/265-4-P15	31.7.79	Wimpey	On Site		
Spools		850/265-4-P50	30.4.80 + 4.6.80	fob	On Site		
Strainers		850/265-4-P17	13.8.79 + 4.4.80	Wimpey	On Site		
Valves		850/265-4-P2	1.12.79 + 26.5.80	fob	On Site		
Valves		850/265-4-P19	20.9.79	Wimpey	On Site		
Valves		850/265-4-P22	15.11.79	Wimpey	On Site		
Valves		850/265-4-P29	30.11.79	Wimpey	On Site		
Valves		850/265-4-P91	24.7.80	Ex-works	Shipped		
Gland Packing		850/265-4-P45	25.6.80	Ex-works	On Site		
Gaskets		850/265-4-P65	30.5.80	fob	On Site		
Gaskets		850/265-4-P93	29.8.80	Ex-works	On Site		
Nuts & Bolts		850/265-4-P83	6.6.80	fob	On Site		
Nuts & Bolts		850/265-4-P92	28.8.80	fob	Shipped		
Flexible Hcse		850/265-4-P86	25.8.80	Ex-works	On Site		
Flanges		850/265-4-P99	1.9.80	Ex-works	On Site		
(b)	Canal Outfall Road Bridge	Timber Decking	APJ/X/0046/AC	Jan to Apr 80	fob	On Site	
Tubular Piles		APJ/X/8/AC	Sep to Nov 79	fob	On Site		
Pile Caps		APJ/X/0047/BC	Jan/Feb 80	fob	On Site		
Pile Caps		APJ/X/0115/AC	20.6.80	fob	On Site		
Steelwork		APJ/X/0048/AC	Feb/Apr 80	fob	Part Shipped		
Runway Beams		APJ/X/0123/AC	Sept 80	fob	Complete ex-Works		
(f)	Freshwater Supply - Safi to Process Plant	Well Casing	846/112/31878	Jan 80	fob	On Site	
Well Screens		846/112/34304	Jan 80	fob	On Site		
Borehole Pumps		846/112/35081	4.7.80	fob	Now Sched - Dec 80		
Pump Motors		850/265/4-L1		fob	Status not known		
Instrumentation		846/112/37580	End Jul 80	fob	On Site		
Sheeting		848/016/27290	Jun 80	fob	On Site		
Cable Strapping		850/265-4-J20	N/A	fob	On Site		
Pumps GOLL		850/265-4-G1	15.2.80	fob	On Site		
Pump Spares		850/265-4-G4	End Aug 80	fob	Shipped		
Pump Baseplates		850/265-4-G005	1.10.80	fob	Shipped		
Pipe & Components		850/265-4-P77	1.5.80	fob	On Site		
Pipe & Fittings		850/265-4-P107	19.9.80	Ex-works	A/W shipping		
Pipes		APJ/X/2/AC	Jan to May 80	Site	On Site		
Pipes		APJ/X/0069/AC	May 80	Site	On Site		
Pipe Facings		APJ/X/0068/AC-CC	End Jan 80	fob	On Site		
Pipe Facings		APJ/X/0087/AC	Mid Mar 80	fob	On Site		
Angle Ties		APJ/X/0081/AC	25.4.80	fob	On Site		
Manhole Step Irons		APJ/X/0017/AC	14.7.79	fob	On Site		
Manhole Covers		APJ/X/0049/AC	14.1.80	fob	On Site		
Tee Key Boxes		APJ/X/0092/AC	10.6.80	fob	Part Shipped		
Pipe Fittings		APJ/X/0125/AC	Aug/Sep 80	fob	Shipped		
Amplifier		850/265-4-J2	19.10.79	D + S	On Site		
Amplifier		850/265-4-J502	End Aug 80	Ex-works	On Site		
Indicators		850/265-4-J4	19.10.79	D + S	On Site		
Pressure Gauges		850/265-4-J6	7.9.79 + 16.4.80	Wimpey	On Site		
Pressure Gauges		850/265-4-J506	18.7.80	Wimpey	On Site		
Instrumentation + Mounting Bins+		850/265-4-J8	Nov 79/Jan/May 80 + 22.8.80	Wimpey D + S	On Site		
Spare Parts		850/265-4-J508	18.8.80	Wimpey	On Site		

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Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA				Remarks and Effect on Phase Deadlines		
			Purchase Order	Delivery Date	Place	Current Position			
(f) cont	Freshwater Supply - Safi to Process Plant	Annunciator	850/265-4-J9	18.10.79	D + S	On Site	Not yet critical		
		Spare Parts	850/265-4-J509	3.7.80	Wimpey	On Site			
		Pressure Switch	850/265-4-J10	21.3.80	Wimpey	On Site			
		Instrumentation	850/265-4-J11	Sep/Nov 79	Wimpey	On Site			
		Control Panel	850/265-4-J17	4.10.80 + 17.10.80	fob	On Schedule			
		Instrumentation	850/265-4-J19	22.5.80	Wimpey	On Site			
		Instrumentation	850/265-4-J23	29.8.80	fob	Now Sched - Nov 80			
		GRP Enclosure	850/265-4-J24	17.10.80	fob	A/W shipping			
		Valves	850/265-4-P2	15.9.79 + 19.5.80	fob	On Site			
		Valves	850/265-4-P3	30.8.79	fob	On Site			
		Valves	850/265-4-P7	15.1.80 + 18.7.80	fob	On Site			
		Valves	850/265-4-P9	22.5.80	fob	On Site			
		Actuators	850/265-4-P9	14.7.80	fob	Shipped			
		Valves & Spares	850/265-4-P13	15.12.79 + 7.3.80	fob	On Site			
		Valves	850/265-4-P18	23.7.80 + 25.4.80	fob	On Site			
		Valve	850/265-4-P39	6.3.80	fob	On Site			
		Valves	850/265-4-P44	7.7.80 + 20.6.80	fob	On Site			
		Valves	850/265-4-P45	29.2.80 + 25.6.80	Wimpey	On Site			
		Valves	850/265-4-P85	5.9.80	fob	On Site			
		Valves	850/265-4-P119	17.10.80	Ex-works	A/W shipping			
		Gaskets	850/265-4-P65	30.4.80	Wimpey	On Site			
		Bolts & Nuts	850/265-4-P66	18.4.80	Wimpey	On Site			
		Valve Caps	850/265-4-P69	2.7.90	Ex-works	On Site			
		(d)	Township Electrical Transmission) Line)	Isolators + Parts	Y1463	Jun/Aug/Sep 80		fob	On Site
		(e)	Safi Electrical Transmission Line)	Transformers	Y1553	12.10.79		fob	On Site
				Surge Divertors	Y1554	4.1.80		fob	On Site
				Distr. Boards	Y1632	End Feb 80 + 30.9.80 + 31.10.80		fob	On Site
				Cable	Y1645				Shipped
				Conductor	Y1674	Mar/Jul/Aug 80		fob	On Site
				Cepacitor	Y1687	End Jan 80		fob	On Site
				Angles	Y1801	End Feb 80		fob	On Site
				Busbars	Y1821	Mar 80		fob	On Site
Transformers	Y1840			3.5.80	fob	On Site			
Cenc. Stay Blocks	Y1896					On Site			
Stay Rods	Y2022					On Site			
Panel + Spares	Y2122			Jun + Sep 80	fob	On Site			
Transformers	Y2173			18.4.80 + 30.9.80	fob	On Site			
Plugs/Sockets	Y2174			4.1.80	fob	On Site			
Distr. Boards + Parts	Y2177			1.6.80 + 21.11.80	fob	On Site			
Wood Poles	Y2183			21.11.80	fob	On Schedule			
Steelwork	Y2349			Mid Jan 80	fob	On Site			
Tripping	Y2507			End Feb 80	fob	On Site			
Post Insulators	Y2537			30.5.80	fob	On Site			
Comp. Glands	Y2549			End Apr 80 + Aug 80	fob	On Site			
Steelwork	Y2572			Mar 80	fob	On Site			
Term.Poles etc.	Y2573			10.5.80	fob	On Site			
Isolator Poles	Y2574			May to Aug 80	fob	On Site			
Tee Off Pole	Y2575			9.5.80	fob	On Site			
Steelwork	Y2576			End May 80	fob	On Site			
Steelwork	Y2577			6.6.80	fob	On Site			
Steelwork	Y2578			6.6.80	fob	On Site			
Steelwork	Y2579			6.6.80	fob	On Site			
Steelwork	Y2580			6.6.80	fob	On Site			
Steelwork	Y2581			6.6.80	fob	On Site			

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Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA				Remarks and Effect on Phase Deadlines
			Purchase Order	Delivery Date	Place	Current Position	
(d) and (e) cont.	Transmission Lines	Steelwork	Y2582	6.6.80	fob	On Site	
		Line Splices etc.	Y2588	End Mar 80	fob	On Site	
		Sockets	Y2599	27.6.80	fob	On Site	
		Stirrups	Y2603	24.3.80	fob	On Site	
		Tape/Wire	Y2604	24.3.80	fob	On Site	
		Surge Divertors	Y2607	Jun 80	fob	On Site	
		Transformers	Y2616	25.7.80	fob	Shipped	
		Brackets etc.	Y2624	Mar 80	fob	On Site	
		Cable Trays/Covers	Y2625	Apr 80	fob	On Site	
		Brackets etc	Y2626	Apr 80	fob	On Site	
		Screws/Washers	Y2627	Apr 80	fob	On Site	
		Cable	Y2628	End Aug 80	fob	On Site	
		Fuse Links	Y2629	Apr 80	fob	On Site	
		Lamp Bulbs	Y2630	Apr 80	fob	On Site	
		Fuse Links	Y2631	Apr 80	fob	On Site	
		Cable	Y2632	Apr 80	fob	On Site	
		Comp. Glands	Y2650	Apr 80	fob	On Site	
		Transformers	Y2654	Apr 80	fob	On Site	
		Cable	Y2665	5.9.80	fob	Shipped	
		Transformers	Y2670	Apr 80	fob	On Site	
		Stay Rods	Y2672	29.8.80	fob	Shipped	
		Steelwork	Y2674	May/Jun 80	fob	On Site	
		Cable Ties	Y2675	22.6.80	fob	On Site	
		Comp. Lugs	Y2676	Apr 80	fob	On Site	
		Labels	Y2677	Apr 80	fob	On Site	
		Wooden Poles	Y2682	May 80	fob	On Site	
		Cable	Y2753	16.5.80	fob	On Site	
		Surge Divertors	Y2755	14.7.80	fob	On Site	
		Steelwork	Y2756	20.6.80	fob	On Site	
		Genklene	Y2783	May 80	fob	On Site	
		Screws & Nuts	Y2784	Jun 80	HSPE	On Site	
		Comp. Lugs	Y2808	Jun 80	HSPE	On Site	
		Earth Cable	Y2809	Jun 80	HSPE	On Site	
		Cable	Y2810	Jun 80	HSPE	On Site	
		Breather & Gaskets	Y2816	4.7.80	fob	On Site	
		Terminals & Switch	Y2818	Jun 80	fob	On Site	
		Studs	Y2819	Jun 80	fob	Shipped	
		Steelwork	Y2873	Jul 80	fob	On Site	
		Steelwork	Y2874	Jul 80	fob	On Site	
		Cable Ties	Y2876	Jul 80	fob	On Site	
		Steelwork	Y2877	16.6.80	fob	On Site	
		Stay Rods/Glands	Y2878	Jul 80	fob	On Site	
		Steelwork	Y2879	Jul 80	fob	On Site	
		Stirrups	Y2891	Jul 80	fob	On Site	
		Tape/Wire	Y2892	Jul 80	fob	On Site	
		Cable	Y2896	Jul 80	fob	On Site	
		Term. Kits	Y2992	Jul 80	fob	Shipped	
		Cable	Y2993	Jul 80	fob	On Site	
		Cable	Y2994	Jul 80	fob	On Site	
		Cable	Y2995	Jul 80	fob	On Site	
		Cable	Y2996	Jul 80	fob	On Site	
		Bandits	Y2997	Jul 80	fob	On Site	
		Tension Joints	Y3001	Jul 80	fob	On Site	
		Labels	Y3010	Jul 80	fob	On Site	
		Cable	Y3011	8.8.80	fob	On Site	
		Glands etc	Y3012	8.8.80	fob	On Site	
		Lifting Truck	Y3014	25.7.80	fob	Shipped	
		Connectors	Y3042	29.8.80	fob	Delivered to Wimpey	
					fob	On Site	

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Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA				Remarks and Effect on Phare Deadlines
			Purchase Order	Delivery Date	Place	Current Position	
(d) and (e) cont	Transmission Lines	Cable Trays	Y3043	Aug 80	fob	On Site	
		Brackets/Plates	Y3044	Aug 80	fob	On Site	
		Studs	Y3045	24.7.80	fob	On Site	
		Wooden Poles	Y3054	21.7.80	fob	On Site	
		Cables	Y3058	21.7.80	fob	On Site	
		Tape	Y3061	24.7.80	fob	On Site	
		Cable	Y3069	Mid Aug 80	fob	On Site	
		Stay Wire	Y3076	Jul/Aug 80	fob	On Site	
		Cable Lugs	Y3078	14.8.80 + 24.10.80	fob	Part Shipped	Part to be A/F
		Glands	Y3079	8.8.80	fob	On Site	
		Brackets	Y3080	Aug 80	fob	On Site	
		Switchgear Spares	Y3082	1.9.80	fob	Status not known	
		Rectifier Stack	Y3087	Aug 80	fob	Shipped	
		Fuses	Y3088	31.8.80	fob	On Site	
		Fuses	Y3089	30.9.80	fob	Shipped	
		Fuse Links	Y3092	Oct 80	fob	3 weeks delay	Not critical
		Term. Boxes	Y3132	29.8.80	fob	On Site	
		P.B. Stations	Y3133	29.8.80	fob	Shipped	
		Connectors	Y3135	29.8.80	fob	On Site	
		Stay Wire	Y3136	Aug 80	fob	On Site	
		Push Buttons	Y3137	Aug 80	fob	Shipped	
		Steelwork	Y3143	Sep 80	fob	Shipped	
		Conductor	Y3144	Aug 80	fob	Shipped	
		Ccmp. Glands	Y3145	19.8.80	fob	Part shipped	Part delayed
		Barbed Wire	Y3190	Aug 80	fob	On Site	
		Ccmp. Lugs	Y3196	Aug/Oct 80	fob	Shipped	
		Clamps	Y3197	Sep 80	fob	On Site	
		Conductor	Y3199	Aug 80	fob	Shipped	
		Back nuts	Y3200	Sep 80	fob	Shipped	
		Nuts/Screws etc	Y3207	Sep 80	fob	Shipped	
		Luminaires	Y3211	Oct 80	fob	Shipped	
		Screws, Washers	Y3215	Sep 80	fob	On Site	
		Earthing Cable	Y3240	Sep 80	fob	On Site	
		Distr. Board	Y3241	Sep 80	fob	Shipped	
		Steelwork	Y3242	Oct 80	fob	Shipped	
		Distr. Board	Y3246	Sep 80	fob	Shipped	
		Studs, Washers etc	Y3247	Sep 80	fob	Shipped	
		Cable Tray	Y3248	Sep 80	fob	Shipped	
		Fuses	Y3249	Sep 80	fob	Shipped	
		Cable Joints	Y3250	Sep 80	fob	Shipped	
		Conductor	Y3251	Sep 80	fob	Shipped	
		Luminaires	Y3258	Oct 80	fob	Shipped	
		Clips, Seals etc	Y3293	Sep 80	fob	Shipped	
		Switches etc	Y3294	Oct 80	fob	Shipped	
		Rawnuts	Y3296	Sep 80	fob	Shipped	
Channel/Brackets	Y3297	Oct 80	fob	Shipped			
Cleats	Y3298	Oct 80	fob	Shipped			
Anchors	Y3299	Sep 80	fob	Shipped			
Conductor	Y3291	Oct 80	fob	Shipped			
Channel/Brackets	Y3300	Oct 80	fob	Shipped			
Cable Tray	Y3308	Oct 80	fob	To be airfreighted			
Screws etc	Y3314	Oct 80	fob	Shipped			
Clamps	Y3315	Oct 80	fob	Shipped			
Bolts, Screws etc	Y3316	Oct 80	fob	Shipped			
Steelwork	Y3317	Nov 80	fob	To be airfreighted			
Plates, Screws	Y3339	Oct 80	fob	Shipped			
Lamp Bulbs	Y3340	Nov 80	fob	A/W packing			
Fuses	Y3341	Feb 81	fob	On Schedule			

Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA				Remarks and Effect on Phase Deadlines	
			Purchase Order	Delivery Date	Place	Current Position		
(d) and (e) cont	Transmission Lines	Fuses	Y3342	Nov 80	fob	A/W packing		
		Relays	Y3344	Jan 81	fob	On Schedule		
		Control Board	Y3346	Oct 80	fob	Shipped		
		Insulators	Y3387	Oct 80	fob	Shipped		
		Earthing Cable	Y3388	Nov 80	fob	Shipped		
		Cable	Y3386	Oct 80	fob	Shipped		
		Screws, Nuts	Y3401	Oct 80	fob	Shipped		
		Cable Strapping	Y3402	Oct 80	fob	Shipped		
		Dead-ends, Lugs	Y3410	Oct 80	fob	To be airfreighted		
		<u>Phase 2B (by 15.3.81)</u>						
		(a)	Brine Transfer Stations	Tubular Piles	APJ/X/0050/AC	Feb to Apr 80	fob	On Site
Paint	APJ/X/0102/AC			Jun 80	fob	On Site		
Paint	APJ/X/0105/AC			Jun 80	fob	On Site		
Hardener	APJ/X/0131/AC			16.8.80	fob	On Site		
Sheet Piles	APJ/X/0011/AC			End Nov 79	fob	On Site		
Sheet Piles	APJ/X/0062/AC			29.2.80	fob	On Site		
Steelwork	APJ/X/0112/AC			Jun to Sep 80	fob	Part Shipped		
Pipes & Fittings	APJ/X/G/AC			Mid Apr 80	Site	On Site		
Pipes & Fittings	850/265-4-P107			7.10.80	Ex-works	A/W shipping		
Tube Fittings	850/265-4-P114			8.10.80	Wimpey	A/W shipping		
Steel Pipe	850/265-4-P62			26.3.80	fob	On Site		
Pipe Fittings	850/265-4-P87			24.7.80	fob	On Site		
Pipe Support	850/265-4-P63			8.4.80	fob	On Site		
Pipe Support	850/265-4-P73			16.4.80	fob	On Site		
Pipe Support	850/265-4-P76			2.6.80	fob	On Site		
Support System	850/265-4-L5			Sep/Oct 80	Wimpey	75% shipped		
C/Steel Fittings	850/265-4-P71			21.3.80	fob	On Site		
C/Steel Flanges	850/265-4-P72			8.4.80 + 6.6.80	fob	On Site		
Pipe Rings	850/265-4-P110			29.9.80	Wimpey	A/W airfreight		
PC1 Feed	Pumps G004			850/265-4-G1	15.2.80	fob	On Site	
	Spools			850/265-4-P70	19.6.80	fob	On Site	
PC2 Feed	Ring Ferrules			850/265-4-P84	31.5.80	Wimpey	On Site	
	Pumps G005			850/265-4-G1	15.2.80	fob	On Site	
C1/C2 Feed	Pumps G006			850/265-4-G1	15.2.80	fob	On Site	
	Pump Spares			850/265-4-G4	End Aug 80	fob	Shipped	
	Pipe + Connectors			850/265-4-P57	28.3.80 + 16.4.80	Wimpey	On Site	
	Tees & Elbows			850/265-4-P58	14.3.80	Wimpey	On Site	
	Fittings			850/265-4-P88	21.8.80	Ex-works	On Site	
	Needle Valves			850/265-4-P59	14.3.80	Wimpey	On Site	
	Valve Guards			850/265-4-P60	27.5.80	fob	Shipped	
	Spools			850/265-4-P64	30.4.80 + 26.5.80	fob	On Site	
	Spools			850/265-4-P96	22.8.80	Ex-works	Shipped	
	Valves			850/265-4-P49	31.9.80	Ex-works	On Site	
	Valves			850/265-4-P68	3.7.80	fob	On Site	
	Valves			850/265-4-P69	19.5.80 + 2.7.80	fob	On Site	
	Valves			850/265-4-P74	25.7.80	fob	On Site	
	Valves			850/265-4-P75	9.5.80 + 26.6.80	fob	On Site	
	Mobile Pumps G012			850/265-4-G1	15.2.80 + 5.9.80	fob	On Site	
	Pump G012 Spares			850/265-4-G4	15.2.80	fob	On Site	
	Flushing Pumps - G014 + Spares			850/265-4-G3	30.6.80	fob	On Site	
	Pump Coating			850/265-4-P105	29.9.80	fob	A/W shipping	
	Couplings			850/265-4-P97	22.8.80	fob	On Site	
	Freshwater Tanks			850/265-4-D2	1.8.80	fob	Shipped	
	Amplifiers			850/265-4-J2	19.10.79	R'Shaw	On Site	
	Amplifier			850/265-4-J502	End Aug 80	Ex-works	On Site	

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Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA				Remarks and Effect on Phase Deadlines		
			Purchase Order	Delivery Date	Place	Current Position			
(a)	cont Brine Transfer Stations	Pressure Gauges	850/265-4-J6	7.9.79 + 16.4.80	Wimpey	On Site	Not critical Part A/W shipping		
		Pressure Gauges	850/265-4-J506	18.7.80	Wimpey	On Site			
		Control Panel	850/265-4-J7	22.11.79	fob	On Site			
		Valves/Power Packs	850/265-4-P1	15.2.80 + 28.5.80	fob	On Site			
		+ Components		+ 19.8.80	fob	11 weeks delay			
		Gaskets	850/265-4-P12	10.3.80	Wimpey	On Site			
		Strainers	850/265-4-P17	4.4.80	Wimpey	On Site			
		Steel Fittings	850/265-4-P24	14.12.79	Wimpey	On Site			
		Steel Fittings	850/265-4-P25	21.1.80	Wimpey	On Site			
		Steel Fittings	850/265-4-P108	15.9.80 + 30.10.80	Wimpey	Part shipped			
		Steel Pipe	850/265-4-P28	29.11.79	Wimpey	On Site			
		Comp. Fittings	850/265-4-P41	11.1.80	Wimpey	On Site			
		Comp. Fittings	850/265-4-P103	End Sep 80	Wimpey	A/W Shipping			
		Comp. Fittings	850/265-4-P116	3.10.80	Wimpey	Shipped			
		C/Steel Shims	850/265-4-P78	26.5.80	fob	On Site			
		Couplings	850/265-4-P90	Jul/Oct/Nov 80	Ex-works	Shipped			
		Ring Ferrules	850/265-4-P98	19.9.80	Wimpey	Shipped			
		(b)	Camellite Pan Outlet Pipe	Valves	850/265-4-P48	24.4.80		fob	On Site
				Valves	850/265-4-P49	14.5.80 + 5.6.80		Wimpey	On Site
(c)	Temporary Brine Supply Pipeline to Outfall	Pipes & Fittings	APJ/X/6/AC	Mid Apr 80	Site	On Site			
		Couplings	APJ/X/0078/AC	1.4.80	fob	On Site			
		Couplings	APJ/X/0097/AC	5.7.80	fob	On Site			
		Flange Gaskets	APJ/X/0098/AC	29.5.80	fob	On Site			
		Connections	APJ/X/127/AC	1.8.80	fob	On Site			
		Pipe Supports	APJ/X/0139/AC	30.9.80	fob	Complete ex-Works			
		Spools	APJ/X/0064/AC	Mar to Jul 80	fob	Part shipped			
		Washers	APJ/X/0146/AC	8.10.80	fob	Complete ex-Works			
		Manway Doors	850/265-B-4-P8	Jun/Jul 79/Apr 80	S'fab	On Site			
		Valves	850/265-4-P1	25.2.80	fob	On Site			
		Air Valves	850/265-4-P6	End Mar 80 + 29.8.80	fob	On Site			
		Valve	850/265-B-4-P39	6.3.80	Ex-works fob	Shipped On Site			
		(d)	Dike Electrical Transmission Line Phase 3 (by 31.3.82)	Tubular Piles	APJ/X/0050/AC	Feb to Apr 80	fob	On Site	
				Paint	APJ/X/0102/AC	June 80	fob	On Site	
Hardener	APJ/X/0131/AC			16.8.80	fob	On Site			
Sheet Piles	APJ/X/0011/AC			End Nov 79	fob	On Site			
Sheet Piles	APJ/X/0072/AC			29.2.80	fob	On Site			
Piles & Fittings	APJ/X/6/7C			Mid Apr 80	Site	On Site			
Pipe Support	850/265-4-P76			2.6.80	fob	On Site			
Pumps G007 + Mounting Plates	850/265-4-G1			15.2.80 + 12.11.80	fob	On Site			
Tees & Elbows	850/265-4-P58			14.3.80	fob	On Schedule			
Fittings	850/265-4-P88			21.8.80	Wimpey	On Site			
Needle Valves	850/265-4-P59			14.3.80	Ex-works	On Site			
Valve Guards	850/265-4-P60			27.5.80	Wimpey	On Site			
Mobile Pump G012	850/265-4-G1			15.2.80 + 5.9.80	fob	Shipped			
Pump G012 Spares	850/265-4-G4			15.2.80	fob	On Site			
Amplifier	850/265-4-J2			19.10.79	fob	On Site			
Pressure Gauge	850/265-4-J6			7.9.79 + 16.4.80	R'Shaw	On Site			
Control Panel + Spares	850/265-4-J7 850/265-4-J507			22.11.79 30.9.80	Wimpey	On Site			
Valves	850/265-4-P1			15.2.80	fob	Shipped			
Strainers	850/265-4-P17			4.4.80	Wimpey	A/W airfreight On Site			