

PD-AAR-847

12/11/41480

MONTHLY PROGRESS REPORT

NOVEMBER, 1980

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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	
<u>Township</u>			
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	
<u>Solar Pans</u> (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.

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1.3 Status of Project

JIL

Home office services were still concentrated on checking submittals from Voest Alpine and also from Fried-Krupp and Brown Boveri.

Meetings were held with Voest Alpine and their subcontractors to continue converting areas from unit rate to a lump sum.

Salt bottom structural tests were carried out under the supervision of the Institute of Industrial Research and Standards (IIRS) in Carnallite Pan C-1. Preliminary results of the tests were issued at the job site and it was determined that additional salt would have to be deposited on the pan bottom for any bottom operated harvester.

A meeting was held at the job site with APC, JIL, Rahco and IIRS and it was concluded at the meeting that the Rahco harvester could not be operated in the Carnallite Pans even with additional salt base deposited. A copy of the Independent Floating Harvester drawing was submitted to Rahco for their review and comments.

AGP

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 October, 1980 to total man months expenditure programmed.	71%
---	-----

Estimated ratio of man months expenditure to end of November, 1980 to total man months expenditure programme.	73%
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Project Expenditure

The approximate expenditure to date on services included in Sir Alexander Gibb & Partners Sub-Contract Consultancy agreement has been US \$5,256,717.0

Electrical and Mechanical Equipment - Contract No. 3

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

2.0 Engineering and Design

2.1 JIL - Pasadena

No work reported this month.

2.2 JIL - Dublin

2.2.1 Project Engineering

Queries from bidders on the erection of the Screening and Compaction Plant were dealt with and a clarification meeting was held with Fried-Krupp.

Work commenced on the finalization of the operating procedures for the overall potash solar plant and refinery.

Drawings from BBC on Contract 11 continued to be reviewed and an inspection trip was made to inspect the boiler and ancillary equipment.

Drawings from Voest-Alpine on Contract 10 continued to be reviewed. Contractor furnished equipment specifications were received and approved if satisfactory.

2.2.2 Instrumentation

Instrumentation index was updated. Typical installation drawings were brought up to date. Foxboro was visited for inspection of control panel and Instruments ready for shipping. Specifications were updated for issue to Contract 10 contractor.

2.2.3 Piping and Mechanical

The main effort during the month was to quantify the additions and deletions to Contract Drawings (PDs) for Contractor Agreement - Contract 10.

Work continued on the Screening and Compaction Plant package. Meetings were held during the month with Fried-Krupp.

A review of the BBC power plant package drawings, specs, etc. took place during the month.

2.2.4 Civil Structural Design

The principal activities in the civil/structural discipline during this month has been providing a back up service for operations on site, dealing with detail queries and material approval. In addition what

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2.0 Engineering and Design - Continued

2.2.4 Civil Structural Design - Continued

has now become the normal quota of drawings from the contractors on the various contracts and purchase orders were reviewed.

As well as these general activities significant amounts of time were spent at all but completing the lumping up exercise on section two of contract number 10 and on correlating the report on the production pans salt layers.

2.2.5 Electrical Design

A meeting was held with Balfour Kilpatrick at which electrical installation drawings for the Service Buildings were handed over by B.K. for approval. These drawings were reviewed and returned with comments.

The following drawings were issued to the Contractors pricing Contract No. 12, Erection of Screening and Compaction Plant: Telephone and earthing layout drawings together with material lists of cable tray/rack and conduit.

Westinghouse drawings for 3,3kv Motor Control Centres (Schematic, wiring and layout) together with 380 volt Motor Control Centre Schematic diagrams were resubmitted, reviewed and returned with comments.

Meetings were held with Westinghouse Electric in Pittsburgh, Asheville and Chicago where the following equipment was inspected.

- (a) Motor Control Centre D" P.O. 65-4
- (b) Grounding Resistors, Reference H1/H3/H4 and Fia. P.O. 65-4.
- (c) Motor Control Centres "12-1", "13-1" and "14-1" P.O. 29-2.

2.2.6 Architectural Design

Administration Building : (a) Updating drawings re

- (i) Balustrades
- (ii) Lift details and
- (iii) Layout

- (b) Meetings with Voest Alpine
- (c) Clarifying finishes
- (d) Updating Specification

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2.0 Engineering and Design - Continued

2.2.6 Architectural Design

- Small Buildings :
- (e) As (b) above - clarifying requirements
 - (f) Checking vendor design drawings.
 - (g) General queries clarified.

2.3 AGP - Reading

2.3.1 Contract No. 2 - Permanent Township

Architectural

The following drawings were approved and returned to the Contractor

A1 and A2 houses	- 13 No
B Sports Club	- 12 No
Maintenance Depot	- 13 No
Kindergarten	- 2 No

Structural

Nothing to report

Mechanical and Electrical

Nothing to report.

2.3.2 Contract No. 3 - Solar Evaporation System

Civil works

Checking Contractor's working drawings for civil works continued.

2.3.3 Contract No. 4 - Movable Furniture

Nothing to report.

2.3.4 Contract No. 6 - Additional Buildings

Tender Documents

Tenders were invited by the Employer.

2.3.5 Contract No. 7 - Hospital Equipment

Nothing to report.

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3.0 Carnallite Harvesting

Field testings on the Salt Bottom were completed during the month in carnallite Pan C-1.

A grid pattern of core samples were taken and plate bearing tests were made on the salt bottom using a floating pontoon system with Hydraulic Tracks to exert pressure on the bottom.

The results of the tests confirmed that the present Rahco harvester could not be supported on any economical thickness of salt.

It was determined that with an additional season of salt deposit that the "Independent Floating Harvester" with a total bottom pressure of 50-60 tons could operate with a safety factor of 2.

A copy of the drawings and data on the "Independent Floating Harvester" was handed to Rahco for their evaluation.

4.0 JIL - Contracts

Contract 10 with Voest Alpine. Work continued on converting to a lump sum basis of contract. Due to delays by Voest Alpine, it is now planned to complete this exercise by 19th January, 1981. Work continues in monitoring and clarifying technical and commercial points on contract documents.

Contract 11 with Brown Boveri. Piping drawings have been delivered and are being reviewed by JIL. Other technical and commercial questions continue to be answered by JIL.

Contract 12 - Erection of Screening and Cosmpaction Equipment.

The tenders were received on 1st December, 1980 and the tenders include electrical work.

5.0 Procurement - JIL

PO-08-1875-01-1 : Centrifugal Pumps - 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. APC have agreed to do this, but at this time it has not been done.

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

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

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

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

PO-08-1875-01-4 : Process Slurry Pumps - Worthington Canada

Final shipment on original Purchase Order was made on 17th October, 1980, and arrived at Aqaba on 14th November, 1980.

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

This Purchase Order is complete, equipment was shipped from Sheerness U.K. on 17th November, and was due Aqaba 29th November, 1980. Original delivery schedule was 1st October 1980 at Aqaba, this was hampered by the poor performance of Philadelphia Gear suppliers of the lube consuls.

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

This purchase order is now complete. 90% payment has been made.

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

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

5.0 Procurement - JIL - Continued

P0-08-1875-11-2 : Plate Heat Exchangers - Alfa Laval

Hydro and Helium tests were carried out on 13th
14th November, 1980. Plates will be shipped to
Aqaba in 1981, when the remaining 5% of the
plates are available.

P0-08-1875-16-1 : Crystallizer System - Whiting Fermont.

Final lot of pumps in Canada and U.K. have been
inspected and are due for shipping early
December, 1980. Vessels 040 and 050 are being
rubber lined and we hope to have them complete
and on board ship before the end of December,
1980. Whiting Fermont have visited the jobsite
in Jordan and made arrangements with Voest
Alpine and JIL for their repair crew to proceed
to Jordan for repairs to rubber lining on
vessels 010, 020 and 030.

P0-08-1875-18-1 : 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.
Latest contact with Marley confirms funds
have not been transferred.

08-1875-21-2
and

Centrifuges - Bird Machine Co.

08-1875-21-4

This purchase order is complete. 100% payment
has been made.

08-1875-22-1

Belt Filters - Eimco.

This purchase order is now complete. 100%
payment has been made.

08-1875-23-2

Product Hydrocyclones - Dorr Oliver.

Delivery of this equipment was delayed on the
advise 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.

08-1875-23-3

Tails Hydrocyclones - Krebs

Fabrication is 80% complete and shipping has
been scheduled for early January, 1981.

5.0 Procurement - JIL - Continued

- 08-1875-25-1 Product Dryer - Allis Chalmers
This purchase order is complete. 90% payment has been made.
- 08-1875-291-1 Wet Mechanical Handling - Precismeca SA
This purchase order is complete. 90% payment has been made.
- 08-1875-29-2 Screening & Compaction - Fried Krupp
Six shipments have been made todate, including structural steel and Westinghouse motors.
- 08-1875-34-1 Truck Scales - Pfister
This purchase order is complete. 90% payment has been made.
- 08-1875-39-1 Prorotype Harvester - Rahco.
Harvester delivered to Aqaba on 7th November, 1980 and being assembled for testing.
- 08-1875-39-3 Pipeline pontoons - G.P.E. Teo
This purchase order is complete. 100% payment has been made.
- 08-1875-40-6 Condensate Pump Set - Worthington Simpson
This purchase order is complete. 100% payment has been made.
- 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 arrived Aqaba on 7th November, 1980.
- 08-1875-64-15 Process Instruments - Foxboro-Yoxall
First shipment arrived Aqaba on 2nd November 1980. Second shipment scheduled for January, 1981.
- 08-1875-64-44 Telemetering - Telectron
Scheduled shipping date is 1st May, 1981. Required delivery at Aqaba is 1st June 1981 for complete equipment.

5.0 Procurement - JIL - Continued

08-1875-64-45

Control Valves - Fisher Controls

First shipment is re-scheduled and the first shipment is now expected to be Mid-December, 1980.

08-1875-64-4

Electrical Switchgear & MCC's - Westinghouse

MCC's and Transformers have been tested. Transformer for testing of the Harvester is to be shipped separately in December. The questions of tagging and identification of equipment has not yet been resolved.

ATTACHMENT NO. 2.6

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				

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

PURCHASE ORDER STATUS REPORT

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%	
08-1875-01-4	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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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%	
08-1875-01-5	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

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

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%	
08-1875-05-1	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

ATTACHMENT NO. 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%	
08-1875-18-1	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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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				
Amendment 4	Bird Machine Co.	Signed in Dublin office 11.01.'80	** mailed 16.1.'80	4.02.1980	8.02.1980				By Courier By Courier
08-1875-22-1	Eimco Process Mach. Division.	3.5.1979	9.5.1979	18.6.'79	1.8.'79				
Amendment 3	Eimco 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				

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%	
08-1875-25-1	Allis-Chalmers	15.6.1979	20.6.1979	3.10.1979	5.10.'79				Hand Carried to A.P.C. by M.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				Hand carried to A.P.C.
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				

ATTACHMENT NO. 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%	
08-0875-29-2 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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ATTACHMENT NO. 8.6

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						PERFORMANCE GUARANTEE FOR 10%	BANK GUARANTEE FOR 15%	LANK 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 (MMF)	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				

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	28.01.1980				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.,		* 23.11.1980 **25.11.1980 Hand Carried						

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%	
08-1875-64-45	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						
08-1875-65-4	Westinghouse Electric	By Courier 13.11.1979	4.12.1979 Courier 5.12.1979	10.1.1980	11.1.1980				
08-1875-65-4 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	25.11.1980 Courier							

ATTACHMENT NO. 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%	
08-1875-39-4	Rahco Disc. Inc.				LS				

Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA				Remarks and Effect on Phase Deadlines
			Purchase Order	Delivery Date	Place	Current Position	
(a)	Brine Intake Jetty and Pump Station	Phase 1 (by 1.5.80) - Complete					
		Phase 2A (by 15.2.81)					
		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	fob	On Site	
		Nuts & Bolts	APJ/X/0128/AC	25.7.90	Wimpey	On Site	
		Nuts & Bolts	APJ/X/0148/A/BC	27.10.80	fob	On Site	
		Nuts & Bolts	APJ/X/0154/AC	10.11.80	fob	On Site	
		Steelwork	APJ/X/0047/A	Mar./Apr. 80	fob	Shipped	
		Steelwork	APJ/X/0048/AC	Feb./Apr. 80	fob	On Site	
		Tubular Piles	APJ/X/B/AC	Sep. to Nov. 79	fob	Shipped	
		Tubular Piles	APJ/X/0118/AC	July/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	
		Paint	APJ/X/0153/AC	3.11.80	fob	On Site	
		Hardener	APJ/X/0131/AC	16.8.80	fob	Shipped	
		Cladding	APJ/X/C103/AC	4.7.80	fob	On Site	
		Aluminium Trim	APJ/X/0155/AC	2.11.80	fob	On Site	
		Pumps COOL + Parts	850/265-4-G1	15.2.80 + 21.9.80	fob	Complete ex-Works	
		Gaskets	850/265-4-P93	29.8.80	fob	On Site	
		Valve	850/265-4-P95	8.8.80	fob	On Site	
		Nipples	850/265-4-P99	1.9.80	Ex-Works	On Site	
		Pump Spares	850/265-4-G4	End Aug. 80	Ex-Works	On Site	
		Level Control	850/265-4-J1	22.12.79	fob	Part shipped	Part a/v Shipping
		Alarms	850/265-4-J2	19.10.79	Wimpey	On Site	
		Alarms	850/265-4-J502	End Aug. 80	R'Shaw	On Site	
		Indicator	850/265-4-J4	19.10.79 + 25.6.80	Ex-Works	On Site	
		Power Unit	850/265-4-J5	24.9.79	R'Shaw/D+S	On Site	
		+ Spare Parts	850/265-4-J505	25.6.80	Wimpey	On Site	
		Pressure Gauges	850/265-4-J6	9.7.79 + 16.4.80	Wimpey	On Site	
		Pressure Gauges	850/265-4-J506	19.7.80	Wimpey	On Site	
		Control Panel + Spares	850/265-4-J7	Dec. 79/Apr. 80	Wimpey	On Site	
		Valves	850/265-4-J507	30.9.80	fob	Shipped	
		Valves	850/265-4-P1	15.2.80	Wimpey	Shipped	
		Orifice Plates	850/265-4-P67	15.2.80	fob	On Site	
		Nuts & Bolts	850/265-4-P56	15.5.80	fob	On Site	
		Nuts & Bolts	850/265-4-P120	24.3.80	Wimpey	On Site	
		Pipe & Connectors	850/265-4-P57	8.11.80	Wimpey	On Site	
		Tees & Elbows	850/265-4-P58	28.3.80	Ex-Works	Shipped	
		Needle Valves	850/265-4-P59	14.3.80	Wimpey	On Site	
		Needle Valves	850/265-4-P106	14.3.80	Wimpey	On Site	
		Valve Guards	850/265-4-P60	Sep./Oct. 80	Wimpey	Shipped	
Ring Ferrules	850/265-4-P84	27.5.80	fob	On Site			
Pipe Supports	850/265-4-P104	31.5.80	Wimpey	On Site			
Cable	850/265-4-L2	3.10.80	fob	A/v shipping			
		3.10.80	Wimpey	To be airfreighted	Status not known		

Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA				Remarks and Effect on Phase Deadlines
			Purchase Order	Delivery Date	Place	Current Position	
(a) cont.	Permanent Pipeline to Brine Canal 300mm f/w Flushing Pipe from Tank	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/0026/AC	5.7.80	fob	On Site	
		Couplings	APJ/X/0156/AC	6.11.80	fob	Shipped	
		Couplings	APJ/X/0157/AC	70.11.80	fob	Shipped	
		Flange Gaskets	APJ/X/0028/AC	29.5.80	fob	On Site	
		Packing Shims	APJ/X/0122/AC	Nov. 80	fob	Shipped	
		Manway Doors	APJ/X/119/AC	7.7.80	fob	On Site	
		Manway Doors + Parts	B50/265-B-4-P8	Nov. 79 + 21.4.80	S'fab	On Site	
		Spools	B50/265-B-4-P4	Nov. 75	fob	On Site	
		Air Valves	B50/265-B-4-P	Mar. 80 + 29.8.80	fob	On Site	
		Gaskets	B50/265-4-P12	10.3.80	Winpey	On Site	
		Fittings	B50/265-4-P01	19.5.80	Ex-Works	On Site	
		Pipe Supports	B50/265-4-P76	2.6.80	fob	On Site	
		Pipe Supports	B50/265-4-P102	26.9.80	fob	On Site	
		Steel Pipe	B50/265-4-P15	31.7.79	Winpey	On Site	
		Spools	B50/265-4-P50	30.4.80 + 4.6.80	fob	On Site	
		Strainers	B50/265-4-P17	13.8.79 + 4.4.80	Winpey	On Site	
		Strainers	B50/265-4-P123	26.11.80	Winpey	A/w airfreight	
		Valves	B50/265-4-P2	1.12.79 + 26.5.80	fob	On Site	
		Valves	B50/265-4-P19	20.9.79	Winpey	On Site	
		Valves	B50/265-4-P22	15.11.79	Winpey	On Site	
		Valves	B50/265-4-P29	30.11.79	Winpey	On Site	
		Valves	B50/265-4-P21	24.7.80	Ex-Works	On Site	
		Glend Packing	B50/265-4-P45	25.6.80	Ex-Works	On Site	
		Gaskets	B50/265-4-P65	30.5.80	fob	On Site	
		Gaskets	B50/265-4-P93	29.8.80	Ex-Works	On Site	
		Nuts & Bolts	B50/265-4-P83	6.6.80	fob	On Site	
		Nuts & Bolts	B50/265-4-P92	28.8.80	fob	On Site	
		Flexible Hose	B50/265-4-P86	25.8.80	Ex-Works	On Site	
		Flanges	B50/265-4-P99	1.9.80	Ex-Works	On Site	
		(b)	Canal Outfall Road Bridge	Timber Decking	APJ/X/0046/AC	Jan. to Apr. 80	fob
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	Shipped	
(c)	Freshwater Supply - Safi to Process Plant	Runway Beams	APJ/X/1123/AC	Sep. 80	fob	Shipped	
		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	3 No. shipped	4 No. ship Dec. 80
		Spares for Pumps	846/112/37341	4.7.80	fob	Part shipped	
		Pump Motors	B50/265-4-L1		fob	3 No. shipped	4 No. ship Dec. 80
		Instrumentation	846/112/37580	End July 80	fob	On Site	
		Sheeting	848/016/27290	June 80	fob	On Site	
		Cable Strapping	B50/265-4-J20	N/A	fob	On Site	
		Pumps Coll	B50/265-4-G1	15.2.80	fob	On Site	
		Pump Spares	B50/265-4-G4	End Aug. 80	fob	Shipped	
		Pump Baseplates	B50/265-4-G005	1.10.80	fob	Shipped	
		Pipe & Components	B50/265-4-P77	1.5.80	fob	On Site	
		Pipe & Fittings	B50/265-4-P107	19.9.80	Ex-Works	Shipped	
		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	

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Spec. No.	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	Pipe Facings	APJ/X/0087/AC	Mid Mar. 80	fob	On Site	Replacement item	
		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 Step Irons	APJ/X/0110/AC	2.9.80	fob	On Site		
		Manhole Covers	APJ/X/0049/AC	14.1.80	fob	On Site		
		Manhole Covers	APJ/X/0109/AC	2.9.80	fob	On Site		
		Tee Key Boxes	APJ/X/0092/AC	10.6.80	fob	Shipped		
		Walkway	APJ/X/0114/AC	21.7.80	fob	Shipped		
		Pipe Fittings	APJ/X/0125/AC	Aug./Sep. 80	fob	Shipped		
		Pipe Fittings	APJ/X/0162/A	21.11.80	fob	Shipped		
		Pipe Fittings	APJ/X/0162/BC	25.11.80	fob	Shipped		
		Pipe Fittings	APJ/X/0164/AC	24.11.80	fob	Shipped		
		Steel Tube	APJ/X/0152/AC	20.10.80	fob	On Site		
		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 + 25.6.80	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	10.7.80	Wimpey	On Site		
		Instrumentation + Mounting Bins +	850/265-4-J8	Nov. 79/Jan./May	Wimpey	On Site		
		Dall Tube	850/265-4-J29	80 + 22.8.80	D + S	On Site		
		Spare Parts	850/265-4-J508	21.3.81	fob	On Schedule		
				18.8.80	Wimpey	On Site		
			Annunciator	850/265-4-J9	18.10.79	D + S		On Site
			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 + Spares	850/265-4-J17	4.10.80 + 17.10.80	fob		Shipped
			Instrumentation	850/265-4-J19	17.10.80	fob		Packing in progress
			Instrumentation	850/265-4-J23	22.5.80	Wimpey		On Site
			GRP Enclosure	850/265-4-J24	29.8.80	fob		Shipped
			Cubicle Heater	850/265-4-J25	17.10.80	fob		Shipped
			Thermostat Unit	850/265-4-J26	7.11.80	Wimpey		Shipped
			Lamp Units	850/265-4-J27	7.11.80	Wimpey		Shipped
			Valves	850/265-4-P2	16.11.80	Wimpey		On Schedule
			Valves	850/265-4-P3	15.9.79 + 19.5.80	fob		On Site
			Valves	850/265-4-P7	30.8.79	fob		On Site
			Valves	850/265-4-P9	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	7.7.80 + 20.6.80	fob		On Site
			Valves	850/265-4-P85	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		Shipped
	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	2.7.80	Ex-Works	On Site			
(d)	Township Electrical Transmission Line	Isolators + Parts	Y1463	June/Aug./Sep. 80	fob	On Site		
(e)	Safi Electrical Transmission Line)	Transformers	Y1552	12.10.79	fob	On Site		
		Surge Divertors	Y1554	4.1.80	fob	On Site		
		Distr. Boards	Y1632	End Feb. 80 +	fob	On Site		
				30.9.80 + 31.10.80	fob	Shipped		

Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA			Remarks and Effect on Phase Deadlines
			Purchase Order	Delivery Date	Place	
(d) and (e) cont	Transmission Lines	Cabl.	Y1645			On Site
		Conductor	Y1674			On Site
		Capacitor	Y1607	Mar./July/Aug. 80	FOB	On Site
		Angles	Y1801	End Jan. 80	FOB	On Site
		Busbars	Y1821	End Feb. 80	FOB	On Site
		Transformers	Y1840	March 80	FOB	On Site
		Conc. Stay Blocks	Y1896	3.5.80	FOB	On Site
		Stay Rods	Y2022			On Site
		Panel + Spares	Y2122			On Site
		Transformers	Y2173	June + Sep. 80	FOB	On Site
		Plugs/sockets	Y2174	18.4.80 + 30.9.80	FOB	On Site
		Distr. Boards	Y2177	4.1.80	FOB	On Site
		Wood Poles	Y2183	1.6.80 + 21.11.80	FOB	On Site
		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	March 80	FOB	On Site
		Term. Poles etc.	Y2573	10.5.90	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
		Steelwork	Y2582	6.6.80	FOB	On Site
		Line Splices etc.	Y2588	6.6.80	FOB	On Site
		Sockets	Y2599	End March 80	FOB	On Site
		Straps	Y2603	27.6.80	FOB	On Site
		Tape/Wire	Y2604	24.3.80	FOB	On Site
		Surge Divertors	Y2607	24.3.80	FOB	On Site
		Transformers	Y2616	June 80	FOB	On Site
		Brackets etc.	Y2634	25.7.80	FOB	On Site
		Cable Trays/Covers	Y2635	March 80	FOB	On Site
		Brackets etc.	Y2636	April 80	FOB	On Site
		Screws/Washers	Y2627	April 80	FOB	On Site
		Cable	Y2628	April 80	FOB	On Site
		Fuse Links	Y2629	End Aug. 80	FOB	On Site
		Lamp Bulbs	Y2630	April 80	FOB	On Site
		Fuse Links	Y2631	April 80	FOB	On Site
		Cable	Y2632	April 80	FOB	On Site
		Comp. Glands	Y2650	April 80	FOB	On Site
		Transformers	Y2654	April 80	FOB	On Site
		Cable	Y2665	5.9.80	FOB	On Site
		Transformers	Y2670	April 80	FOB	On Site
		Stay Rods	Y2672	29.8.80	FOB	On Site
		Steelwork	Y2674	May/June 80	FOB	On Site
		Cable Ties	Y2675	22.6.80	FOB	On Site
Comp. Lugs	Y2676	April 80	FOB	On Site		
Labels	Y2677	April 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		
		May 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 (c) cont	Transmission Lines	Genklero	Y2783	June 80	HSPE	On Site	
		Screws & Nuts	Y2784	June 80	HSPE	On Site	
		Comp. Lugs	Y2808	June 80	HSPE	On Site	
		Earth Cable	Y2809	June 80	HSPE	On Site	
		Cable	Y2810	4.7.80	fob	On Site	
		Breather & Gaskets	Y2816	June 80	fob	On Site	
		Terminals & Switch	Y2818	June 80	fob	On Site	
		Studs	Y2819	June 80	fob	On Site	
		Steelwork	Y2873	July 80	fob	On Site	
		Steelwork	Y2874	July 80	fob	On Site	
		Cable Ties	Y2876	16.6.80	fob	On Site	
		Steelwork	Y2877	July 80	fob	On Site	
		Stay Rods/Glands	Y2878	July 80	fob	On Site	
		Steelwork	Y2879	July 80	fob	On Site	
		Stirrups	Y2891	July 80	fob	On Site	
		Tape/Wire	Y2892	July 80	fob	On Site	
		Cable	Y2896	July 80	fob	On Site	
		Term. Kits	Y2992	July 80	fob	On Site	
		Cable	Y2993	July 80	fob	On Site	
		Cable	Y2994	July 80	fob	On Site	
		Cable	Y2995	July 80	fob	On Site	
		Cable	Y2996	July 80	fob	On Site	
		Bandits	Y2997	July 80	fob	On Site	
		Tension Joints	Y3001	July 80	fob	On Site	
		Labels	Y3010	8.8.80	fob	On Site	
		Cable	Y3011	8.8.80	fob	On Site	
		Glands etc.	Y3012	25.7.80	fob	Shipped	
		Lifting Truck	Y3015	29.8.80	Wimpey	Delivered to Wimpey	
		Connectors	Y3042		fob	On Site	
		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	July/Aug. 80	fob	On Site	
		Cable Lugs	Y3078	14.8.80 + 24.10.80	fob	Shipped	
		Glands	Y3079	8.8.80	fob	On Site	
		Brackets	Y3080	Aug. 80	fob	On Site	
		Rectifier Stack	Y3087	Aug. 80	fob	Shipped	
		Fuses	Y3088	31.8.80	fob	On Site	
		Fuses	Y3089	30.9.80	fob	On Site	
		Fuse Links	Y3092	Oct. 80	fob	7 weeks delay	Not critical
		Term. Boxes	Y3132	29.8.80	fob	On Site	
		P.B. Stations	Y3133	29.8.80	fob	On Site	
		Connectors	Y3135	29.8.80	fob	On Site	
		Push Buttons	Y3137	Aug. 80	fob	On Site	
		Steelwork	Y3143	Sep. 80	fob	On Site	
		Conductor	Y3144	Aug. 80	fob	On Site	
Comp. Glands	Y3145	19.8.80	fob	Shipped			
Barbed Wire	Y3190	Aug. 80	fob	On Site			
Comp. Lugs	Y3196	Aug./Oct. 80	fob	On Site			
Clamps	Y3197	Sep. 80	fob	On Site			
Conductor	Y3199	Aug. 80	fob	On Site			
Back Nuts	Y3200	Sep. 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	Nuts/Screws etc.	Y3207	Sep. 80	fob	On Site	
		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	On Site	
		Steelwork	Y3242	Oct. 80	fob	On Site	
		Distr. Board	Y3246	Sep. 80	fob	On Site	
		Studs, Washers etc.	Y3247	Sep. 80	fob	On Site	
		Cable Tray	Y3248	Sep. 80	fob	On Site	
		Fuses	Y3249	Sep. 80	fob	On Site	
		Cable Joints	Y3250	Sep. 80	fob	On Site	
		Conductor	Y3251	Sep. 80	fob	On Site	
		Cable Repair Kit	Y3252	Sep. 80	fob	On Site	
		Luminaires	Y3258	Oct. 80	fob	Shipped	
		Conductor	Y3291	Oct. 80	fob	On Site	
		Clips, Seals etc.	Y3293	Sep. 80	fob	Shipped	
		Switches etc.	Y3294	Oct. 80	fob	On Site	
		Rawnuts	Y3296	Sep. 80	fob	On Site	
		Channel/Brackets	Y3297	Oct. 80	fob	On Site	
		Cleats	Y3298	Oct. 80	fob	On Site	
		Anchors	Y3299	Sep. 80	fob	On Site	
		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	Shipped	
		Studs	Y3335	12.12.80	fob	On Schedule	
		Plates, Screws	Y3339	Oct. 80	fob	Shipped	
		Lamp Bulbs	Y3340	Nov. 80	fob	Shipped	
		Fuses	Y3341	Feb. 81	fob	On Schedule	
		Fuses	Y3342	Nov. 80	fob	A/w airfreight	
		Relays	Y3344	Jan. 81	fob	On Schedule	
		Control Board	Y3346	Oct. 80	fob	On Site	
		Cable	Y3386	Oct. 80	fob	On Site	
		Insulators	Y3387	Oct. 80	fob	On Site	
		Earthing Cable	Y3388	Nov. 80	fob	On Site	
		Screws, Nuts	Y3401	Oct. 80	fob	Shipped	
		Cable Strapping	Y3402	Oct. 80	fob	Shipped	
		Dead-ends, Lugs	Y3416	Oct. 80	fob	Shipped	
		Surge Divertors	Y3453	19.12.80	fob	On Schedule	
		Brackets	Y3455	1.12.80	fob	A/w painting	
		Glands/Shrouds	Y3471	5.12.80	fob	A/w airfreight	
		Joints	Y3545		fob	A/w airfreight	

Spec. Sec. 1.7	Description	Items	PURCHASE ORDER DATA			Remarks and Effect on Phase Deadline
			Purchase Order	Delivery Date	Place	
(a) cont.	Brine Transfer Station	Strainers	850/265-4-P17	4-4-80	Winpey	On Site
		Steel Fittings	850/265-4-P123	26.11.80	Winpey	A/v airfreight
		Steel Fittings	850/265-4-P24	14.12.79	Winpey	On Site
		Steel Fittings	850/265-4-P25	21.1.80	Winpey	On Site
		Steel Pipe	850/265-4-P108	15.9.80 + 30.10.80	Winpey	Shipped
		Comp. Fittings	850/265-4-P41	29.11.79	Winpey	On Site
		Comp. Fittings	850/265-4-P41	11.1.80	Winpey	On Site
		Comp. Fittings	850/265-4-P103	End Sep. 80	Winpey	Shipped
		C/Steel Shims	850/265-4-P116	3.10.80	Winpey	On Site
		Comp. Fittings	850/265-4-P78	26.5.80	fob	On Site
(b)	Carnallite Pan Outlet Pipe	Compings	850/265-4-P90	July/Oct./Nov. 80	Ex-works	On Site
		Ring Ferrules	850/265-4-P98	19.9.80	Winpey	Shipped
		Nuts & Bolts	850/265-4-P120	6.11.80	Ex-works	Shipped
		Valves	850/265-4-P48	24.4.80	fob	On Site
		Valves	850/265-4-P49	14.5.80 + 5.6.80	Winpey	On Site
		Pipes & Fittings	APJ/X/6/AC	Mid Apr. 80	On Site	On Site
		Compings	APJ/X/0078/AC	1-4-80	fob	On Site
		Compings	APJ/X/0077/AC	5-7-80	fob	On Site
		Flange Gaskets	APJ/X/0157/AC	20.11.80	fob	Shipped
		Connections	APJ/X/0098/AC	29.5.80	fob	On Site
(c)	Temporary Brine Supply Pipeline to Outfall	Pipe Supports	APJ/X/127/AC	1.8.80	fob	On Site
		Spools	APJ/X/0139/AC	30.9.80	fob	Complete ex-works
		Washers	APJ/X/0146/AC	8.10.80	fob	Part shipped
		Manway Doors	850/265-B-6-P8	Mar. to July 80	fob	Complete ex-works
		Valves	850/265-4-P1	June/July/Apr. 80	S'fab	On Site
		Air Valves	850/265-4-P6	25.2.80	fob	On Site
		Valve	850/265-4-P39	End Mar. + 29.8.80	fob	On Site
		Valve	850/265-4-P48	6.3.80	fob	On Site
		Valve	850/265-4-P49	6.3.80	fob	On Site
		(d)	Dike Electrical Transmission Line Phase 3 (by 31.3.82)	Tubular Piles	APJ/X/0050/AC	Feb. to Apr. 80
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
Pipes & Fittings	APJ/X/6/AC			Mid Apr. 80	Site	On Site
Compings	APJ/X/0177/AC			20.11.80	fob	Shipped
Pipe Support	850/265-4-P76			2.6.80	fob	On Site
Pumps COO7 +	850/265-4-G1			15.2.80 +	fob	On Site
Mounting Plates	850/265-4-G1			12.11.80	fob	On Site
C3 Feed	C3 Feed	Tees & Elbows	850/265-4-P58	14.3.80	Winpey	On Site
		Fittings	850/265-4-P88	21.8.80	Ex-works	On Site
		Needle Valves	850/265-4-P59	14.3.80	Winpey	On Site
		Valve Guards	850/265-4-P60	27.5.80	fob	On Site
		Mobile Pump CO12	850/265-4-G1	15.2.80 + 5.9.80	fob	On Site
		Pump CO12 Spares	850/265-4-G4	15.2.80	fob	On Site
		Amplifier	850/265-4-J2	19.10.79	R'Shaw	On Site
		Pressure Gauge	850/265-4-J6	7-9.79 + 16.4.80	Winpey	On Site
		Control Panel +	850/265-4-J7	22.11.79	fob	On Site
		Spares	850/265-4-J507	30.9.80	Winpey	Shipped
(e)	Dike Electrical Transmission Line Phase 3 (by 31.3.82)	Valves	850/265-4-P1	15.2.80	fob	On Site
		Strainers	850/265-4-P17	4.4.80	Winpey	On Site
		Strainers	850/265-4-P123	26.11.80	Winpey	A/v airfreight

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