

CAPITAL COST COMPARISON BETWEEN BIOMASS AND FOSSIL FUEL FIRED THERMAL OIL BOILERS

Constants


Forex

USD to RM 3.8000 before de-peg
as at

German Mark (DEM) to RM 1.8479 07.07.2000

Inflation rate 4.00%

BIOMASS THERMAL OIL BOILERS


| <u>Contract price of thermal oil heaters</u> | <u>USD</u> | <u>RM</u> | <u>Reference</u> |
|---|--------------|--------------|--|
| Boilers 1 and 2  | 1,818,000.00 | 6,908,400.00 | Contract signed between Hartalega and Vyncke dated |
| Boiler 3 | 1,075,000.00 | 4,085,000.00 | Contract signed between Hartalega and Vyncke dated |
| <u>Auxiliary equipment</u> | | | |
| Valves, pumps and expansion bellows | 61,905.00 | 235,239.00 | Purchase order 021963 |
| Valves | 68,000.00 | 125,657.20 | Purchase order 021582 |
| Expansion bellows | | 13,660.00 | Purchase order 023145 |
| Biomass fuel handler (front wheel loader), brand: Manitou | | 277,000.00 | Purchase order 023683 |
| <u>Thermal oil piping (not included in Vyncke's scope)</u> | | | |
| Insulation | | 119,565.52 | Purchase order 022213 |
| Aluminum jacket for pipe insulation | | 3,222.40 | Purchase order 023622 |

| | | |
|--|------------|--|
| Supply and install thermal oil piping supports | 68,000.00 | Invoice number 0310/02 |
| Supply and install thermal oil pipes | 325,000.00 | Invoice number 0324/02 |
| Thermal oil piping at secondary pumps | 214,600.00 | Invoice number 0323/02 |
| <u>Electrical works (not included in Vyncke's scope)</u> | | |
| Control panel for secondary pumps | 38,000.00 | Purchase order 023144 |
| <u>Building Works</u> | | |
| Earth work | 206,000.00 | Claim reference TL/223/01/003 |
| Boiler house and biomass storage buildings: | | |
| <i>claim 1</i> | 361,712.93 | Claim reference JH/HSB/TLS/0215/PC/01 |
| <i>claim 2</i> | 535,277.27 | Claim reference JH/HSB/TLS/0215/PC/02 |
| <i>claim 3</i> | 661,580.99 | Claim reference JH/HSB/TLS/0215/PC/03 |
| <i>claim 4</i> | 508,185.33 | Claim reference JH/HSB/TLS/0215/PC/04 |
| <i>claim 5</i> | 173,462.25 | Claim reference JH/HSB/TLS/0215/PC/05 |
| Fire fighting system | | |
| <i>claim 1</i> | 32,543.69 | Claim reference JH/HSB/UEFSB/0215/PC/01-FF |
| <i>claim 2</i> | 92,591.06 | Claim reference JH/HSB/UFESB/0215/PC/02-FF |
| <i>claim 3</i> | | |
| Electrical works - main incoming, building lightings, etc. | | |
| <i>claim 1</i> | | Claim reference JH/HSB/TP/0215/PC/01-ET |

| | | |
|--|---------------|---|
| | 390,627.65 | |
| <i>claim 2</i> | 84,972.75 | Claim reference JH/HSB/TP/0215/PC/02-ET |
| Consultant's fees for M&E | 22,464.00 | Invoice number 0015 |
| Consultant's fees for civil and structural | 81,386.75 | Invoice number 0019 |
| | <hr/> | |
| TOTAL | 15,564,148.79 | |

| FOSSIL FUEL FIRED BOILERS | | | |
|---|------------|---------------------|-------------------------------|
| 1) Using price of purchase of old fossil fuel fired thermal oil boiler as reference | | | |
| | <u>DEM</u> | <u>RM</u> | |
| Price of purchase of an old 4 Gcal/hr thermal oil boiler complete with control panel, burner and pump | 185,000.00 | 341,861.50 | Commercial invoice no. K00341 |
| Estimated installation cost per unit | | <u>10,000.00</u> | Estimation |
| Total procurement and installation cost | | 351,861.50 | |
| Total price for 5 units (require 5 units to generate 20MW thermal oil energy as stated in PDD) | 925,000.00 | <u>1,759,307.50</u> | |
| Price taking into account inflation rate of 4% | | 1,978,981.67 | |

2) Using budgetary quotation from MecMar (boiler manufacturer) as reference

| | <u>RM</u> | <u>Reference</u> |
|--|--------------|---|
| Thermal oil boiler model MTH 12 Mbtu/hr c/w burner for natural gas firing  | 455,000.00 | Reference - quotation from MechMar HL/5701/09/07/SMK |
| Price for 6 units (require 6 units to generate 20MW thermal oil energy as stated in PDD) | 2,730,000.00 | |
| Cost of natural gas fired hot water boiler of capacity of 5.8MW | 446,500.00 | Contract with MechMar C577/BP/04 |
| | <hr/> | |
| Total capital cost for fossil fired equipment | 3,176,500.00 | |

**Capital cost ratio for investment in
biomass boilers compare to fossil fuel
boiler (using budgetary quotation from
MechMar)**

4.9

References



Hartalega
s d n b h d

9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur, Malaysia.

Telephone
603-6274 2177 / 03-6274 2534

Fax
603-6275 2484 / 03-6275 2484

INTEC THERMAL PROCESS SDN BHD
20M, JALAN SS 21/35,
DAMANSARA UTAMA,
47400 PETALING JAYA
SELANGOR DARUL EHSAN
ATTN: MR.H.K.TEO/MR.MUENKER (TEL) 03 22878857 (FAX) 03 22878858

PURCHASE ORDER

P.O. NO: 021963 ✓
DATE: 06/07/2002
ORDER RAISED BY: MR M L KUAN
TERMS: LC AT SIGHT
DEPT: 35

Page 1 of 2

SPECIAL INSTRUCTION:

| ITEMS | QUANTITY | DESCRIPTION AND SPECIFICATION | UNIT PRICE (USD) | AMOUNT (USD) |
|-------|----------|---|---------------------|-----------------|
| 1. | 2 UNIT | CODE: T1 1) ARI SHUT-OFF VALVES DN 300 WITH WELDING END | 3,425.00 | 6,850.00 |
| 2. | 1 UNIT | CODE: T1 2) ARI STRAINER DN 300 | 2,960.00 | 2,960.00 |
| 3. | 1 UNIT | CODE: T1 3) CHECK VALVES, DN 300 | 2,920.00 | 2,920.00 |
| 4. | 3 UNIT | CODE: T1 4) KSB PUMP SY-A 80-250/1 | 3,180.00 | 9,540.00 |
| 5. | 2 UNIT | CODE: T1 5) KSB PUMP SY-A 150-400/1 | 7,780.00 | 15,560.00 |
| 6. | 7 UNIT | CODE: T1 6) SENIOR BERGHOFER EXPANSION BELLOWS DN 300, Length 1435mm | 3,015.00 | 21,105.00 |
| | 3 UNIT | CODE: T1 7) SENIOR BERGHOFER EXPANSION BELLOWS DN 300, Length 460mm * REFER TO QUOTATION INTEC THERMAL PROCESS REF: VYNCKE PLANT DATED ON 3/07/2002 | 1,490.00 | 4,470.00 |
| | | ADD: CIF PORT KLANG, CONTAINER LOADED | | 1,500.00 |

PAIN
09 OCT 2002
LC-MCA USD 61,905

N.B.: Please quote this P.O. No. in your Delivery Order and Invoice.

TOTAL AMOUNT: 51,775.00

ISSUED BY

APPROVED BY Q.A. MANAGER
FACTORY

HARTELEGA SDN BHD

7, Kawasan Perusahaan Suria, 45600 Batang Berjuntai, Selangor Darul Ehsan.
Tel: 03-3271 0277 / 03-3271 0178 Fax: 03-3271 0135

Eberhard-Layher-Strasse 7
D-74889 Sinsheim
Telefon 0 72 61 - 978 100

Geschäftsführer
Dipl.-Wirt.-Ing. Michael Lentz
Thiel-Ind (FH) Stefan Münker

Volksbank Neckartal eG
(BLZ 672 917 00)
Konto-Nr. 11 3276 05

Registergericht
Heidelberg
HRB 1437 SH

424



Hartalega
s.d.n. b.h.d.

9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur, Malaysia.

Telephone
603-6274 2177 / 03-6274 2534

Fax: 603-6275 2484 / 03-6275 2033
INTEC THERMAL PROCESS SDN BHD
20M, JALAN SS 21/35,
DAMANSARA UTAMA,
47400 PETALING JAYA
SELANGOR DARUL EHSAN
ATTN: MR. H.K. TEO / MR. MUEKNER (TEL) 03 22878857 (FAX) 03 22878858

PURCHASE ORDER

P.O. NO: 021963

DATE: 06/07/2002

ORDER RAISED BY: MR M L KUAN

TERMS: LC AT SIGHT

DEPT: 35

Page 2 of 2

SPECIAL INSTRUCTION:

| ITEMS | QUANTITY | DESCRIPTION AND SPECIFICATION | UNIT PRICE (USD) | AMOUNT (USD) |
|--|----------|---|------------------|--------------|
| | | LESS: DISCOUNT | | 3,000.00 |
| | | Delivery Date (LATEST SHIP DATE) | | |
| | | 17/08/2002 | | |
| | | Commercial Invoice No. 233349 | | |
| | | PAID (09 OCT 2002) | | |
| | | LC-MCA USD 61,905.00 | | |
| | | DESCRIPTION | QUANTITY | |
| | 1 | ARI SHUT OFF VALVES DN 300 WITH WELTING EXH | 2 | |
| | 2 | ARI STRAINER DN 300 | 1 | |
| | 3 | CHECK VALVES DN 300 | 1 | |
| | 4 | KSB PUMP SY-A 150-400 | 3 | |
| | 5 | KSB PUMP SY-A 150-400 | 2 | |
| | 6 | EXPANSION BELLOWS DN 300 LENGTH 7400 MM | 7 | |
| | 7 | EXPANSION BELLOWS DN 300 | 3 | |
| N.B.: Please quote this P.O. No. in your Delivery Order and Invoice. | | | TOTAL AMOUNT: | 61,905.00 |

ISSUED BY

APPROVED BY Q.A. MANAGER
FACTORY

HARTALEGA SDN BHD

7, Kawasan Perusahaan Suria, 45600 Batang Berjuntai, Selangor Darul Ehsan.
Tel: 03-3271 0277 / 03-3271 0178 Fax: 03-3271 0135

Eberhard-Layher-Strasse 7
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Telefon: 0 79 61 - 978 100

Geschäftsführer
Dipl.-Wirt.-Ing. Michael Lentz
Dipl.-Ing. (FH) Stefan Munker

Volksbank Neckartal eG
(BLZ 672 917 00)
Konto-Nr. 11 3276 05

Registergericht
Heidelberg
HRB 1437 SH

... 324



Jalan Kuang Bulan,
a Kepong Industrial Estate,
8 Kuala Lumpur, Malaysia.

Telephone
603-6274 2177 / 03-6274 2534

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603-6275 3484

HAREALEGA THERMAL PROCESS SDN BHD
20M, JALAN SS 21/35,
DAMANSARA UTAMA,
47400 PETALING JAYA
SELANGOR DARUL EHSAN
ATTN: MR.H.K.TEO/MR.MUENKER (TEL) 03 22878857 (FAX) 03 22878858

PURCHASE ORDER

P.O. NO: 021582

DATE: 21/05/2002

ORDER RAISED BY: MR M L KUAN

TERMS: LC AT SIGHT

DEPT: 35

REVISED

Page 1 of 1

SPECIAL INSTRUCTION: PLS DELIVER TO BATANG BERJUNTAI FACTORY

| ITEMS | QUANTITY | DESCRIPTION AND SPECIFICATION | UNIT PRICE (USD) | AMOUNT (USD) |
|-------|----------|--|---------------------|-----------------|
| | 1 LOT | CODE: T1 * AS PER ATTACHMENT 1) ARI SHUT OFF VALVES DN 300 2) ARI STRAINERS DN 300 STRAINER 3) ARI CHECK VALVES, DN 300 4) ARI SHUT OFF VALVE DN 80 5) ARI SHUT OFF VALVES DN 150 6) ARI SHUT OFF VALVES DN 250 Delivery Date - 16/07/2002 WITHIN 8 WEEKS FROM THE DATE OF ISSUANCE OF PURCHASE ORDER. | 68,000.00 | 68,000.00 |

N.B.: Please quote this P.O. No. in your Delivery Order and Invoice.

TOTAL AMOUNT: 68,000.00

ISSUED BY

APPROVED BY Q.A. MANAGER

HAREALEGA SDN BHD

7, Kawasan Perusahaan Suria, 45600 Batang Berjuntai, Selangor Darul Ehsan.
Tel: 03-3271 0277 / 03-3271 0178 Fax: 03-3271 0135

Eberhard-Layfier-Strasse 7
D-74889 Sinsheim
Telefon 0 72 61 - 978 100
Telefax 0 72 61 - 978 102

Geschäftsführer
Dipl.-Wirt.-Ing. Michael Lentz
Dipl.-Ing. (FH) Stefan Münker

Volksbank Neckartal eG
(BLZ 672 917 00)
Konto-Nr. 11 3276 05
Swift Code:

Registriergericht
Heidelberg
HRB 1437 SH
Ust.Id.Nr.:



PURCHASE ORDER

P.O. NO: 023145
 DATE: 01/11/2002
 ORDER RAISED BY: MR M L KUAN
 TERMS: 30 DAYS
 DEPT: 35

PRAGMATIC ENGINEERING SDN.BHD.
 35, JALAN LAYANG-LAYANG 4
 PUCHONG JAYA INDUSTRIAL PARK
 BANDAR PUCHONG JAYA
 47100 PUCHONG, SELANGOR
 ATTN: MR. LIM CHIN ENG (TEL) 6034326683 (FAX) 6034328366

SPECIAL INSTRUCTION: PLS DELIVER TO BATANG BERJUNTAI FACTORY

| ITEMS | QUANTITY | DESCRIPTION AND SPECIFICATION | UNIT PRICE (RM) | AMOUNT (RM) |
|-------|----------|--|-----------------|-------------|
| 1. | 12 PCS | CODE: MILD STEEL MILD STEEL PN16 FLANGE | 55.00 | 660.00 |
| 2. | 6 UNIT | CODE: EXPANSION VALVE JORD BELLOW(AUSTRALIA) STAINLESS STEEL SINGLE AXIAL EXPANSION JOINT TYPE 300-TFF-2000 C/W MILD STEEL HARDWARE FLANGE PN16 INCLUDING INNER SLEEVE. DN300, PN16, DESIGNED TEMPERATURE 400° C LESS: DISCOUNT Delivery Date 06/11/2002 EXPANSION VALVE 06/11/2002 MILD STEEL | 2,300.00 | 13,800.00 |
| | | | | 300.00 |
| | | | | 300.00 |

PAID
 15 DEC 2002

N.B.: Please quote this P.O. No. in your Delivery Order and Invoice. TOTAL AMOUNT: 13,660.00

ISSUED BY: [Signature]
 APPROVED BY: O.A. MANAGER [Signature]
 FACTORY: [Signature]
 HARTALEGA SDN BHD



9, Jalan Kepong Utama,
 Kawasan Kepong Industrial Estate,
 52100 Kuala Lumpur, Malaysia.

Telephone
 603-6274 2177 / 03-6274 2534
 Fax
 603-6275 2484 / 03-6275 2534
UMW EQUIPMENT SDN. BHD.
 P.O. BOX 7052, 40915 SHAH ALAM,
 SELANGOR DARUL EHSAN, MALAYSIA.

PURCHASE ORDER

PO. NO: 023683
 DATE: 26/12/2002
 ORDER RAISED BY: MR. FRANK
 TERMS: C.O.D.
 DEPT: 35

ATTN: YECH YUEN CHEE (TEL) 03 55191911 (FAX) 03 55104288 Page 1 of 1

SPECIAL INSTRUCTION: PLS DELIVER TO BATANG BERJUNTAI FACTORY

| ITEMS | QUANTITY | DESCRIPTION AND SPECIFICATION | UNIT PRICE (RM) | AMOUNT (RM) |
|-------|----------|---|--------------------|----------------|
| 5 | 2 UNIT | CODE: SUPPLY NEW MANITOU MT732 MATERIAL HANDLER C/W 1.2M TINE LENGTH FLOATING FORK, 1.5M ³ GENERAL PURPOSE BUCKET AND AIR-COND | 195,000.00 | 390,000.00 |
| | | LESS: TRADE IN CASE 85XT UNI LOADER | | 113,000.00 |
| | | Delivery Date 30/12/2002 SUPPLY | | |
| | | 2 UNIT | | |

NOTE : ORIGINAL P/O REQUESTED BY SUPPLIER.

[Handwritten signature]

PAID
 (30 DEC 2002)

678889

N.B.: Please quote this P.O. No. in your Delivery Order and Invoice. TOTAL AMOUNT: 277,000.00

[Handwritten signature]
 ISSUED BY

[Handwritten signature]
 APPROVED BY Q.A. MANAGER
 FACTORY

[Handwritten signature]
 HARTALEGA SDN BHD



9, Jalan Kasang Dalam,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur, Malaysia.

Telephone
603-6274 2177 / 03-6274 2534

Fax
603-6275 2484 / 03-6275 0331

HARTALEGA MECHANICAL & INSULATION SDN BHD
60, JALAN ROHTAS
TAMAN SELATAN
8100 SKUDAI, SELANGOR

PURCHASE ORDER

P.O. NO: 022213
DATE: 02/08/2002
ORDER RAISED BY: MR. M. L. KUAI
TERMS: 30 DAYS
DEPT: 35

SPECIAL INSTRUCTION:

| ITEMS | QUANTITY | DESCRIPTION AND SPECIFICATION | UNIT PRICE | AMOUNT |
|-------|-----------|---|-----------------|---------------------|
| 1. | 590 M | CODE: HI-PIPE PT650 ROCKWOOL PIPE SECTIONAL DENSITY:140 KG/M3 1ST LAYER:324 DIA X 63 MM THICK 2ND LAYER:457 DIA X 63 MM THICK | (RM) 180.000 | (RM) 106,271.500 |
| 2. | 848 M2 | CODE: ALUMINIUM SIGN ALUMINIUM JACKET SIZE:0.5MM THICK X 4 FOOTED COIL | 15.200 | 12,883.520 |
| 3. | 4,000 PCS | CODE: HI-SCREW 2 SELF TAPPING SCREW SUS304 SIZE:8 X 12MM | 0.065 | 260.000 |
| 4. | 50 MTR | CODE: HI-WIRE GT TIE WIRE-016 | 3.000 | 150.000 |
| | | Delivery Date TO BE DISCUSSED | | |

N.B.: Please quote this P.O. No. in your Delivery Order and Invoice.

TOTAL AMOUNT: 119,865.520

ISSUED BY

APPROVED BY Q.A. MANAGER
FACTORY

HARALEGA SDN BHD

7, Kawasan Perusahaan Suria, 45600 Batang Berjuntai, Selangor Darul Ehsan.
Tel: 03-3271 0277 / 03-3271 0178 Fax: 03-3271 0135



9, Jalan Klang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur, Malaysia.

Telephone
603-6274 2177 / 03-6274 2534

Fax
603-6274 2484 / 03-6225 0331

HIGHTRI MECHANICAL & INSULATION SDN BHD
60, JALAN REKOR
TAMAN SELATAN
41100 KLANG, SELANGOR

ATTN: MR. LEE LAM SENG (TEL) 03 33714892 (FAX) 0333720790

Page 1 of 1

PURCHASE ORDER

P.O. NO: 023622
DATE: 21/12/2002
ORDER RAISED BY: MR. M. L. KUJAN
TERMS: 30 DAYS
DEPT: 35

SPECIAL INSTRUCTION: PLS DELIVER TO BATANG BERJUNTAI FACTORY

| QMS | QUANTITY | DESCRIPTION AND SPECIFICATION | UNIT PRICE | AMOUNT |
|-----|----------|---|---------------|------------------|
| | 212 M2 | CODE: ALUMINIUM JACKET ALUMINIUM JACKET 0.5MM THICK X 4 FT COIL | (RM) 15.20 | (RM) 3,222.40 |
| | | Delivery Date 27/12/2002 ALUMINIUM JACKET 212 M2 | | |

PAID
31 JAN 2003

N.B.: Please quote this P.O. No. in your Delivery Order and Invoice.

TOTAL AMOUNT: 3,222.40

ISSUED BY

APPROVED BY Q.A. MANAGER
FACTORY

HARTALEGA SDN BHD

7, Kawasan Perusahaan Suria, 45600 Batang Berjuntai, Selangor Darul Ehsan.
Tel: 03-3271 0277 / 03-3271 0178 Fax: 03-3271 0135



9, Jalan Klang Baru,
Taman Keyong Industrial Estate,
52100 Kuala Lumpur, Malaysia.

Telephone
603-6274 2177 / 03-6274 2534

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603-6275 2444 / 03-6275-0333

THERMAL TECHNIK ENGINEERING
NO. 14113, PAJAN MANEJON,
JALAN SUNGAI BESI
51100 KUALA LUMPUR

Mon: 25 2003 09:22:41, PA

PURCHASE ORDER

PO NO: 023144
DATE: 31/10/2002
ORDER RAISED BY: MR H. L. KUAN
TERMS: 30% down payment
60% upon delivery
DEPT: 10% 3 months after completion
35% commission

ATTN: MR JAMES LOH (TEL) 6014965542 (FAX) 0127854073

Page 1 of 1

SPECIAL INSTRUCTION:

| ITEMS | QUANTITY | DESCRIPTION AND SPECIFICATION | UNIT PRICE | AMOUNT |
|-------|----------|--|-------------------|-------------------|
| 1. | 1 LOT | CODE: INSTALLATION DESIGN, FABRICATION AND INSTALLATION OF THERMAL OIL SECONDARY PUMPS PANEL C/W DANFOSS SOFT STARTER MODEL: MDC 3090 X 2 UNITS MDC 3055 X 1 UNIT Delivery Date DELIVERY OF PANEL TO SITE: 7 day from P.O. Date INSTALLATION OF SOFT STARTER: 14 DAYS FROM P.O. DATE | (RM) 38,000.00 | (RM) 38,000.00 |

PAID
[01 NOV 2002]

PAID
[13 DEC 2002]

PAID
[26 MAY 2003]

N.B.: Please quote this P.O. No. in your Delivery Order and Invoice.

TOTAL AMOUNT: 38,000.00

ISSUED BY

APPROVED BY Q.A. MANAGER
FACTORY

HARTALEGA SDN BHD

AMBO ENGINEERING WORKS

No. 251, Jalan D/A 7 Kg Desa Aman,
Batu 11, Jalan Sungai Buluh,
47000 Selangor Darul Ehsan.
Tel : 03-61563870 Fax : 03-61568509

INVOICE

M/S : HARTALEGA SDN BHD
7 Kawasan Perusahaan Suria
45600 Batang Berjuntai
Selangor Darul Ehsan

Invoice No. : 0310/02
Invoice Date : 28.12.2002
Quotation No : Quo/Rew/Har/106/02
Our D/O No. : 0310/02
Term : Progressive Payment
Page : 2/2

| Item | Description | Quantity | U/Price(RM) | Amount(RM) |
|------|-------------|----------|-------------|------------|
|------|-------------|----------|-------------|------------|

Note: Progress payments have been received RM68,000.00

1st Progress Claim : Dated 26.11.2002
: RHB 650033
: **RM 50,000.00**
Official Receipt No. : 103/02

2nd Final Claim : Dated 19.12.2002
: RHB 698772
: **RM 18,000.00**
Official Receipt No. : 113/02

RM: Sixty Eight Thousand Only.

Item: Twenty Two Only.

Thank you.

- Interest will be charged at 1.5% per month on all amounts overdue;
- No claims whatsoever will be entertained unless made in writing to the seller;
- All cheques should be made payable to Rambo Engineering Works; and crossed 'Account Payee Only'

for Rambo Engineering Works.



RAMBO ENGINEERING WORKS

No. 251, Jalan D/A 7 Kg Desa Aman,
Batu 11, Jalan Sungai Buluh,
47000 Selangor Darul Ehsan.
Tel : 03-61563870 Fax : 03-61568509

INVOICE

M/S : HARTALEGA SDN BHD
7 Kawasan Perusahaan Suria
45600 Batang Berjuntai
Selangor Darul Ehsan

Invoice No. : 0310/02
Invoice Date : 28.12.2002
Quotation No : Quo/Rew/Har/106/02
Our D/O No. : 0310/02
Term : Progressive Payment
Page : 1/2

| Item | Description | Quantity | U/Price(RM) | Amount(RM) |
|--|--|----------|--------------|------------|
| Mild Steel Support and Mild Steel Bracket at 12" ϕ Main Thermo Oil Pipe System. | | | | |
| 1. | 6-1/2" x 12" x 30' M.S I-Beam | 2 | lgths 510.00 | 1,020.00 |
| 2. | 6-1/2" x 12" x 20' M.S I-Beam | 2 | lgths 350.00 | 700.00 |
| | 4" x 8" x 20' M.S I-Beam | 7 | lgths 215.00 | 1,505.00 |
| 4. | 12" x 12" x 20' M.S I-Beam | 4 | lgths 998.00 | 3,992.00 |
| 5. | 5-3/4 x 10" x 20' M.S I-Beam | 10 | lgths 335.00 | 3,350.00 |
| 6. | 4" x 6" x 20' M.S I-Beam | 2 | lgths 180.00 | 360.00 |
| 7. | 3" x 6" x 20' M.S Channel | 24 | lgths 137.00 | 3,288.00 |
| 8. | 4" x 15" x 20' M.S Channel | 7 | lgths 552.00 | 3,864.00 |
| 9. | 3-1/2" x 6" x 20' M.S Angle | 11 | lgths 230.00 | 2,530.00 |
| 10. | 1-1/2" x 1/4" M.S Angle | 10 | lgths 33.00 | 330.00 |
| 11. | 4" x 1/2" M.S Flat Bar | 7 | lgths 96.00 | 672.00 |
| 12. | 1-1/2" x 1/4" M.S Flat Bar | 10 | lgths 18.00 | 180.00 |
| 13. | 3/8" x 3" M.S Flat Bar | 35 | lgths 40.00 | 1,400.00 |
| 14. | 1-1/4" ϕ A.P.I Pipe | 44 | lgths 95.52 | 4,202.88 |
| 15. | 3/4" ϕ x 3"(L) M.S Bolt & Nut | 4 | bags 198.00 | 792.00 |
| 16. | 1/2" x 4' x 8' M.S Plate | 1 | sht 540.00 | 540.00 |
| 17. | Truck-Transportation Charges | 1 | day 400.00 | 400.00 |
| 18. | 20 tonne Hoist Rental | 2 | days 420.00 | 840.00 |
| 19. | 1325# Paint (5 L) | 12 | tins 76.00 | 912.00 |
| 20. | Labour to Bend 12" ϕ Pipe Bracket | | | 1,800.00 |
| 21. | Misc Fees | | | 1,500.00 |
| 22. | Labour Charges | | | 25,000.00 |
| | | | | 59,177.88 |
| | Profit 15% | | | 8,876.68 |
| | | | | 68,054.56 |
| | Discount | | | 54.56 |

Grand Total (1 to 22) ----- **68,000.00** -----

- Interest will be charged at 1.5% per month on all amounts overdue;
- No claims whatsoever will be entertained unless made in writing to the seller;
- All cheques should be made payable to Rambo Engineering Works; and crossed 'Account Payee Only'

for Rambo Engineering Works.



RAMBO ENGINEERING WORKS

No. 251, Jalan D/A 7 Kg Desa Aman,
Batu 11, Jalan Sungai Buluh,
47000 Selangor Darul Ehsan.
Tel : 03-61563870 Fax : 03-61568509

INVOICE

M/S : HARTALEGA SDN BHD
7 Kawasan Perusahaan Suria
45600 Batang Berjuntai
Selangor Darul Ehsan

Invoice No. : 0324/02
Invoice Date : 28.12.2002
Quotation No : Rew/Hari/quo/063/02
Our D/O No. : 0324/02
Term : Progressive Payment

| Item | Description | Quantity | U/Price(RM) | Amount(RM) |
|---|--|----------|-------------|------------|
| 12"O (JAPAN) Main Thermo Oil Pipe System. | | | | |
| 1. | 12" Sch 40 A.P.I Pipe (Japan) | 87 lgths | 2,295.00 | 199,665.00 |
| ~ | 12" Sch 40 Elbow | 18 pcs | 350.00 | 6,300.00 |
| | Labour Charges | | | 70,000.00 |
| 4. | Misc. Fees | | | 7,000.00 |
| | | | | 282,965.00 |
| | Profit 15% | | | 42,444.75 |
| | | | | 325,409.75 |
| | Discount | | | 409.75 |
| | | | | 325,000.00 |
| | <u>Note: Progress payment have been received.</u> | | | |
| | 1st Payment Claim : Dated 05.09.2002 (RHB 609634) Official Receipt No. : 75/02 | | | 150,000.00 |
| | 2nd Payment Claim : Dated 26.11.2002 (RHB 650032) Official Receipt No. : 102/02 | | 749060 | 100,000.00 |
| | 3rd Payment Claim : Dated 19.12.2002 (RHB 698771) Official Receipt No. : 112/02 | | | 50,000.00 |

PAID
17 MAR 2003

Please Verify
[Signature]

RM: Twenty Five Thousand Only.,

Item: Four Only.

Balance Claim 4th Final Progress Payment ----- 25,000.00 ✓

- Interest will be charged at 1.5% per month on all amounts overdue;
- No claims whatsoever will be entertained unless made in writing to the seller;
- All cheques should be made payable to Rambo Engineering Works; and crossed 'Account Payee Only'

for Rambo Engineering Works



RAMBO ENGINEERING WORKS

No. 251, Jalan D/A 7 Kg Desa Aman,
Batu 11, Jalan Sungai Buluh,
47000 Selangor Darul Ehsan.
Tel : 03-61563870 Fax : 03-61568509

INVOICE

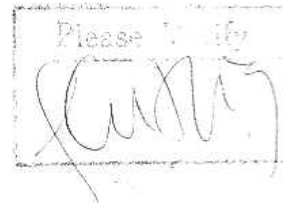
M/S : HARTALEGA SDN BHD
7 Kawasan Perusahaan Suria
45600 Batang Berjuntai
Selangor Darul Ehsan

Invoice No. : 0323/02
Invoice Date : 28.12.2002
Quotation No. : Quo/Rew/Han 197/02
Our D/O No. : 0323/03
Term : Progressive Payment
Page : 2/2

| Item | Description | Quantity | U/Price(RM) | Amount(RM) |
|------|--|----------|-------------|------------|
| 1. | To supply labour and material for 12" Main Thermo Oil Pipe at Motor Blower & To supply labour to fabricate 12" ϕ x 120mm Rockwool Jacketing Insulation. | | | 114,600.00 |
| | Note: Progress payment have been received. 1st Payment Claim : Dated 12.12.2002 (RHB 698773) Official Receipt No. : 114/02 | | | 100,000.00 |

PAID
(17 MAR 2003)

749000



RM: Fourteen Thousand Six Hundred Only.

Item: Twenty Four Only.

Balance Claim 2nd Final Progress Payment 14,600.00

- a) Interest will be charged at 1.5% per month on all amounts overdue.
- b) No claims whatsoever will be entertained unless made in writing to the seller.
- c) All cheques should be made payable to Rambo Engineering Works, and crossed 'Account Payee Only'

for Rambo Engineering Works





**Tan Loong & Sons Construction
Sdn. Bhd.** (46306-X)

No. 43-1, Jalan 3/33A, Batu 7, Off Jalan Kepong, 52100 Kuala Lumpur,
Malaysia. Tel: 03-62749988, 62767878 Fax: 03-62767979



July 10, 2002

TL/223/01/003

*To P. C. Yee
In action
July 11/7*

Hartalega Sdn Bhd
7, Kaw. Perusahaan Suria
45600 Batang Berjuntai
Selangor Darul Ehsan

Attn : Mr Kuan Kam Peng

Dear Sir,

**CLAIM FOR SUPPLY AND LEVEL SAND, SOIL & CRUSHER RUN AT LOT 2989,
NO. 4 KAWASAN PERUSAHAAN SURIA, BATANG BERJUNTAI FOR
HARTALEGA SDN BHD**

With reference to the above, we take this opportunity to submit herewith our progress claim for supply and level sand, soil & crusher run for the total sum of RM206,000.00 (Two Hundred Six Thousand Only) for your kind approval.

Please find enclosed herewith the summary of the claim.

We look forward to serve you the best in your esteemed project.

Thank you.

Yours truly,
TAN LOONG & SONS CONSTRUCTION SDN BHD


TAN HOCK HUAT

PAID
17 JUL 2002
RM 100,000-00
RHS 560119

PAID
17 AUG 2002
RM 100,000-00
560220



PERUNDING JURUTERA JH

77C, Jalan SG-3/10, Pusat Bandar Seri Gombak, Seri Gombak,
08100 Batu Caves, Selangor Darul Ehsan.
Tel: 03-6186 8813 (Hunting Lines) Fax: 03-6186 8077
E-mail: jhgroup@tm.net.my

Our Ref : JH/HSB/TLS/0215/PC/01
Date : 23-08-2002



Attn. : **Mr. Kuan Kam Hon** (Managing Director)

*Yang,
Jin ple pay*

M/s Hartalega Sdn Bhd.
No. 9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur.

Dear Sir,

RE : The Construction and Completion of Cadangan Pembangunan Perusahaan Yang Mengandungi :

- 1) Kilang Setingkat "Bio-Mass Storage" (60m x 30.5m)
- 2) Kilang Setingkat "Vyncke Heater" (46.5m x 48.6m)
- 3) Pencawang Elektrik (30.18m x 6.1m)

Diatas Sebahagian Lot 3394 (PT 2989), Beralamat No. 6, Kawasan Perusahaan Suria, Mukim Batang Berjuntai, Daerah Kuala Selangor, Selangor Darul Ehsan Untuk Tetuan Hartalega Sdn. Bhd.

--- Progress Claim No. : 1

With reference to the above and enclosed herewith a copy of our certificate of payment No. : 0215/001 issued for the workdone by the building contractor M/s Tan Loong & Sons Construction Sdn. Bhd., for the sum of RM 361,712.93 (Ringgit Malaysia : Three Hundred Sixty One Thousand Seven Hundred and Twelve and Cents Ninety Three Only.) based on the valuation made by us for your necessary action.

Kindly advise the bank to release the above sum to the building contractor M/s Tan Loong & Sons Constructions Sdn. Bhd. soonest possible.

Pleased do not hesitate to contact undersigned if you have any queries.

Thank you.

Yours faithfully,
PERUNDING JURUTERA JH



23/8/02
IR TAN JIH HOO AMN. PMC.
(Principal)

c.c. Tan Loong & Sons Construction Sdn. Bhd.

PAIN
03 SEP 2002

609630



PERUNDING JURUTERA JH

77C, Jalan SG 3/10, Pusat Bandar Seri Gombak, Seri Gombak,
68100 Batu Caves, Selangor Darul Ehsan.
Tel: 03-6186 8813 (Hunting Lines) Fax: 03-6186 8077
E-mail: jhgroup@tm.net.my

Our Ref : JH/HSB/TLS/0215/PC/02
Date : 07-10-2002

Attn. : Mr. Kuan Kam Hon (Managing Director)

M/s Hartalega Sdn. Bhd.
No. 9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur.

Dear Sir,

RE : The Construction and Completion of Cadangan Pembangunan Perusahaan Yang Mengandungi :

- 1) Kilang Setingkat "Bio-Mass Storage" (60m x 30.5m)
- 2) Kilang Setingkat "Vyncke Heater" (46.5m x 48.6m)
- 3) Pencawang Elektrik (30.18m x 6.1m)

Diatas Sebahagian Lot 3394 (PT 2989), Beralamat No. 6, Kawasan Perusahaan Suria, Mukim Batang Berjantai, Daerah Kuala Selangor, Selangor Darul Ehsan Untuk Tetuan Hartalega Sdn. Bhd.

-- Progress Claim No. : 2

With reference to the above and enclosed herewith a copy of our certificate of payment No. : 0215/002 issued for the workdone by the building contractor M/s Tan Loong & Sons Construction Sdn. Bhd., for the sum of **RM 535,277.27 (Ringgit Malaysia : Five Hundred Thirty Five Thousand Two Hundred and Seventy Seven and Cents Twenty Seven Only.)** based on the valuation made by us on 4th October 2002 for your necessary action.

Kindly advise the bank to release the above sum to the building contractor M/s Tan Loong & Sons Constructions Sdn. Bhd. soonest possible.

Pleased do not hesitate to contact undersigned if you have any queries.

Thank you.

Yours faithfully,
PERUNDING JURUTERA JH



TR TAN JIT HOO AMN P.M.C.
(Principal)

PAID
11 OCT 2002

449635

c.c. Tan Loong & Sons Construction Sdn. Bhd.



PERUNDING JURUTERA JH

77C, Jalan SG 3/10, Pusat Bandar Seri Gombak, Seri Gombak,
68100 Batu Caves, Selangor Darul Ehsan.
Tel: 03-6186 8813 (Hunting Lines) Fax: 03-6186 8077
E-mail: jhgroup@tm.net.my

Our Ref : JH/HSB/TLS/0215/PC/03
Date : 11-11-2002

*Yang,
You may pay
RM 661,580.99
= 12/11*



Attn. : Mr. Kuan Kam Hon (Managing Director)

M/s Hartalega Sdn. Bhd,
No. 9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur.

Dear Sir,

RE : The Construction and Completion of Cadangan Pembangunan Perusahaan Yang
Mengandungi :

- 1) Kilang Setingkat "Bio-Mass Storage" (60m x 30.5m)
- 2) Kilang Setingkat "Vyncke Heater" (46.5m x 48.6m)
- 3) Pencawang Elektrik (30.18m x 6.1m)

Diatas Sebahagian Lot 3394 (PT 2989), Beralamat No. 6, Kawasan Perusahaan Suria,
Mukim Batang Berjantai, Daerah Kuala Selangor, Selangor Darul Ehsan
Untuk Tetuan Hartalega Sdn, Bhd.

--- Progress Claim No. : 3

With reference to the above and enclosed herewith a copy of our certificate of payment
No. : 0215/003 issued for the workdone by the building contractor M/s Tan Loong & Sons
Construction Sdn. Bhd., for the sum of RM 661,580.99 (**Ringgit Malaysia : Six
Hundred Sixty One Thousand Five Hundred and Eighty and Cents Ninety Nine
Only.**) based on the valuation made by us on 7th November 2002 for your necessary action.

Kindly advise the bank to release the above sum to the building contractor M/s Tan Loong
& Sons Constructions Sdn. Bhd. soonest possible.

Pleased do not hesitate to contact undersigned if you have any queries.

Thank you.

Yours faithfully,
PERUNDING JURUTERA JH



[Signature]
IR TAN JIT HOO AMN. P.M.C.
(Principal)



c.c. Tan Loong & Sons Construction Sdn. Bhd.



PERUNDING JURUTERA JH

77C, Jalan SG 3/10, Pusat Bandar Seri Gombak, Seri Gombak,
68100 Batu Caves, Selangor Darul Ehsan
Tel: 03-6186 8813 (Hunting Lines) Fax: 03-6186 8077
E-mail: jhgroup@tm.net.my

Our Ref : JH/HSB/TLS/0215/PC/04
Date : 18-12-2002

Attn. : **Mr. Kuan Kam Hou** (Managing Director)

M/s Hartalega Sdn. Bhd.
No. 9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur.

Dear Sir,

RE : The Construction and Completion of Cadangan Pembangunan Perusahaan Yang Mengandungi :

- 1) Kilang Setingkat "Bio-Mass Storage" (60m x 30.5m)
- 2) Kilang Setingkat "Vyncke Heater" (46.5m x 48.6m)
- 3) Pencawang Elektrik (30.18m x 6.1m)

Diatas Sebahagian Lot 3394 (PT 2989), Beralamat No. 6, Kawasan Perusahaan Suria, Mukim Batang Berjuntai, Daerah Kuala Selangor, Selangor Darul Ehsan Untuk Tetuan Hartalega Sdn. Bhd.

--- Progress Claim No. : 4

With reference to the above and enclosed herewith a copy of our certificate of payment No. : 0215/004 issued for the workdone by the building contractor M/s Tan Loong & Sons Construction Sdn. Bhd., for the sum of **RM 508,185.33 (Ringgit Malaysia : Five Hundred and Eight Thousand One Hundred and Eighty Five and Cents Thirty Three Only.)** based on the valuation made by us on 17th December 2002 for your necessary action

Kindly advise the bank to release the above sum to the building contractor M/s Tan Loong & Sons Constructions Sdn. Bhd. soonest possible.

Pleased do not hesitate to contact undersigned if you have any queries.

Thank you.

Yours faithfully,
PERUNDING JURUTERA JH



TAN JI HOO AMM, P.M.C.
(Principal)



c.c. Tan Loong & Sons Construction Sdn. Bhd.

TAN JI HOO, AMM, P.M.C.
TAN LIK SIN

M.Sc., MBA, B.Sc. Eng (Hons)(Water), MEM, MACEM, AMM, P.Eng. (Civil), ASEAN Eng
B. Eng (Hons), MEM, P.Eng. (Mechanical)
R. S. H. B. (P)



PERUNDING JURUTERA JH

77C, Jalan SG 3/10, Pusat Bandar Seri Gombak, Seri Gombak,
68100 Batu Caves, Selangor Darul Ehsan.
Tel: 03-6186 8813 (Hunting Lines) Fax: 03-6186 8077
E-mail: jhgroup@tm.net.my

Our Ref : JH/HSB/TLS/0215/PC/05
Date : 16-01-2003

Attn. : Mr. Kuan Kam Hon (Managing Director)



M/s Hartalega Sdn. Bhd.
No. 9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur.

Dear Sir,

RE : The Construction and Completion of Cadangan Pembangunan Perusahaan Yang
Mengandungi :

- 1) Kilang Setingkat "Bio-Mass Storage" (60m x 30.5m)
- 2) Kilang Setingkat "Vyncke Heater" (46.5m x 48.6m)
- 3) Pencawang Elektrik (30.18m x 6.1m)

Diatas Sebahagian Lot 3394 (PT 2989), Beralamat No. 6, Kawasan Perusahaan Suria,
Mukim Batang Berjuntai, Daerah Kuala Selangor, Selangor Darul Ehsan
Untuk Tetuan Hartalega Sdn. Bhd.

--- Progress Claim No. : 5

With reference to the above and enclosed herewith a copy of our certificate of payment
No. : 0215/005 issued for the workdone by the building contractor M/s Tan Loong & Sons
Construction Sdn. Bhd., for the sum of **RM 173,462.25 (Ringgit Malaysia : One
Hundred Seventy Three Thousand Four Hundred and Sixty Two and Cents Twenty
Five Only.)** based on the valuation made by us on 15th January 2003 for your necessary
action.

Kindly advise the bank to release the above sum to the building contractor M/s Tan Loong
& Sons Construction Sdn. Bhd. soonest possible.

Pleased do not hesitate to contact undersigned if you have any queries.

Thank you.

Yours faithfully,
PERUNDING JURUTERA JH



16/01/03
IR TAN JIH HOO AMN. P.M.C.
(Principal)

[Handwritten Signature]
PAIN
(24 JAN 2003)
699133
1

c.c. Tan Loong & Sons Construction Sdn. Bhd.

TAN JIH HOO, AMN. P.M.C.
TAN LIK SIN

M.Sc., MBA., B.Sc. Eng. (Hons)(Wales), MEM, MACEM, AMIM, P.Eng. (Civil), ASEAN Eng.
B. Eng. (Hons), MEM, P.Eng. (Mechanical)



PERUNDING JURUTERA JH

77C, Jalan SG 3/10, Pusat Bandar Seri Gombak, Seri Gombak,
68100 Batu Caves, Selangor Darul Ehsan.
Tel: 03-6186 8813 (Hunting Lines) Fax: 03-6186 8077
E-mail: jhgroup@tm.net.my

Our Ref : JH/HSB/UFESB/0215/PC/01-FF
Date : 04-12-2002

*Yong please arrange.
Mr 4/12/02*



Attn. : **Mr. Kuan Kam Hon** (Managing Director)

M/s Hartalega Sdn. Bhd.
No. 9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur.

Dear Sir,

RE : The Construction and Completion of Cadangan Pembangunan Perusahaan Yang
Mengandungi :

- 1) Kilang Setingkat "Bio-Mass Storage" (60m x 30.5m)
- 2) Kilang Setingkat "Vyncke Heater" (46.5m x 48.6m)
- 3) Pencawang Elektrik (30.18m x 6.1m)

Diatas Sebahagian Lot 3394 (PT 2989), Beralamat No. 6, Kawasan Perusahaan Suria,
Mukim Batang Berjantai, Daerah Kuala Selangor, Selangor Darul Ehsan
Untuk Tetuan Hartalega Sdn. Bhd.

--- Progress Claim No. : 1 (Fire Fighting System)

With reference to the above and enclosed herewith a copy of our certificate of payment
No. : 0215/001-FF issued for the workdone by the fire fighting contractor M/s United Fire
Engineering Sdn. Bhd, for the sum of **RM 32,543.69 (Ringgit Malaysia : Thirty Two
Thousand Five Hundred and Forty Three and Cents Sixty Nine Only.)** based on the
valuation made by us on 3rd December 2002 for your necessary action.

Kindly advise the bank to release the above sum to the fire fighting contractor M/s United
Fire Engineering Sdn. Bhd. soonest possible.

Pleased do not hesitate to contact undersigned if you have any queries.

Thank you.

Yours faithfully,

PERUNDING JURUTERA JH



Tan Jit Hoo
TAN JIT HOO AMN, P.M.C.
(Principal)

PAID
09 DEC 2002
650184

c.c. United Fire Engineering Sdn. Bhd. -- Mr. Poh ka Hock

TAN JIT HOO, AMN, P.M.C.
TAN LIK SIN

Associate - FOUNDING PARTNER

M.Sc., MBA., B.Sc. Eng (Hons)(Wales), MIEM, MACEM, AMIM, P.Eng. (Civil), ASEAN Eng
B. Eng (Hons), MIEM, P.Eng. (Mechanical)

Partner (1990)



PERUNDING JURUTERA JH

77C, Jalan SG 3/10, Pusat Bandar Seri Gombak, Seri Gombak,
68100 Batu Caves, Selangor Darul Ehsan.
Tel: 03-6186 8813 (Hunting Lines) Fax: 03-6186 8077
E-mail: jhgroup@tm.net.my

Our Ref : JH/HSB/UFESB/0215/PC/02-FF
Date : 25-02-2003

| |
|------------------------------------|
| Approved For Release Of Payment |
| <i>[Signature]</i> . 23/03 |
| Apportion To Dept |

Attn. : **Mr. Kuan Kam Hon** (Managing Director)

M/s Hartalega Sdn, Bhd.
No. 9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur.

Dear Sir,

RE : The Construction and Completion of Cadangan Pembangunan Perusahaan Yang
Mengandungi :

- 1) Kilang Setingkat "Bio-Mass Storage" (60m x 30.5m)
- 2) Kilang Setingkat "Vyncke Heater" (46.5m x 48.6m)
- 3) Pencawang Elektrik (30.18m x 6.1m)

Diatas Sebahagian Lot 3394 (PT 2989), Beralamat No. 6, Kawasan Perusahaan Suria,
Mukim Batang Berjantai, Daerah Kuala Selangor, Selangor Darul Ehsan
Untuk Tetuan Hartalega Sdn. Bhd.

--- **Progress Claim No. : 2 (Fire Fighting System)**

With reference to the above and enclosed herewith a copy of our certificate of payment
No. : 0215/002-FF issued for the workdone by the fire fighting contractor M/s United Fire
Engineering Sdn. Bhd, for the sum of **RM 94,591.06 (Ringgit Malaysia : Ninety Four
Thousand Five Hundred and Ninety One and Cents Six Only.)** based on the valuation
made by us on 24th February 2003 for your necessary action.


Kindly advise the bank to release the above sum to the fire fighting contractor M/s United
Fire Engineering Sdn. Bhd. soonest possible.

Pleased do not hesitate to contact undersigned if you have any queries.

Thank you.

Yours faithfully,

PERUNDING JURUTERA JH



[Signature]

IR TAN JIT HOO AMN. P.M.C.
(Principal)

PAID
(26 MAR 2003)
749105

c.c. United Fire Engineering Sdn. Bhd. -- Mr. Poh ka Hock

TAN JIT HOO, AMN. P.M.C.
TAN LIK SIN

M.Sc., MBA., B.Sc. Eng (Hons)(Wales), MIEM, MACEM, AMIM, P.Eng. (Civl), ASEAN Eng
B. Eng (Hons), MIEM, P.Eng. (Mechanical)



PERUNDING JURUTERA JH

77C, Jalan SG 3/10, Pusat Bandar Seri Gombak, Seri Gombak,
68100 Batu Caves, Selangor Darul Ehsan.
Tel: 03-6186 8813 (Hunting Lines) Fax: 03-6186 8077
E-mail: jhgroup@tm.net.my

Our Ref : JH/HSB/TPSB/0215/PC/01-ET
Date : 04-12-2002



Attn. : **Mr. Kuan Kam Hon** (Managing Director)

M/s Hartalega Sdn. Bhd.
No. 9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur.

*Yang,
Please arrange for
payment.
JH. 4/12/02*

Dear Sir,

RE : The Construction and Completion of Cadangan Pembangunan Perusahaan Yang
Mengandungi :

- 1) Kilang Setingkat "Bio-Mass Storage" (60m x 30.5m)
- 2) Kilang Setingkat "Vyncke Heater"(46.5m x 48.6m)
- 3) Pencawang Elektrik (30.18m x 6.1m)

Diatas Sebahagian Lot 3394 (PT 2989), Beralamat No. 6, Kawasan Perusahaan Suria,
Mukim Batang Berjantai, Daerah Kuala Selangor, Selangor Darul Ehsan
Untuk Tetuan Hartalega Sdn. Bhd.

--- Progress Claim No. : 1 (Electrical HT & LV Services)

With reference to the above and enclosed herewith a copy of our certificate of payment
No. : 0215/001-ET issued for the workdone by the electrical contractor M/s Tenaga Poly
Sdn. Bhd, for the sum of **RM 390,627.65 (Ringgit Malaysia : Three Hundred Ninety
Thousand Six Hundred and Twenty Seven and Cents Sixty Five Only.)** based on the
valuation made by us on 3rd December 2002 for your necessary action.

Kindly advise the bank to release the above sum to the electrical contractor M/s Tenaga Poly
Sdn. Bhd. soonest possible.

Pleased do not hesitate to contact undersigned if you have any queries.

Thank you.

Yours faithfully,
PERUNDING JURUTERA JH



4/12/02
IR TAN JIT HOO AMN. P.M.C.
(Principal)

PAIN
09 DEC 2002

c.c. Tenaga Poly Sdn. Bhd. -- Mr. S. K. Koh



PERUNDING JURUTERA JH

77C, Jalan SG 3/10, Pusat Bandar Seri Gombak, Seri Gombak,
68100 Batu Caves, Selangor Darul Ehsan.
Tel: 03-6186 8813 (Hunting Lines) Fax: 03-6186 8077
E-mail: jhgroup@tm.net.my

Our Ref : JH/HSB/TPSB/0215/PC/02-ET
Date : 23-01-2003



Attn. : Mr. Kuan Kam Hon (Managing Director)

M/s Hartalega Sdn. Bhd.
No. 9, Jalan Kuang Bulan,
Taman Kepong Industrial Estate,
52100 Kuala Lumpur.

verified.

| |
|------------------------------------|
| Approved For release Of Payment |
| <i>[Signature]</i> |
| Apportion To Dept _____ |

Dear Sir,

RE : The Construction and Completion of Cadangan Pembangunan Perusahaan Yang Mengandungi :

- 1) Kilang Setingkat "Bio-Mass Storage" (60m x 30.5m)
- 2) Kilang Setingkat "Vyncke Heater" (46.5m x 48.6m)
- 3) Pencawang Elektrik (30.18m x 6.1m)

Diatas Sebahagian Lot 3394 (PT 2989), Beralamat No. 6, Kawasan Perusahaan Suria, Mukim Batang Berjantai, Daerah Kuala Selangor, Selangor Darul Ehsan Untuk Tetuan Hartalega Sdn. Bhd.

--- Progress Claim No. : 2 (Electrical HT & LV Services)

With reference to the above and enclosed herewith a copy of our certificate of payment No. : 0215/002-ET issued for the workdone by the electrical contractor M/s Tenaga Poly Sdn. Bhd, for the sum of **RM 84,972.75 (Ringgit Malaysia : Eighty Four Thousand Nine Hundred and Seventy Two and Cents Seventy Five Only.)** based on the valuation made by us on 22nd January 2003 for your necessary action.

Kindly advise the bank to release the above sum to the electrical contractor M/s Tenaga Poly Sdn. Bhd. soonest possible.

Pleased do not hesitate to contact undersigned if you have any queries.

Thank you.

Yours faithfully,
PERUNDING JURUTERA JH



[Signature] 23/01/03
*IR TAN JIT HOO A.M.N. P.M.C.
(Principal)

c.c. Tenaga Poly Sdn. Bhd. -- Mr. S. K. Koh

PAID
05 FEB 2003

699255
1

| |
|------------------------------------|
| Approved For Release Of Payment |
| <i>[Signature]</i> |
| Apportion To Dept _____ |

PERUNDING JH TAN SDN. BHD.

(ROC : 568733- P)
 NO 77C, JALAN SG3/10, PUSAT BANDAR SERI GOMBAK
 68100 BATU CAVES, SELANGOR DARUL EHSAN
 TEL : 03 - 61868813 FAX : 03 - 61868077

INVOICE

ATTN : MR KUAN MUN LEONG
 M/S HARTALEGA SDN BHD
 No 9 Jln Kuang Bulan
 Taman Kepong Industrial Estate
 52100 Kuala Lumpur

Invoice No : **0015**
 Date : 18-Nov-02
 File Ref : JHT/0215
 A/C Ref : B/0215/ME/1

| NO | DESCRIPTION | TOTAL |
|--------|--|--------------|
| | CADANGAN PEMBANGUNAN PERUSAHAAN YANG MENDUNGI : I) GUDANG SETINGKAT 'BIO-MASS' STORAGE II) KILANG SETINGKAT 'VYNCKE HEATER' III) PENCAWANG LETRIK DIATAS SEBAHAGIAN LOT 3394 (PT 2989) NO 6, KAWASAN PERUSAHAAN SURIA, MUKIM BATANG BERJUNTAI, DAERAH KUALA SELANGOR UNTUK HARTALEGA SDN BHD Being Claim on M & E Services consisting of : - Electrical HT , Internal Wiring and Fire Fighting System - | (RM) |
| 1 | Professional Fees | |
| a | Design and preparation of drawings including submission to TNB and Bomba for approval @ 40% | \$ 12,480.00 |
| b | Add : GST 5% | \$ 624.00 |
| 2 | Liaison with TNB for HT supply @ 20% | \$ 6,240.00 |
| 3 | Installation Stage @ 10% | \$ 3,120.00 |
| Note : | Estimated M & E Costs = RM0.78million This Claim @ 0.78m x 4% x 70% | |

PAID
 (26 NOV 2002)

Payment by cheque should be crossed & made payable to
 PERUNDING JH TAN SDN. BHD.
 Any discrepancy is to be made known to us within 10 days
 from date hereof.

TOTAL (RM) \$ **22,464.00**

Handwritten signature and notes:
 to pay - 20/11/02

for **PERUNDING JH TAN SDN BHD**



PERUNDING JH TAN SDN. BHD. (ROC : 568733-P)

NO 77C, JALAN SG3/10, PUSAT BANDAR SERI GOMBAK
68100 BATU CAVES, SELANGOR DARUL EHSAN
TEL : 03 - 61868813 FAX : 03 - 61868077

INVOICE

ATTN : MR KUAN MUN LEONG

M/S HARTALEGA SDN BHD
No 9 Jin Kuang Bulan
Taman Kepong Industrial Estate
52100 Kuala Lumpur

Invoice No : **0019**
Date : 10-Dec-02
File Ref : JHT/0215
A/C Ref : B/0215/PB/1

| NO | DESCRIPTION | TOTAL |
|-------|--|----------------------------|
| | CADANGAN PEMBANGUNAN PERUSAHAAN YANG MENGANUNGI : I) GUDANG SETINGKAT 'BIO-MASS' STORAGE II) KILANG SETINGKAT 'VYNCKE HEATER' III) PENCAWANG LETRIK DIATAS SEBAHAGIAN LOT 3394 (PT 2989) NO 6, KAWASAN PERUSAHAAN SURIA, MUKIM BATANG BERJUNTAI, DAERAH KUALA SELANGOR UNTUK HARTALEGA SDN BHD <i>Being Claim for the Building Works Consisting of Architectural , Civil and Structural</i> | (RM) |
| 1 | Design and preparation of building plans and drawings including submission to relevant authorities for approval @ 20% | |
| 2 | Preparation of Detailed Drawings for Construction and Liaison with MDKS and obtained building plan approval for Construction @ 40% | |
| 3 | Claim during Construction Stage @ 10% | |
| | This Claim Valued at : 70% x 4.65% x 2.45 million <i>(Estimated Building Construction Costs = RM2.45million)</i> | = TOTAL CLAIM \$ 29,740.50 |
| 5 | ADD : G.S.T 5% on item 1 | \$ 1,139.25 |
| 6 | Plan Processing Fees for Infrastructure Drawings to MDKS (PAYMENT MADE ON BEHALF - MDKS Bill NO: I 1927 attached) | \$ 500.00 |
| NOTE: | CONSULTANT FEES 4% + Liaison with MDKS 0.65% = 4.65% | |

PAID
20 DEC 2002
673850
247566.75

Payment by cheque should be crossed & made payable to:

"PERUNDING JH TAN SDN. BHD."

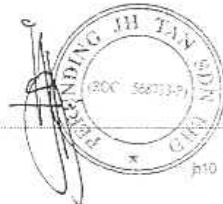
Any discrepancy is to be made known to us within 10 days from the date hereof

TOTAL (RM) \$ **81,386.75**

PERUNDING JH TAN SDN BHD

ORIGINAL COPY DATE FILE

fang
Ok please pay
RM 81,386.75
Page 1
3/6-75





Commercial invoice No. K00341

HARTALEGA SDN BHD, Selangor

07.07.00

| description | unit price | total price |
|---|----------------|----------------|
| 1 UNIT THERMAL OIL HEATER 4,000,000 KCAL/H COMPLETE WITH BURNER RMS 50/2 AND ACCESSORIES P.O. NO: 016210 TARIFF CODE: 8419.89.000 (CIF) | DEM 185.000,00 | DEM 185.000,00 |

intec Ges. f. Energie-
u. Umweltechnik mbH
O.P. 474699
D 474699

Lieferanschrift / Betrieb
Opere Au. 7, D-74355 Sersheim
Tel. 07261 9279 0
Fax. 07261 9279 59
E-mail: intec@intecu.com
Firmensitz
Hauptstraße 96, D-74251 Guberg

Geschäftsführer
Herbert Köhne
Dipl. Ing. Stefan Müller
Martin Sander
Rolf Schleicher

Bankverbindungen
Volksbank Neckargemünd eG
BLZ. 672 917 00
Konto. 11 24 34 01
IBAN DE21 6729 1700
0011 2434 01
Swift. GENODE33NGD

Deutsche Bank AG
Filiale Heilbronn
BLZ. 620 700 81
Konto. 0106006
Swift. DEUTDE33HAN

Registriergericht
Heidelberg
HRB 5470
Ust Id. Nr.
DE 811 941 778

Our ref: HL/5701/09/07/SMK

Date: 2nd October 2007

HARTALEGA SDN. BHD
7, Kawasan Perusahaan Suria,
45600 Batang Berjuntai,
Selangor Darul Ehsan,
Malaysia.
Tel: 3271 0277
Fax: 3271 0135

Attn: Mr M.L. Kuan

Dear Sir,

RE: MECHMAR THERMAL FLUID HEATER (6 X MTH 12MBTU/HR)

With refer to the above, appended our budgetary price for your perusal.

To supply, delivery, install, testing & commissioning (site: within Selangor , Malaysia)

- 1) MTH 12 Mbtu/hr (c/w Burner for Natural Gas firing)
- 2) Mild Steel Chimney (50'H)
- 3) Expansion Tank
- 4) Sump Tank
- 5) Circulating Pump
- 6) Hot Oil Piping within Heater Room
- 7) Drain/Overflow Piping

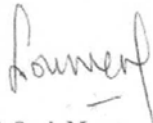
1 complete set of MTH 12 Mbtu/hr (3.51 MW) ~ RM 455,000.00
For 6 sets of MTH 12 Mbtu/hr(total = 21 MW) ~ RM 2,730,000.00

Exclude:

- Electrical work
- Hot Oil Piping to process
- Civil/RC work
- Anything not mention in the above.

Thank you.

Yours faithfully,
MECHMAR COCHRAN BOILERS (M) SDN BHD



Kok Sook Meng
Commercial Manager

MECHMAR
www.mechmar.com.my

MECHMAR COCHRAN BOILERS (M) SDN BHD

(Company No: 38083-P)

No. 1, Jalan Perunding U1/17,
Hicom Glenmarie Industrial Park,
40150 Shah Alam,

Selangor Darul Ehsan, Malaysia.

Tel: (603) 5569 3688 Fax: (603) 5569 1368

E-mail: mcbsa@mechmar.com.my

CONTRACT

No: **C577/BP/04**

Date: **14th June 2004**

Comm

MECHMAR

www.mechmar.com.my

MECHMAR COCHRAN BOILERS (M) SDN BHD

(Company No: 38083-P)

No. 1, Jalan Perunding U1/17,
Hicom Glenmarie Industrial Park,

40150 Shah Alam,

Selangor Darul Ehsan, Malaysia.

Tel: (603) 5569 3688 Fax: (603) 5569 1368

E-mail: menergy@mechmar.com.my

Messrs **HARALEGA SDN BHD**

of **9, Jalan Kuang Bulan,**

Messrs

of

Taman Kepong Industrial Estate, 52100 Kuala Lumpur.

(herein after called the "Buyer") hereby confirm having purchased/contracted this day from/with Mechmar Cochran Boiler Sdn. Bhd.

(referred as "Seller") the undermentioned goods/services at the prices and terms and conditions printed on the overleaf.

QUANTITY AND DESCRIPTION OF GOODS

- 1.0 Hot Water Boiler**
- Titan package hot water boiler, fully automatic 100% wet back reverse flame design three-pass fire tube c/w standard boiler mountings and fittings.
- 1.1 Hot Water Boiler Specification**
- 1.1.1 Model : HT 2000/65 (Reconditioned Boiler, Year of Manufacture 1993)
- 1.1.2 Manufacturer : MechMar Boilers Sdn Bhd
- 1.1.3 Capacity : 20.0 MBtu/hr at a temperature difference of 25°C
- 1.1.4 Max Working Pressure : 65psig
- 1.1.5 Burner : Nuway, UK [Altitude : Sea Level] (New Burner)
- 1.1.6 Type : Pressure Jet – High/Low
- 1.1.7 Turndown ratio : 3 : 1
- 1.1.8 Fuel Used : Natural gas
- 1.1.9 Electrical Supply : 415v/3ph/50Hz
- 1.1.10 Construction Code : BS 2790
- 1.1.11 Inspection By : Lloyd's Register of Shipping
- 1.1.12 Approval Authority By : Jabatan Keselamatan dan Kesihatan Pekerjaan, Malaysia.
- 1.1.13 Gross Efficiency : 79%
- 1.2 Standard Hot Water Mountings [per unit boiler]**
- 1.2.1 One unit gas-fired burner.
- 1.2.2 One unit electrical control panel.
- 1.2.3 One unit temperature controller.
- 1.2.4 One unit temperature gauge.
- 1.2.5 One unit pressure gauge.
- 1.2.6 One unit relief valve.
- 1.2.7 One unit drain valve.
- 1.2.8 One unit primary circulation pump

Ref no. E 812/04



Hartalega
BUYER

1.3 Boiler Transportation to site, Unloading, Installation and Commissioning at site

- 1.3.1 Supply of trailer to transport hot water boiler from seller factory to Site.
- 1.3.2 Supply of labour, equipment and mobile crane to unload and position the steam boiler onto a prepared foundation. The client shall make access road and ground foundation to the boilerhouse available.
- 1.3.3 Supply of one(1) technician to hydrostatic test and commission steam boiler to the satisfaction of Boiler Inspector from Jabatan Keselamatan dan Kesihatan Pekerjaan.

1.4 Boiler Operating Platform

Mild steel boiler operating platform c/w handrail and ladder using mild steel plate, angle iron and black 'B' pipe. The structure shall be painted with one(1) coat of red oxide primer and two(2) coats of black paint. The operating platform, handrail and ladder are accordingly to our standard design, and comply to JKPP's requirement.

1.5 Chimney and Flue Ducting

Free standing chimney of welded construction and sandblasted to SA 2.5. Chimney comes complete with standard sampling platform and cage ladder.

The main stack shall be linked to the boiler with mild steel flue ducting c/w bend and transfer joint. Flue ducting within the boilerhouse shall be insulated with **50mm** thick rockwool slab and finished with 26swg aluminum cladding secured firmly with pop-rivets. The base of the stack to be mounted onto a suitable concrete foundation with holding down bolts. **However, supply of holding down bolts and nuts, grouting and RC foundation are excluded.**

Chimney and flue ducting shall be painted externally with two(2) coats of heat resistant paint. Chimney construction shall not be subjected to NDT inspection and any request shall be charged accordingly before commencement of works.

The construction of the chimney shall comply to the Clean Air Regulation and approved by the Ministry of Environment. **Should the chimney height be increased by the said authority, our quoted price shall be subjected to variation accordingly.**

Department of Environment approval of chimney design takes approx. (8-10) weeks from date of application. Therefore, the **Buyers shall provide the factory layout plan to the Sellers within (7) days on signing of contract agreement. These drawing must bear a Professional Engineer's (PE) endorsement.**

1.6 Feedwater Tank

Mild steel feedwater tank c/w level indicator, manhole, vent, drain, overflow, inlet and outlet connections. Tank shall be painted with two(2) coats aluminium heat resistant paint externally and supported on 2m high mild steel angle structure. Tank insulation is excluded. No non-destructive testing inspection shall be applied.

1.7 Water Softener

Water softener of the following specification c/w brine tank, integral pipework, valves and injector.

| | |
|----------------------|--|
| Make | : Titan or equal |
| Type | : Sodium Cycle/ Manual operated |
| Operating Pressure | : 50 psig [max] |
| Material | : Mild steel BS4360 Gr.43A or equal [without inner Phenolic lining] |
| Approval Authority | : Jabatan Keselamatan dan Kesihatan Pekerjaan |
| Inspection Authority | : Jabatan Keselamatan dan Kesihatan Pekerjaan |

1.8 Chemical Dosing Pump

Chemical metering pump c/w chemical tank. Pump to be connected to work in tandem with boiler feedwater pump for direct injection of chemical into the boiler. All necessary pipeworks with fittings and electrical installation are included.

| | |
|-------------------|---------------------|
| Make | : A&F, USA or equal |
| Model | : Simplex Standard |
| Type | : Plunger |
| Motor | : ¼ ⇒ ½ hp TEFC |
| Electrical Supply | : 415v/3ph/50Hz |

1.9 Primary Hot Water Circulating Pump

Supply one(1) unit primary circulating pump of the below specification.

| | |
|----------------|-----------------------------|
| Make | : Grundfos or equal |
| Capacity | : 201.56 m ³ /hr |
| Head | : 35 m |
| Motor required | : 30 kW |

1.10 Hydropneumatic Booster System

The system is supplied complete with accessories such as pressure switch, pre-pressurised pneumatic tank, pressure gauge and all pipings and fittings.

Diaphragm tank capacity : 1,000 litres
Make up pump flowrate : 5 m³/hr

1.11 Associated Pipeworks and Fittings within Boilerhouse [Limited to 12 m]

To provide labour, material, tools and etc to carry out the following pipeworks inclusive of valves, fittings and supports [within Mechmar standard boilerhouse only].

- 1.11.1 Relief Valve Outlet Pipe : Black 'B' pipe from relief valve to atmosphere *
- 1.11.2 Drain Discharge Pipe : Sch40 seamless steel pipe from drain valve to nearest drain. *
- 1.11.3 Gas Supply Pipe : at burner inlet (max 200mbar) *
- 1.11.4 Primary Hot Water Supply and Return Pipe : at main return and supply outlet connection *
- 1.11.5 Cold Water Supply Pipe : Sch40 seamless steel pipe from softener to feedwater tank *
- 1.11.6 All necessary By-Pass Pipe : Sch40 seamless steel pipe. *

1.12 Valves and Fittings

- 1.12.1 Fittings : 3/8" dia to 2" dia shall be screwed joint, carbon steel material and 2 1/2" to 6" dia shall be welded joint, carbon steel material.
- 1.12.2 Valve
 - a) Hot Water : Cast iron globe/check valve less than 16 bar, flanged type 2 1/2" dia to 6" dia [if any]
 - b) Drain/Water/ Fuel Oil : Bronze gate/check valve (6-8) bar, screwed type 1/4" dia to 2" dia.
 Cast iron gate/check valve (6-8) bar, flanged type 2 1/2" dia to 6" dia.
- 1.12.3 Inspection : Visual inspection.

1.13 Process Heat Exchanger

1.13.1 Plate Type Heat Exchanger

- Make : Alfa Laval Plate Heat Exchanger
- Plate Material : AISI 316/0.5 mm
- Sealing Material : EPDMC Clip On
- Connection Material : Stainless Steel
- Connection Diameter : 150 mm
- Pressure Vessel Code : JIS
- Overall dimension : 1146 x 610 x 1885 mm
- (Length x Width x Height)
- Empty/Operating Weight : 905 /1050 kg
- Hot Side Fluid : Water

| | |
|------------------------------|----------------------------------|
| Hot Side Volume flowrate | : 201.56 m ³ /hr |
| Hot Side Inlet Temperature | : 120°C |
| Hot Side Outlet Temperature | : 95°C |
| Cold Side Fluid | : Water |
| Cold Side Volume flowrate | : approx. 287 m ³ /hr |
| Cold Side Inlet Temperature | : 73°C |
| Cold Side Outlet Temperature | : 90°C |
| Heat Exchanged | : 5534 kW |
| LMTD | : 25.8 K |
| Number of plates | : 62 |
| Number of passes | : 1 |

1.13.2 Primary Hot Water Piping [Limited to 15 m] *

To provide labour, material, tools and etc to carry out the following pipeworks inclusive of valves, fittings and supports.

Piping is to be 200 NB Sch 40 seamless steel pipe complete with insulation, cladding and comes with cast steel valves and fittings.

1.13.3 Three Way Controller (Pneumatic Type)

Samson three way valve mixing/diverting, body in cast iron, PN 16 RF flange, plug with EPDM soft seal, linear characteristics comes with pneumatic actuator (fail to close action), I/P positioner (input 4~20 mA) and air filter regulator with gauge attached.

2.0 Inclusion

2.1 Application for approval of design of hot water boiler from Jabatan Keselamatan dan Kesihatan Pekerjaan.

2.2 Hydrostatic testing of hot water boiler to the satisfaction of the Inspector from Jabatan Keselamatan dan Kesihatan Pekerjaan.

2.3 Commissioning of hot water boiler.

2.4 Assistance apply to the DOE for chimney approval.

2.5 Technical advise on boiler operation.

MECHMAR COCHRAN BOILERS (M) SDN BHD

Page 6 of 9
Contract No. 577/BP/04

| 3.0 | <u>Price Summary</u> | <u>Amount[RM]</u> |
|--------|---|-------------------|
| 3.1 | One (1) unit Titan Package Hot Water Boiler Model : HT 2000/65 (Reconditioned boiler) Burner : New Nuway Burner Fuel used : <i>Natural Gas</i> Price : Ex-factory[Pasir Gudang] Incl. of - New 2" thick rockwool insulation & aluminium cladding - New spiral agitator - New electrical control panel and wiring - New door packing and smokebox webbing tape - Hydrostatic test witnessed by Llyod's - Ultrasonic thickness check on the boiler shell - General cleaning of boiler - Paint touch up | : 200,000.00 |
| 3.2 | Boiler Transport to site, Unloading, Installation at site [Selangor] | : 10,000.00 |
| 3.3 | Testing & Commissioning at site | : 4,000.00 |
| 3.4 | One (1) unit Boiler Operating Platform | : 5,650.00 |
| 3.5 | One (1) unit Free Standing Chimney and Flue Ducting c/w Sampling Platform and Cage Ladder Chimney Sandblasted to S.A. 2.5 - 30" ID x 80'0" high x 20'0" long ducting | : 72,800.00 |
| 3.6 | One(1) unit Feed Water Tank – 200 gallons | : 3,800.00 |
| 3.7 | One(1) unit Water Softener - 10 igpm | : 5,600.00 |
| 3.8 | One (1) unit Chemical Dosing Pump | : 2,750.00 |
| 3.9 | Associated Pipeworks and Fittings [within the boiler house – Limited to 12m] | : 8,750.00 |
| 3.10 | * One (1) set Hydropneumatic Booster System **Diaphragm tank capacity: 1,000 litres | : 28,750.00 |
| 3.11 | One (1) unit Circulation Pump | : 18,800.00 |
| 3.12 | Process Heat Exchanger | : 123,000.00 |
| 3.12.1 | Primary Hot Water Piping | |
| 3.12.2 | One (1) unit Plate Type Heat Exchange | |
| 3.12.3 | One (1) Three Way Control valve | |
| 3.13 | Burner Air Freight | : 8,500.00 |
| | Total Price | : 492,400.00 |
| | Less – Discount as per discussion dated 01/06/04 | : (45,900.00) |
| | Final Price | : 446,500.00 |

(Ringgit Malaysian : Four Hundred Forty Six Thousand and Five Hundred Only)

Note: Item with *are proposed base on our estimation. As the actual process is still not finalised at this stage, the capacity and pump rate will be revised upon receiving instruction from client. Item with ** are base on standard capacity due to actual hold up volume for the process equipment and total piping is unknown at this stage. Should the tank height and volume be increased due to system requirement, our quoted price shall subject to VO.

4.0 Completion Schedule

4.1 Complete ex-factory

3 months
: ~~2-4~~ months from date of signing of contract agreement, receiving of non-refundable downpayment and receipt full technical information enabling us to proceed.

4.2 Installation, testing & commissioning

: 2-4 weeks from the date of boiler delivery to site, on condition that chimney height approval is obtained from DOE.

5.0 Payment Terms

5.1 30% Non-Refundable downpayment on signing of contract agreement.

5.2 50% of contract sum upon delivery of boiler to site or within 30 days after written advise of readiness of delivery, whichever occurs first.

5.3 10% of contract sum upon completion of installation at site or **within 30 days after boiler delivery to site**, whichever occurs first.

5.4 5% of contract sum upon testing and commissioning of boiler or **within 14 days after written advise of readiness of commissioning**, whichever occurs first.

5.5 5% Of contract sum retention for 6 months from date of commissioning.

NOTE :

THE BUYERS SHALL AGREE AND BE LIABLE TO MAKE PAYMENT TO THE SELLERS STRICTLY IN ACCORDANCE WITH THESE TERMS OF PAYMENT.

IF BUYERS FAIL TO PAY THE SELLERS AS PER TERMS OF PAYMENT OR COMMIT ANY BREACH OF THE CONTRACT AGREEMENT, THE SELLERS RESERVE THE RIGHT TO REFUSE DELIVERY AND/OR STOP WORK WITHOUT PREJUDICE TO ANY OTHER RIGHTS IT MAY HAVE THEREUNDER OR IN LAW.

6.0 Exclusion

- 6.1 All civil and foundation works.
- 6.2 Free and direct access to boilerhouse, costs to dismantle and make good of any existing pipework, structure, obstructive objects and adequate security storage area.
- 6.3 Incoming electrical supply to the boiler house distribution board , starter board, boiler control panel and all cable tray, conduit wiring works at site.
- 6.4 All control/instrumentation wiring to and from data acquisition system.
- 6.5 Electricity, water, compressed air and fuel supply for boiler hydrostatic testing and commissioning/temporary during installation.
- 6.6 Any NDT or mechanical testing on vessel, tank, structure, chimney and any items/material/works not specifically mentioned herein.
- 6.7 Water sampling cooler, chemicals for boiling out, water treatment, test kit for water treatment and flue gas analysis.
- 6.8 Explosion proof on motors, valves, fittings, standard accessories, etc.
- 6.9 Blowdown tank, blowdown pit and blowdown pit cover.
- 6.10 LPG/LNG/CNG/NG storage vessel, pressure reducing station, pipeline and fittings to burner.
- 6.11 Air blower set, Flexible shaft machine and accessories for cleaning boiler tubes.
- 6.12 Smoke density meter and recorder, if required by Dept of Environment.
- 6.13 Expansion tank.
- 6.14 Daily fuel tank and oil piping to daily fuel tank.
- 6.15 Fuel oil storage/skid tank.
- 6.16 Rotary fuel transfer pump.
- 6.17 Fuel oil ring main system.
- 6.18 Incoming compressed air supply to Three Way Control Valve
- 6.19 Associated pipeworks and fittings :-
fuel oil supply pipe.
- 6.20 For export :-
Crating, packing, crange and transport to port, insurance, sea freight.
Port clearance, handling, import charges.
Air fare, food, lodging and local inland transport to foreign site [outside West Malaysia].
- 6.21 **Monthly servicing on equipment/piping, etc.**
- 6.22 **Any other items/material/works not specifically mentioned herein.**

7.0 Termination Points

- 7.1 Drain : at nearest drain
- 7.2 Electricity : at boiler's control panel.
- 7.3 Fuel : at burner inlet connection. (gas inlet pressure <200mbar)
- 7.4 Feedwater : at softener inlet connection
- 7.5 Flue gas : at chimney outlet connection.
- 7.6 Relief valve : 1m outside boilerhouse, through roof or sidewall.
- 7.7 Hot water : at primary loop
- 7.8 Compressed air : at control valve positioner inlet connection.



km

577/BP/04

Performance Test

Mechmar shall carry out a performance test on the boiler to prove that the system is able to perform within its rated efficiency provided the following conditions are fulfilled.

- 1) During the test, the boiler must be operating at MCR (20 MBtu/hr) :-
 - a) continuously for 3 hours
 - b) maximum boiler outlet temperature of 120°C and inlet temperature of 95°C
 - c) Temperature difference of 25°C
 - d) Boiler water TDS of 3500 ppm (max)

- 2) The full heat load generated by the boiler must be FULLY discharged.

