

PROJECT Ne. 3026/PM/PG/Q1212

Under this project HOVIB was contributing to the construction of:

- one dormitory unit complete with en-suite boarding

master's house and three staff houses.

- one classroom block

The estimates for the above project were based on 1978 prices,

an allowance for inflation of 20% was made.

Due to the prevailing difficult economic situation in Tanzania the

buildings were only completed in 1981. The inflation rate during

the period 1979 - 1981 was at approximately 25% per year.

The contribution from HOVIB therefore covered only the following:

ONE DORMITORY UNIT 5 778 159.\$

excluding staff

housing and boarding

master's house

ONE CLASSROOM BLOCK 1 008 719.-

6 786 8780'.

For detailed accounts see attached bills of quantities.

DORHITORY UNIT
BILLS OF QUANTITIE
SUMMARY

2

BILL NO. PAGE DESCRIPTION

cemrn HALL

DORHITORY BLOCK ,

DORHITORY BLODK

OUTHOUSE

COVERED WALKS

GENERAL WORKS

QUAKTITY

AMOUNT

1289 159.-

2669 758.-

1339 530.-

179 508.-

221 407.-

79 017.-

5 778 159.-

-- 1
DOREITORY URI? - COMMUNITY HALL
BILLS OF QUANTITIES
SUHMA Y
BILL NØ. PAGE DESCRIPTION QUANTITY AMOUNT
1 CONCRETE & RELATE. 459 551.-
WORKS ,
2 SOFTVOOD & RELATED 166 778.-
WORKS
3 JP'S BUILT -IH 7 561 040.-
NITURE
4 SANITARYUARE & 39 073.-
PLUMBING
5 LOCKS & IRONMOHGEi' 9 741.-
6 SUNDRIES 2 685.-
i ELECTRICAL WORKS 70 286.-
& FITTINGS
TOTAL HS! 1 239 159.-
'k .-_._./'

--2

DORHITORY UNIT - COMMUNITY HALL

W

1Tb; A

1.0

DESCRIPTION QUANTITY UNIT RATE

CONCRETE & RELATED WORK-

ement

sand

peagravel

hardcore

H! steel, # 12 an

H! steel, 5 6 ma

veldnesh

red bricks

:nti-tormite treatment

(snperdeal)

bitumen paper

brackfiller

white cement

lino

TOTAL BUILDING MATERIAL'

25\$ LABOU: cosr

CARRIED FORWARD TOTAL BUI'J'NG 003:

TO PAGE 1

amoumr

e33

187 392.-

18 200.-

42 000.-

21 600.-

25 425.-

5 see.-

5 677.50

35 600.-

4 300.-

4 854.30

900.-

732.-

900.-

351640.80

87 910.20

439 551.-

DORHITORI UNIT - COMMUNITY HALL

m

1T5: A

2.0

DESCRIPTION QUANTITY UNIT RATE &&OUHT

1" x 2" 366.-

Price as 1" I 5' 728' "

per 1/5/34 1 1 4' 17 617.-

Ex-Horogoro

Branch 1! z I" 7 600.-

1?" x 6 6 279.-

13' x 8 9 100.-

2 x 2 24 300.-

2 x 4 8 505.-

2 x 5 41 040.-

2 x 6 5 276.-

nails 2 970.-

ANCEOR IRON, 50:50:500 990.80

ROLES, t" 1175 an 990.-

BOLTS, t" x 150 n- 2 227.50

WLSHERS,,SO x 50 x 5 II 2 080.-

BULLDOGS? ,6 62 an imp. 3 600.-

COFFEE TRAY HIRE imp. 1 944.25

ROOFING WIRE 400.-

:IILDING HA'ERIALS : 133 422.45

LABOUR cos 55 355-55

I

CARRIED FORWARD TO TOTAL BUI 'ING COST : 166 778.-

PAGE 1

DORHITORY UNIT - COMMUNITY HALL

W

TEN

3.0

DBSCRIPTION QUANTITY UNIT RATE nxovmm

TS?

JOINERS PARTS & BUILT-

IN FURNITURE

WINDOW, JP

JP

JP

JP

JP

JP

JP

JP

JP

JP

JP

J-b

TOTAL OF JP'S

25% LABOUR COST ON BUI

240.

650.-

750.

400.-

575--

2800'

CUPBOARD WALL

STAGE

DINING ROOM TABLES

DINING ROOM CHAIRS

BOX SHELVES FOR VEGE-

TABLES (2.52)

SEELVES (in roan 72.50)

DESK

COUNTER

HOOD

140.

445.

330--

250.

CARRIED FORWARD TO PAGE 1 - 561 040.-

DORHITORY UNIT - GOHHUFITY HALL

W

I22. DESCRIPTION QUANTITY UNIT RATE A&OUNT specuqc-

SAHITARI & PLUMBING

WORKS

4.00

s/s SCULLERY SINK, con-

plete WITH WASTE VALVE

687 155.012 MIXER BAT!-

ERY ETC.

g" HOSETAP 577.30

% Automatic TAPS 12 162.60

ASBESTOS WISH TROUGHS 5 400.-

G/S PIPES 496.-

206.51

544.25

920.-

99

GATE VALVES 184.80

125.60

T - PIECES 120.50

135.-

176.25

688.-

18.50

1790"

375.-

118.-

2100-

1 5000-

3 217.40

TOQAL BUI ?ING MAT IIALS

25% LABOI: 7 815.50

CARRIED FORWARD TO

PAGE 1

DORMITORY UNIT - DINING HALL etc.
 W
 DESCRIPTION QUANTITY UNIT RATE 5%2ENT SPECIFICATIO
 HINGES
 REVOLVING DOOR HINGES
 1 454.40 03.1062.52
 283.30 03.2005.32an
 387.20 03.2015.szzn
 243.90 09.1005.52#\$
 959.20
 TOWERJBOLTSZl comp.withsc ew 6
 DOOR CLOSERS " " 8
 90.90 56.3501.32&5
 16.15
 BOX OF SCREWS
 " " DOOR CLSER
 TOTAL MA ERIAIS
 25% LABOK
 CARRIED FORWARD TOTAL 24_--CO
 LOUVRE FRAMES
 noon STOPPER " " 10 140.-
 DOOR KEEPERS 4 207.40
 BOX OF SCREWS (towerbol s) 1 10.25
 6
 1
 7 792.70
 1 948.30
 LOUVRE GLRSS BLADES
 GAUZE WIRE
 ROOFING SHEETS
 DRIVE SCREWS
 WOODWOOL CEMENT SLAB
 FLOOR TILES
 ALL TILES
 PAINT
 - EMULSION UNDERCOAT
 - EMULSION FINISH
 - OIL UNDERCOAT
 1 OIL RINISH
 PINBOARD CUPBOARD, PLEXI L.
 120 x 200 cm
 .TOTAL MATDR L COST
 25% LABOUR osm
 '22 242.25
 55 560.75
 CARRIED FORWARD TB PAGE TOTAL COS : '77 803.-
 1

DORMITORY UNIT - BLOCK 4

ITEM

1.0

.1

DESCRIPTION QUANTITY

EXCAVATION OF FOUNDATIONS

AND BACKFILLING BEFORE

HARDCORE

TRENCH AT GABLES

BOTTOM WIDTH 45 cm 20

TRENCHES, BOTTOM WIDTH 240

35 cm

EXCAVATION FOR FOUNDATION

BLOCKS 22

BACKFILLING OF SELECTED

MATERIAL BEFORE HARDCORE: 665

APPR. 5 on

TO PAGE 1

UNIT RATE

m 550

m 40.-

m3 730'

m2 10.-

AMOUNT

TSH

1 100.-

9 6000'

1 6060

6 650.-

8 956.-

DORMITORY UNIT - DINING HALL

aun-uaun-uuu---.-'---n---'---

DESCRIPTION

ELECTRICAL WORKS

BULKHEAD

.FLOURESCENT LIGHT? sin -

FLOURESCENT LIGHT, douule

SOCKET, SWITCHED 13amo

N N 15am.

COOKER CONTROL UNIT

SWITCH 1x1

" 1x2

" 2:2

" W. INDICATOR

TELEFON OUTLET

ELECTRIC CLOCK

EMERGENCY LIGHT

SQUARE BOX

ROUND BOX

PVC PIPE 20 mm

INSTALLATION WIRE 1. 5mm

n u 2.5mm

LIGHT CABLE 5x1.5

BULB 100 w,

TO PAGE 1

QUANTITY UNIT mm mower

15 5 225.-

55 '9 150.-

6 3 9900"

13 4290-

9 531.-

3 570--

12 168.-

7 1260-

1 30.-

4 204'."

1 140'

1 498.-

8 0 368.-

55 5940'

290 1 4500'

500 2 000.-

1000 800.-

600 " 720.-

130 962.-

nm4ow . J4003h

MATERIAL COST: .6 229.-

25% LABO : 4 057.-

BUILDING IOST: '0 286.-

DORMITORY UNIT - ONE DORMITORY BLOCK
as J_or 2
BILLS OF QUANTITIES No. 2
SUMMARY
BILL NO.
PAGE DESCRIPTION QUANTITY
11 THENCE EXCAVATION
& BACKFILLING
12 CONCRETE & RELATED
WORKS
13 SOFTWOOD & RELATED
WORKS
14 JP'S, FURNITURE &
FITTINGS
15 PLUMBING & SANITARY
WARE
17 LOCKS & IRONMONGER
17 SUNDRY IMPORTED
MATERIALS
19 ELECTRICAL MATERIALS
AMOUNT
16 258.-
386 50101
114 4470-
569 3000'
62 953.-
8 132.-
175 666.-
18 070.-
1 351 127.-

---10

DORMITORY UNIT - DORMITORY BLOCK 2

BILLS OF QUANTITIES No. 3

BILL NO.

PAGE

"k V-"J'

11

12

15

14

16

17

18

19

DESCRIPTION QUANTITY

TREINH EXCAVATION

& BACKFILLING

CONCRETE & RELATED

WORKS

SOFTWOOD & RELATED

WORKS

JP'S, FURNITURE

& FITTINGS

PLUMBING & SANITAW'

WARE

LOCKS & IRONMONGE%1

SUNDRY IMPORTED

MATERIALS

ELECTIICAL MATERIAIS

AMOUHT

16 258.-

386 301.-

114 4470'

569 500.-

62 712.1

8 152.-

180 568.-

18 07001

1 355 788.-

--11

W as all

ITEM nascnxpmxom QUANTITY

1.0 EXCAVATION OF FOUNDATIO

1.1

1.2

TRENCHES AND BACKFILLING

BEFORE HARDCORE

TRENCHES AT GABLES, BOTTOM

WIDTH 45 cm

TRENCH AT ABLUTION BLOC(

WIDTH 40 cm

ALL OTHER TRENCHES,

WIDTH 35 cm

BACKFILLING OF SELECTED

MATERIAL APPR. 5 cm

TO PAGE 9

N

23

19

240

450

10

UNIT

KMOURT

TS-

1 265.-

89501

B 600.-

500.-

16 256.-

DORMITORY UNIT - ONE DORMIIR! BEQK as all
ITEM

2.0

DESCRIPTION

CONCRETE RELATED WORKS

CEMENT

SAND

PEAGRAVEL

HARDCORE

RED BRICKS

LIME

WHITE CEMENT

HT STEEL 1 12 mm

HT STEEL 1 6 mm

WELDMESH

ANTI TERMITE TREATMENT

BITUMEN PAPER

CRACKFILLER

CARRIED FORWARD

PAGE 9, 10

QUANTITY UNIT RATE amount

T83

1920 187

270 18

107 29

80 14

5500 pieces 33

20 bags 1

10 bags 4

400 6

550 1

15 2

20 3

75 6

30 1

BUILDING MATERIALS 309

25% LABOUR 77

386

59201

900.-

960.-A

400.-

000.-

800.-

464.-

780.-

705.-

838.75

200.-

251.25

550.-

041.-

260.-

301.-

---13

DORMITORY UNIT - ONE DORMITORY block as all
M

ITEM DESCRIPTION QUANTITY UNIT RATE i&gng

3.00 TREATED SOFTWOOD &
RELATED MATERIALS

3.1 'TREATED SOFTWOOD 1

1 x 2 150,- m 915.-

1 x 3 100.- m 910.-

1 x 4 800,- m 9 720.-

1 x 5 170.- m 2 584.-

1% x 8 180.- m 6 552.-

2 x 2 2000 m 24 300.-

2 x a 600 m 14 580.-

2 x 5 600 m 18 240.8

3.2 RELATED MATERIALS

NAILS 90 2 970.-

ANCHOR IRON 50x50x500 14 549.50

50x50x700 6 210.-

BOLTS %" x 175mm 40 990.-

WASHERS 50x50x5 mm 100 800.-

ROOFING WIRE 100 200.4

COFFEE TRAY WIRE 50 2 777.50

MATERI L cosm: 91 557.80

25% LABOI: 22 889.20

TO PAGE 9, 10 BUILDING OOST : . 114 447.00

DORMITORY UNIT - ONE DORMITORY BLOCK, for all
 M
 DESCRIPTION QUANTITY UNIT AMOUNT
 . TSH
 JP'S BUILT-IN FURNITURE
 JP'S
 INDOWS:
 TOTAL JP'S
 25% LABOUR COST
 BUILT-IN FURNITURE
 N
 MOKGONOVON-h
 BUNKERBED
 ARDROBE - 6 SECTION
 ARDROBE - 3 SECTION
 UPBOARD - 8 SECTION
 BENCH - FIXED TO WALL
 CLOTHES RACK
 'ELMET, 1.20m long
 --I
 25% LABOUR COST
 FURNITURE
 CHAIR
 TABLE, 180 cm
 TABLE, 130 cm
 SHELF
 CARRIED FORWARD TO TOTAL

DOBITORY UNIT - ONE DORMITORY BLOCK

W

as g or 2

ESCRPTIONE

CLOSET MAKE !ABABIA'

OCLOSET CONNECTIONS & AL

:CESSORIES

s/s URINALS

:UTOMATIC FLUSH CISTERN

s03 WASHROUGH WITH

OAPTRAY

. " HOSETAP

: " STANDARD TAP

:UTOMATIC TAP, blue onl

; " SHOWERHEAD

PIPECLAMPS

./s FLOORWASTE

./s MIRROR

LAZED SOAPCUPS

. STOP VALVES FOR SHOWER-

'OSEPIPE, 50 m

s PIPE

3 3 3 3

n

. -

ELBOWS

A _L

No: NIH tabby .skknob-t

.L-A

N \$P :

:

T-PIECE

kw

1"

A

\$w

:

CROSS PIECE 1"

1%"

GATE VALVE 1%"

GULLEY TRAPS

SOCKETS

IAN HOLE COVER

TO PAGE 9

QUANTITY

l. '

00IU IO

N

00 00 ON V) K; 00 -A (F 0!

20

25

20

30

20

10

10

10

19

10

10

40

No

H

N

:0 58555

. .

0-

3

UNIT

'3

' '30"

RATE A&OUNT
MATE'IAL COST :
2 % 0B0UR CO'T:
00
1505.- 9 030.-
430' 2580'
3595.- 7 186.-
2711.- 16 266.-
79.50 238.50
41.- 246.-
3430' 4 116.-
45.20 271.20
4.35 52.20
272,- 2 448.-
387.- 2 322.-
45.40 272.40
28.. 168.i
367.50 367.50
9.9' 198.-
11.5 250.-
15-55 588.75
20.65 413.-
24.80 49.60
4.30 129.-
5.90 118.-
9.10 91.-
414.45 144.50
8.60 86.-
11.75 176.25
13.50 135.-
18.30 185.-
2400 1250"
92040 92.40
500;- 1 000.-
8060 3440'
804.35 3 214.40
50 362.70
02 '0. 0
62 9550'
BUILDING COST:

WM
DORMITORY UNIT - DORMITORY BLOCK 2
W
ITEM
5.
DESCRIPTIOE QUANTITY UNIT RATE A&ggNT
PLUMBING & SANITARYWARE
s/s MINOR SINK 2 No's 640.75 1 281.50
CLOSET MAKE 3ARABIA' 8 He's 1504.- 12 052.-
CLOSET CONNECTIONS & 8 " 43.- 544,-
ACCESSORIES
s/s WASHTROUGH WITH 304' 6 " 2711.- 16 266.-
TRAY
PEDAL WASTE BIN 9 " 291.50 2 625.50
.3" HOSETAP 3 " 79.50 258.50
in STANDARD TAP 6 " 41.- 246.-
AUTOMATIC TAP 12 " 345.- 4 116.-
%" SHOWEBHEAD 6 " 45.20 271.20
PIPECLAMPS 12 " 4.551 52.20
s/s FLOBRWASTE 9 1 9 272.- 2 448.-
s/s MIRROR 6 " 587.- 2 522.-
GLAZED SOAPCUP 6 " 45.40 272.40
%" STOP VALVES FOR SEC 8 6 " 28.- 168.-
POSEPIPE 50 m 1 " 567.50 6 . 0
43 043-80
s STEEL PIPE %" 20 m 2?
%" 20 m
1" 25 m
1%" 20 m
1%" 2 m
ELBOWS %" 30 Ho's Q0
fig. 20 n W
1" 10 "
T-PIECE %" 10 " GET
1" 15 "
1%" 10 " ' U
IROSS PIECE 1" 10 " 1 y
. 1%" 5 " m
GATE VALVE 1%" 1 "
SOCKETS 40 "
GULLEY TRAPS 2 "
MANHOLE COVER 4 n
MATERIAL COST: 50 169.70
2 a 4:008 COST: 12 12. 0
TO PAGE 10 BUILDING COST . 62 542.-

---17

DORMITORY UNIT - ONE DORMITORY BLOCK as all 6, as 1 & jifbr item 7

W

ITEM

6.00

7.00

A&OUNT

TSH

DESCRIPTION QUANTITY

TOILET DOOR LOCKS, wit 2 235.60

screws

DOOR HANDLE FOR TOILET

.SET OF SELF-LOCKING 598.20

HINGES 727.20

BOX OF SCREWS 45,45

HINGES 153.50

BOX OF SCREWS 45.45

MORTIUE LOCK, COMPLETE 365,-

with doorhandles etc.

REVOLVING DOOR HINGES 131.90 1 055.20

BOX OF SCREWS ' 14.45

364.-

01.60

6 505. 75

1 626. 2

SUNDRY IMPORTED ITEMS

LOUVRE FRAMES, in pairs

LOUVRE GLASS BLADES

GAUZE WIRE

ROOFING SHEETS 650 cm

" " ridge

DRIVE SCREWS

CEILING BOARDS

PAINT

- EMULSION UNDERCOAT

- EMULSION FINISH

OIL UNDERCOAT

& OIL FINISH

PINBOARD MAKE 'BORK'

PINBOARD CUPBOARD WITH

296.-

1 037.50

4 150.-

1 160.-

CARRIED FORWARD TO TOTAL COST:

PAGE 9

---18 . V . , . ' / - . . . _
DORMITORY KNIT - DORMITORY BLOCK

W

ITEM DESCRIPTION QUANTITY UNIT RATE AMOUNT

i

7.0 SUNDRY IMPORTED MATERIAZs

- BLOCKS 2 ONLY

, LOUVRE FRAMES, 9 blades 6 372.-

LOUVRE GLASS BLADES 50" 6 560.--

GAUZE WIRE 2 266.-

ROOFING SHEET, 630 cm 1 292.-

700 cm 5 880.-

rigge 3 575.-

DRIVE SCREWS 5 200.-

CEILING BOARDS

PAINT

- EMULSION UNDERCOAT 1 057.50

-EMULSION FINISH 4 150.-

- OIL UNDERCOAT 1 160.-

- OIL, FINISH 4 640.-

PINBOARD MAKE 'BORK' 2 892.-

PINBOARD CUPBOARD, PLEX 2152.- 2 132.-

GLASS

TOTAL m RIALS : 144 454.50

25% LABOU COST: 36 115.50

BOST: 180 568.-

CARRIED FORWARD TO PAGE 10. TOTAL

---19
 DORMITORY BLOCK , all
 M
 ITEM
 8.0
 DESCRIPTION
 ELECTRICAL WORKS
 DISTRIBUTION BOARD 9-
 WAY (CONSUMER UNIT)
 'MCB (CIRCUIT BRAKER)
 10 AMP
 30 AMP
 EARTH-LEAKAGE CIRCUIT
 BRAKER 60 AMP
 STRAIGHT BATTEN HOLDERS
 LAMP HOLDER
 CELING ROSE
 FLOURESCENT 65 WATT
 BULKHEAD
 SOCKET, 13 AMP
 " 15 Amp
 SWITCHES 1x1 WAY
 " 2x2 "
 BULB
 PVC PIPES 20 mm
 INSTALLATION WIRE
 n n
 ROUND BOXES (PVC)
 SQUARE BOXES
 3 x 1.5 LIGHT CABLE
 TO PAGE 9/10
 QUANTITY UNIT
 500
 400
 300
 100
 40
 100
 BUILDINF COST:
 sue.
 I: r:---.
 &&OURT
 TSH

---20

DORMITORY UNIT - OUTHOUSE
BILLS OF QUANTITIES NO. 4
SUMMARY

BILL NO. FAG

.U-"A .

21

21

22

22

23

24

24

25

1?)

DESCRIPTION QUANTITY

TRENCH EXCAVATION

& BACKFILLING 1

CONCRETE & RELATED

WORKS

SOFTWOOD & RELATED

WORKS

JP'S & FITTINGS

PLUMBING & SANITAR

WARE .

LOCKS & IRONMONGER'

SUNDRY IMPORTED

ITEMS

ELECTRICAL MATERIA S

AMOUNT

3 310.-

61 924.-

7 329.-

79 500.-

5 1630-

2 1840'

17 302.-

5 906.1

182 618.-

DORMITORY UNIT - OUTHOUSE

W

ITEM

1.

1.1

1.2

2.0

DESCRIPTION QUANTITY RATE K&OUET

?SH

THENCE EXCAVATION &

BACKFILLING BEFORE

HARDCORE

TRENCHES, with 35 cm 2 040.-

EXCAVATION IN EXCESS OF 630.-

TRENCH WIDTH

BACKFILLING OF SELECTED 640.-

MATERIAL APPRf 5 cm

TO PAGE 20 5.310.-

CONCRETE AND RELATED W01tS

CEMENT, in 50kg bags 560

SAND 52

'EAGRAVEL 14

H:RDCORE 8

am STEEL 1 12 mm 100

um STEEL 1 6 mm 120

ELDMESH 1

'NTI-TERMITE TREATMENT 2

BITUMEN PAPER 25

RACK FILLER 4

JHITE CEMENT 2

:IME

MATERIAL O'ST:

25% LABOUR cosw:

T0?PAGE 20 BUILDING C"ST:

---22

DORMITORY UNIT - OUTHOUSE

W

ITEM

3.0

3.1

3-2

4.2

DESCRIPTION QUANTITY UNIT RATE A&EEHT

SOFTWOOD & RELAT'D WORK

TREATED SOFTWOOD 1x1 152.50

1X3 91.-

115 504.1

'1% $\times$ 8 910.-

2x2 1 275.75

2X4 4860'

2x5 ' 128.-

RELATED MATERIALS

FOOFING WIRE

MATERIAL

TO PAGE 20 BUILDING

JP'S, FURNITURE & FIT-

TINGS,

JP'S JP 102

JP 16

WF 24.2.4

JUNK)

BUILT-IN FURNITURE

S-UNIT LOCKER

SHELF-UNIT A

SHELF-UNIT 3

WW4

TO PAGE 20 ' BUILDIN cos'r:

DORMITORY UNIT - OUTHOUSE

W

ITEM

5-0

DESCRIPTION QHANTITY UNIT RATE A&OUNT
TSH

PLUMBING & SANITARY WA'

SANITARY WARE

CLOSET MAKE ARABIA 1 054.-

CLOSET CONNECTIONS & AL 43.-

ACCESSORIES

HANDBASIN 'CARESSA' 536.-

CHROME TAP 159.-

3" HOSETAP 159.-

5" STANDARD TAP 41.-

g" SHOWERHEAD 4 STOPVAL . 75.20

PIPECLAMPS 8.70

./s FLOORWASTE 544.0

3/3 MIRROR 587.-

HOSEPIPE 22.05

GLAZED SOAPCUP 45.40

PLUMBING

GS PIPE 1" 435.40

%M 231.-

5" 99.-

ELBOWs 1" 56.40

3%" 59.-

3" 60.20

T-PIECE %" 54.40

SOCKET %" 24.50

GATE VALVE g" 23.-

MATERIAL - 4 150.25

25 % LABOH' - 1 032.75

TO PAGE 20 BUILDING C0-T: 5 163.-

---24

DORMITORY UNIT - OUTHOUSE

1tb DESCRIPTION QUANTITY UNIT RATE AMOUE

TSH

6.0 LOCKS & IRONMONGERY

TOILET DOOR LOCK 745.20

MORTICE LOCK, complete 255.--

SET OF SELF LOCKING 199. 40

HINGES

HINGES 03.1062.32 363.60

BOX OF SCREWS 30.50

112.-

HOOKS, complete with " 41.80

TO PAGE 20

7.0 SUNDRY IMPORTED ITEMS

LOUVRE FRAMES, 4 blade 2

LOUVRE GLASS BLADE, 24" 10

GAUZE WIRE 10

ROOFING SHEETS 800 cm 12

"RIVE SCREWS 400

PAINT

EIULSION UNDERCOAT 5

EMULSION FINISH 25

OIL UNDERCOAT 5

OIL FINISH 25

TO PAGE 20 BUILDING CUST : 17 302.-

---25

DORMITORY UNIT - OUTHOUSE

ITEM DESCRIPTION QUANTITY

8 ELECTRICAL MATERIAL

D/B 6 WAY 1

103 5 AMP 4

30 " 2

ELCB 1

STRAIGHT BATTEN HOLDER 5

:ULKHEAD FITTING (PHILLIP) 1

SOCKET 13 AMP

SWITCHES 1x1 WAY 7

1'0 PIPE 20 mm 50

BOUND PVC BOXES 20

m AGENCY LIGHT 1

INSTALLATION WIRE 100

n " 30

.QUARE BOXES 10

COMPLETE:

210 days-one ma BULB 16

UNIT

No's

MATERIAL OST :

25% L&BOU' COST

TO PAGE 20 BUILDING CO.T:

TE &&OURT

TSH

33-1

268 -

134:-

1 065.-

170.-

530.-

66.-

98.-

200.-

100.-

1 296.-

50.-

36.-

108.-

160.-

4 72501

1 181.-

5 906.1

DORMITORY UNIT - COVERED WALKS

BILLS OF QUANTITIES

SUMMARY

BILL NO. PAGE DESCRIPTION QUANTITY AMOUNT

27 TRENCH EXCAVATION 9 500.-

& BACKFILLING

27 CONCRETE & RELATED 89 517.-

WORKS

27 SOFTWOOD & RELATED 62 034.-

WORKS

28 ROOFING MATERIALS 66 006.-

28 ELECTRICAL MATERIALS 5 850.-

'30 907.-

--27

DORMITORY UNIT - COVERED WALKS

ITEM

1.0

2.0

3.0

.1

DESCRIPTION . QUANTITY UNIT RATE \$MOUNT

TSH

TRENCH EXCAVATION &

BACKFILLING BEFORE HARD!

'TRENCHES, width 55 cm 7 200.-

2 500.-

TO PAGE 26 MATERI L COST: 71 500.-

CONCRETE & RELATED WORK-

CEMENT, in 50kg bags 41 968.-

SAND 4 200.-

PEAGRAVEL 14 560.-

HARDCORE 7 200.-

HT STEEL, 1 6 mm 186.-

WELDMESH 1 900.-

ANTI-TERMITE TREATMENT 1 600.-

MATERI:L 0032: 71 614.-

25% LA'OUR COST 17 905.-

BUILDI G COST. 89 517.-

SOFTWOOD & RELATED WORK1 '

TO PAGE 26

TREATED SOFTWOOD 1x4 15 m 12.15 182.25

2x4 980 m 24.30 23 814.-

2x5 140 m 30.40 4 256.-

1%18 180 m2 36.40 6 552.-

PLYWOOD 1.5 m 135.; 202.50

P LATED MATERIALS .

ANCHOR IRON 54 No's 55, - 1 890.-

uOLTs \$"x175mm 110 " 24.75 2 722.50

\$"x200mm 110 " 24.19 2 722.50

1ASHERS 450 " a.- 5 600.-

aULLDOG PLATES ; 50 mm 110 " 20.- 2 200.-

'OOFING WIRE 50 m 2.- 100.-

NAILS 42 kg 33.- 1 86.-

MATERIAL COST: 49 627.75

25% LABOUR COST: 12 406.25

TO PAGE 26 BUIEDTNE MATERIAL: 32 034.-

DORMITORY UNIT - COVERED WLLKS

W

ITEM DESCRIPTION QUANTITY UNIT RATE aaoumm

953

4.0 ROOFING MATERIALS

ROOFING SHEETS 220 cm 37 280.-

RIDGE 4 125.-

DRIVE SCREWS 11 400.-

52 805.-

25% LAB'UR COST: 13 201.-

TO PAGE 26 BUILDING COST : 66 006.-

5.0 ELECTRICAL MATERIALS

BULKHEAD 4 860.-

LIGHT CABLE 3 x 1.5 "u' 300 2 220.-

MAT 5 080.-

25')0 I 770.-

TO PAGE 26 BU ! ING CHST: 5 850.-

--_29

DORMITORY UNIT - GENERAL WORKS

BILLS OF QUANTITIES NO- 6

SUMMARY

QUANTITY

BILL NO. PAGE DESCRIPTION

1 30 SITE CLEARANCE &

BULK EARTH WORK.

2 30 KEYSYSTEM COMPLET:

WITH HANDLES, loans

etc.

5 51 INFRASTRUCTURE

(WATER & SEWERAGE

4 51 ELECTRICAL WORKS

u.-._./

ANOUE

167 000'

50 667.-

175 151.-

320 000.-

712 818.-

_ - -50

DORMITORY UNIT - GENERAL WORKS

W

.2

DESCRIPTION QUANTITY UNIT RATE \$MOUHT

SITE CLEARANCE & BULK

EARTHWORK

SITE CLEARANCE

REMOVE ALL LOOSE DEBRIS

& RUBBISH, HEDGES, SCRUB:

INCLUDING GRUBBING UP

ROOTS.

COMPLETE AREA:

24x5.6 x 29x3.6

BULK EARTHWORKS

EXCAVATION TO REMOVE

VEGETABLE SOIL average

150 mm DEPTH, LOAD, HAU

NOT EXCEEDING 500m,

RE-USE

SOILING

EXCAVATE IN SOIL HEAP,

LOAD, HAUL SPREAD ACC.

TO LEVELS, GRADE & REKE

TO PAGE 29

W

COMPLETE KEYSYSTEM FOR

ONE DORMITORY UNIT

LOCKS

CUPBOARD LOCKS

KEYS

HANDLES, etc.

TO PAGE 29

TSH

27 000.-

90 000.-

50 0000"

167 000.-

DORMITORY UNIT - GENERAL WORKS

W

1Tb; DESCRIPTION QHANTITY UNIT RATn higgNT

3.00 INFRASTRUCTURE FOR DORM TORY

.10 SEWER & WATER PIPE SYST M

.11 TRENCHES, BOTTOM WIDTH 59 900.-

600mm DEPTH 0-1.5m

SUPPLY, MOUNT JOIN IN

TRENCH:

.12 WATERPIPES POLYPIPE: 3" 5 225.-

& FITTINGS 2" 3 825.-

? " 6 600.-

GS PIPE:2 1 980.-

PVC FITTINGS: T-PIECE

3" 1 080.-

2" 1 080.-

276.-

caoss - PIECE 1%' 525.-

CONNECTION 1%"PVC/

2" cs 1 000.-

.15 SEWER PIPES POLYPIPE 4" 46 200.-

6" 10 000.-

.14 :NHOLE. WATER 1 4 000.-

SEWER 6001600mm,

DEPTH 05-1,-m 4 000.- 44 000.-

.15 :NHOLE COVERS 9 660.-

TO PAGE 29 175 151.-

4.0 ELECTRICAL WORKS

ELECTRICAL FEEDING CABL

3x150mm2x50 400 m 540.- 216 000.-

2x16mm2 cable :50 m '30.- 4 500.-

4x50mm2 cable 100 m 100.-- 18 000.-

2x35mm2 cable 250 m 70.- 17 500.-

D/B A,B,C 27 120.-

MATER AL COST: 256 000.-

25% LABOUR cosm: 64 000.-

320 000.-