



TOGETHER
for a sustainable future

OCCASION

This publication has been made available to the public on the occasion of the 50th anniversary of the United Nations Industrial Development Organisation.



TOGETHER
for a sustainable future

DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

CONTACT

Please contact publications@unido.org for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at www.unido.org

22609

UNITED REPUBLIC OF TANZANIA

**PRODUCT AND MARKET DEVELOPMENT FOR
SISAL AND HENEQUEN**

PROJECT: PROVISION OF SERVICES AND SUPPLY OF MATERIALS
AND EQUIPMENT

FINANCIER: UNIDO PROJECT NO. XA/RAF/98/613

CLIENT: NATIONAL SISAL RESEARCH PROGRAMME
P.O. BOX 5085
TANGA
TANZANIA

CONSULTANT: UNIDO

FINAL REPORT

PREPARED BY: NAJMI ELECTRICAL & REGRIGERATION COMPANY LIMITED
P.O. BOX 349
TANGA
TANZANIA

FINAL REPORT

Contract No. 99/292/IR was signed between Najmi Electrical and Refrigeration Co. Ltd. and the United Nations Industrial Development Organization on 12th November, 1999.

The works involved in the contract are as follows:

1. Water harvesting system
 1. Fit fascia board to laboratory & green house
 2. Fit Rain Water Gutter to Lab. & Green House
 3. Construct underground storage tank
 4. Construct reinforcement to riser tank and supply Sim tank 5000 ltrs capacity
 5. Lay 42 pipe and construct Gully traps
 6. Build pump house and construct gully traps
2. Supply and install wood lockers in the dressing room of the MTC Laboratory
3. Supply and install wood shelves in the storage room of MTC Laboratory
4. Repair generator and install automatic change over switch
5. Supply and install weld wire mesh and mosquito gauze in the green house

THE UNITED REPUBLIC OF TANZANIA

PRODUCT AND MARKETING DEVELOPMENT FOR
SISAL AND HENEQUEN

PROVISION OF SERVICES AND SUPPLY OF MATERIALS AND EQUIPMENT
AT ARI MLINGANO – TANGA – TANZANIA

FINAL PAYMENT CERTIFICATE

(Certificate No. 2)

Please find attached Invoice No. 00086

Project No. XA/RAF/98/613

UNIDO CONTRACT NO. 99/292/IR

Upon acceptance of Final report

T.SHS.

4,128,320

Details

Contract sum

T.SHS.

8,256,648

Payment Plan:

(a) Upon Signing Contract

T.SHS.

1,651,328

(b) Upon Acceptance of Progress Report

T.SHS.

2,477,000

(c) Upon acceptance of final report

T.SHS.

4,128,320

Now Due

T.SHS.

4,128,320

Signature of Contractor



Signature of Supervisors:

(1) National Project Officer(NPO)



(2) Sisal Co-ordinator (SC)
ARI Mlingano



PROJECT DATE:

EMPLOYER/CLIENT: National Sisal Research Programme

FINANCIER: UNIDO Project No. XA/RAF/98/613
CONTRACT NO. 99/242/1R

CONTRACTOR: Najmi Electrical & Refregeration Co. Ltd.

CONTRACT SUM: URT Shillings 8,256,648

CERTIFIED AMOUNTS

Upon Signature URTS 1,651,328

Upon receipt and acceptance of

Contractors Progress Report 2,477,000

Upon UNIDO's receipt and acceptance

of the Contractor's Final Report 4,128,320

TOTAL T.SHS 8,256,648

1. WATER HARVESTING SYSTEM

ITEM	SCOPE OF WORK PER CONTRACT	PERFORMANCE	CONTRACT VALUE	VALUE OF WORK DONE
1.0	FASCIA BOARD TO LABORATORY & GREEN HOUSE			
1.1.	Supply of Materials 220m soft wood	220m soft wood supplied and installed	88,000	88,000
1.2.	Painting 8m	8m painted	16,000	16,000
	S/TOTAL		104,000	104,000
2.0	RAIN WATER GUTTER TO LABI & GREEN HOUSE			
2.1	Support Brackets 25x2m 25Pcs	Support brackets supplied	150,000	150,000
2.2	Black Sheets 30 Pcs	Not yet supplied	388,000	388,000
	S/TOTAL		538,000	538,000
3.0	UNDERGROUND STORAGE TANK 55,000 Lts.			
3.1	Concrete grade 20 30m ²	Not yet done	310,000	310,000
3.2	Soft Wood 1"x6" 2000ft	Not yet supplied	396,000	396,000
3.3	Soft Wood 2"x4" 200 ft	Not yet supplied	40,000	40,000
3.4	Steel Bars R12 0.2ton	Not yet supplied	90,000	90,000
3.5	Excavation 80m ³	30% completed	64,000	64,000
3.6	Plastering 40m ³	Not yet done	60,000	60,000
	S/TOTAL		960,000	960,000
4.0	REINFORCEMENT RISER TANK PLAT FORM			
4.1	Smitank 5000 ltrs	Not yet supplied	360,000	360,000
4.2	Excavation 5m ³	Completed	4,000	4,000
4.3	Concrete grade 15 0.5m ³	Completed	17,000	17,000
4.4	Steel bars R.6 0.02 ton	Iron bars were supplied	9,000	9,000
4.5	Steel bars R.12 0.9 ton	Iron bars were supplied	40,000	40,000
4.6	Steel bars 16 0.2ton	Iron bars were supplied	90,000	90,000
4.7	Soft wood 1"x6" 600ft	Not yet supplied	120,000	120,000
4.8	Soft wood 2"x4" 120ft	Soft wood 2"x4" supplied	22,000	22,000
4.9	Concrete grade 20 40m ³	Not started	160,000	160,000
	S/TOTAL		822,000	822,000

ITEM	SCOPE OF WORK PER CONTRACT	PERFORMANCE	CONTRACT VALUE	VALUE OF WORK DONE
5.0	PIPE LAYING AND INSPECTION CHAMBER			
5.1	P.V.C 4" 42Pcs	Supplied	200,000	200,000
5.2	G.S. Pipe 1" 15Pcs	Supplied	205,000	205,000
5.3	Gully Trap 4" 10Pcs	Supplied	45,000	45,000
5.4	Concrete grade 15 1.4m	Supplied	49,000	49,000
5.5	Excavation 30m ³	Done	24,000	24,000
5.6	1 HP Water Pump 1 item	Supplied	200,000	200,000
5.7	sand fell 20m ³	Supplied	90,000	90,000
5.8	connections items	Supplied	650,000	650,000
	S/TOTAL		873,000	873,000
6.0	PUMP HOUSE AND GULLY TRAPS CONSTRUCTION			
6.1	Block work 15m ²	Completed	130,000	130,000
6.2	Corr. 1 sheets 4m ²	Supplied	20,000	20,000
6.3	Soft wood 2"x4" 30ft.	Supplied	6,000	6,000
6.4	Concrete grade 20 0m ³	Completed	17,000	17,000
6.5	Plastering 10m ²	Completed	15,000	15,000
6.6	Painting 10m ²	completed	15,000	15,000
	S/TOTAL		230,000	230,000
	GRAND TOTAL		3,527,000	3,527,000

2. SUPPLYING MATERIALS AND FABRICATING LOCKERS, DRESSING ROOM

ITEM	SCOPE OF WORK PER CONTRACT	PERFORMANCE	CONTRACT VALUE	VALUE OF WORK DONE
1.1	Lockers Frame, Hard wood 5"x1"x50ft.	Materials supplied	27,500	27,500
1.2	Partition of Lockers 22"x1"x98ft	Work completed	284,200	284,200
1.3	Door Shutters 22"x1"x40ft	Work completed	116,000	116,000
1.4	Wood Gum 2ltrs.	Materials supplied	3,000	3,000
1.5	Nails 2" 3 kgs	Materials supplied	2,400	2,400
1.6	Nails 2 ½" 3 kgs	Materials supplied	2,400	2,400
1.7	Wood screws 2" x 8Gx2boxes	Materials supplied	3,000	3,000
1.8	Wood Screws ¾ x 4Gx2boxes	Materials supplied	1,840	1,840
1.9	Sand Paper size 120 15Pcs	Materials supplied	12,000	12,000
2.0	Vanish 5Kgs	Materials supplied	9,000	9,000
2.1	Door Locks 10Pcs	Materials supplied	20,000	20,000
2.2	Hinges 10pairs	Materials supplied	5,000	5,000
	TOTAL		486,340	486,340
	Labour charges 20%	Completed	92,268	92,268
	Transport charges	Completed	25,000	25,000
	TOTAL		603,608	603,608

3. SUPPLYING, INSTALLING WOOD SHELVES IN STORE

ITEM	SCOPE OF WORK PER CONTRACT	PERFORMANCE	CONTRACT VALUE	VALUE OF WORK DONE
1.0	4 Shelves each 32"x22"x1" 3Pcs	Materials have been supplied	8,700	8,700
1.1	4 shelves each 456"x22"x1" 38pcs	Materials have been supplied	110,200	110,200
1.2	4 shelves each 592"x22"x1" 35pcs	Materials have been supplied	101,500	101,500
1.3	1 shell 114"x22"x1" 10pcs	Materials have been supplied	29,000	29,000
1.4	Iron Bracket shelf holders 30pcs	Materials have been supplied	15,000	15,000
1.5	Vanish 2 kgs	Materials have been supplied	4,000	4,000
1.6	Nails 3", 2" 3kgs.	Materials have been supplied	2,500	2,500
1.7	Sand Paper 50Pcs	Materials have been supplied	500	500
1.8	Farmica 4Pcs	Materials have been supplied	180,000	180,000
1.9	Pattex Gum 1Ltr.	Materials have been supplied	7,500	7,500
2.0	Labour charges 20%	Materials have been supplied	91,780	91,780
2.1	Transport charges	Materials have been supplied	15,000	15,000
		TOTAL	565,680	565,680

4. SUPPLY AND INSTALLATION OF AMOURED CABLE AND AUTOMATIC CHANGES OVER SWITCH

ITEM	SCOPE OF WORK PER CONTRACT	PERFORMANCE	CONTRACT VALUE	VALUE OF WORK DONE
1.0	Amoured cable 0.3x25mm ² 20mtrs	Cable has been supplied	290,000	290,000
1.1	Digging the trench for new routes	Trench has been dug	35,000	35,000
1.2	Soldering or pressing of 10 cable lugs	Cable lugs not pressed	12,000	12,000
1.3	Cable lugs 10Pcs	Cable lugs supplied	15,000	15,000
1.4	Cable Gand 4Pcs	Cable glands supplied	22,000	22,000
1.5	Cable saddles 2" 20Pcs	Materials supplied	10,000	10,000
1.6	Galvanized Pipe 1 ½" 1Pc	Supplied materials	25,000	25,000
1.7	Earth Plate 1Pc	Material supplied	120,000	120,000
1.8	Earth wire 0 16mm ² 10mtrs	Materials supplied	25,000	25,000
1.9	Automatic Change Over Switch	Not yet supplied	1,800,000	1,800,000
2.0	Transport charges	Supplies transport	20,000	20,000
2.1	Repair of existing switchboard and labour charges	Not yet completed	537,800	537,800
2.2	Repair of Radiator and checking of Engine	Not yet completed	350,000	350,000
		TOTAL	3,261,800	3,261,800

5. **SUPPLYING AND INSTALLING WELD MESH WIRE AND MOSQUITO GAUZE BETWEEN THE ROOF AND THE WALL IN GREEN HOUSE**

ITEM	SCOPE OF WORK PER CONTRACT	PERFORMANCE	CONTRACT VALUE	VALUE OF WORK DONE
1.0	Mosquito Gauze 200 yds	Materials supplied and installed	96,000	96,000
	Weld Mesh Wire yds.	Materials supplied and installed	104,000	104,000
	Timber Frame 2"x2"	Materials supplied and installed	86,800	86,800
	Timber 1 ½"x2"	Materials supplied and installed	62,000	62,000
	S/TOTAL		348,800	348,800
	Labour Charges 20%		69,760	69,760
	Transport Charges		418,560	418,560
			15,000	15,000
	TOTAL		433,560	433,560