

**AGREEMENT BETWEEN THE UNITED STATES OF AMERICA AND  
THE UNITED NATIONS ORGANIZATION CONCERNING THE  
PROVISION OF SERVICES AND COMMODITIES ON A REIMBURSABLE  
BASIS IN SUPPORT OF THE OPERATIONS OF THE UNITED NATIONS  
MISSION IN SUDAN**

**PREAMBLE**

The United States of America and the United Nations Organization, hereinafter referred to as the Parties,

On the part of the United States of America, as represented by the Department of State of the United States of America (hereinafter the "Department of State"), acting under the authority of section 607 of the Foreign Assistance Act of 1961, as amended, and other relevant authority;

On the part of the United Nations Organization, as represented by the United Nations Mission in Sudan (hereinafter "UNMIS") in accordance with United Nations Financial Regulations and Rules and other relevant authority;

Noting United Nations Security Council Resolution 1706 and other relevant resolutions relating to the formation and operations of UNMIS; and

Desiring to establish the terms and conditions for the provision of assistance by the Department of State at the request of the United Nations Organization in support of UNMIS, with all the costs for United Nations Organization requested assistance to be reimbursed to the Department of State by the United Nations Organization;

Have agreed as follows:

**ARTICLE I  
SCOPE OF PROVISION OF SUPPORT**

1. In order to support the United Nations Organization in the operations of UNMIS and in accordance with the terms of this Agreement, the Department of State may, at the written request of the United Nations Organization, provide to the United Nations Organization and to UNMIS the following assistance in support of UNMIS, including the provision of support by UNMIS to the African Union Mission in Sudan (hereinafter "AMIS") in Darfur, pursuant to Security Council resolution 1706 of 31 August 2006 and other support as agreed to by the United States Government and United Nations Organization:

- (a) The services and works described in a task order, dated 20 December 2006, issued by the Department of State pursuant to a contract between the Department of State and PAE, dated 27 May 2003 (hereinafter the "Contract").
- (b) Other, similar types of support services as required.

2. As agreed to by the Parties in writing, other types of assistance in support of UNMIS may be provided by the United States of America on a reimbursable basis in accordance with this Agreement.

3. The Services to be provided shall be in accordance with the Department of State contract with PAE, unless otherwise agreed in writing. The Department of State shall enforce the provisions of the Contract at the written request of the United Nations Organization so that the assistance provided pursuant to this Agreement shall be of equal quality and caliber to that which the Department of State is entitled pursuant to the Contract.

## ARTICLE II SUPPORT PROCEDURES AND REQUIREMENTS

1. Unless the written consent of the United States Government has first been obtained, which shall not be unreasonably withheld, the United Nations Organization shall not use or permit the use of any assistance provided pursuant to this Agreement for purposes other than in support of UNMIS, including the provision of support by UNMIS to AMIS in Darfur, under applicable United Nations Security Council resolutions or other assistance as may be agreed between the Parties consistent with this Agreement, or transfer or permit any officer, employee, or agent of the United Nations Organization to transfer any assistance provided pursuant to this Agreement, by gift, sale, or otherwise except as authorized pursuant to this Agreement and by the United Nations Financial Regulations and Rules.

2. The Parties agree that the authorized users of any assistance provided pursuant to this Agreement shall include all personnel assigned to UNMIS and authorized AMIS personnel.

3. The United Nations Organization shall to the extent of its capacity maintain the security of any assistance provided pursuant to this Agreement and shall provide it substantially the same degree of security protection afforded by the United States Government.

4. The provision of assistance pursuant to this Agreement may be made subject to additional terms and conditions as may be agreed to in individual implementing arrangements, executed in writing between the Parties under this Agreement.

5. The Department of State and the United Nations Organization, including UNMIS, each waives all claims it may have (other than claims associated with the reimbursement for assistance provided hereunder) against the other Party for damage to, or loss or destruction of its property or injury or death to its personnel arising out of activities of the personnel of the other Party pursuant to this Agreement. Claims of third parties filed against the Department of State or the United Nations Organization, including UNMIS, for damages or loss caused by their respective personnel arising from activities under this Agreement shall be resolved by the Party against which such claims are filed in accordance with that Party's applicable laws, rules and regulations.

### **ARTICLE III IMPLEMENTATION**

The Department of State shall implement this Agreement for the United States of America. UNMIS shall implement this Agreement for the United Nations Organization.

### **ARTICLE IV REIMBURSEMENT PROCEDURES**

1. All assistance provided by the Department of State under this Agreement shall be fully reimbursed by the United Nations Organization within the time specified in paragraph 3 of this Article.
2. The cost to be reimbursed by the United Nations Organization shall not exceed the actual cost incurred by the Department of State in providing such assistance. In the event the Department of State recovers funds from its contractors due to overcharging on contracts, or otherwise, the Department of State shall refund to the United Nations Organization any amounts so recovered that are attributable to payments made by the United Nations Organization hereunder.
3. The Department of State shall submit written invoices detailing the costs of the assistance provided under this Agreement to the United Nations Organization. A consolidated Department of State invoice with appropriate supporting documentation shall be submitted on a monthly basis. The United Nations Organization shall pay invoices submitted in U.S. dollars to the Department of State within 60 days after receipt of the invoice submitted in accordance with this Article.

### **ARTICLE V ORDERING AND RECEIPT OF EQUIPMENT, SUPPLIES, AND SERVICES**

1. The provision of assistance under Article I of this Agreement shall be accomplished through a Letter of Assist issued by an authorized United Nations Organization representative in accordance with United Nations procedures and consistent with the terms and conditions of this Agreement.
2. The Letter of Assist shall specify, as necessary, such additional details regarding e.g., receipts, delivery procedures and accounting as shall be agreed upon by the Parties or their representatives in writing prior to the delivery of any assistance, including:
  - (a) the cost or rates for each element of the assistance to be provided under the Letter of Assist; and
  - (b) the coordination mechanisms for ensuring that each element of assistance is satisfactorily delivered to the agreed specification and that cost of each element of assistance is properly documented and accounted for.

3. In the event of any conflict between the terms and conditions of this Agreement and any Letters of Assist or any other request issued by the United Nations, the terms of this Agreement shall be controlling.

**ARTICLE VI  
SETTLEMENT OF DISPUTES**

Any dispute arising under this Agreement shall be resolved through consultations between the Parties to this Agreement or their representatives and shall not be referred to any third party.

**ARTICLE VII**

**ENTRY INTO FORCE, DURATION, AMENDMENT AND TERMINATION**

1. This Agreement shall enter into force upon signature and shall remain in force for a period of 180 days. This Agreement shall apply to assistance provided by the Department of State in accordance with Article I beginning on December 16, 2006.
2. This Agreement may be amended or extended by the written agreement of the Parties and may be terminated by either Party upon 30 days written notification to the other Party.
3. Notwithstanding the termination or expiration of this Agreement, the obligations of the United Nations Organization in accordance with Article IV of this Agreement shall continue to apply, unless otherwise agreed to in writing by the Parties.

DONE at New York, this 26 day of March, 2007, in duplicate.

FOR THE UNITED STATES OF AMERICA:

FOR THE UNITED NATIONS ORGANIZATION



*M Kelly*

**ORDER FOR SUPPLIES OR SERVICES**

**IMPORTANT: Mark all packages and papers with contract and/or order numbers.**

1. DATE OF ORDER 12/20/2006	2. CONTRACT NO. (If any) SLMAQM03C0033-M008	6. SHIP TO: Cynthia Tejan-Cole			
3. ORDER NO. SAQMPD07F0536	4. REQUISITION/REFERENCE NO. 1015-715020	a. NAME OF CONSIGNEE OFFICE OF SUDAN PROGRAMS GROUP (AF/SPG)			
5. ISSUING OFFICE (Address correspondence to) OFFICE OF ACQUISITION MANAGEMENT (A/LM/AQM) PO BOX 9115, ROSSLYN STATION US DEPARTMENT OF STATE ARLINGTON, VA UNITED STATES 22219 Contact: Kelly Bracey Tel: 703-875-6298		b. STREET ADDRESS 2201 C STREET, NW RM 3635		c. CITY WASHINGTON	d. STATE DC
		e. COUNTRY UNITED STATES	f. ZIP CODE 20520	f. SHIP VIA	

7. TO:				8. TYPE OF ORDER	
a. NAME OF CONTRACTOR Stacy du Prez		b. COMPANY NAME PAE GOVERNMENT SVCS INC		<input type="checkbox"/> a. PURCHASE <input type="checkbox"/> b. DELIVERY - Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
c. STREET ADDRESS 888 S FIGUEROA ST. STE 1700,		DUNS No: 809790017		REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY LOS ANGELES	e. STATE CA	e. COUNTRY UNITED STATES	f. ZIP CODE 90017-5468		

9. ACCOUNTING AND APPROPRIATION DATA 1900 - 2006 - 2007 - 1032 - AF - 1015 - - 1015715020 - 6140 - 2554 - - 150200 - -	\$ 3,000,000.00	10. REQUISITIONING OFFICE OFFICE OF SUDAN PROGRAMS GROUP (AF/SPG)
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11. BUSINESS CLASSIFICATION (Check appropriate box(es))			12. F.O.B. POINT Destination		
<input type="checkbox"/> a. SMALL	<input checked="" type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> g. SERVICE DISABLED VETERAN-OWNED		
<input type="checkbox"/> d. WOMEN-OWNED	<input type="checkbox"/> e. HUBZone	<input type="checkbox"/> f. EMERGING SMALL BUSINESS			

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			10 days % 20 days % 30 days % days %

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	SEE LINE ITEM DETAIL					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.		17(h) TOT. (Cont. pages)  17(i) GRAND TOTAL
	21. MAIL INVOICE TO: Trena Diggs				
	a. NAME EXECUTIVE DIRECTOR (AF/EX)				
	b. STREET ADDRESS (or P.O. Box) 2201 C STREET, NW, ATTN: RM 3519				
	c. CITY WASHINGTON	d. STATE DC	e. COUNTRY UNITED STATES	f. ZIP CODE 20520	USD 3,000,000.00 (USD)

22. UNITED STATES OF AMERICA BY (Signature) <i>Kelly Bracey</i>	23. NAME (Typed) Kelly Bracey TITLE: CONTRACTING/ORDERING OFFICER
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**ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION**

PAGE NO.  
2 of 2

**IMPORTANT: Mark all packages and papers with contract and/or order numbers.**

DATE OF ORDER 12/20/2006	CONTRACT NO. SLMAQM03C0033-M008	ORDER NO. SAQMPD07F0536
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ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (Includes Discounts) (f)	QUANTITY ACCEPTED (g)
0001	<p><i>This Task Order confirms the verbal authorization given on December 20, 2006. The Contractor shall provide services to the United Nations in accordance with the attached Statement of Work, the Contractor's attached proposal dated 19 December 2006.</i></p> <p><b>Support to UNMIS</b></p> <p>(United Nations Support Services - Darfur, Sudan) The funding is to be broken out by the following tasks in accordance with the Contractors Proposal dated 19 December 2006: Task A - Cleaning Services - \$180,187.19 Task B - Vehicle Maintenance - \$81,369.43 Task C - Food Services - \$231,983.53 Task D - Hazardous Waste Removal Services - \$48,377.58 Task E - Construction - \$8,819,276.19 Grand Total - \$9,361,193.91</p> <p align="center"> <b>Start Date    End Date    FOB:</b>                      12/20/2006    04/20/2007    Destination                 </p> <p>Reference Requisition: 1015-715020</p> <p>The Contractor shall notify the Government in writing prior to reaching \$2,000,000.00 for further instructions. The Contractor shall submit no invoices and will receive no payment in excess of \$3,000,000.00.</p>	1.00	LT	3,000,000.000	3,000,000.00	

**TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 171)** → USD 3,000,000.00 (USD)

**STATEMENT OF WORK (SOW)**  
**United Nations Support Services**  
**Darfur, Sudan**

**I. SOW INTRODUCTION:**

The purpose of this requirement is for urgent light support of the UNMIS. Please provide a detailed technical and cost proposal by subtasks. The proposal shall reflect a 4 month period of performance with an estimated start date of December 1, 2006. The Government anticipates a Cost-Plus-Fixed-Fee award for this task. The due date for this detailed proposal is Monday, November 27, 2006 at 2:00 p.m. EST. proposals shall be submitted electronically to [braceykm@state.gov](mailto:braceykm@state.gov) and [kosarcem@state.gov](mailto:kosarcem@state.gov). All questions must be submitted to AQM for clarifications/answers.

Summary of Tasks:

- Task A: Cleaning & Maintenance Services
- Task B: Vehicle Maintenance
- Task C: Food Services
- Task D: Hazard Waste Removal Services
- Task E: Construction/Refurbishment

Period of performance for all tasks is date of award (estimated to be 12/1/06) through four (4) months.

**II. INTRODUCTION: TASK A**

2.1 This SOW is for Cleaning Support Services in four camp locations in Darfur (El-Fasher, Nyala, Zalingei and El-Geneina), Sudan, as below:

- (a) Cleaning Services;
- (b) Pest Control Services;
- (c) Ground Maintenance Services; and
- (d) Garbage and Refuse Disposal Services.

2.2 UNMIS estimates that the areas and the number of its personnel at the camp sites and offices are as follows:

2.3 El-Fasher

- (a) MSA Camp Area: Approx. 200 m x 300m, consisting of 110 accommodation containers, 6 ablution units, hard stand area for containers, solid waste disposal point, laundry (21 sq.mtr.), 700 square meter of recreational area, 2 rubhalls (480 sq. mtr), a clinic (42 sq mtr), a kitchen (154 sq mtr), generator and storage area (56 sq mtr), 4 camp services offices (56 sq. mtr.) and a parking area;
- (b) 100 Office Units (1,400 sq. mtr.) within the AMIS HQ;
- (c) Total number of staff: approx. 100 permanent residents and 10 visitors

2.4 Nyala, Zalingei and El-Geneina each:

- (a) MSA Camp Area: Approx. 15,000 sq.mtr, consisting of 25 accommodation containers, 2 ablution units, hard stand area for containers, solid waste disposal point, laundry (21 sq mtr), 200 square meter of recreational area, 1 rubhall (240 sq mtr), a clinic (21 sq. mtr.), generator and storage area (25 sq mtr), 1 camp services office (14 sq mtr) and a parking area;

- (b) 25 Office Units (350 sq. mtr.);
- (c) Total number of staff: approx. 20 permanent residents and 5 visitors

**III. REQUIREMENT: TASK A CLEANING SERVICES:**

- 3. Each subtask listed below shall be on a T&M basis and shall be proposed separately and for each location. Offeror shall indicate the labor categories proposed and number of hour and equipment is applicable. **Specific Areas for Cleaning include:** Toilets, Rest Rooms, Ablution Containers, Hallways and entrances, Offices and Recreation rooms (in hard shelters and prefabricated buildings), Supply and storage rooms.

**Subtask A.1: Floor Cleaning:**

Each camp location shall be proposed separately as follows: Task A.1.1 (El-Fasher), Task A.1.2 (Nyala), Task A.1.3 (Zalingei) and Task A.1.4 (El-Gencina)

- 3.1 Floor cleaning includes: floor spot cleaning, sweeping, damp mopping and wet mopping at the each location.
- 3.2 Emergency/Special Cleaning for special surfaces, such as a Rub-Hall floor; or for clean-up following some type of damage, such as a broken water pipe or leaking roof and cleaning emergencie at each location.
- 3.3 Offeror shall provide all equipment necessary to perform cleaning services at each location.
- 3.4 Many offices and facilities at UNMIS Compounds in Darfur are open seven (7) days a week.

**Subtask A.2 Laundry Services**

Each camp location shall be proposed separately as follows: Task A.2.1 (El-Fasher), Task A.2.2 (Nyala), Task A.2.3 (Zalingei) and Task A.2.4 (El-Geneina)

- 3.1 Provide laundry services for both bulk (ex., bed sheets, pillow covers, towels, blankets...etc) and personal clothing items, it shall include washing, drying, and ironing in such a way to protect the longevity of items. UNMIS will provide a complete laundry facility with washing machines, detergents, irons and iron boards for use at the UNMIS Camps in Darfur

**Subtask A.3 Trash Removal and Cleaning**

Each camp location shall be proposed separately as follows: Task A.3.1 (El-Fasher), Task A.3.2 (Nyala), Task A.3.3 (Zalingei) and Task A.3.4 (El-Gencina)

- 3.1 Offeror shall collect and empty all trash containers that are used to dispose of office trash, including smoking urns, ashtrays, or other smoking disposal containers. Trash containers are to be emptied and cleaned.

**Subtask A.4 Lavatories**

Each camp location shall be proposed separately as follows: Task A.4.1 (El-Fasher), Task A.4.2 (Nyala), Task A.4.3 (Zalingei) and Task A.4.4 (El-Gencina)

- 3.1 Cleaning of urinals, toilets, wash basins, sinks, showers, walls, door, partitions and all other areas of the lavatories as required.

**Subtask A.5 Pest Control Services**

Each camp location shall be proposed separately as follows: Task A.5.1 (El-Fasher), Task A.5.2 (Nyala), Task A.5.3 (Zalingei) and Task A.5.4 (El-Geneina)

3.1 Execute a Pest Control Plan for all locations that will include but not be limited to the following:

- 3.1.1.1 Vector source reduction strategies.
- 3.1.1.2 List of all spraying equipments, pesticides, and chemicals to be used.
- 3.1.1.3 Frequency of spraying different areas of the Camp.
- 3.1.1.4 Fumigation and sterilization plan and frequency.

3.2 Grounds should be regularly inspected and treated for the prevention of rodents and pests, including rats, snakes and scorpions by a licensed pest control expert.

3.3 Grounds, accommodations, ablutions, common areas shall be regularly sprayed with Mosquito repellent chemicals, without endangering health of personnel and staff of the camps.

**Subtask A.6 Ground Maintenance Services:**

Each camp location shall be proposed separately as follows: Task A.6.1 (El-Fasher), Task A.6.2 (Nyala), Task A.6.3 (Zalingei) and Task A.6.4 (El-Geneina)

3.1 Ground maintenance includes the daily collection and disposal of all garbage found within the grounds of the UNMIS periphery, out to and including the outer fence. Roadways, tarmacs and walkways to be kept clear of stones, pebbles as well as garbage.

**Subtask A.7 Waste Removal Services:**

Each camp location shall be proposed separately as follows: Task A.7.1 (El-Fasher), Task A.7.2 (Nyala), Task A.7.3 (Zalingei) and Task A.7.4 (El-Geneina)

- 3.1 Carry out the following food waste removal services:
  - a. The collection, removal and disposal of food waste from the UNMIS Darfur Camp locations.
  - b. Provide, in all places where food waste is collected, containers of a sufficient quantity of containers, of suitable construction and capacity for the items to be held.
- 3.2 Carry out the following garbage and refuse removal services:
  - a. The collection, removal and disposal of garbage and refuse, including garden waste from the UNMIS Darfur Camp locations.
  - b. Provide, in all places where garbage is collected, containers of sufficient quantity of containers, of suitable construction and capacity for the items to be held.

**REMOVAL PROGRAMME**

**Garbage and Refuse Removal**

**(Daily)**

<b>Location:</b>	<b>Approximate Quantity Cubic meters</b>
<b>El-Fasher</b>	
Offices (expansion of current services to AMIS HQ)	1
MSA Camp	4
<b>Nyala, Zalingei and El-Geneina each</b>	

Offices	0.25
MSA Camp	1

**Food Waste Removal**

(Daily)

<b>Location:</b>	<b>Quantity</b>
	<b>Cubic meters</b>

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El-Fasher	
MSA Camp	3

**IV. REQUIREMENT: TASK B VEHICLE MAINTENANCE:**

- 4.1. Maintenance and repairs shall be based on the Vehicle Maintenance and Repair programme provided by Transport Section UNMIS through its designated officer. The work shall consist of scheduled maintenance programme, unscheduled repairs of breakdown of vehicle components, and other works that may be required for restoration to its original conditions. UNMIS has a fleet that includes the following types of vehicles that may require maintenance and repairs:

Serial	Type of Vehicles
1	<i>Light Vehicles:</i> 4x4, Nissan Patrol Model: TVTSLEFY61NRAY192X Number of Vehicles = 56

- 4.2. Spare parts will be provided by UNMIS.
- 4.3. Vehicles are parked-up in Al Fasher.
- 4.4. **VEHICLE RECOVERY:** The contractor shall provide full vehicle recovery facilities in the Darfur Region for all UNMIS listed vehicles in conjunction with local security guidelines. Recovery is deemed as the collection of UNMIS vehicles from point of breakdown and recovery to the contractor's workshop facility of Al Fasher.

**V. INTRODUCTION TASKL C: FOOD SERVICE**

- 5.1. Cafeteria Services for the feeding of United Nations (UN) Staff in El-Fasher, Darfur seven days per week. Cafeteria Services for UN staff in Nyala, Zalingei, and El-Geneina will be arranged directly by the UN with the AU.
- 5.2. UNMIS estimates that the number of UN staff residing in UNMIS Camps will reach the following numbers:

- El Fasher : 100 persons
- Nyala : 25 persons
- Zalingei: 25 persons
- El-Geneina: 25 persons.

**VI. REQUIREMENT: TASK C FOOD SERVICES**

- 6.1 The United Nations (UNMIS) on completion of the constructed kitchen and dining facilities in El Fasher will provide the necessary kitchen related equipment, including but not limited to the dining facility, serving area, dry and cool storage areas, kitchen area with all the necessary facilities required for the preparation and cooking of food for the purpose described in this requirement. The contractor shall provide cafeteria services, including provision of food.
- 6.2 Pending the supply of the UNMIS kitchen related equipment and contractor-built facilities in El Fasher; the contractor is responsible for providing all cafeteria services, including food, equipment and facilities. It is assumed that the above services will be provided to UNMIS staff through the existing "White-House" facilities until new UNMIS specific facilities are completed.
- 6.3 The meal service hours for the dining facility will be determined in consultation between the USG, UNMIS, and the contractor.

**VII. REQUIREMENT: TASK D HAZARDOUS WASTE REMOVAL SERVICES**

- 7.1 Collection, removal and disposal of hazardous waste, generated by UNMIS from all UNMIS locations in Darfur, Sudan (El Fasher, Nyala, El-Geneina and Zalingei). UNMIS shall provide no assistance, either mechanical or manpower, for the removal of hazardous waste.

**7.2 Types of Hazardous Waste**

- a. Hazardous solid chemical:  
Mainly different types of combustible solids, used textiles, grease, toner, chemicals for water purification and photographic consumables.
- b. Hazardous liquid chemical:  
Mainly different types of Acid, Paint, Varnish, Acetone, White Spirit Aromatic-less, Solvents, Synthetic Liquid for Break Systems, Liquid, Hydraulic and Compressor oil, Freon, used in some older refrigeration units.
- c. Contaminated fuel:  
Mainly diesel or gasoline contaminated by water or solvents.
- d. Used and/or Contaminated oil:  
Used motor oil and/or mineral oils unfit for their originally intended use. Mainly motor and gearbox oil (approximately 90%) contaminated by a mixture of white spirit and acetone (approximately 5%), and hydraulic liquid (approximately 5%).

Note that the specifications concern known contaminants and are approximate. The contaminants and their volumes may vary from time to time.

- e. Contaminated water:  
Waste oils/water, hydrocarbons/water mixtures, emulsions.
- f. Contaminated soil:  
Soil polluted by oil or chemicals.
- g. Oil contaminated solids:  
Rags, Absorbents, Cardboard, Filters, etc
- h. Electronic waste:  
Waste electrical or electronic appliances or assemblies, including printed circuit boards, containing toxic material and/or heavy metal and/or emitting low radiation.
- i. Used battery cells:  
UPS dry battery, unsorted waste batteries, containing material to the extent rendering them hazardous.
- j. Used lead-acid batteries:  
Waste lead-acid batteries, drained/un-drained, whole or crushed.
- k. Hazardous medical waste:  
Clinical and related waste; that is waste, arising from medical, nursing or similar practices and waste generated in clinics during the investigation or treatment of patients.
- l. Outdated drugs:  
Waste pharmaceuticals, drugs and medicines, including sensitive medicines.

Note that the specifications concern known contaminants and are approximate. The contaminants and their volumes may vary from time to time.

### 7.3 Scale of Measurement

Description	Measurement
Hazardous liquid chemical	per litre (lit)
Hazardous solid chemical	per kilogram (kg)
Contaminated fuel	per litre (lit)
Used and/or Contaminated Oils	per litre (lit)
Contaminated water	per cubic meter (m <sup>3</sup> )
Hazardous medical waste	per kg
Outdated drugs (liquid)	per lit

Outdated drugs (solid)	per kg
Contaminated soil (disposed)	per cubic meter (m <sup>3</sup> )
Contaminated soil (recycled in landfill)	per cubic meter (m <sup>3</sup> )
Contaminated soil (treated and replaced)	per cubic meter (m <sup>3</sup> )
Used oil/fuel filters	per piece or per kg
Oil contaminated solids	per kg
Used oil absorbents	per kg
Used lead-acid batteries	per piece
Used battery cells	per kg
Electronic waste	per kg
Limited Technical Assistance & Post Intervention Site Certificate (<or =30M3)	per Site
Extensive Technical Assistance & Post Intervention Site Certificate (>31M3)	per Site

7.4 Quantities cannot be determined by UNMIS and will vary from location to location and from time to time.

#### VIII. REQUIREMENT: TASK E CONSTRUCTION

<u>QUANTITY SURVEY ON PROJECTS TO BE CARRIED OUT FOR AMIS SUPPORT</u>				
ITEM	TASK DESCRIPTION	QTY	UNIT	TECHNICAL SPECIFICATIONS
	<u>AMIS Headquarter Staff Accommodations</u>			
1	Site survey 300x 200m	60,000	Sqm	Measuring and staking of plot boundary, setting out of roads, buildings and all facilities, leveling survey of the plot at suitable grid.
2	Clearing the site 300x 200m	60,000	Sqm	Removal of, shrubs, vegetable soil, insect humps, boulders etc to allow setting out and construction of camp facilities
3	Grading, leveling, and gravelling for the following:			
a	Construct access road 600 x 6m clear driveway	4,800	Sqm	Design and construct an access road with 2m shoulder on each side and a drainage, built out of gravel. Gravel shall be excavated, hauled, spread, moistened, total min 450 mm compacted thickness, 150mm per layer x 3 layers, moistened to OMC and compacted with 10ton roller, adequate no of passes to achieve good compaction. Work inclusive of supply and erection of suitable size corrugated GI culverts for cross drainage. Gravel material to be 0-50mm size, percentage gradation to be suitable for compaction, big boulder to be hand picked and removed. Borrow pit area

				acquisition is UNMIS responsibility.
b	Construct inside compound road 300x 6m clear drive way	11,000	Sqm	Ditto
c	Construct inside road 300x 6m clear drive way	N/a	N/a	Ditto
d	Construct parking area 200x 15	3,000	Sqm	Construct a parking area at the designated site out of gravel of minimum 300mm total thickness, 150 mm per layer, The gravel shall be hauled, spread, moistened to OMC and roller compacted to achieve 80-85% compaction. The rolled surface to provide appropriate slope for rainwater drainage. Borrow pits area acquisition will be responsibility of the contractor, UNMIS will provide supporting role only. gravel material specifications as per item 3.
4	Construct storm drainage system			
a	Construct lined drain	1,000	Lm	The lined drain shall be of a trapezoidal section, 600 mm deep, 600mm bottom, side slope 1.5H to 1V, lined with plain precast concrete slabs 75 mm thick, mortar jointed, without blocking natural drainage pattern. Culvert for road crossing considered under road item.
b	Construct lined drain	540	Lm	Ditto
5	Construct an unlined storm water detention pond 30mx 15mx 3m excavation	1,350	Cum	The unlined pond shall be of a trapezoidal section, 1.5H to 1V side slopes. Excavated material to be used for building compacted berm around the pond or to be used for raising ground as directed by UNMIS.
6	Construct security fence (300+200)mx 2	1,300	Lm	The fence shall be constructed out of chain link wires, 60mm OD, 2 m high metal post max 3 m c/c, Y fork to take 3 lines of barbed wire on each arm, external concertina coil on Y fork, 3 lines of 4 mm straining wire passing through chain link, All secured strongly to the metal pole, 45 deg straining poles at every 10th post and every corners, fence footings to class 15 concrete 300mmx 300mmx600 mm deep in the ground, Ground beam C15 concrete, 150 mm x300 mm flush with ground, in

				accordance with the supplied drawings.
7	Boom gate 6 m	2	ea	The gate shall be constructed /fabricated out of material specified in the supplied drawing. It should be balanced with counterweight to facilitate easy and smooth operation. Concrete footings, to be C20.
7.1	Install swing gate, double leaf, 6 m + pedestrian gate	4	ea	Fabricated, erected in accordance with the attached drawings, attached to the vertical members by heavy duty hinges and locking arrangement to facilitate easy and smooth operation. Concrete footings to be C20.
8	Supply & Install Flood light	10	ea	Flood light ballast in fixture, 230V, 50HZ, IIPS compact heavy duty construction adjustable mounting bracket, horizontal mounting, die-cast aluminum housing and glass front cover, high pressure sodium lamp 400W, IP-66. Supply, erect 10 m tall galvanized steel poles on concrete C20 mix footing, secured with 20mm dia. anchor bolts, power connect, install, test and commission.
9	Construct embankment ( random soil) as per drawing	1,000	Lm	The embankment shall be built out of compacted gravel , excavated, haul led and spread, to form a completed embankment of 1 m height, 3 m, base . top width 1m, 45 Deg slope.
10	Construct concrete pillars (40x 30x 30) cm, for foundation of 150 containers	900	ea	Concrete mix to used to comply with the C20 mix compressive strength.
11	Erect prefabricated living accommodation containers-15 M2 size	110	ea	Prefab containers collected from UNMIS storage yard in Al-Fasher shall be installed on the designated sites and connected to power, tested, commissioned and cleaned.
12	Construct observation tower	6	ea	Construct the structure using the material and other specifications specified in the drawing supplied.
13	Erection of 100 men kitchen (11 x 20'containers)	1	ea	The prefab kitchen shall be collected from UNMIS storage yard in Al-Fasher, erected including the installation of all supplied appliances and accessories, connect power, air conditioners, test, commission and clean.
14	Erect TV room and recreation facility, (5 x 20' prefab container units)	1	ea	Collect containers size prefab units from UNMIS storage yard, do minor repair if any, erect, connect power, test, commission clean.

15	Erection of Laundry facility, prefabricated building 21 M2	1	ea	Collect prefab unit from UNMIS storage yard in Al-Fasher, erect prefab units, install any loose supplied appliances, connect power, air conditioners, test, commission, clean.
16	Construction of bunkers	6	ea	Collect used ISO 20' shipping containers from a designated UNMIS storage yard and Hesko Bastion boxes and construct the bunkers in accordance with working drawings developed based on the conceptual design provided. Power shall be connected to the bunker, tested, and commissioned cleaned and structure.
17	Erection of ablution units with all accessories	7	ea	Collect prefab units from UNMIS storage yard in Al-Fasher, erect, connect water, sewage, electricity, test, commission, and clean.
18	Construct of Septic tank	2	Ea	The tanks shall be built out of concrete blocks in accordance with the details on the drawing supplied. The base and top slab for the tank shall be built out of a C20 concrete mix reinforced by mild steel commensurate with a 100kg/m3 of concrete with compressive strength of 10N/mm2. Interior plaster shall be 12mm thick of 1:3 cement sand mortar.
19	Construct of soak away	2	ea	Constructed in accordance with the details supplied on the drawings. Concrete top slab to class 20, reinforcement content 100 Kg/m3 of concrete, masonry strength 10N/mm2.
20	Design and construct of sewage drainage line (3x 170 m+ 2x 250m ) pipe sizes between 4" with sewage collection tank	1.010	Lm	Design, supply all materials, excavate trench, install, fill, test and commission, minimum 6 bar working pressure rated PVC pipes and fittings, to be fully operational. Sewage pipe to have approx 1% gradient, minimum trench depth to be 600 mm from natural ground, first 300 mm layer of backfill and 300mm above the pipe in the trench shall be filled with selected fine material to avoid puncturing of pipes.
21	Supply and erection of 200-man sewage treatment plant, build treated water storage tank. (Not to be costed unless specifically directed by the USG. UN requirements should be integrated into existing AMIS system for first 4 months, after which point the UN will be responsible for its own support and will purchase and ship the required treatment plant).	1	Ea	Contractor to purchase a 5 cubic metres per hour (5m3/Hr.) peak hour capacity sewage treatment plant, with the load balancing tanks, capable of producing an effluent of 20mg/l of suspended solids and 30mg/l of BOD5. The plant shall be supplied with appropriate spares and consumables for a one year period of operation. The plant shall be transported to Al-Fasher, contractor to build necessary foundations, installed in a designated location, connected to water, sewage lines, power, tested, commissioned and handed over to UNMIS. Construct a reinforced concrete collection tank for effluent water, tank size 3mx3mx3m, under ground, complete with foundation and cover slabs, concrete class C20 with reinforcement 130 Kg/M3 of conc. volume. Pending commissioning of the

				sewage treatment plant, contractor to construct septic tanks and soak-away pits in accordance with the supplied drawing.
22	Installation of two 250 KVA generators with one 5000 lt fuel tank	2	ea	Collect generators from UNMIS storage yard in Al-Fasher, erect, connect power, test, commission, and handover. Supply transport, install, connect and commission fuel tank with calibrated dipstick made of 12 mm metal tube. Fuel tank to be made of steel, primed & painted externally, installed on raised concrete foundations, for gravity flow to day tank.
23	Supply and build generator power houses (reinforced concrete platform (8 mix 6mx 4m high) shed	2	ea	Construct, and fabricate where applicable, install and commission Generator house out of , metal framed shed with concrete footings C20, steel columns and main skeleton w 200x133x21Kg/m, 20 mm anchor bolts, reinforced concrete C20 generator floor R10 bars @ 200 mc/c both ways, necessary cable trenching built with C20 reinforced concrete trench & cover reinforcement 75-100 Kg/M3, perforated brick of block wall, truss work with HS 50x50x3, purlins HS100x50x3 mm, 26 Gauge GI sheet roofing, internal electrical, erect, test, commission.
24	Installation of power lines, to distributing panels to all newly constructed units in the camp ( total package)		Lump sum	Supply and install all cables and components, distribution panels, circuit breakers, deliver to site, install, connect, test and commission and make fully operational as per standard code of practice. The main cables to be under ground, multicore with standard copper conductors, XLPE insulated, steel tape armoured, PVC sheathed. Main and distibution cable size to be enginccred and determined by the contractor, based on camp population, appliances, security lights, water pumps, sewage pumps if any, plus any other load which the design engineer may consider depending on over all loads. External main distribution panel boards to be floor mounted, factory wired, dust proof, vermin proof, 16 guage col rolled steel, main cover, captive fasteners,powder coat finish, insulated copper bus bars, neutral and earthing bus bars, IP65, designed for operating temp up to 85 Deg C, over current and short circuit protection devices to all circuits. The Sub distribution panel shall be mudular type surface mounted, water tight, IP 65, polycarbonate (non metallic) transparent door, with distribution terminal blocks for neutral and earth.
25	Installation of Air Conditioners	150	ea	Collect from UNMIS storage yard in Al-Fasher, install with necessary support, connect power, test, commission.

26	Erection of Rubhall (ware houses)	2	ea	Collect from UNMIS storage yard in Al-Fasher, erect, supply material for floor concrete, mix, pour floor concrete 200 mm thick x 24mx25m total floor area. reinforcement 75Kg/m <sup>3</sup> connect power, test, commission. The installation shall be in accordance with the installation Manual supplied by UNMIS".
27	Construct a reinforced concrete platform for 20 sea containers (20mx 25mx 0.2) as container stand.	600	Sqm	200 mm thick reinforced concrete slab C 20, with 100 KG/m <sup>3</sup> of concrete reinforcement laid on compacted natural gravel base 300 mm thick.
28	Design and construct of two workshops 2 nos 20' containers + open shed 12 mix 6m plan dimension	2	ea	Collect used ISO 20' shipping containers, design and supply all remaining construction materials, such as roof truss, purlin, GI sheets etc to complete the work item, erect, connect power, test, commission clean.
29	Construct of supplementary roofs with steel truss and corrugated iron sheets for following units			Construct or fabricate where applicable, erect supplementary roof based on the conception drawing provided, out of HSS post 75x75x3mm, trusses made of HSS 50x50x3mm, purlins HSS 100x50x3, CGI sheeting 22 gauge. All steel work to be primed and painted 2 coats of oil paint. Concrete foundation C20 plain, with 16 mm anchor bolts 4 per post.
29.1	Clinic: Erect 3 nos 20' office container units plus open shed 12mx14m	1	Lump sum	Ditto
29.2	Camp manager's office: Erect 4 nos 20' office container units plus open shed 10mx10m	1	Lump sum	Ditto
29.3	Supplementary roof to 5 x15 m <sup>2</sup> = 75 M <sup>2</sup> of fitness room	1	Lump sum	Ditto
29.4	Supplementary roof to 5 x15 m <sup>2</sup> = 75 M <sup>2</sup> of PX room	1	Lump sum	Ditto
29.5	Supplementary roof to 5 x15 m <sup>2</sup> = 75 M <sup>2</sup> of TV room	1	Lump sum	Ditto
29.6	Supplementary roof to 11 x15 m <sup>2</sup> = 165 M <sup>2</sup> of Kitchen	1	Lump sum	Ditto
30	Reserved.			Item deleted
31	Reserved.			Item deleted

32	Construct clinic facility consisting of 3 nos 20' container size prefab units	1	ea	Collect from UNMIS storage yard in Al-Fasher, erect prefab units, repair any minor damage, connect power, air conditioners, test, commission, and clean.
33	Sliding gate	2	ea	Design, supply and fabricate, erect & commission, generally as per attached concept drawing, the gate should be running on steel track secured in concrete C20. Gate wheels to be 100 mm dia complete with suitable bearings for smooth sliding.
34	Erect office for camp manager consisting of 4nos 20' container size prefab units	1	ea	Collect from UNMIS storage yard in Al-Fasher, erect prefab units, repair any minor damage, connect power, air conditioners, test, commission, and clean.
35	Carry out hydro geological study and drill bore holes complete as a water source for the camp	2	Lot	The hydro geological surveys to be conducted shall be in accordance with the most recent remote sensing technology to get the highest resolutions for accurate siting of a productive well location. Drill, develop and complete the wells using appropriate material for the screens, conduct pump testing, procure and install submersible pumps of appropriate capacities based on the established critical yield of the wells, complete with low and high level cut-off electrodes and other power supply cables commission.
36	Construct water point, consisting of one office container and one sea container	1	ea	Collect 1 used ISO 20' shipping containers, erect, connect power, test, commission clean and hand over. Collect 1 prefab office container, erect, connect power & AC, test, commission clean.
37	Installation of water treatment plant	1	ea	Installation to be carried out by vendor. UNMIS to supply the plant.
38	Build water supply network complete		Lump sum	The water supply reticulation system, shall be constructed in keeping with the following minimum design parameters. All material to be supplied by the contractor. The system shall be tested and commissioned before it is handed over to the client. Ten (10) bars minimum working pressure rated PVC pipes and fittings, valves to be used. Pipe diameters, valve and fitting size to suite discharge requirement at each water consumption point. Water pressures in the system shall be provided by the use of pressure pump system. Booster pump design, supply erection and commissioning will be the responsibility of the contractor. Delivery pressure to be between 1-2 bar.

39	Build concrete platform for water storage syntax tanks, and WTP (20m x 20m x 0.25m) reinforced concrete slab, 4 nos 5 m <sup>3</sup> raw water storage plus 4 nos 5M3 for filtered water storage	1	lot	250 mm thick reinforced concrete slab C 20, with 75 KG/m <sup>3</sup> reinforcement laid on compacted natural gravel base 200 mm thick. Collect plastic tanks from UNMIS Al-Fasher, supply and install booster pumps, pressure tanks, pressure switch, test & commission.
40	Construct security check point built with 1 no 21m <sup>2</sup> prefab as per drawing	1	ea	Collect from UNMIS storage yard in Al-Fasher, erect, connect power, test, commission, clean.
41	Construct flag pole	2	ea	Design, supply all materials (except flags), fabricate, erect & commission including concrete footing, concrete slab 1mx2m x0.1m, anchor bolts etc.
42	Construct BBQ area 203 x 10mx 0.1m concrete platform	20	Cum	Wire mesh light reinforced concrete slab class C15.
43	Construct reinforced concrete platform (24mx 10mx .2) for two storage rubhalls	96	Cum	200 mm thick reinforced concrete slab C 20, with 75 KG/m <sup>3</sup> reinforcement laid on compacted natural gravel base 300 mm thick.
44	Construct of manholes	14	ea	Construct in accordance with the base drawings provided. test and commission.
45	Construct of recreation facility consisting of fitness center, PX & TV room(15 containers prefab units)	1	Lot	Collect prefab from UNMIS storage yard in Al-Fasher, erect prefab units, repair any minor damage, connect power, air conditioners, test, commission, clean.
46	Install security light poles inside compound to cover the walkways and parking area (posts and lights)	100	ea	Galvanized steel lights poles 7.5 m high, 15 CM dia at base 7 CM at top, complete with 10 mm base plate, 4 x 20mm dia anchor bolts, 2.5m arm single & double as per drawing, high pressure sodium lights 250W, complete with concrete footing class C20.
47	Construct of recreation facility consisting of Internet Café and IT room, 2 nos single module corimec each 21 M <sup>2</sup>	1	Lot	Collect from UNMIS storage yard in Al-Fasher, erect prefab units, connect power, air conditioners, test, commission and clean.
	<b><u>ADDITIONAL PARKING AREA AT THE BACK GATE OF AMIS HQ</u></b>			
1	Site survey 125x 120 m	15,000	Sqm	Measuring and staking of plot boundary, setting out of roads, buildings and all facilities, leveling survey of the plot at suitable grid.

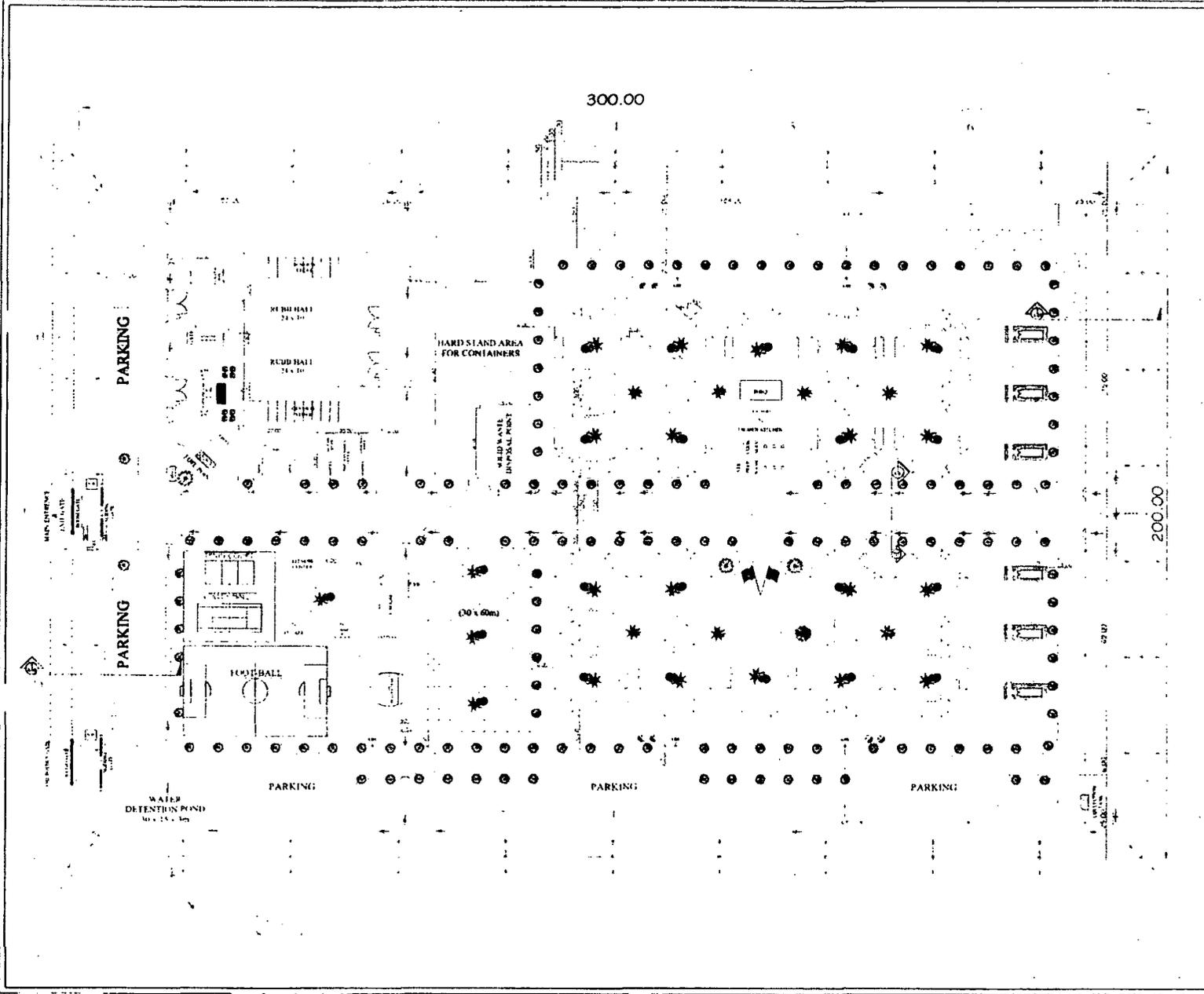
2	Clearing the site 125x 120	15,000	Sqm	Removal of , shrubs, vegetable soil, insect humps, boulders etc to allow setting out and construction of camp facilities
3	Grading, leveling, and gravelling 125x 120	15,000	Sqm	Design and build, minimum 300mm total thickness compacted, 150 mm per layer, of selected natural gravel excavated, hauled, spread, 10-ton roller compacted to achieve good compaction. The rolled surface to provide appropriate slope for rainwater drainage. Borrow area will be approval procedure will be responsibility of the contractor, UNMIS will provide supporting role only. Gravel material to be 0-50mm size, percentage gradation to be suitable for compaction, big boulder to be hand picked and removed.
4	Construct fencing 125m + 120m	245	Lm	Construct, fabricate, erect, concept as per attached drawing, chain link fence, 60mm OD 2 m high metal post max 3 m c/c, Y fork to take 3 lines of barbed wire on each arm, external concertina coil on Y fork, 3 lines of 4 mm straining wire passing through chain link, All secured strongly to the metal pole, 45 deg straining poles at every 10th post and every corners, fence footings to class 15 concrete 300mmx 300mmx600 mm deep in the ground, Ground beam C15 concrete, 150 mm x300 mm flush with ground
5	Install security lights and poles	18	ea	Galvanized steel lights poles 7.5 m high, 15 CM dia at base 7 CM at top, complete with 10 mm base plate, 4 x 20mm dia anchor bolts, 2.5m arm single & double as per drawing, high pressure sodium lights 250W, complete with concrete footing class C20.
6	Install boom gate 6 Meter long	1	ea	Construct, supply and fabricate, erect & commission, generally as per attached concept drawing, the gate should be balanced with counterweight to facilitate easy and smooth operation. Concrete footings, to be C20.
7	Construct storm drainage system to prevent flooding of parking area	245	Lm	Construct trapezoidal shaped drain, 600 mm deep, 600mm bottom, side slope 1.5H to 1V, lined with plain precast concrete slabs 75 mm thick, mortar jointed, without blocking natural drainage pattern. Culvert for road crossing considered under road item.
8	Construct swinging gate 5 m wide by 2 m height	1	ea	Construct, supply and fabricate, erect & commission, generally as per attached drawing, the gate should be heavy duty hinges and locking arrangement to facilitate easy and smooth operation. Concrete footings to be C20.
9	Construct security guard booth	1	ea	Collect prefab from UNMIS storage yard in Al-Fasher, erect, connect power, test, commission and clean.

10	Construct of power lines. to distributing panels to Parking area ( total package)		Lump sum	Design, purchase, supply all cables and components, distribution panels, circuit breakers, deliver to site, install, connect, test and commission and make fully operational as per standard code of practice. The main cables to be under ground, multicore with standard copper conductors, XLPE insulated, steel tape armored, PVC sheathed. Main and distribution cable size to be engineered and determined by the contractor, based on camp population, appliances, security lights, water pumps, sewage pumps if any, plus any other load which the design engineer may consider depending on over all loads. External main distribution panel boards to be floor mounted, factory wired, dust proof, vermin proof, 16 gauge col rolled steel, main cover, captive fasteners, powder coat finish, insulated copper bus bars, neutral and earthing bus bars, IP65, designed for operating temp up to 85 Deg C, over current and short circuit protection devices to all circuits. The Sub distribution panel shall be modular type surface mounted, water tight, IP 65, polycarbonate (non metallic) transparent door, with distribution terminal blocks for neutral and earth.
<b><u>POWER HOUSE BEHIND AMIS CAMP</u></b>				
1	Shed area to cover the generators and storage area	1	ea	Design, supply all materials, fabricate and erect and commission. Generator house, metal framed shed with concrete footings C20, steel columns and main skeleton w 200x133x21Kg/m, 20 mm anchor bolts, 20 CM thick reinforced concrete C20 generator floor R10 bars @ 200 mc/c both ways, necessary cable trenching built with C20 reinforced concrete trench & cover reinforcement 75-100 Kg/M3, perforated brick of block wall, truss work with HS 50x50x3, purlins HS100x50x3 mm, 26 Gauge GI sheet roofing, internal electrical, erect, test, commission and handover. Reinforced Concrete parapet 150 mm thick 0.3m high all around to stop fuel leakage to environment
2	Installation of 2x 250 KVA generators, 5000 L. fuel tank, distribution panel, and cabling to all newly constructed offices in the camp.		Lump sum	Collect Generator from UNMIS storage yard in Al-Fasher, erect; connect power, test, commission, and handover. Supply transport, install, connect and commission fuel tank with calibrated dipstick made of 12 mm metal tube. Fuel tank to be made of steel, primed & painted externally, installed on raised concrete foundations, for gravity flow to day tank.

<u>OFFICE ACCOMMODATION INSIDE AMIS HEADQUARTERS</u>				
1	Installation of office containers, inside the AMIS HQ on concrete pedestals	100	ea	Collect prefab from UNMIS storage yard in Al-Fasher, erect, connect power, test, commission and clean.
	concrete pedestals 400mmx300mmx300 mm	400	ca	Design and build, concrete pedestals to comply with C20 standard.
2	Construct steps for 100 containers	30	Cum	Concrete class C15, laid on compacted and shaped natural gravel base
3		N/a	N/a	Item Deleted
4	Construct of 4 ablution containers with all the necessary connections, manholes, etc.	4	ca	Collect prefab units from UNMIS storage yard in Al-Fasher, erect, connect water, sewage, electricity, test, commission and clean.
5	Construct septic tanks	2	ca	Construct, according to the supplied drawing, Concrete bottom and top slab to class 20, reinforcement content 100 Kg/m <sup>3</sup> of concrete, masonry strength 10N/mm <sup>2</sup> .
6	Construct soak away pits	2	ca	Construct according to supplied drawing, Concrete top slab to class 20, reinforcement content 100 Kg/m <sup>3</sup> of concrete, masonry strength 10N/mm <sup>2</sup> .
7	Reserved.			Item deleted.
8	Build concrete platform for water storage syntax tanks, and WTP (10m x 10m x 0.25m) reinforced concrete slab, 4nos 2.5 m <sup>3</sup> raw water storage plus 4nos 2.5M <sup>3</sup> for filtered water storage	1	ea	250 mm thick reinforced concrete slab C 20, with 100 KG/m <sup>3</sup> reinforcement laid on compacted natural gravel base 200 mm thick. Collect plastic tanks from UNMIS Al-Fasher, supply and install booster pumps, pressure tanks, pressure switch, test & commission.
9	Construct of storm drainage system to prevent offices from flooding		Lump sum	Construct a trapezoidal section drain, 600 mm deep; 600mm bottom, side slope 1.5H to 1V, lined with plain recast concrete slabs 75 mm thick, mortar jointed, without blocking natural drainage pattern. Culvert for road crossing considered under road item.

10	Install power lines, to distributing panels to terminal building ( total package)		Lump sum	Design, purchase, supply all cables and components, distribution panels, circuit breakers, deliver to site, install, connect, test and commission and make fully operational as per standard code of practice. The main cables to be under ground, multicore with standard copper conductors, XLPE insulated, steel tape armored, PVC sheathed. Main and distribution cable size to be engineered and determined by the contractor, based on camp population, appliances, security lights, water pumps, sewage pumps if any, plus any other load which the design engineer may consider depending on over all loads. External main distribution panel boards to be floor mounted, factory wired, dust proof, vermin proof, 16 gauge col rolled steel, main cover, captive fasteners, powder coat finish, insulated copper bus bars, neutral and earthing bus bars, IP65, designed for operating temp up to 85 Deg C, over current and short circuit protection devices to all circuits. The Sub distribution panel shall be modular type surface mounted, water tight, IP 65, polycarbonate (non metallic) transparent door, with distribution terminal blocks for neutral and earth.
<b>OFFICE AND LIVING ACCOMMODATION IN 3 SECTOR HQS</b>				
11	Provision of office and living accommodation for 25 personnel in up to 3 additional locations, Al Gencina, Zalingie and Nyala To include movement of UN resources to be used for any construction. Installation of 2 ablution units in each location, one for each of living and accommodation areas.	81	NYK	Collect and deliver to each location prefabs x (75) and ablution units x (6) from UNMIS storage yard in El Obeid, erect, connect water, sewage, electricity, test, commission, clean and handover. Connect sewage to existing system where possible if not construct septic tank/soak away in accordance with drawing number 09 using 4" diameter with associated fittings, minimum 6 bar working pressure rated PVC pipes and fittings to be used.
<b>Drawings</b>				
		<b>Serial</b>		<b>Description</b>
		1		LAYOUT PLAN
		2		INSIDE ROAD SECTIONS
		3		SECURITY FENCE DETAILS
		4		BOOM GATE DETAILS
		5		SWING GATE DETAILS
		6		LAMP POST DETAILS
		7a		OBSERVATION TOWER
		7b		OBSERVATION TOWER DETAILS

		8	BUNKER DETAILS
		9	SEPTIC TANK AND SOAKWAY DETAILS
		10	SUPPLIMENTARY ROOF DETAILS
		11	SLIDING GATE
		12	ROOF PANEL ASSEMBLY
		13	MANHOLE AND COVER DETAILS
		14	GUARD HOUSE
		14a	SEWAGE COLLECTION TANK
		14b	SEWAGE COLLECTION TANK DETAILS.



**Remarks**

All Dimensions in Meter  
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**LEGEND**

- MOBILE COSSMIC AREA - 21 of Ase
- SLATFALL AREA - 18 of Ase
- MULTIAREA
- BLANK
- ABILITY OF CUE
- WATER TANK
- WATER TANK
- WATER TREATMENT PLANT
- SEWER LINE
- GENERATOR
- STAIR
- WATER TANK
- WATER TREATMENT PLANT
- SEWER LINE
- GENERATOR

**REVISIONS TABLE**

Rev. No.	Date	Description	Written by	Approved by

REVISIONS	APPROVALS

**UNITED NATIONS**

ENGINEERING SECTION  
 UNMIS - KHARTOUM  
 SUDAN

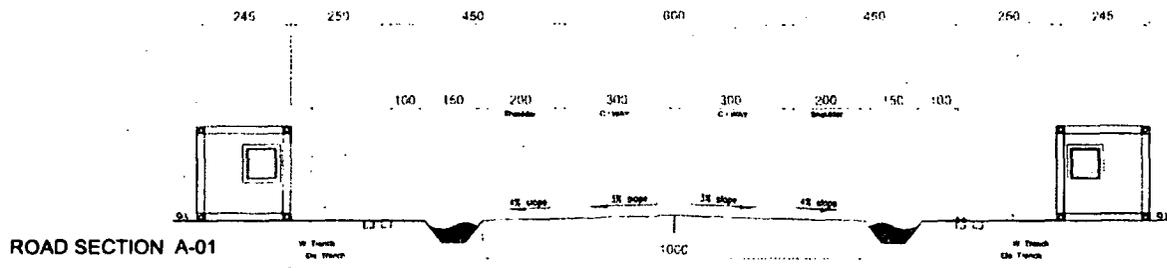
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PROJECT TITLE  
**AMIS LIVING ACCOMMODATION  
 AT FASHIR**

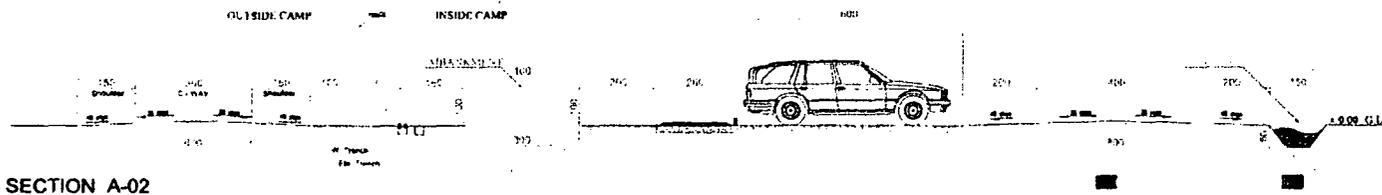
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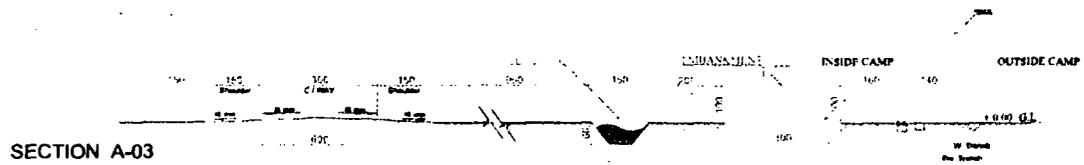
DESIGNED BY Minas Lessanu	APPROVED BY
DRAWN BY Hicham Madkouri	DRAWING NO
DATE 31 Oct. 2006	SCALE 1:1000
Draw n° 01	



ROAD SECTION A-01



SECTION A-02



SECTION A-03

Remarks

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SUDAN

PROJECT TITLE

AMIS LIVING ACCOMMODATION  
AL FADHR

DRAWING TITLE

SECTIONS

DESIGNED BY

Mirca Lessch

DRAWN BY

Hicham Madkour

APPROVED BY

DATE

31 Oct. 2006

DRAWING NO.

SCALE

N.T.S.

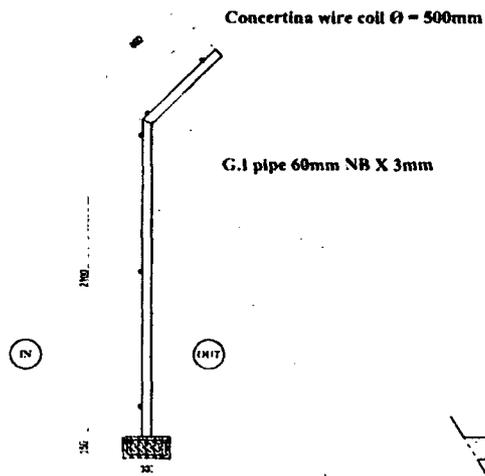
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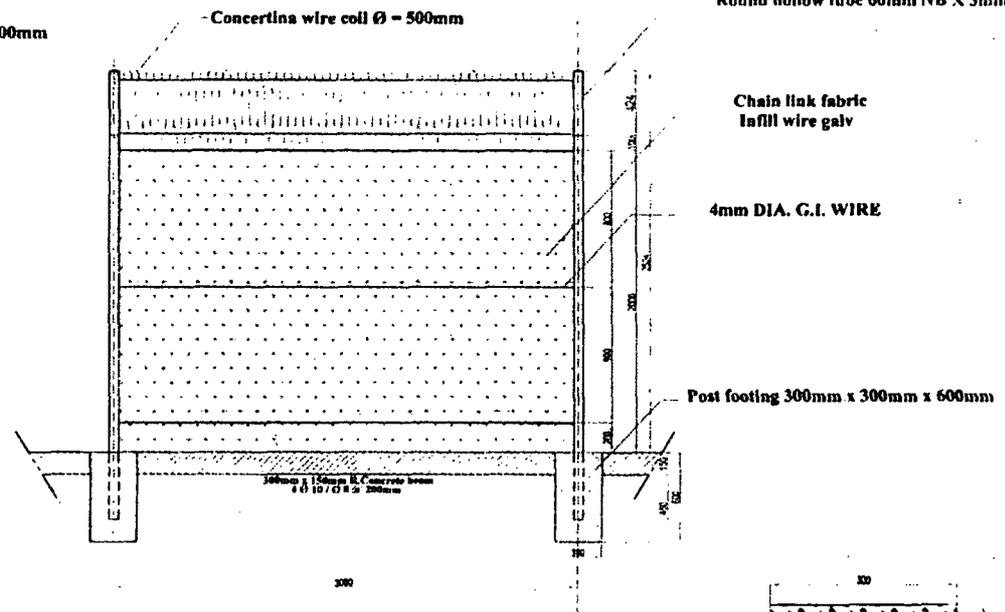
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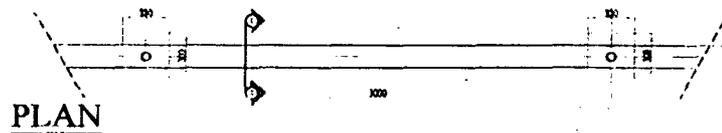


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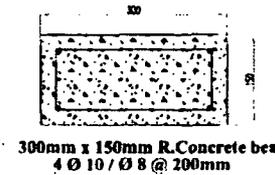
**POST DETAILS**



**FRONT ELEVATION**



**PLAN**



**300mm x 150mm R. Concrete beam  
4 Ø 10 / Ø 8 @ 200mm**

UNITED NATIONS



ENGINEERING SECTION  
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SUDAN

PROJECT TITLE  
AMIS LIVING ACCOMMODATION  
AL FASHIR

DRAWING TITLE  
FENCE DETAILS

DESIGNED BY  
Minas Lessanu

DRAWN BY  
Micham Madkouri

APPROVED BY

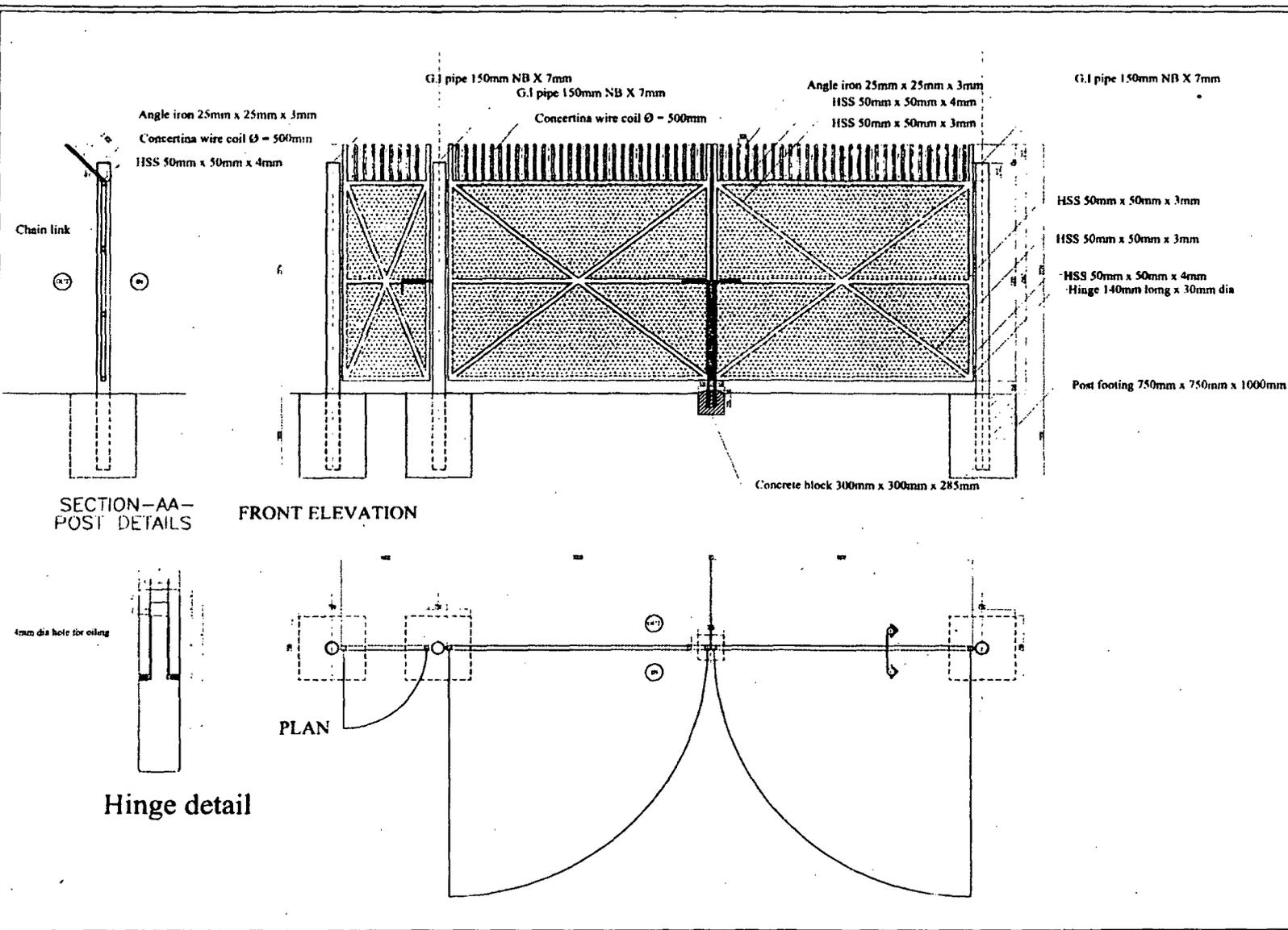
DATE 31 Oct 2006

DRAWING NO.

SCALE  
N.T.S

Drw n° : 03





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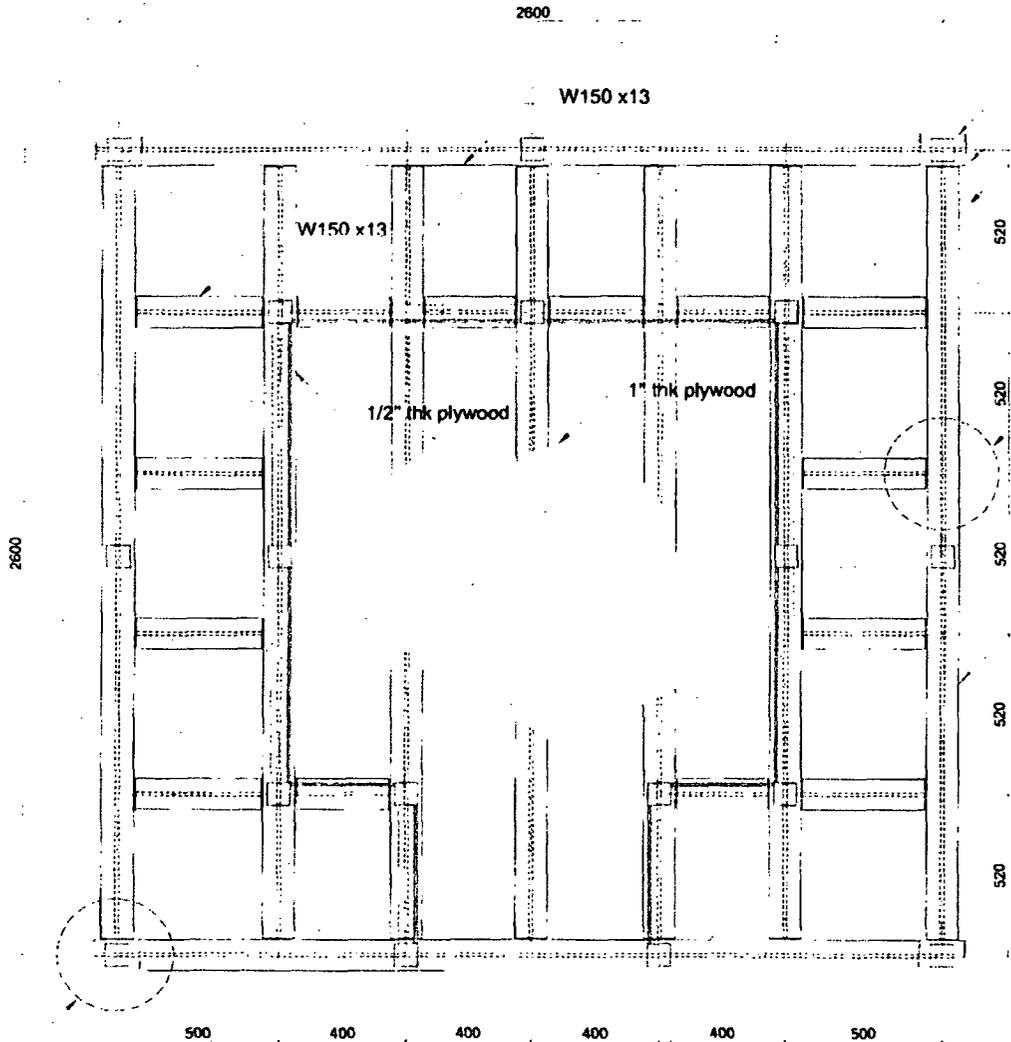
DRAWING TITLE  
SWING GATE DETAILS

DESIGNED BY  
Mutas Lembotu

DRAWN BY Mehem Madkour	APPROVED BY
DATE 31 Oct 2008	DRAWING NO
SCALE N.T.S	Draw n° : 05







See Detail A

PLAN B-B

HSS 75 x 75 x 3mm  
W150 x13  
Plywood 1" thk

See Detail B

W150 x13

**Notes :**

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PROJECT TITLE  
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AL FASHIR**

DRAWING TITLE  
**OBSERVATION TOWER  
PLAN B-B**

DESIGNED BY \_\_\_\_\_  
M. H. Hassan

DRAWN BY \_\_\_\_\_ (APPROVED BY \_\_\_\_\_)  
Muham. Mahgoub

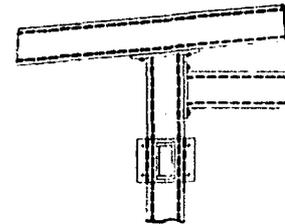
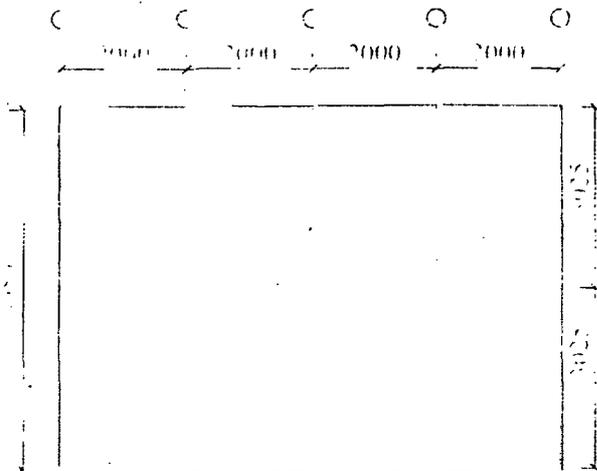
DATE 31 Oct 2006 DRAWING NO \_\_\_\_\_

SCALE N.T.S. Draw n° : 07b

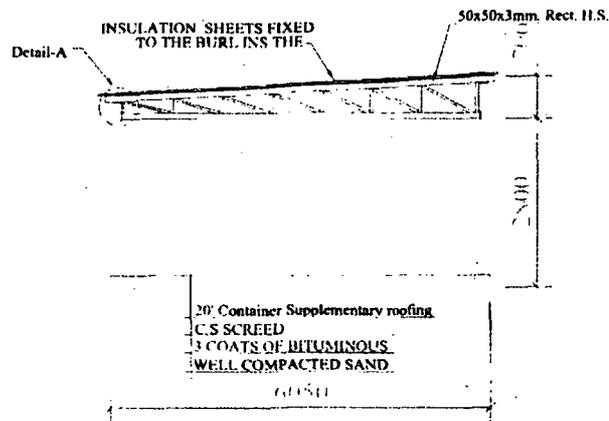




# PLAN



Detail - A



# SECTION

## Framework Specifications:

- Purlins 100x50x3 HSS
- Diagonal brace :L50x50x5mm ,2x12mm bolt each end
- Tie beam :HSS 50x50x3 mm ,4x12mm bolts each end
- Truss : (top & bottom chord) HSS 100x50x3mm  
( Internal members ) HSS 50x50x3mm
- Post: HSS 100x100x6 mm
- Base plate :10mm thick
- Anchor bolts : 16mm dia. x 350mm long, 4Nos
- All main bolts & nuts : H.T.bolts

## Remarks

- \* All Dimensions in Millimeter
- \* This drawing is the property of United Nations and is not to be reproduced, copied, handed over to a third party or used for any purpose other than for which it has been loaned

No.	Description	Issue	Issued by	Date

UNITED NATIONS



ENGINEERING SECTION  
UNMIS - KHARTOUM  
SUDAN

PROJECT TITLE  
AMIS LIVING ACCOMMODATION  
AL FASHIR

DRAWING TITLE  
20' Container  
Supplementary roofing

DESIGNED BY  
Mines Lessanu

DRAWN BY  
M. H'CHAM

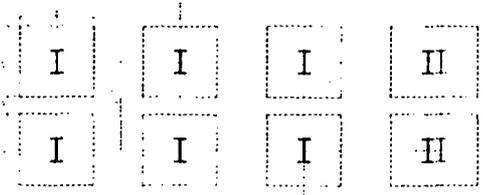
APPROVED BY

DATE  
3 Oct 2006

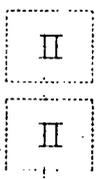
DRAWING NO.

SCALE  
N.T.S

Draw n° 10

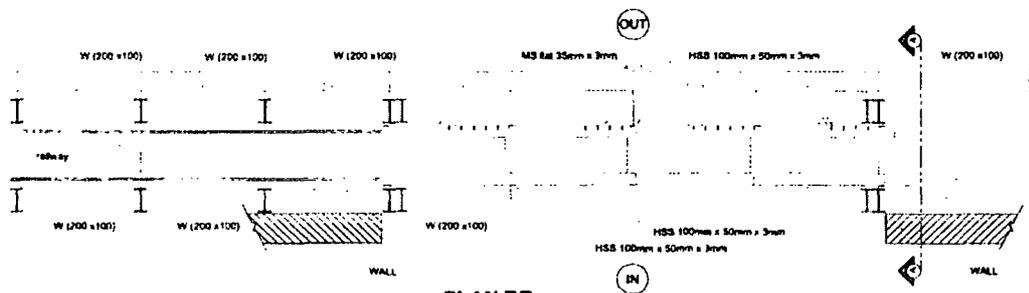


Post footing 1000mm x 700mm x 800mm  
 Post footing 1000mm x 700mm x 800mm

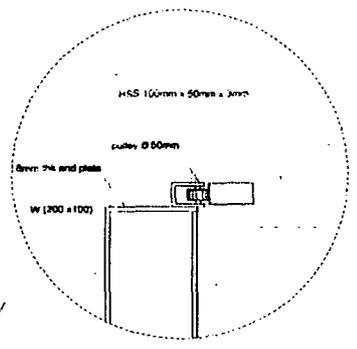


Post footing 1000mm x 700mm x 800mm  
 Post footing 1000mm x 700mm x 800mm

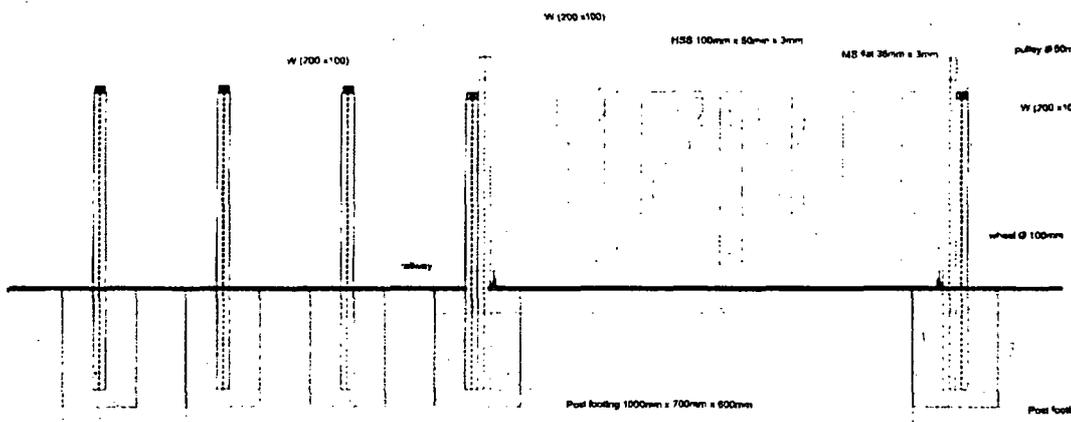
**PLAN AA**



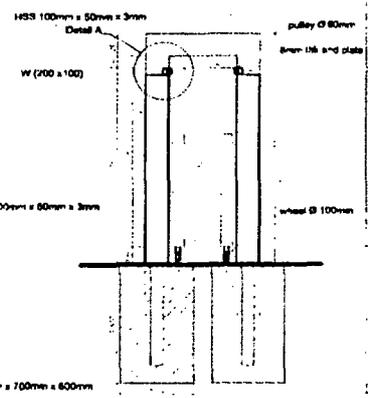
**PLAN BB**



**DETAIL A**



**FRONT ELEVATION**



**SECTION AA**

**Notes :**

- \* All dimensions in Millimeters
- \* This drawing is the property of United Nations and is not to be reproduced, copied, handed over to a third party or used for any purpose other than for which it has been loaned.

Rev. No.	Date	Description	Written By	Approved By

**UNITED NATIONS**

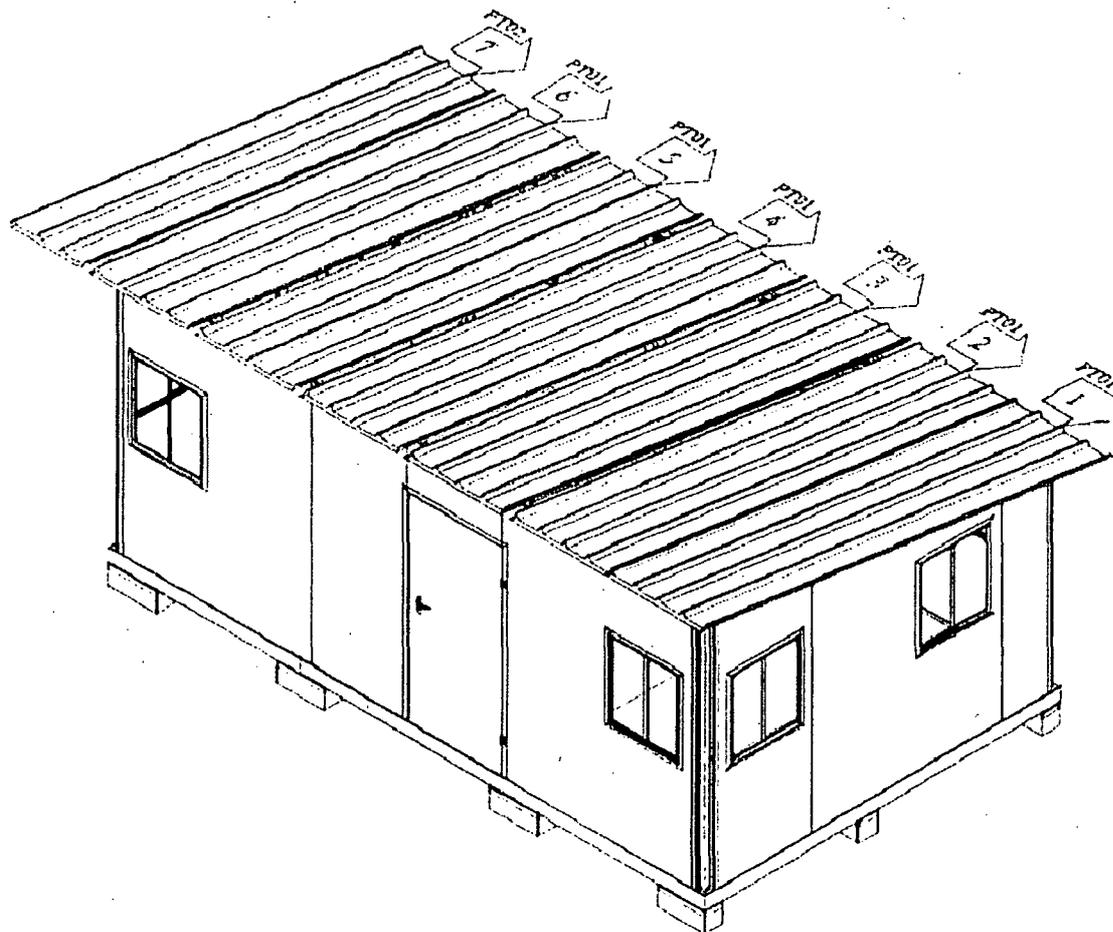


**ENGINEERING SECTION  
UNMIS - KHARTOUM  
SUDAN**

PROJECT TITLE  
**AMIS LIVING ACCOMMODATION  
AL FASHIR**

DRAWING TITLE  
**SLIDING GATE**

DESIGNED BY Miras Ilesanu	APPROVED BY
DRAWN BY Nisam Modroun	DRAWING NO
DATE 31 OCT 2006	SCALE N.T.S
	Drawn by: 11



ASSEMBLE IN ORDER AS PER DRAWING DIRECTIONS  
 ROOF PANEL ASSEMBLING

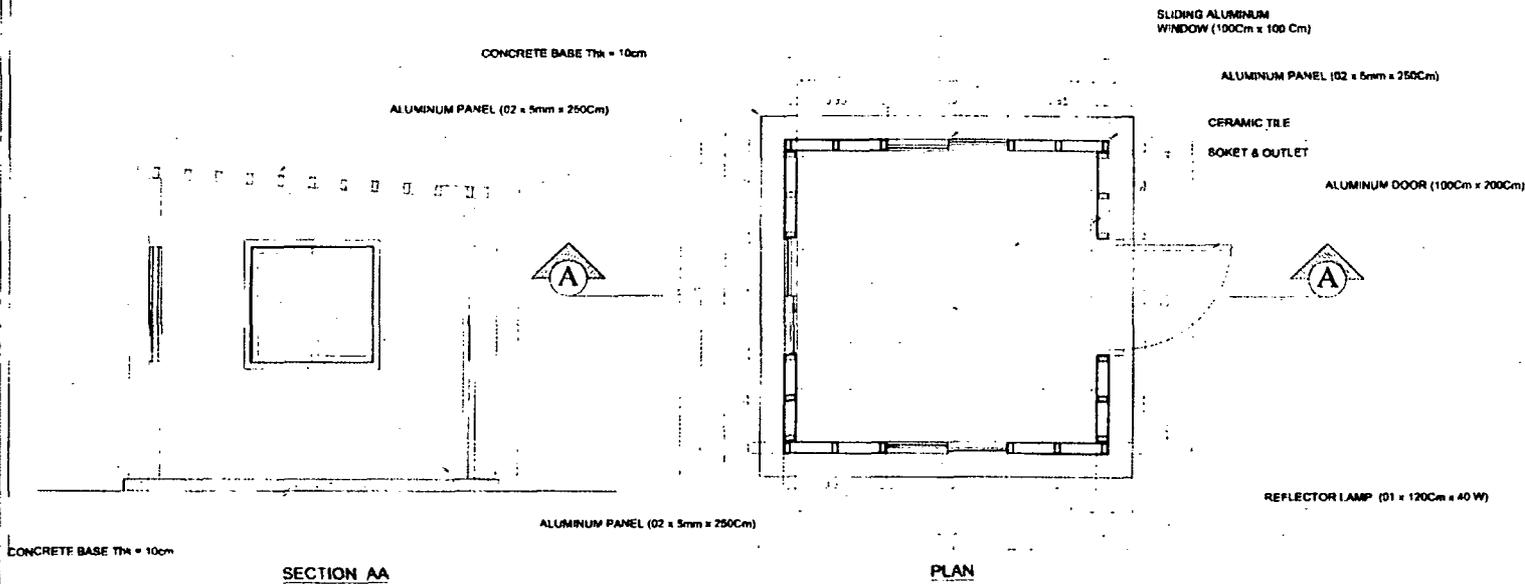
 <b>CORIMEC</b> CORIMEC ITALIANA SPA <small>via Cichero 10          15030 Bivio (AO)          Tel. 0523.810410          Fax 0523.821345</small>	PREFABRICATED BUILDING ( 21 m <sup>2</sup> )
	DWG. N° 12
THIS DRAWING IS OWNED BY CORIMEC - ALL RIGHTS ARE RESERVED ACCORDING TO THE LAW	



### Remarks

\* All Dimensions in Meter

\* This drawing is the property of United Nations and is not to be reproduced, copied, handed over to a third party or used for any purpose other than for which it has been issued.



#### REVISIONS TABLE

Rev	Date	Description	Written by	Approved by

REVISIONS

APPROVALS

**UNITED NATIONS**



**ENGINEERING SECTION  
UNMIS - KHARTOUM  
SUDAN**

PROJECT TITLE

**AMIS LIVING ACCOMMODATION  
AL FASHIR**

DRAWING TITLE

**GUARD HOUSE**

DESIGNED BY

Minos Lessanu

DRAWN BY

Micham Madkour

APPROVED BY

DATE

31 Oct 2006

DRAWING NO

Dwg n° 14

SCALE

N.T.S.





Dear Ambassador Wolff,

**Subject: Letter of Assist by the United States for the United Nations Mission in Sudan (UNMIS)**

I have the honour to request the agreement by the Government of the United States (hereinafter referred to as the "Government") to provide services on a reimbursable basis in support of the operations of the United Nations Mission in Sudan (hereinafter referred to as "UNMIS") in accordance with the Agreement Between the United States of America and the United Nations Organization concerning the Provision of Services and Commodities on a Reimbursable Basis in Support of the Operations of the United Nations Mission in Sudan (hereinafter referred to as "the Agreement") and the terms and conditions of this letter and its attachments (hereinafter referred to as the "Letter of Assist").

**Services**

Your Government shall provide the services requested as described in Attachment 1 (hereinafter referred to as the "Services") which are requested to be provided over a period of 120 days from 20 December 2006 in accordance with the Agreement and the terms and conditions herein set forth in support of UNMIS.

The Services shall be of equal quality and caliber to that which the Government is entitled pursuant to the contract referred to in Attachment 1 (hereinafter referred to as the "Contract"). The Government shall enforce the provisions of the Contract at the written request of the United Nations.

**Coordination**

The United Nations and the Government shall each designate a representative to coordinate the provision of the Services under this Letter of Assist. The designated representatives of the parties shall consult regularly and shall establish the necessary coordination mechanisms to ensure that the Services are delivered in accordance with the terms of the Contract and this Letter of Assist.

**Reimbursement**

The United Nations shall reimburse your Government up to US\$10M for the provision of the Services in accordance with the Agreement. The cost for the Services shall be as set out in Attachment 1.

Reimbursement by the United Nations shall be made within sixty (60) days of receipt of your Government's invoices which shall be processed in accordance with UN rules and procedures. Reimbursement by the United Nations shall be made in the

currency of billing, unless your Government requires otherwise to:

United States Mission to the United Nations  
Attn: Ambassador Alejandro D. Wolff, Charge d' Affaires a.i  
140 East 45<sup>th</sup> Street  
New York, N.Y. 10017

The costs reimbursed by the United Nations shall not exceed the actual cost incurred by the Government in providing the Services. In the event that the Government recovers funds from its contractors due to overcharging on contracts, or otherwise, the Government shall refund to the United Nations any amounts so recovered that are attributable to payments made by the United Nations hereunder.

#### Invoicing

The Government shall submit to the United Nations written invoices for the Services provided pursuant to this Letter of Assist on a monthly basis. All invoices submitted to the United Nations shall contain such information and documentation as may be necessary for the United Nations to verify the amount(s) invoiced and the basis for the amounts charged, in particular, a copy of the PAE invoice to the Department of State.

Invoices to the United Nations should cite the reference number of this Letter of Assist. Your Government's invoices shall be sent to the Director of Administration (DOA), UNMIS, Khartoum, for certification and processing.

#### Tax Exemption

Section 7 of the Convention on the Privileges and Immunities of the United Nations exempts the United Nations from payment of direct taxes and duties other than taxes and duties that are no more than charges for public utility services. The Government shall make best efforts to ensure that the amounts charged by the Government, including any amounts charged to the Government by its contractors, do not include any such taxes or duties. At the request of the Government, the United Nations shall provide to the Government documentary certificate(s) confirming that the Services hereunder are required for the purposes of providing services to the United Nations.

In the event that any taxing authority refuses to recognize the United Nations exemption from such taxes, the Government shall consult with the United Nations to determine a mutually acceptable procedure.

#### Recovery

The Government and the United Nations, including UNMIS, each waives all claims it may have (other than claims associated with the reimbursement for Services provided hereunder) against the other for damage to, or loss or destruction of its property or injury or death to its personnel arising out of the activities of the personnel of the other party pursuant to this Letter of Assist. Claims of third parties filed against the Government or the United Nations, including UNMIS, for damages or loss caused by their respective personnel arising from activities under this Letter of Assist shall be resolved by the party against which such claims are filed in accordance with that party's applicable laws, rules and regulations.

### Termination

(a) Either party may terminate the Letter of Assist, in whole or in part, upon 30 days written notice to the other party. In the event of termination pursuant to this clause, the United Nations shall only be responsible for reimbursement to the Government for Services satisfactorily performed in accordance with this Letter of Assist prior to the effective date of termination.

(b) The United Nations may also terminate this Letter of Assist at any time for convenience in the interest of the Organization should the mandate or the funding be curtailed or terminated, in which case the Government shall be entitled to reimbursement by the United Nations for all reasonable costs relating to such termination.

### Forward commitments

The Government shall, upon receipt of notice of termination of the Letter of Assist as provided above, bring the services to a close in a prompt and orderly manner, reduce all expenses to a minimum and shall not undertake any forward or further commitments in connection with the Letter of Assist.

### Modifications

No changes in, or modifications to, this Letter of Assist shall be made except by mutual agreement, in writing, between the United Nations and the Government.

### Settlement of disputes

Any dispute arising under this Letter of Assist shall be resolved through consultations between the Government and the United Nations or their representatives and shall not be referred to any third party.

### Force majeure

(a) In the event of and as soon as possible after the occurrence of any event constituting force majeure, the Government shall immediately give notice and full particulars in writing to the United Nations of such event if the Government is thereby rendered unable, wholly or in part, to perform its obligations and meet its responsibilities under this Letter of Assist.

(b) Upon receipt of such notice, the United Nations shall have the right to take such action as, in its sole discretion, it considers to be appropriate or necessary in the circumstances including suspension or termination of this Letter of Assist, but this shall not affect the UN's obligations to reimburse the Government for services rendered.

(c) Force majeure as used in this Letter of Assist means acts of God, war, insurrection or other acts of a similar nature or force.

Assignment

The Government shall not assign, transfer, pledge or make other dispositions of this Letter of Assist, or any part thereof, or any of the Government's rights, claims or obligations under this Letter of Assist, except with the prior written consent of the United Nations.

If your Government agrees to this Letter of Assist, please countersign where indicated below and return a copy of the signed Letter of Assist to me.

No Services shall be provided until receipt by the United Nations of the countersigned copy of this Letter of Assist.

I take this opportunity to thank your Government for its continued support to United Nations peacekeeping operations.

Yours truly,

  
Maxwell Kerley  
Acting Director  
Logistics Support Division  
Office of Mission Support  
Department of Peacekeeping Operations

Attachment 1

DoS Task Order which reflects a total price of \$9,361,193.91 and provides the definitive summary by tasks A through E.

Attachment 2

(Description of the Services –Statement of Works)

The services and works described in a task order, dated 20 December 2006, issued by the Department of State of the United States of America pursuant to a contract between the Department of State of the United States of America and PAE, dated 27 May 2003 attached hereto.