



# Catalogue and Brochure of DELSA Relief Items

Disaster Emergency Logistics System for ASEAN



# Introduction

Welcome to the Catalogue of DELSA Relief Items provided by the ASEAN Coordinating Centre for Humanitarian Assistance in disaster management – AHA Centre.

This catalogue is a joint effort between the AHA Centre and WFP – UNHRD, Subang Malaysia. Commodities and Equipment stated in this catalogue are compiled from the recommendations in the emergency responses that being conducted by the AHA Centre and mainly focusing on the items that suited in the first phase of emergency both for community needs and to support the National Disaster Management Office (NDMO).

Technical Specification of the commodities and equipment are based on the international standard on the humanitarian relief items and globally used in the humanitarian agencies including UN bodies.

Primary purpose of this catalogue is to provide guidance during emergency operations for AHA Centre staffs, Emergency Response and Assesment Team member and the National Disaster Management Offices (NDMOs) on designing the local needs during the emergency situation. In addition, the catalogue acts as a guidance in conducting local procurement in the affected country.

The AHA Centre would welcome comments and query for the Commodities and Equipment Catalogue. Please directed to dedicated address: [info@ahacentre.org](mailto:info@ahacentre.org)

## Disclaimer

The commodities and equipment stated on the catalogue might be different in terms of colour and technical specification during actual deployment depending on the stock.



Warehouse in Subang, Malaysia

# Operational Support Materials

**1** B27163019  
Inflatable Lightweight Tent

B38713207  
Filing Cabinet

B38713203  
Pedestal File Drawer

B38713205  
Folding Desk

B38713406  
Folding Chair

**5**

**3**

**4**

**2**

B38713403

Bunk Bed

6

B38713404

Matress

7

# Specifications

## Operational Support Materials

### Inflatable Lightweight Tent

Code: B27163019

1



The tent comes in 2 variations:

#### Option A

5.50m (W) x 7.50m (L) x 2.72m (H)

Weight: 120 kg, Colour: white

#### Option A

5.50m (W) x 5.10m (L) x 2.72m (H)

Weight: 90 kg, Colour: white

#### Specification

Tent production technology: HF welding (no gluing).

The inflation of both the tent models can be done in approximately 5 minutes. Once inflated the tents are transportable thanks to peripheral carrying handles. This is important because in a field situation tents can be inflated in one place and later be moved.

#### Inflatable arches

Attached to the tent cover. Made from polyester coated with PVC on both sides (600g/m<sup>2</sup>), fire retardant. Inflatable structure completely air-tight (no need of permanent air compressor).

Inflatable arch diameter: 27 cm

Operative working pressure: 0,35 – 0,40 bar

Each arch comprises suspension points to hang lighting, electric lines, insulation and/or partition liner.

It is possible to change an inflatable arch without dismounting the tent. The inflatable arches are equipped with overpressure valves in case of over inflation or strong heat, and each valve is protected by a cover cap.

#### Floor

The floor is realized in pvc (normally in grey color) with the same feature of the tent cover. The fabric has anti fungi and mold properties.

#### Doors, Windows & Openings

The tent with 2 doors has 3 windows on each side for TAGL 41 and 2 windows on each side for TAGL 28.

Each window is equipped with: mosquito net, translucent PVC panel, black out panel. The fabric used for the tent floor & cover is made of polyester coated with PVC on both sides (500 g/m<sup>2</sup>), UV resistant & fire retardant. The white tent cover is from blackout material (black film between the two external layers) in order to reduce penetration of sun rays. Each tent end is equipped with 2 rectangular frontal doors (180 x 160 cm) with a central field proven zipper and 2 panels sliding system. A pvc flap is HF welded around the door outer perimeter. The flap allows the connection with other tents.

Each tent is equipped with 4 opening (Ø35 cm) in each side for the heating/air conditioning duct and 1 opening (Ø20 cm) in each front/rear for the passage of the electric wires. The opening are closable.

Stability of the tent by lateral wind speed: 100 km/h (tent must be fixed to the ground and braced)

Snow load resistance: 10 kg/m<sup>2</sup>

## Folding Desk 2

Code: B38713205

### Specifications

Material: Foldable Rectangular Table  
 Size: 1400L x 800D x 760H mm  
 Metal Leg: 25mm x 25mm Mild Steel  
 Square Folding Mechanism and Adjustable Stub Black Epoxy Coated  
 Top Surface: 25mm thick Melamine Laminated Chipboard  
 Edging: 2mm thick ABS flatted in Dark Grey Color

### Packaging

Packing : 1 Unit in 1 Box  
 Carton Dimension : 1415L x 815D x 90H (mm)  
 Nett Weight : 20.20 Kgs +/-  
 Gross Weight : 21.00 Kgs +/-  
 M3 : 0.115



## Chair 3

Code: B38713406

### Specifications

Model: IF 706 Iron Folding Chair (Holes)  
 Chair Base: Foldable Tubular Steel Frame  
 Armrest: None  
 Size: 60W x 455D x 810H mm  
 Back Rest: Metal  
 Seat: Metal Finishing with anti-rush epoxy  
 Black powder coating

### Packaging

Packing: 6 Unit in 1 Box  
 Carton Dimension: 1000W x 510D x 300H (mm)  
 Nett Weight: 26 Kgs +/-  
 Gross Weight: 28 Kgs +/-





4

## 4 Drawers Filing Cabinet

Code: B38713207  
Model: S-106/AB

### Specifications

Materials: Metal Body Structure  
Size: 463W x 628D x 1320H mm  
Drawer: 4 Layer Pull-Out Drawer with Ball Bearing Track  
Lock: Safety Lock come with minimum 2 Keys  
Handle: Polypropylene Races Handle  
Color Option: White

### Packaging

Packing: 1 Unit in 1 Box  
Carton Dimension: 615W x 472D x 1325H (mm)  
Net Weight: 43 kg +/-  
Gross Weight: 45 kg +/-  
M3: 0.387



5

## Pedestal File Drawer

Code: B38713203

### Specification

Model: QM 3D Mobile Pedestal  
Body Structure: Chipboard Melamine Laminated  
Body Dimension: 408W x 480D x 560H (mm)  
Shelves: 3 Layer adjustable  
Castor: 4 Heavy Duty Swivel  
Handle: Chrome Half Moon Design  
Lock: Door with safety Lock come with minimum 2 keys

### Packaging

Packing: 1 Unit in 1 Box  
Dimension: 495W x 415D x 510H (mm)  
Net Weight: 20.20 Kgs +/-  
Gross Weight: 21.00 Kgs +/-  
Volume: 0.1048 m3



## Wardrobe

Code: B38713405

Compartment with arch file Size, Hanging Bar and Drawer. Square mirror. Leaf Door with safety Lock come with minimum 2 Keys.

### Specification

Model: S-198 Full Height Swing Door Metal Wardrobe Metal Body Structure  
Size: 915W x 520D x 1828H m5  
Color Option: Fully Light Grey / Fully Beige

### Packaging

Knock-Down Unit  
Packing: 1 Unit in 1 Box  
Carton Dimension: 1680L x 570D x 160H (mm)  
Net Weight: 45.00 Kgs +/-  
Gross Weight: 48.00 Kgs +/-  
M3: 0.18

## Bunk Bed

Code: B38713403

### Specifications

Model : HO 901 Hostel  
Metal Body Structure  
Size : 1800W x 1000D x 2100H mm  
Finishing: Anti-rush epoxy powder coating  
Color Option: Maroon, Black, Silver

### Packaging

Packing : Wrapping 1 Box  
Carton Dimension : 1990W x 940D x 300H (mm)  
Nett Weight : 39.6 Kg +/-  
Gross Weight : 42.6 Kg +/-  
M3 : 0.00056



## Matress

Code: B362 35002

### Specifications

Two Foam with Polyester Cloth Cover Rebonk foam with 100mm thick

Size: 1900W x 910D x 100H mm

### Packaging

Packing : Plastic Wriping (1 Unit)  
Carton Dimension : 925W x 460D x 1838H (mm)  
Nett Weight : 1910W x 920D x 110H  
Gross Weight:  
M3: 0.019



Shelter Repair Kit comes in a bag, duffle type, coated polyethylene 180g/m<sup>2</sup>, 1300x1400mm, with the ASEAN logo on the cover

## Shelter Repair Kit

Code: B27163207

### Contents:

#### Rope

Polypropylene, black, diam.12mm, twisted, 30m

#### Handsaw

for timber 400mm blade

#### Nail

for roof sheets, galvanized + watertight washer, 0.5kg

#### Shovel

round point with Y handle, 1070mm +/- 50mm

#### Hoe

long handle, large type

#### Shears

straight, for metal sheet, semi hard 0.88mm, max. 255mm

#### Nail

iron, for wood, 75mm, 0.5kg

#### Nail

iron, for wood, 40mm, 0.5kg

#### Tie wire

galvanized, diam.1.5mm, 25m, roll

#### Claw hammer

carpenter type, 750g, wood handle





# Stationary Kit

Code: B38910002

## Contents

No	Item Name	Quantity	Units
1	Name Tag 2828 East-File 6.5x9cm (7379) 10'S	20	Each
2	Poucher Film150mic 60X90mm	20	Each
3	Cash Box, Steel, 250x90x180mm	1	Each
4	Nt L-500P	1	Each
5	Nt Cutter BI-150P (L)	1	Each
6	Opp PVC Tape 48X40m Brown Sweettape 120'S/Ctn	6	Each
7	Tape Dispenser Opp 2" With Spring 15009	1	Each
8	Cellophane Tape (Loy) 18X40yrd (8R) 96S	15	Each
9	Tape Dispenser (L) Core: 1" & 3"	5	Each
10	Cal Canon Ls-88Hi Iii (8) Desktop Black	2	Each
11	Cal Canon Ls-101H (10) Desktop	1	Each
12	PVC 2 Ring File A4 65mm Colour W/T Cover 3.5"	10	Each
13	Tape Dispenser Opp 2" With Spring 15009	1	Each
14	Cellophane Tape (Loy) 18x40yrd (8R) 96S	15	Each
15	Tape Dispenser (L) Core: 1" & 3"	5	Each
16	Cal Canon Ls-88Hi Iii (8) Desktop Black	2	Each
17	Cal Canon Ls-101H (10) Desktop	1	Each
18	PVC 2 Ring File A4 65 mm Colour W/T Cover 3.5"	10	Each
19	Index Divider A4 5 Colour Uew 105 (10Set/Pack)	5	Set
20	Index Divider A4 10 Colour Uew 510 (5Set/Pack)	5	Each

Stationary Kit comes  
in four-boxes per set



# Programme Support Materials

B36235001

## Personal Hygiene Kit



2

B42918701

## Kitchen Set



4



ASEAN PERSONAL HYGIENE KIT

Description

Total  
Quantity

Unit

KG  
SOAP BAR  
TUBE

PC  
PACKS  
PC

B27163224

## Tunnel Shape Family Tent



1

B36235002

## Family Kit





# Tunnel Shape Family Tent

Code: B27163224



## Specifications

Model:

Size:

Materials:

Water vapor permeability:

Standard occupancy:

Gross Weight:

Volume:

Packaging:

Visibility:

Octagonal Shape

Inner area: 16 m<sup>2</sup> (4x4m)

Outer area: 3.5 m<sup>2</sup>

Poly-Cotton: (Polyester/Cotton blended fibers Yarns).

Cotton: 40% (±10), polyester: 60% (±10) =

Polyester: 50% to 70%, with balance in cotton.

Minimum 2000g/m<sup>2</sup>/24h

5 (five) persons.

70.5 kg

0.18 m<sup>3</sup>

Palletized Wooden Crate 120 x 40 x 30 cm

ASEAN Logo

Japan – ASEAN Integration Fund (JAIF) Logo

1



## 2 Personal Hygiene Kit

Code: B362 35001



Contents	Units
Landry Powder	1
Sanitary Pad	2
Hand Towel	1
Tooth Brush	1
Tooth Paste	1
Toilet Soap	2
Hair Shampoo	1

Personal Hygiene Kit comes in 32W x 20D x 17H mm box



Family Kit comes in 55W x 40D x 38H mm box

## 3 Family Kit

Code: B36235002



Contents	Units
Plastic Bucket	1
Water Bags	2
Towels	5
T-shirts	5
Mosquito Net	2
Candles	5
FM Radio	1



Family Kit comes in  
30W x 30D x 20H mm box



4

**Kitchen Set**

Code: B42918701



Contents	Units
Large Pots	2
Saucepan	1
Plates	5
Bowl	5
Spoon	5
Knife	5
Fork	5
Cups	5
Cutting Knife	1
Wooden Scoop	1

# Other Support Materials

B36235001

MSU Tent

1

4

B42918701

Stationary Kit  
Combo

B46116319

## Diesel Generator

4

B42918701

## Aluminum Utility Boat

2



# Specifications

## Other Support Materials

### Aluminium Utility Boat

Code: B362 35002



#### Material

A robust, lightweight, no nonsense workhorse, built from 4mm 5083 marine-grade aluminum, designed to meet strength and stability requirements for commercial craft.

#### Water Cruising

5.8m Aluminum Utility Boats are designed for Cat C Waters and meet the appropriate ISO standards Stability including the Offset Load Test and Level Floatation Standard, Swamped Stability Test and Swamped Buoyancy Tests.

#### Ancillaries for Boat

Paddle: 4 units  
Stainless Steel Anchor: 1 unit  
Nylon Floatable rope: 1 pc (5 metres)

#### Supported equipment and consumables

Yamaha 40 pk Gasoline Engine: 1 unit  
Dry Charged Battery: 1 unit  
4 stroke Engine Oil: 3 bottles  
Fuel Filter F40FEHDL: 10 pcs  
Battery Charger: 1 pcs  
Spark Plug Yamaha F40FEHDL: 6 pcs





## MSU Tent

Code: B362 35002

1

### Specifications

Cover Material:	PVC covers, extra UV protection – Stabilized
Frame Material:	Dipped Galvanized Steel
Size:	10 mtrs (Width) x 24 mtrs (Length)
Made in:	Norway
Packaging:	Palletize and wooden crate
Weight:	4,288 kgs
Packing Dimension:	7.56 m3
Transport:	By Air C-130
Cost per Unit:	US 22,581.00
Minimum Stock:	7 units





## Diesel Generator

Code: B46116319

4

### Specifications

Europower open generating sets with Kubota water-cooled diesel engines, 3000rpm, 50Hz, 4 stroke engine

Brand Type:	Kubota D1105
HP:	25.8
Power:	16.4kW (3000rpm), 3-Cylinder Diesel, Water-cooled
Displacement:	1123cm <sup>3</sup>
Consumption @75% load:	4.5 ltrs/hours
Tank:	55 ltrs
Autonomy @75% load:	12.2 ltrs
Noise level:	81dB(A)@7m = LWA (*)

### Generator

kVA max:	18
kVA cont:	17
Amps cont.	27A at 1~230V 20A at 3~400V
Dimensions l x w x h:	130 x 64 x 86cm
Weight:	320kg (incl. oil + coolant, excl. fuel)

### Alternator

Brand/Type:	Mecc Alte ECP3-2L/2 ~ brushless
Nominal voltage:	3~400V and 1~230V
Frequency:	50Hz
Protection degree:	IP23
Total Gross Weight:	600 kgs (with mounted wheel)

## Power Transfer Unit

Code: B362 35002

### Specifications

Europower open generating sets with Kubota water-cooled diesel engines, 3000rpm, 50Hz, 4 stroke engine

## Telescopic Lighting Equipment

Code: B46530024

### Specifications

Generator Model:	Launtop LDG6000S
Frequency (HZ):	50/60
Rated AC Output (kW):	4.5/5.0
Voltage (V):	110-240
D.C Output (V-A):	2/8.3
Dimension (mm):	910 (L) x 540 (W) x 740 (H)
Engine Model:	LA186FAFG
Starting System:	Electric
Fuel Tank Capacity:	16 Litres
Lamp:	Metal Halide 400W x 4
Bulb Life Span:	8,000 hours
Lamp Frame Extension:	2300 – 4300mm (7'7" – 14'3")
Net Wight:	295 kg





## Outdoor Lighting System

Code: B46530023

### Description

4500 Kelvin colour temperature street light, made from die-cast aluminium heat sink with optical lens and adjustable jolder. IP65. Come with cables and extensions, T-joint connecctors, end plug and security on-off switch. Total weight: 34.5kg

Each Outdoor & Indoor light sets come with the neccessary cables, each in its own respectives lockable plywood box. Dimensions: 750W x 362D x 400H mm.



## Indoor Lighting System

Code: B46530022

### Description

W-30LED Triproof, 30W, 100-277V, AC. Comes with 4m connections cables for between lamps (male-female), 10m extension cable, on-off switch 230V and 100 strips cable ties. Total weight: 32.5kg



# VacuScan Toilet System

Code: B48179502

The VacuSan is a complete toilet and shower kit with handwashing facilities. By using a vacuum pump, like in toilets in airplanes, this product reduces water use and sewage output by up to by 90%. The product provides a high level of hygiene and comfort is easy to deploy and operate, and can meet the needs of over 40 people for five weeks before requiring sewage removal.

The Vacusan is ideal for base and staff camps, field hospitals, and any situation that requires a reliable, flexible, and/or rapid toilet solution.

### Technology

The pump creates a constant vacuum, macerating sewage and pumping it to a temporary storage tank (or local treatment system if available). Unlike other systems the VacuSan is not reliant on gravity for waste transport, making it suitable for most terrain types, indoors or outdoors, and with minimal or no ground preparation. The cabinets are assembled without any digging. The system can be set-up and operational without tools in under one hour. Comprehensive manuals for installation and maintenance are provided and no specialist skills are required.

### System requirements

Electrical power source (220 V standard, 110 V on request) and water. Can be installed inside building/ shelter if required (cold climates etc.)

### Contents

The standard VacuSan system consists of 4 toilet and 4 shower cabinets, 2 x 5000 Liter pillow tanks (one for raw water and one for sewage), vacuum unit, water pressure pump, hoses, spare parts, tools for repairs, and documentation.

### Capacity

The 4 toilets and 4 showers set-up has sufficient capacity to cater for up to 200 people. It can also be easily adapted for various requirements, and it is possible to add cabinet modules of one toilet and one shower cabinet. With a single vacuum pump you can have in total 6 toilets. If you upgrade to a second vacuum pump you can have up to 12 toilets. A set-up of 12 people would be sufficient for 600 persons.

# Hygieniser - Sewage Pasteurisation Unit

Code: B56226201

### About the Product

The Hygieniser pasteurises 120 litres of sewage per cycle, heating it to a temperature which eliminates all bacteria before pumping the sterilised sewage to a chosen collection point. It is made with simple and reliable technology, using commonly available parts, making repairs and maintenance easy and straight forward.

The entire unit comes mounted on 1 pallet, and can be attached in series to existing sanitation systems, such as A-Aqua's VacuSan toilets and showers. The only inputs are diesel and electrical power for the pump and heat source.

### Specifications

Capacity:	120 litres. Scalable with additional units running in parallel.
Intended use:	Staff camps and field hospitals
Installation & Maintenance:	Plug & Play, minimum maintenance
Storage:	Dry environment above 0 degrees
Optional Extras:	VacuScan Sanitation System - Toilet & Shower Solution for Staff Camps & Field Hospitals

### Shipping data

Total Volume:	0.58m <sup>3</sup>
Total Weight:	102kg
Dimensions Pallet:	120cm x 80cm x 160cm



# Item List

## Operational Support Materials

Item Name	Product Code	Units
Infatable Lightweight Tent	B27163019	
Folding Desk	B38713205	
Chair	B38713406	
Four-Drawer Filing Cabinet	B38713207	
Pedestal File Drawer	B38713203	
Wardrobe	B38713405	
Bunk Bed	B38713403	
Matress	B36235002	
Shelter Repair Kit	B27163207	
Stationary Kit	B38910002	

## Programme Support Materials

Item Name	Product Code	Units
Tunnel Shape Family Tent	B27163224	
Personal Hygene Kit	B36235001	
Family Kit	B36235002	
Kitchen Set	B42918701	

## Other Support Materials

Item Name	Product Code	Units
MSU Tent	B36235002	
Aluminium Utility Boat	B36235002	
Diesel Generator	B46116319	
Power Transfer Unit	B36235002	
Telescopic Lighting Equipment	B46530024	
Indoor Lighting System	B46530022	
Outdoor Lighting System	B46530023	
VacuScan Toilet System	B48179502	
Hygieniser - Sewage Pasteurisation Unit	B56226201	



Supported by



ASEAN Coordinating Centre for Humanitarian Assistance  
on disaster management

Badan Pengkajian dan Penerapan Teknologi  
(BPPT) 1st Building, 17th floor  
Jalan MH. Thamrin No. 8  
Jakarta 10340  
Indonesia

Tel. (62 21) 2305006  
Email. [info@ahacentre.org](mailto:info@ahacentre.org)  
URL [www.ahacentre.org](http://www.ahacentre.org)