

ANNEX A

SPECIFICATIONS OF VEHICLE ACCESSORIES

The items requested are grouped in four categories. Participants can bid for each category individually. Please pay attention to the compatibility requirement of bullbar and winches though.

Please quote on following INCOTERMS (2010)

INCOTERM I: FCA Factory/Stock

INCOTERM II: DAP Laem Chabang/Thailand

Consignee

RMA Automotive Co.,Ltd.
203, Laem Chabang Export Industrial Zone,
Laem Chabang Industrial Estate,
Moo 3, Sukhumvit Road, Tungsukhla,
Sriracha Chonburi 20230,
Thailand

INCOTERM III: DAP Brussels/Belgium

Consignee

N.V. REIBEL S.A.
Chaussée de Vilvoorde,
11, Vilvoordsteenweg
B-1120 BRUSSELS

Sea freight shall be considered for DAP INCOTERMS

1. Bull bars and roof racks

2. Electric Winches

3. Shatter resistant film

4. Others

Category 1 - Bull bars and Roof racks (load carrying)

1.1 Bull bar for Toyota Prado

The Bull bar incorporates a tapered channel replacing the original bumper to enhance the approach and departure angles.

- Manufactured from black powder coated steel
- Must be an air bag compatible (with relevant models) mounting system that secures to chassis via high tensile bolts;
Acceptance criteria: documented evidence of full barrier crash test required, evidenced work with OEM partner on frontal protection system.
Required document: test report and proof of evidenced work with OEM partner
- Must have facility to mount HF Radio Antenna (RHD / LHD)
- Must have facility to mount Fog lamps
- Two (2) high lift jacking points (T points),
Test methodology: Jack from centre lower edge of bull bar (worst case location) until front wheels are in the air.
Acceptance criteria: <10mm permanent deflection, <20% clamp load loss, No functional damage to Bull bar or chassis
Required document: objective test description and report
- It has to support installation of a selected range of winches – **compatibility of winch and bull bar is essential.**
Acceptance criteria: dynamic testing to show no deformation of winch cradle under peak load.
Required document: test report
- The raised centre section must allow for the fitting of large diameter driving lights.
- Retains original equipment tow points
- In case the participating vendor is not the manufacturer the manufacturer name and location of the factory(address) has to be provided.
- CAD drawing and pictures must be provided

1.2 Bull bar for Toyota Land Cruiser 70s

The Bull bar incorporates a tapered channel replacing the original bumper to enhance the approach and departure angles.

- Manufactured from black powder coated steel
- Must be an air bag compatible (with relevant models) mounting system that secures to chassis via high tensile bolts;
Acceptance criteria: documented evidence of in-house full barrier crash test required, evidenced work with OEM partner on frontal protection system.
Required document: test report and proof of evidenced work with OEM partner
- Must have facility to mount HF Radio Antenna (RHD / LHD)
- Must have facility to mount Fog lamps
- Two (2) high lift jacking points (T points),
Test methodology: Jack from centre lower edge of bull bar (worst case location) until front wheels are in the air.
Acceptance criteria: <10mm permanent deflection, <20% clamp load loss, No functional damage to Bull bar or chassis
Required document: objective test and report
- It has to support installation of a selected range of winches – **compatibility of winch and bull bar is essential.**
Acceptance criteria: dynamic testing to show no deformation of winch cradle under peak load.
Required document: test report

- The raised center section must allow for the fitting of large diameter driving lights.
- Retains original equipment tow points
- In case the participating vendor is not the manufacturer the manufacturer name and location (address) has to be provided
- CAD drawing and pictures must be provided

1.3 Bull bar for Toyota LC 200

The Bull bar incorporates a tapered channel replacing the original bumper to enhance the approach and departure angles.

- Manufactured from black powder coated steel
- Must be an air bag compatible (with relevant models) mounting system that secures to chassis via high tensile bolts;

Acceptance criteria: documented evidence of in-house full barrier crash test required, evidenced work with OEM partner on frontal protection system.

Required document: test report and proof of evidenced work with OEM partner

- Must have facility to mount HF Radio Antenna (RHD / LHD)
- Must have facility to mount Fog lamps
- Two (2) high lift jacking points (T points),

Test methodology: Jack from centre lower edge of bull bar (worst case location) until front wheels are in the air.

Acceptance criteria: <10mm permanent deflection, <20% clamp load loss, No functional damage to Bull bar or chassis

Required document: objective test and report

- It has to support installation of a selected range of winches – ***compatibility of winch and bull bar is essential.***

Acceptance criteria: dynamic testing to show no deformation of winch cradle under peak load.

Required document: test report

- The raised centre section must allow for the fitting of large diameter driving lights.
- Retains original equipment tow points
- In case the participating vendor is not the manufacturer the manufacturer name and location (address) has to be provided
- CAD drawing and pictures must be provided

1.4 Bull bar for Nissan Patrol (ZD30)

The Bull bar incorporates a tapered channel replacing the original bumper to enhance the approach and departure angles.

- Manufactured from black powder coated steel
- Must be an air bag compatible (with relevant models) mounting system that secures to chassis via high tensile bolts;

Acceptance criteria: documented evidence of in-house full barrier crash test required, evidenced work with OEM partner on frontal protection system.

Required document: test report and proof of evidenced work with OEM partner

- Must have facility to mount HF Radio Antenna (RHD / LHD)
- Must have facility to mount Fog lamps

- Two (2) high lift jacking points (T points),
Test methodology: Jack from centre lower edge of bull bar (worst case location) until front wheels are in the air.
Acceptance criteria: <10mm permanent deflection, <20% clamp load loss, No functional damage to Bull bar or chassis
Required document: objective test and report
- It has to support installation of a selected range of winches – ***compatibility of winch and bull bar is essential.***
Acceptance criteria: dynamic testing to show no deformation of winch cradle under peak load.
Required document: test report
- The raised centre section must allow for the fitting of large diameter driving lights.
- Retains original equipment tow points
- In case the participating vendor is not the manufacturer the manufacturer name and location (address) has to be provided
- CAD drawing and pictures must be provided

1.5 HEAVY DUTY ROOF RACK WITH MOUNT FOR SPARE WHEEL FOR TOYOTA LAND CRUISER LC76 AND LC78

Heavy-duty roof rack made of round tube constructed in steel and be supplied in black powder coating finish.

- MIG welding to be used on the joins to ensure the optimum strength of each rack.
- Evenly spaced crossed bars to support the load which is rated to carry up to 150 kg.
- Stainless steel made feet and legs to be supplied.
- Top rail to sit well above rack floor to ensure a secure load.
- Height of feet from rack to base of roof should be measured to meet Toyota Land Cruiser 76 and 78 requirements.
- The removable spare wheel holder made of steel and supplied in black powder coating finish.
- CAD drawing and picture to be provided

1.6 HEAVY DUTY ROOF RACK WITH MOUNT FOR SPARE WHEEL FOR TOYOTA LAND CRUISER DOUBLE CABIN PICK-UP LC79

Heavy-duty roof rack made of round tube constructed in steel and be supplied in black powder coating finish.

- MIG welding to be used on the joins to ensure the optimum strength of each rack.
- Evenly spaced crossed bars to support the load which is rated to carry up to 150 kg.
- Stainless steel made feet and legs to be supplied.
- Top rail to sit well above rack floor to ensure a secure load.
- Height of feet from rack to base of roof should be measured to meet Toyota Land Cruiser HZJ79 Double Cabin Pick Up requirements.
- The removable spare wheel holder made of steel and supplied in black powder coating finish.
- CAD drawing and picture to be provided

1.7 HEAVY DUTY ROOF RACK WITH MOUNT FOR SPARE WHEEL FOR NISSAN PATROL (ZD30)

Heavy-duty roof rack made of round tube constructed in steel and be supplied in black powder coating finish.

- MIG welding to be used on the joins to ensure the optimum strength of each rack.
- Evenly spaced crossed bars to support the load which is rated to carry up to 150 kg.
- Stainless steel made feet and legs to be supplied.
- Top rail to sit well above rack floor to ensure a secure load.
- Height of feet from rack to base of roof should be measured to meet Nissan Patrol STD requirements.
- The removable spare wheel holder made of steel and supplied in black powder coating finish.
- CAD drawing and picture to be provided

Category 2 - Electric Winch

2.1 Winch – wire rope (WARN or equivalent)

Winch to be mounted on winch bar or bull bar minimum requirement.

- Rated line pull: 4,080 kg (9,000lbs) single-line
- Motor: 4.6hp, 12V
- Geartrain: 3-Stage planetary
- Gear ratio: 156:1
- Clutch (freespooling): Sliding ring gear
- Brake: Automatic cone brake
- Drum diameter/Length: 6.4cm/23cm (2.5in/9.0in)
- Weight: 35kg
- Wire Rope size: 30m x 8 mm
- Wire Rope Type: Galvanised steel
- Fairlead: Roller
- Battery leads: 2 gauge, 1.83m (72 in)
- Finish: Powder Coat
- Wire and Wireless Remote control (3.7 m)
- Winch must be compatible with the bull bars proposed.
- Winch installation and user guide needs to be provided
- Price needs to include the user guide.
- Dimension: L55cm/D16cm/H19cm
- Provide picture and drawings

2.2 Winch – synthetic rope (WARN or equivalent)

Winch to be mounted on winch bar or bull bar minimum requirement.

- Rated line pull: 4,080 kg (9,000lbs) single-line
- Motor: 4.6hp, 12V
- Geartrain: 3-Stage planetary
- Gear ratio: 156:1
- Clutch (freespooling): Sliding ring gear
- Brake: Automatic cone brake

- Drum diameter/Length: 6.4cm/23cm (2.5in/9.0in)
- Weight: 35kg
- Synthetic Rope length: 30m
- Fairlead: Roller
- Battery leads: 2 gauge, 1.83m (72 in)
- Finish: Powder Coat
- Wire and Wireless Remote control (3.7 m)
- Winch must be compatible with the bull bars proposed.
- Winch installation and user guide needs to be provided
- Price needs to include the user guide.
- Dimension: L55cm/D16cm/H19cm
- Provide pictures and drawings

Category 3 – Shatter Resistant Film

3.1 SHATTER RESISTANT FILM FOR VEHICLES

Film is a single-layer 7 mil clear abrasion resistant safety and security window film, 175 Microns.

- Color: Clear
- Length: 100 Linear Foot
- Thickness: 7 Milli-inch (mil)
- Width: 60 Inch
- Provide full specs of the film and user guide

Category 4 – Others

4.1 Heavy Duty Jump Lead

Manufactured from quality PVC copper cable for maximum power transfer

- Length: 4-6 metre cable length for flexible use
- Cable section: minimum 25mm
- Colour coded insulated clamps for ease of use
- Surged protected
- Resistant to grease, oil and most acids
- Capacity 600-800 A
- The leads have insulated robust steel clips with large integral springs
- Provide pictures

4.2 HIGH-LIFT JACK WITH ADAPTER AND 4XRAC MOUNTING SET

High-lift jack manufactured from high yield and tensile iron castings with durable powder-coated finish.

- All cast iron
- Heights: min. 120 cm / 48 inches
- Capacity: min. 3150 kg

- Suitable for lifting and winching.
- Low pick up point, 1 cm from base.
- Lifting nose min. 10 cm.
- **Adapter** for use with tubular slot jacking points on bumpers, sidebars and chassis points.
- Manufactured from powder coated steel
- Drawings and pictures required

4.3 High Lift jack mounting brackets for roof rack

- Mounting solution for the high lift jack on the roof rack
- Please provide drawings and pictures

4.4 High Lift jack mounting bracket for the inside of the vehicle

Mounting solution for the high lift jack inside the vehicle for following models

- Toyota Land Cruiser 76, 78, 79 (SC), 79 (DC)
- Toyota Hiace
- Toyota Land Cruiser 150 (Prado)
- Toyota Hilux SC/DC
- Nissan Patrol

Drawings and pictures required.

4.5 PUNCTURE REPAIR KIT

For standard tires of following models:

- Toyota Land Cruiser 70series
- Toyota Hiace and Corolla
- Toyota Land Cruiser 150 (Prado)
- Toyota Hilux SC/DC
- Nissan Patrol

4.6 TOW ROPE

- Made of nylon
- Tows up to 3500 kg
- 2 convenient heavy duty snap hooks
- Length: 4.0 m – 4.5 m
- Pictures and drawings required

4.7 SPARE WHEEL FOR TOYOTA LAND CRUISER 70s

Spare wheel for Toyota Land Cruiser 70s; including rim and tyre – tyre size: 7.50R16-8

4.8 SPARE WHEEL FOR NISSAN PATROL STD

Spare wheel for Nissan Patrol STD; including rim and tyre – tyre size: 235/80R16

4.9 SNOW CHAIN FOR TOYOTA LAND CRUISER 70s

Pair of snow chain for Toyota Land Cruiser 70s; Tyre size: 7.50R16

Provide drawing and picture.

4.10 SNOW CHAIN FOR TOYOTA PRADO

Pair of snow chain for Toyota Prado; Tyre size: 245/70R17

Provide drawing and picture.

4.11 SNOW CHAIN FOR TOYOTA HILUX PICK-UP

Pair of snow chain for Toyota Hilux Double Cabin Pick-up 2.5 TD; Tyre size: 225/70R17

Provide drawing and picture.

4.12 SNOW CHAIN FOR TOYOTA COROLLA

Pair of snow chain for Toyota Corolla 1.8 GLI; Tyre size: 205/55R16

Provide drawing and picture.

4.13 SNOW CHAIN FOR TOYOTA CAMRY

Pair of snow chain for Toyota Camry 2.5; Tyre size: 215/60R16

Provide drawing and picture.

4.14 SNOW CHAIN FOR TOYOTA HIACE MINI-BUS

Pair of snow chain for Toyota Hiace mini-bus; Tyre size: 195/R15

Provide drawing and picture.

4.15 SNOW CHAIN FOR NISSAN PATROL

Pair of snow chain for Nissan Patrol; Tyre size: 235/80R16

Provide drawing and picture.

4.16 Hand Winch

- Free spool for quick set up.
- Rated Pulling Capacity: 2400 kg
- Rated Lifting Capacity: 1600 kg
- Wire Rope Length: 20 m
- Wire Rope Diameter: 11 mm
- Unit Dimension: 545x280x97
- Handle Length extended: 1200 mm
- Weight: 12 kg
- Packed: in heavy duty carry bag
- Provide pictures and drawing

4.17 Metal Jerry Can (NATO)

20 L jerry can made of steel.

- Fitted with flexible spout for fuel and slide lock.
- breathing channel
- drawings and pictures required

4.18 Jerry Can Holder

Lockable jerry can holder for 2 x 20 L metal jerry can.

- Mountable on roof rack.
- Needs to be compatible with any kind of roof rack
- Fitted with adjustable locking steel clasp.
- Holder is made of black powder coated stainless steel.
- Drawing and pictures required

4.19 Flexible Sand Ladder, Pair

Fiber made recovery track sand ladders.

- Length: approx. 1.5 m
- Galvanized steel cables and fitting
- Rungs manufactured from heavy duty rubber
- Packed in robust carry bag
- Drawing and pictures required

4.20 Foldable Shovel, Heavy Duty, suitable for sand, snow and mud

The blade of the foldable shovel is made of steel; the handle is made of plastic.

- Dimension of the folded shovel LxW: approx. 240 x 160
- Dimension of the blade: LxW: approx. 205 x 156 mm
- Length of the shovel with handle (extended): approx. 580 mm
- Weight: approx. 1000 g
- Dual positioning, shovel or hoe
- Foldable shovel packed in a fabric bag.
- Drawing and pictures required

4.21 Work Gloves

Leather Palm Work Gloves with Safety Cuff

- Economy grade split leather-palm glove with safety cuff made with a striped canvas back and knit wrist. Provide protection from handling dangerous debris.
- Large size.
- Drawing and pictures required

4.22 Reflecting Security Vest

Security vest which is stored in the vehicle with two reflecting stripes running horizontal

- Class 2 Economy Poly Mesh Zippered Hi Viz Lime Vest
- Reflecting stripes of min 5 cm width
- With reflective imprinting in the back and front: UNHCR Global Fleet Management (or similar logo)
- Logo size: to fit the back of the vest, front to fit the left upper part of the vest
- Logo must be reflective
- Please quote the vest with and without imprinted logos.
- Provide picture