ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES								
CODE	**DESCRIPTION**	**UNIT**	**QUANTITY**	**RATE**				**AMOUNT**
				Long Wheel Base (LWB)	**Standard Cap / Single Cap**	**Double Cap (Double Capacity / Twin Cap)**	**Extended Cap (Extension Cap**	
CANOPIES								
STD CAN	**STD CAN: FIBREGLASS CANOPY HALF DOOR FOR LDV DOUBLE CAB / EXTENDED CAB / SINGLE CAB TO BE FITTED TO LDV'S THAT DOES NOT REQUIRES A LADDER RACK**	**No**	**1**	R -	R -	R -	R -	**R -**
CAN3	**CAN3: FIBREGLASS FULL DOOR CANOPY FOR LDV DOUBLE CAB / EXTENDED CAB / SINGLE CAB - REINFORED TO ACCOMMODATE A LADDER RACK. (ROLL CAGE OR INTERNAL FRAME REQUIRED FOR LADDER RACK)**	**No**	**1**	R -	R -	R -	R -	**R -**
CAN4	**CAN4: FIBREGLASS CANOPY HALF DOOR FOR LDV DOUBLE CAB / EXTENDED CAB / SINGLE CAB - REINFORED TO ACCOMMODATE A LADDER RACK. (ROLL CAGE OR INTERNAL FRAME REQUIRED FOR LADDER RACK)**	**No**	**1**	R -	R -	R -	R -	**R -**
CAN5	**CAN5: AA TYPE OR BUTTERFLY TYPE CANOPY FOR A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**No**	**1**	R -	R -	R -	R -	**R -**
CAN6	**CAN6 : ROLL ON ALUMINIUM BAKKIE COVER - SMART COVER OR ARMADILLO / ROLLER DOOR**	**No**	**1**	R -	R -	R -	R -	**R -**
CAN7	**CAN7: ALUMINIUM HALF DOOR CANOPY WITH TILT-UP / LIFT-UP SIDE DOORS FOR A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**No**	**1**	R -	R -	R -	R -	**R -**
CAN8	**CAN8 : ALUMINIUM CANOPY WITH SLIDING TABLE/DRAWER SYSTEM, LADDER RACK AND LIGHTS FITTED ONTO INTERNAL FRAME FOR A LDV SINGLE CAB**	**No**	**1**	R -	R -	R -	R -	**R -**
CAN9	**CAN9 : ALUMINIUM CANOPY WITH SLIDING TABLE/DRAWER SYSTEM, LADDER RACK AND LIGHTS FITTED ONTO INTERNAL FRAME FOR A LDV EXTENDED CAB**	**No**	**1**	R -	R -	R -	R -	**R -**
CAN10	**CAN10: ALUMINIUM CANOPY WITH SLIDING TABLE/DRAWER SYSTEM, LADDER RACK AND LIGHTS FITTED ONTO INTERNAL FRAME FOR A LDV DOUBLE CAB**	**No**	**1**	R -	R -	R -	R -	**R -**
CAN11	**CAN11 : FIBREGLASS CANOPY HALF DOOR WITH TILT-UP / LIFT-UP SIDE DOORS FOR A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**No**	**1**	R -	R -	R -	R -	**R -**

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES								
CODE	DESCRIPTION	UNIT	QUANTITY	RATE				AMOUNT
				Long Wheel Base (LWB)	Standard Cap / Single Cap	Double Cap (Double Capacity / Twin Cap)	Extended Cap (Extension Cap	
SUPPORT								
HD SUS	**HD SUS: HEAVY DUTY REAR SUSPENSION TO ACCOMMODATE A PERMANENT LOAD OF +_500KG ON THE LOADBODY FOR A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**No**	**1**	R -	R -	R -	R -	**R -**
RBR3	**RBR3 ROLL CAGE - TO BE FITTED TO VEHICLE LOAD BOX BASE TO ACCOMMODATE A LADDER RACK FOR A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**No**	**1**	R -	R -	R -	R -	**R -**
RBR1	**RBR1 FRONT ROLL BAR TO BE FITTED TO A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**No**	**1**	R -	R -	R -	R -	**R -**
INT FRAME	**INT FRAME: INTERNAL FRAME FITTED ON LOADBODY OF LDV FOR SUPPORT. Fitted as a stand-alone for ladder rack or inside canopies.**	**No**	**1**	R -	R -	R -	R -	**R -**
	CONDUCTOR CUPBOARD FOR INTERNAL FRAME	**No**	**1**	R -	R -	R -	R -	**R -**
	DRAWER SYSTEM FOR INTERNAL FRAME	**No**	**1**	R -	R -	R -	R -	**R -**
	CARGO SLIDE FOR INTERNAL FRAME	**No**	**1**	R -	R -	R -	R -	**R -**
	LADDER RACK FOR INTERNAL FRAME	**No**	**1**	R -	R -	R -	R -	**R -**
LADDER RACKS								
LR1	**LR1 DOUBLE LADDER RACK HALF LENGTH MOUNTED ON TOP OF ROLL-CAGE ON LDVS.**	**No**	**1**	R -	R -	R -	R -	**R -**
LR2	**LR2 SINGLE LADDER RACK HALF LENGTH MOUNTED ON TOP OF ROLL-CAGE ON LDVS.**	**No**	**1**	R -	R -	R -	R -	**R -**
LR5	**LR5 DOUBLE LADDER RACK HALF LENGTH WITH SIDE LADDER (COASTAL) MOUNTED ON TOP OF ROLL-CAGE ON LDVS.**	**No**	**1**	R -	R -	R -	R -	**R -**
CLAMP	**LADDER CLAMP**	**No**	**1**	R -	R -	R -	R -	**R -**

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES								
CODE	DESCRIPTION	UNIT	QUANTITY	RATE				AMOUNT
				Long Wheel Base (LWB)	Standard Cap / Single Cap	Double Cap (Double Capacity / Twin Cap)	Extended Cap (Extension Cap	
TOOLBOXES								
BOX	**ALUMINIUM STORAGE BOX TO BE FITTED BEHIND THE SEATS OF EXTENDED CAB / SUPER CAB VEHICLES.**	**No**	**1**	R			-	**R** -
TBX1	**TBX1 SINGLE TOOLBOX BEHIND CAB (STEEL)**	**No**	**1**	R			-	**R** -
TBX2	**TBX2 ONE SINGLE TOOLBOX MOUNTED ALONG THE SIDE OF LOAD BOX - FROM BEHIND CAB TO TAILGATE.**	**No**	**1**	R			-	**R** -
TBX4	**TBX4 LINK STICK HOLDER**	**No**	**1**	R			-	**R** -
TBX5	**TBX5 ONE SINGLE TOOLBOX MOUNTED IN FRONT OF VEHICLE LOAD BOX AND ONE TOOL BOX MOUNTED ON EITHER SIDE OF LOAD BODY WITH HINGED LID AND SLAM LOCKS (FULL LENGTH)**	**No**	**1**	R			-	**R** -
TBX6	**TBX6 (EL) TWO SINGLE TOOLBOXES MOUNTED EITHER SIDE OF LOAD BODY AND ONE TOOLBOX MOUNTED BEHIND CAB WITH HINGED LIDS MADE FROM ALUMINIUM CHECKER PLATE. SUITABLE FOR LWB AND SWB VEHICLES**	**No**	**1**	R			-	**R** -
TBX7	**TBX7 (EL) TWO SINGLE TOOLBOXES MOUNTED EITHER SIDE OF LOAD BODY AND ONE TOOLBOX MOUNTED BEHIND CAB WITH HINGED LIDS MADE FROM ALUMINIUM TREAD PLATE. SUITABLE FOR DOUBLE CAB VEHICLE**	**No**	**1**	R			-	**R** -
TBX PV WOOD	**TBX PV WOOD : WOODEN TOOLBOXES, SIDES AND PARTITION FOR PANELVAN**	**No**	**1**	R			-	**R** -
WOODEN PV LOAD	**WOODEN PV LOAD: PANELVAN STORAGE AREA LINED WITH WOODEN FLOOR AND SIDES**	**No**	**1**	R			-	**R** -
TBX LDV WOOD	**TBX LDV WOOD : WOODEN SIDE TOOLBOXES FOR LDV**	**No**	**1**	R			-	**R** -
WOODEN LDV LOAD	**WOODEN LDV LOAD: LDV LOADBIN LINED WITH WOODEN FLOOR AND SIDES**	**No**	**1**	R			-	**R** -

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES								
CODE	DESCRIPTION	UNIT	QUANTITY	RATE				AMOUNT
				Long Wheel Base (LWB)	Standard Cap / Single Cap	Double Cap (Double Capacity / Twin Cap)	Extended Cap (Extension Cap	
SAFETY								
RUB	**RUBBERISING LOAD BIN OF AN LDV: DOUBLE CAB, SINGLE CAB, EXTENDED CAB**	**No**	**1**	R -	R -	R -	R -	**R -**
FIRE	**FIRE EXTINGUISHER AND BRACKET**	**No**	**1**	R			-	**R -**
PDC F	**PDC F: PARK DISTANCE CONTROL ASSISTS ON FRONT BUMPER (PDC). ON ANY SEDAN OR LDV**	**No**	**1**	R			-	**R -**
PDC R	**PDC R: PARK DISTANCE CONTROL ASSISTS ON REAR BUMPER (PDC). ON ANY SEDAN OR LDV**	**No**	**1**	R			-	**R -**
TINT	**SMASH AND GRAB TINTING OF WINDOWS**	**No**	**1**	R			-	**R -**
LIGHTS								
EL1	**EL1: WORKING LIGHTS LED 60W FLOOD LAMPS ON LADDER RACK OF LDV**	**No**	**1**	R			-	**R -**
EL2	**EL2: AMBER ROTATING LIGHT / STROBE TYPE.**	**No**	**1**	R			-	**R -**
DRL	**DRL: LED DAYTIME RUNNING LAMPS. ON ANY SEDAN OR LDV**	**No**	**1**	R			-	**R -**

TOTAL CARRIED TO FORM OF OFFER	**R -**

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ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**STD CAN: FIBREGLASS CANOPY HALF DOOR FOR LDV DOUBLE CAB / EXTENDED CAB / SINGLE CAB TO BE FITTED TO LDV'S THAT DOES NOT REQUIRES A LADDER RACK**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	**A standard canopy with or without windows designed to be fitted to the rim of the load bin of a single cab/ double cab/ extended cab LDV. NOT INTENDED FOR LADDER RACK**			
Dimensions	Height same as vehicle cab roof.			
	Length and width according to vehicle load box dimensions			
Door	Rear Door to be as large as practically possible			
	Rear Door to have 2 x lockable handle.(single key/canopy)			
	Self locking latches and cables to be used as locking system.			
Colour	WHITE to match the specific colour code of the vehicle.			
Construction	Min 4 Layers of fibre glass must be used in the construction of the canopy for strength			
	Minimum thickness of canopy roof 4mm			
Mounting points	Canopy to be mounted according vehicle OEM specifications.			
Lights	Interior canopy light to be std.			
Additional request	Dust proofing of the tailgate to accomplish dust free compartment.			
	Fitment of a two external vents plastic or glass fibre to pressurised the canopy while driving.			
WARRANTY	Minimum manufacturers warranty--Specify			
Windows (OPTIONAL)	2 windows either side of which the rear windows must slide open			
	Size of front window to equal the size of cab window			
	Door window to be as large as practically possible			
	Tear drop window fitted to rear			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		

ESKOM - Name of Evaluator :	**Signature :**
ESKOM - Name of Verifier	**Signature :**

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	**CAN3: FIBREGLASS FULL DOOR CANOPY FOR LDV DOUBLE CAB / EXTENDED CAB / SINGLE CAB - REINFORED TO ACCOMMODATE A LADDER RACK. (ROLL CAGE OR INTERNAL FRAME REQUIRED FOR LADDER RACK)**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
SPECIFICATION	**A canopy without windows designed to be fitted to the rim of the load bin of a LDV . It should be further designed to accommodate at least a double ladder rack mounted on top and bolted through the roof of the canopy on to the front and rear roll bars.**			
	Height: same as vehicle cab roof			
	Length and width according to vehicle load box dimensions			
WINDOWS (OPTIONAL)	2 windows either side of which the rear windows must slide open			
	Size of front window to equal the size of cab window			
	Door window to be as large as practically possible			
	Tear drop window fitted to rear			
DOOR	Door dimension to be from the roof to the floor of the vehicle and open like a house door.			
	Rear door to fit inside the frame of canopy			
	Door to have lockable handle			
CONSTRUCTION	At least 4 layers of fibre glass must be used in the construction of the canopy for strength			
	3 Layers of fibre glass on the rest of the canopy			
	Canopy to be reinforced with 3 beams diagonally across			
	Canopy to have mounting points for a ladder rack and be able to carry max of 200kg on ladder rack.			
	Canopy roof to be reinforced with 2 side beams			
	Additional support in rear pillars			
Electrical Specification	Canopy Lights: Are fitted to the inside of the canopy to assist with night time operations			
	2 x 12 volt fluorescent double tube light to be fitted to the roof of the canopy. One near the rear door and one near the sliding door.			
	All wiring to be neatly in ducting.			
	A separate switch is to be fitted in the cab to control the lights.			
	There must be an male/female plug connection in the wiring between the canopy and the vehicle.			
Alarm	Alarm sensor(if no alarm is fitted, please fit the vehicle with an alarm system)In conjunction with manufactures specifications			
	An alarm sensor to be placed in the front of the canopy covering the inside of the canopy as well as the rear door.			
	Must be linked into the vehicles alarm system.			
	Sensitivity must be adjusted that the alarm do not activate if someone walk pass the vehicle.			
	All wiring neatly in Ducting			
Fuse Box	A 6 way fuse box to be fitted and all connections e.g. All Lights, alarm, and MDT must be connected to the fuse box.			
WARRANTY	Minimum of two years manufacturers warranty			
COLOUR	Colour: white			

Supplier Acceptance of specifications: Name of representative:	**Signature :**
ESKOM - Name of Evaluator :	**Signature :**
ESKOM - Name of Verifier	**Signature :**

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ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**CAN4: FIBREGLASS CANOPY HALF DOOR FOR LDV DOUBLE CAB / EXTENDED CAB / SINGLE CAB - REINFORED TO ACCOMMODATE A LADDER RACK. (ROLL CAGE OR INTERNAL FRAME REQUIRED FOR LADDER RACK)**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	**A canopy without windows designed to be fitted to the rim of the load bin of a LDV . It should be further designed to accommodate a double ladder rack mounted on top and bolted through the roof of the canopy on to the front and rear roll bars.**			
Dimensions	Height same as vehicle cab roof.			
	Length and width according to vehicle load box dimensions			
Door	Rear Door to be as large as practically possible			
	Rear Door to have 2 x lockable handle.(single key/canopy)			
	Self locking latches and cables to be used as locking system.			
Colour	WHITE to match the specific colour code of the vehicle.			
Construction	4 Layers of fibre glass must be used in the construction of the canopy for strength			
	Minimum thickness of canopy 4mm			
Reinforced roof for ladder rack	1st layer of 300 gr/m² - 2nd layer of 450gr/m² - 3rd layer in canopy covers the 2 reinforcing beans with a layer of 450 gr/m² mat			
	Roundings: 4th layer of 450 gr/m² mat covering the membrane. 3 ply Plywood covered with 5th layer of 450 gm/m² mat where the mounting points for ladder racks should be.			
Mounting points	Canopy to have wooden supports to mount fitment brackets.			
	D Rubbers to be used underneath canopy			
	Canopy to be mounted according to vehicle manufactures approved specs.			
	Fitting points at front and rear end of canopy for interior fluorescent lights with a wire channelling to be build in.			
Electrical Specification	Canopy Lights: Are fitted to the inside of the canopy to assist with night time operations			
	2 x 12 volt fluorescent double tube light to be fitted to the roof of the canopy. One near the rear door and one near the sliding door.			
	All wiring to be neatly in ducting.			
	A separate switch is to be fitted in the cab to control the lights.			
	There must be an male/female plug connection in the wiring between the canopy and the vehicle.			
Alarm	Alarm sensor(if no alarm is fitted, please fit the vehicle with an alarm system)In conjunction with manufactures specifications			
	An alarm sensor to be placed in the front of the canopy covering the inside of the canopy as well as the rear door.			
	Must be linked into the vehicles alarm system.			
	Sensitivity must be adjusted that the alarm do not activate if someone walk pass the vehicle.			
	All wiring neatly in Ducting			
Fuse Box	A 6 way fuse box to be fitted and all connections e.g. All Lights, alarm, and MDT must be connected to the fuse box.			
Additional request	Dust proofing of the tailgate to accomplish dust free compartment.			
	Fitment of a two external vents plastic or glass fibre to pressurised the canopy while driving.			
WARRANTY	Minimum of two years manufacturers warranty			
Windows (OPTIONAL)	2 windows either side of which the rear windows must slide open			
	Size of front window to equal the size of cab window			
	Door window to be as large as practically possible			
	Tear drop window fitted to rear			

Supplier Acceptance of specifications: Name of representative:	**Signature :**
ESKOM - Name of Evaluator :	**Signature :**
ESKOM - Name of Verifier	**Signature :**

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#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**CAN5: AA TYPE OR BUTTERFLY TYPE CANOPY FOR A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	AA type or Butterfly Canopy is designed to be fitted to the rim of the load bin of a LDV. It incorporates a slide out drawer fitted to the floor of the load bin with a partitioner mounted above the drawer. It is further designed to accommodate a double ladder rack mounted on top of front and rear roll bars.			
Dimensions	The dimension of the AA type canopy should be adapted by body builder to fit all makes and models of LDV's and to fit on either a single, super or double cab loadbin.			
Material and accessories	Frame: 1.6mm Hot dip galvanized sheeting Partitions:1.2mm Electro galvanized sheeting and painted hammer tone grey			
	Doors: 1.6mm Aluminium sheeting or 2mm Aluminium Thread plate			
	Support plates: 5mm Mild steel sheeting			
	Hinges: 1.6mm Stainless steel piano type			
	Gas struts: 250nm Autoliv type			
	Door handles: 1.6mm Mild steel sheeting			
	Turn buckles: 703L Type (door and tail gate locks)			
	Door rubber seal: 20 x 6mm Insertion type			
	Interior lights: 2 x 40w LED Lights fitted to inside of doors with switch in cab			
	Side rails: 60x20mm Mild steel			
	Drawer: 1.2mm galvanized sheet metal.			
	Rollers: 30x10mm Heavy-duty roller bearings			
	Stopper: 837 Type spring bolt			
Construction	All exterior joints to be CO2 welded, grinded, smoothed with feather light body filler and painted with etch primer.			
	Hinges and door handles to be bolted or riveted to frame and doors			
	Brackets to be welded to frame and doors to secure gas struts.			
	All inner joints to be sealed with polyurethane sealant prior to applying etch primer.			
	Should roll bars required to be fitted, provision should be made to integrate the front and rear support plates with the roll bars in the manufacturing process.			
	The canopy should be built as a complete unit integrated with drawer systems			
Finish	Frame and doors to be painted with MS primer prior to applying at least two coats of white polyurethane or 2K white paint.			
	Front and rear support plates to be hot dip galvanized.			
Fitment and installation	All holes to be drilled in load bin prior to installation.			
	All drilled holes to be painted.			
	All painted holes to be treated with tektyl once paint has cured.			
	Dust seal kit to be fitted to rear entrance of load bin and tailgate with 4.8mm pop rivets.			
	Turnbuckle to be secured between side of load bin and tailgate with 6.5mm mono bolts.			
	Side rails of drawer to be secured to floor of load bin with 10mm bolts and nylock nuts.			
	Front and rear roll bars to be secured to floor and rear inside panel of load bin with 10mm bolts, nylock nuts and fish plates. (In cases where roll bars are required)			
	Spring bolt stopper to be secured to drawer with 6.5mm mono bolts.			
	Partitioner to be secured to top of side rails with 8mm bolts and nylock nuts.			
	Fitment rubber to be secured to bottom of canopy rim.			
	Canopy to be secured to rim of load bin and support plates with 8mm bolts and nylock nuts.			
	6mm Insertion rubber to be secured to sides of door opening on frame to prevent water and dust from entering canopy.			
	6mm Insertion rubber to be secured to face of rear support plate.			
	Protection rubber to be secured below turnbuckle on side of canopy frame to prevent shaving by padlock.			
	Lights to be fitted to inside of doors and connected to electrical system of vehicle with switch in cab.			
	Fire extinguisher to be secured to bracket in front corner of load bin.			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

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ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**CAN6 : ROLL ON ALUMINIUM BAKKIE COVER - SMART COVER OR ARMADILLO / ROLLER DOOR**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	The Armadillo Roll-Top or ROLLER DOOR or SMART COVER to fit onto the top of the loadbody and be Manually operated with a secure locking mechanism. Must make provision for roll-bars or other extrusions. Must be waterproof IP65 rating and Rust-proof. Able to open completely to allow full use of load bin. Lightweight but robust.			
Dimensions	The dimension should be adapted by body builder to fit all makes of LDV's			
Colour	White / Black / Aluminium			
Additional request	Dust proofing of the tailgate to ensure a dust free loadbin compartment.			
WARRANTY	Minimum of two years manufacturers warranty			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

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ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**CAN7: ALUMINIUM HALF DOOR CANOPY WITH TILT-UP / LIFT-UP SIDE DOORS FOR A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Dimensions	Height same as vehicle cab load body and roof			
	Length and width according to vehicle load box dimensions			
Frame	Canopy frame to be bend up from 3mm aluminium to a profile which have a rounded appearance --similar to the vehicles cab			
	Inner gussets to reinforce the frame			
	Frame to provide a gutter system to ensure that water running from doors are guided away.			
Front Window	Front panel to make provision for a sliding window equal the size of cab window to be fitted.			
Doors	Double cab vehicles: Single lift up lids for left & right hand side of canopy max. size Top Max Length and 420 high			
	Extended cab vehicles: Double lift up lids for left & right hand side of canopy max. size Top 820mm long and 420mm high			
	Single cab vehicles: Double lift up lids for left & right hand side of canopy max. size .) Top 920mm long and 420mm high			
	Rear Door size - Size of canopy and fit over tailgate of vehicle. Width must be full width of the canopy frame opening.			
	Doors to be bend up out of one piece aluminium sheeting - no welded frames allowed.			
	Doors seals must be fitted to be water and dust proof.			
	Lids and door to be attached at the top by 2 heavy duty hinges.			
	Rear door must be lockable and prevent tailgate from opening while locked.			
	Two gas support struts to be fitted to each lid 400mm long.			
	Shock mounting brackets to be manufactured front 304 stainless steel 1.6mm thickness.			
	Fit (glue and bolt) 38 X25 1.6 alumina recto tube on the inside of the doors to Reinforce side doors and rear door and reduce flex.			
	Rear door shock length to ensure that the rear door is not higher than the bottom of the ladder rack.			
	Door lock striker plates to manufactured from 304 stainless steel.			
	Flush mount Large Push lever Locks (min 2 per door)			
Colour	Frame of canopy to match the vehicle paint specification			
Mounting points	Sponge Rubbers to be used between load box and canopy for water and dust sealing.			
Electrical Specification	Canopy Lights: Are fitted to the inside of the canopy to assist with night time operations			
	2 x 12 volt fluorescent double tube light to be fitted to the roof of the canopy. One near the rear door and one near the sliding door.			
	All wiring to be neatly in ducting.			
	A separate switch is to be fitted in the cab to control the lights.			
	There must be an male/female plug connection in the wiring between the canopy and the vehicle.			
Alarm	Alarm sensor(if no alarm is fitted, please fit the vehicle with an alarm system)In conjunction with manufactures specifications			
	An alarm sensor to be placed in the front of the canopy covering the inside of the canopy as well as the rear door.			
	Must be linked into the vehicles alarm system.			
	Sensitivity must be adjusted that the alarm do not activate if someone walk pass the vehicle.			
	All wiring neatly in Ducting			
Fuse Box	A 6 way fuse box to be fitted and all connections e.g. All Lights, alarm, and MDT must be connected to the fuse box.			
Warranty	Minimum of two years manufacturers guarantee on canopy structure and not on parts			
Dimensions	The dimension should be adapted by body builder to fit all makes of LDV's			
Colour	White / Aluminium			
Additional request	Dust proofing of the tailgate to ensure a dust free loadbin compartment.			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

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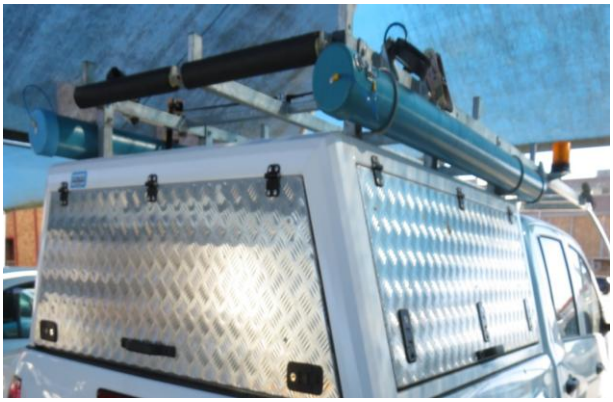
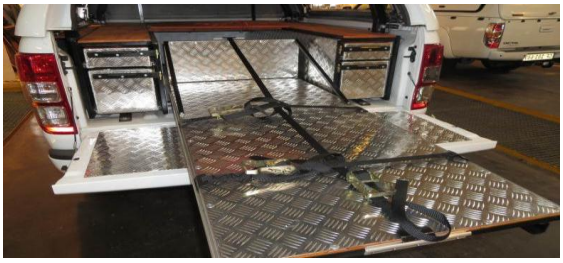
ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**CAN8 : ALUMINIUM CANOPY WITH SLIDING TABLE/DRAWER SYSTEM, LADDER RACK AND LIGHTS FITTED ONTO INTERNAL FRAME FOR A LDV SINGLE CAB**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	Canopy to be fitted over the frame and sealed where the ladder rack mounting bolts goes through the canopy.			
	Distance between the Canopy and the internal frame need to be spaced to ensure that canopy rear door locks are closing properly.			
Dimensions	Height same as vehicle cab load body and roof			
	Length and width according to vehicle load box dimensions			
	Canopy to accommodate roll cage(internal frame)			
Frame	Canopy frame to be bend up from 3mm aluminium to a profile which have a rounded appearance --similar to the vehicles cab			
	Inner gussets to reinforce the frame			
	Frame to provide a gutter system to ensure that water running from doors are guided away.			
Front Window	Front panel to make provision for a sliding window equal the size of cab window to be fitted.			
Doors	**Double cab vehicles**: Single lift up lids for left & right hand side of canopy max. size Top Max Length and 420 high			
	Extended cab vehicles: Double lift up lids for left & right hand side of canopy max. size Top 820mm long and 420mm high			
	Single cab vehicles: Double lift up lids for left & right hand side of canopy max. size .) Top 920mm long and 420mm high			
	Rear Door size Full Width top and bottom of frame opening			
	Doors to be bend up out of one piece aluminium sheeting - no welded frames allowed.			
	Doors seals must be fitted to be water and dust proof.			
	Lids and door to be attached at the top by 2 heavy duty hinges.			
	Rear door must be lockable and prevent tailgate from opening while locked.			
	Two gas support struts to be fitted to each lid 400mm long.			
	Shock mounting brackets to be manufactured front 304 stainless steel 1.6mm thickness.			
	Fit (glue and bolt) 38 X25 1.6 alumina recto tube on the inside of the doors to Reinforce side doors and rear door and reduce flex.			
	Rear door shock length to ensure that the rear door is not higher than the bottom of the ladder rack.			
	Rear door to make provision for a window to be fitted if required.			
	Door lock striker plates to manufactured from 304 stainless steel.			
	Flush mount Large Push lever Locks (min 2 per door)			
Colour	Frame of canopy to match the vehicle paint specification			
Mounting points	Sponge Rubbers to be used between load box bin and canopy for water and dust sealing.			
	Canopy to be mounted directly on the internal frame and in line with the vehicle manufactures approved specs.			
	Canopy to be fitted over the frame and sealed where the ladder rack mounting bolts goes through the canopy.			
Warranty	Minimum of two years manufacturers guarantee on canopy structure and not on parts			
Additional request	Distance between the Canopy and the internal frame need to be spaced to ensure that canopy rear door locks are closing properly.			
	Dust proofing of the tailgate to accomplish dust free compartment.			
	All wood to be wood sealed two coats on both sides.			
INTERNAL STEEL FRAME	Frames fits on the inside of Canopy.			
	Height same as vehicle cab load body and roof			
	Length and width according to vehicle load box dimensions			
	Frame manufactured from 50x50x2.0 Mild Steel Tube at the rear to clear the sliding table and 50x25x2mm in front with additional support beams of 50 x25 to the mounting points on floor.			
	Mild Steel Tube as connection tubes from the rear to the front frame and the frame for the cargo slide mounting.			
	Mounting points for ladder rack to be on this frame.			
	Frame to be mounted directly onto the chassis through floor at load body mounting points with M10 HT Plated Bolts and not only to the load box floor. On double cab vehicles front mounting support plates on top and underneath loadbody to be used.			
	Mounting plates and gussets manufactured from 4.5mm MS Plate.			
	Mounting to the wheel arch where roll bar is normally fixed not allowed.			
	Frame painted with 1K Primer and 2K Gloss Black Paint.			
CONDUCTOR CUPBOARD FOR INTERNAL FRAME	An in roof cupboard over the rear door opening and access from the rear. 850mm long x 750mm deep x 120mm high, with flip down lid to be fitted from the internal frame.			
	Material 6mm industrial ply with aluminium angle supports.			
	A locking mechanism on both ends of the lid hinged at the bottom.			
DRAWER SYSTEM FOR INTERNAL FRAME	A removable drawer system to be manufactured: framework of 25x25 tubing, Length according to loadbody dimention x 300mm wide and 435mm high and fitted on the outside of the ladder rack support frame . Inner side section of drawer system to be covered by 1.6m Aluminium chequered plate.			
	Frame work below front cupboard to be converted into a toolbox lined with 1.6mm tread plate and 6mm ply floor areas. Boxes must be closed off from load box to prevent small items to get lost out of toolboxes.(6mm ply)			
	Bottom drawer 640mm L x 214mm W x 265mm H, manufactured from 2mm aluminium sheeting with 12 mm Industrial ply floor.			
	Top drawer 640mm L x 214 W x 105mm H, manufactured from 1.6mm aluminium sheeting with 12 mm Industrial ply floor.			
	Top and bottom drawers will run on 3mm steel runners with 6000 ZZ ball bearings. (Max load 40kg/Drawer).			
	Top drawers lined with rubber.			
	Top drawers must have a divider at 550mm and 9mm ply lids on both sections.			
	Drawers to be fitted with stop mechanism, to prevent falling out, but still be removable.			
	Face of drawers manufacture from aluminium tread plate and fitted with steel handles 4mm with supports on both sides of drawers, and with anti–loose fasteners as the locking device fitted to the inside frame.			
	Drawer system secured to internal steel frame with self drilling screws.			
	The Section between the drawer systems above the sliding table to be covered with 2 pieces of 22mm thick board.			
	These boards must be separately removable and supplied with rope handles on both sides.			
	Industrial ply boards 12 mm to be used to cover the top section of the drawers systems to act as a floor for the "cupboard".			
	A drop door with a rope handle must from part of the floor to access the section in front of the wheel arches.			
CARGO SLIDE FOR INTERNAL FRAME	Sliding platform to be fitted onto the internal steel frame, Length of sliding table according to load box floor length x width 640mm.			
	Platform must be load-bearing +/- 100kg on end fully extended.			
	A bulkhead frame with aluminium cover plate reinforced with 12 mm industrial on the front of cargo slide300mm high with side supports of 700mm long. Fitted at angle of ±30degrees.			
	Steel sliding rails with **seven** ball bearings (6201zz) on either side of platform, with a locking device to lock platform in the closed and extracted position.			
	Ball Bearings for slide: Single cab 9 bearings per side; Super-Cab 7bearings per side ; double cab 6 bearings per side,			
	Three securing nylon straps 35mm and ratchets to be supplied(1000mm long)			
	One securing nylon strap 35mm and ratchets to be supplied(2500 mm long)			
	Adjustable slide for securing straps on both sides of sliding table, on front bulkhead and at rear of table only a smaller section of 200mm .			
	Two nylon blocks to be riveted to the tailgate to support the cargo slide when fully extracted. The front of the block to be tapered, to allow for easy sliding of slide onto the blocks.			
	Cargo slide floor to be reinforced with 12 mm industrial ply and covered with 2 mm aluminium tread plate.			
	The tailgate needs to be covered with 1.6 mm aluminium tread plate to act as a work area.			
LADDER RACK FOR INTERNAL FRAME	A frame work to be built from 38.1x38.1x1.6 mild steel tubing 3400mm long and 1100 wide.			
	Frame must be simple single level ladder frame with uprights on sides to guide ladders, the uprights must be closed with plastic end caps.			
	Frame to be hot dipped galvanized.			
	Ladder rack to be mounted through the roof of the canopy onto the steel internal frame in 8 places			
	A spoiler manufactured from 0.9mm is fitted on the front section of ladder rack to reduce noise.			
	Standard 50mm Rollers with sealed bearings to be used as rollers at the back of rack, rollers must be coated with hard wearing rubber of at least 3mm thick.			
	Beacon light bracket must also be fitted on driver side.			
	Four securing 35 mm wide nylon straps (1.5 Ton Breakage) and ratchets to be supplied (1500mm long).Ratchets to be fitted on outside of ladderrack opposite cross beams .			
	Carpet strips to be fitted on top of ladder rack cross supports, to protect the ladder from scratching during the mounting process.			
	Curved Ladder rack supporting brackets manufactured from 25 x 25 x 2 mm mild steel to be mounted on rubber mountings in front of the front door of the vehicle following the contour of the vehicle.			
	The rubber mounting to be mounted on a bracket 10mm thick which is secured to the chassis where the running boards mount in the front.			
	Ladder rack Frame to be galvanised			
	Ladder rack front support beams to be galvanised.			
LIGHTS FOR INTERNAL FRAME	Two working lights (Hella A2926) swivel type to be fitted. One on the left rear , one on the right front of the canopy. To be wired with fuse and switch in the cab			
	A Strobe type amber light (Hazard - HS 5300) to be mounted on the side of the ladder rack, and covered with expanded metal frame			
EL12 - Electrical on canopies with side doors and ladder rack.(fitted on to CAN 8,9,10,11)	**Canopy Lights: Are fitted to the inside of the canopy to assist with night time operations**			
	2 X 12 volt LED strip lights lamps (42 LED 260mm long) to be fitted near side door openings.			
	1 x LED strip light lamp (54 LED 310mm long) to be fitted to the rear door.			
	All wiring to be neatly in ducting.			
	A separate switch is to be fitted in the cab to control the lights.			
	There must be an male/female plug connection in the wiring between the canopy and the vehicle.			

Specification: Addition cab light	Fit LED interior light (TL217DXL) type with switch in cab linked to the excising cab light.			
MDT Switch	A separate switch is to be fitted in the cab to control the MDT supply wire from the switch must be 1000mm long and clearly marked for Radio installer.			
Alarm sensor	Door switches to be fitted to each door and link into the vehicles alarm system			
	Door micro switches to be mounted on a metal bracket, fitted next to the striker plate of the canopy lock.—please ensure that switches and brackets are out of loading area.			
	All wiring neatly in Ducting			
	Must be linked into the vehicles alarm system.			
Auxiliary power shutdown	An Aux. power shutdown system that cut all power to auxiliaries 30min after engine shutdown to be installed for battery protection .A Red reset button must be installed to reactivate system once it goes to sleeping mode.			
Fuse box	A 6 way fuse box to be fitted and all connections e.g. All Lights, alarm, and MDT must be connected to the fuse box.			
Lighter plug conversion	Upgrade the wiring on the Lighter plug to accommodate the use of heavy duty spotlights.			
Additional Request	All wood to be vanished two coats on both sides.			
	Frames to be marked with an id-plate for with manufacturers details and serial nr.			
Remarks	Front roll bar to be replaced by new steel internal frame.			
	All holes that are drilled into load box must be treated with rust inhibitor (SNK 2) and repainted with black paint before installing the bolts.			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.





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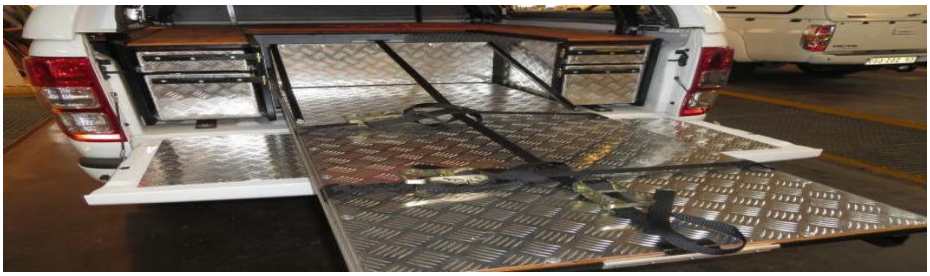
ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**CAN9 : ALUMINIUM CANOPY WITH SLIDING TABLE/DRAWER SYSTEM, LADDER RACK AND LIGHTS FITTED ONTO INTERNAL FRAME FOR A LDV EXTENDED CAB**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	Canopy to be fitted over the frame and sealed where the ladder rack mounting bolts goes through the canopy.			
	Distance between the Canopy and the internal frame need to be spaced to ensure that canopy rear door locks are closing properly.			
Dimensions	Height same as vehicle cab load body and roof			
	Length and width according to vehicle load box dimensions			
	Canopy to accommodate roll cage(internal frame)			
Frame	Canopy frame to be bend up from 3mm aluminium to a profile which have a rounded appearance --similar to the vehicles cab			
	Inner gussets to reinforce the frame			
	Frame to provide a gutter system to ensure that water running from doors are guided away.			
Front Window	Front panel to make provision for a sliding window equal the size of cab window to be fitted.			
Doors	**Extended cab vehicles:** Double lift up lids for left & right hand side of canopy max. size Top 820mm long and 420mm high			
	Rear Door size Full Width top and bottom of frame opening			
	Doors to be bend up out of one piece aluminium sheeting - no welded frames allowed.			
	Doors seals must be fitted to be water and dust proof.			
	Lids and door to be attached at the top by 2 heavy duty hinges.			
	Rear door must be lockable and prevent tailgate from opening while locked.			
	Two gas support struts to be fitted to each lid 400mm long.			
	Shock mounting brackets to be manufactured front 304 stainless steel 1.6mm thickness.			
	Fit (glue and bolt) 38 X25 1.6 alumina recto tube on the inside of the doors to Reinforce side doors and rear door and reduce flex.			
	Rear door shock length to ensure that the rear door is not higher than the bottom of the ladder rack.			
	Rear door to make provision for a window to be fitted if required.			
	Door lock striker plates to manufactured from 304 stainless steel.			
	Flush mount Large Push lever Locks (min 2 per door)			
Colour	Frame of canopy to match the vehicle paint specification			
Mounting points	Sponge Rubbers to be used between load box bin and canopy for water and dust sealing.			
	Canopy to be mounted directly on the internal frame and in line with the vehicle manufactures approved specs.			
	Canopy to be fitted over the frame and sealed where the ladder rack mounting bolts goes through the canopy.			
Warranty	Minimum of two years manufacturers guarantee on canopy structure and not on parts			
Additional request	Distance between the Canopy and the internal frame need to be spaced to ensure that canopy rear door locks are closing properly.			
	Dust proofing of the tailgate to accomplish dust free compartment.			
	All wood to be wood sealed two coats on both sides.			
INTERNAL STEEL FRAME	Frames fits on the inside of Canopy.			
	Height same as vehicle cab load body and roof			
	Length and width according to vehicle load box dimensions			
	Frame manufactured from 50x50x2.0 Mild Steel Tube at the rear to clear the sliding table and 50x25x2mm in front with additional support beams of 50 x25 to the mounting points on floor.			
	Mild Steel Tube as connection tubes from the rear to the front frame and the frame for the cargo slide mounting.			
	Mounting points for ladder rack to be on this frame.			
	Frame to be mounted directly onto the chassis through floor at load body mounting points with M10 HT Plated Bolts and not only to the load box floor. On double cab vehicles front mounting support plates on top and underneath loadbody to be used.			
	Mounting plates and gussets manufactured from 4.5mm MS Plate.			
	Mounting to the wheel arch where roll bar is normally fixed not allowed.			
	Frame painted with 1K Primer and 2K Gloss Black Paint.			
CONDUCTOR CUPBOARD FOR INTERNAL FRAME	An in roof cupboard over the rear door opening and access from the rear. 850mm long x 750mm deep x 120mm high, with flip down lid to be fitted from the internal frame.			
	Material 6mm industrial ply with aluminium angle supports.			
	A locking mechanism on both ends of the lid hinged at the bottom.			
DRAWER SYSTEM FOR INTERNAL FRAME	A removable drawer system to be manufactured: framework of 25x25 tubing. Length according to loadbody dimention x 300mm wide and 435mm high and fitted on the outside of the ladder rack support frame . Inner side section of drawer system to be covered by 1.6m Aluminium chequered plate.			
	Frame work below front cupboard to be converted into a toolbox lined with 1.6mm tread plate and 6mm ply floor areas. Boxes must be closed off from load box to prevent small items to get lost out of toolboxes.(6mm ply)			
	Bottom drawer 640mm L x 214mm W x 265mm H, manufactured from 2mm aluminium sheeting with 12 mm Industrial ply floor.			
	Top drawer 640mm L x 214 W x 105mm H, manufactured from 1.6mm aluminium sheeting with 12 mm Industrial ply floor.			
	Top and bottom drawers will run on 3mm steel runners with 6000 ZZ ball bearings. (Max load 40kg/Drawer).			
	Top drawers lined with rubber.			
	Top drawers must have a divider at 550mm and 9mm ply lids on both sections.			
	Drawers to be fitted with stop mechanism, to prevent falling out, but still be removable.			
	Face of drawers manufacture from aluminium tread plate and fitted with steel handles 4mm with supports on both sides of drawers, and with anti–loose fasteners as the locking device fitted to the inside frame.			
	Drawer system secured to internal steel frame with self drilling screws.			
	The Section between the drawer systems above the sliding table to be covered with 2 pieces of 22mm thick board.			
	These boards must be separately removable and supplied with rope handles on both sides.			
	Industrial ply boards 12 mm to be used to cover the top section of the drawers systems to act as a floor for the "cupboard".			
	A drop door with a rope handle must from part of the floor to access the section in front of the wheel arches.			
CARGO SLIDE FOR INTERNAL FRAME	Sliding platform to be fitted onto the internal steel frame, Length of sliding table according to load box floor length x width 640mm.			
	Platform must be load-bearing +/- 100kg on end fully extended.			
	A bulkhead frame with aluminium cover plate reinforced with 12 mm industrial on the front of cargo slide300mm high with side supports of 700mm long. Fitted at angle of ±30degrees.			
	Steel sliding rails with **seven** ball bearings (6201zz) on either side of platform, with a locking device to lock platform in the closed and extracted position.			
	Ball Bearings for slide: Single cab 9 bearings per side; Super-Cab 7bearings per side ; double cab 6 bearings per side,			
	Three securing nylon straps 35mm and ratchets to be supplied(1000mm long)			
	One securing nylon strap 35mm and ratchets to be supplied(2500 mm long)			
	Adjustable slide for securing straps on both sides of sliding table, on front bulkhead and at rear of table only a smaller section of 200mm .			
	Two nylon blocks to be riveted to the tailgate to support the cargo slide when fully extracted. The front of the block to be tapered, to allow for easy sliding of slide onto the blocks.			
	Cargo slide floor to be reinforced with 12 mm industrial ply and covered with 2 mm aluminium tread plate.			
	The tailgate needs to be covered with 1.6 mm aluminium tread plate to act as a work area.			
LADDER RACK FOR INTERNAL FRAME	A frame work to be built from 38.1x38.1x1.6 mild steel tubing 3400mm long and 1100 wide.			
	Frame must be simple single level ladder frame with uprights on sides to guide ladders, the uprights must be closed with plastic end caps.			
	Frame to be hot dipped galvanized.			
	Ladder rack to be mounted through the roof of the canopy onto the steel internal frame in 8 places			
	A spoiler manufactured from 0.9mm is fitted on the front section of ladder rack to reduce noise.			
	Standard 50mm Rollers with sealed bearings to be used as rollers at the back of rack, rollers must be coated with hard wearing rubber of at least 3mm thick.			
	Beacon light bracket must also be fitted on driver side.			
	Four securing 35 mm wide nylon straps (1.5 Ton Breakage) and ratchets to be supplied (1500mm long).Ratchets to be fitted on outside of ladderrack opposite cross beams .			
	Carpet strips to be fitted on top of ladder rack cross supports, to protect the ladder from scratching during the mounting process.			
	Curved Ladder rack supporting brackets manufactured from 25 x 25 x 2 mm mild steel to be mounted on rubber mountings in front of the front door of the vehicle following the contour of the vehicle.			
	The rubber mounting to be mounted on a bracket 10mm thick which is secured to the chassis where the running boards mount in the front.			
	Ladder rack Frame to be galvanised			
	Ladder rack front support beams to be galvanised.			
LIGHTS FOR INTERNAL FRAME	Two working lights (Hella A2926) swivel type to be fitted. One on the left rear , one on the right front of the canopy. To be wired with fuse and switch in the cab			
	A Strobe type amber light (Hazard - HS 5300) to be mounted on the side of the ladder rack, and covered with expanded metal frame			
EL12 - Electrical on canopies with side doors and ladder rack.(fitted on to CAN 8,9,10,11)	**Canopy Lights: Are fitted to the inside of the canopy to assist with night time operations**			
	2 X 12 volt LED strip lights lamps (42 LED 260mm long) to be fitted near side door openings.			
	1 x LED strip light lamp (54 LED 310mm long) to be fitted to the rear door.			
	All wiring to be neatly in ducting.			
	A separate switch is to be fitted in the cab to control the lights.			
	There must be an male/female plug connection in the wiring between the canopy and the vehicle.			
Specification: Addition cab light	Fit LED interior light (TL217DXL) type with switch in cab linked to the excising cab light.			
MDT Switch	A separate switch is to be fitted in the cab to control the MDT supply wire from the switch must be 1000mm long and clearly marked for Radio installer.			
Alarm sensor	Door switches to be fitted to each door and link into the vehicles alarm system			

	Door micro switches to be mounted on a metal bracket, fitted next to the striker plate of the canopy lock.—please ensure that switches and brackets are out of loading area.			
	All wiring neatly in Ducting			
	Must be linked into the vehicles alarm system.			
Auxiliary power shutdown	An Aux. power shutdown system that cut all power to auxiliaries 30min after engine shutdown to be installed for battery protection .A Red reset button must be installed to reactivate system once it goes to sleeping mode.			
Fuse box	A 6 way fuse box to be fitted and all connections e.g. All Lights, alarm, and MDT must be connected to the fuse box.			
Lighter plug conversion	Upgrade the wiring on the Lighter plug to accommodate the use of heavy duty spotlights.			
Additional Request	All wood to be vanished two coats on both sides.			
	Frames to be marked with an id-plate for with manufacturers details and serial nr.			
Remarks	Front roll bar to be replaced by new steel internal frame.			
	All holes that are drilled into load box must be treated with rust inhibitor (SNK 2) and repainted with black paint before installing the bolts.			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.



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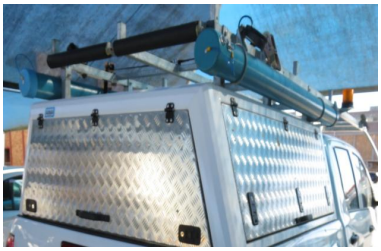
ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

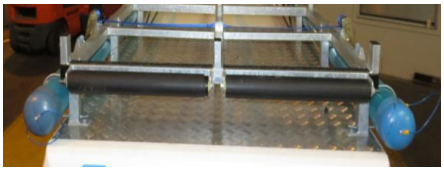
ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**CAN10: ALUMINIUM CANOPY WITH SLIDING TABLE/DRAWER SYSTEM, LADDER RACK AND LIGHTS FITTED ONTO INTERNAL FRAME FOR A LDV DOUBLE CAB**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	Canopy to be fitted over the frame and sealed where the ladder rack mounting bolts goes through the canopy.			
	Distance between the Canopy and the internal frame need to be spaced to ensure that canopy rear door locks are closing properly.			
Dimensions	Height same as vehicle cab load body and roof			
	Length and width according to vehicle load box dimensions			
	Canopy to accommodate roll cage(internal frame)			
Frame	Canopy frame to be bend up from 3mm aluminium to a profile which have a rounded appearance --similar to the vehicles cab			
	Inner gussets to reinforce the frame			
	Frame to provide a gutter system to ensure that water running from doors are guided away.			
Front Window	Front panel to make provision for a sliding window equal the size of cab window to be fitted.			
Doors	**Double cab vehicles**: Single lift up lids for left & right hand side of canopy max. size Top Max Length and 420 high			
	Rear Door size Full Width top and bottom of frame opening			
	Doors to be bend up out of one piece aluminium sheeting - no welded frames allowed.			
	Doors seals must be fitted to be water and dust proof.			
	Lids and door to be attached at the top by 2 heavy duty hinges.			
	Rear door must be lockable and prevent tailgate from opening while locked.			
	Two gas support struts to be fitted to each lid 400mm long.			
	Shock mounting brackets to be manufactured front 304 stainless steel 1.6mm thickness.			
	Fit (glue and bolt) 38 X25 1.6 alumina recto tube on the inside of the doors to Reinforce side doors and rear door and reduce flex.			
	Rear door shock length to ensure that the rear door is not higher than the bottom of the ladder rack.			
	Rear door to make provision for a window to be fitted if required.			
	Door lock striker plates to manufactured from 304 stainless steel.			
	Flush mount Large Push lever Locks (min 2 per door)			
Colour	Frame of canopy to match the vehicle paint specification			
Mounting points	Sponge Rubbers to be used between load box bin and canopy for water and dust sealing.			
	Canopy to be mounted directly on the internal frame and in line with the vehicle manufactures approved specs.			
	Canopy to be fitted over the frame and sealed where the ladder rack mounting bolts goes through the canopy.			
Warranty	Minimum of two years manufacturers guarantee on canopy structure and not on parts			
Additional request	Distance between the Canopy and the internal frame need to be spaced to ensure that canopy rear door locks are closing properly.			
	Dust proofing of the tailgate to accomplish dust free compartment.			
	All wood to be wood sealed two coats on both sides.			
INTERNAL STEEL FRAME	Frames fits on the inside of Canopy.			
	Height same as vehicle cab load body and roof			
	Length and width according to vehicle load box dimensions			
	Frame manufactured from 50x50x2.0 Mild Steel Tube at the rear to clear the sliding table and 50x25x2mm in front with additional support beams of 50 x25 to the mounting points on floor.			
	Mild Steel Tube as connection tubes from the rear to the front frame and the frame for the cargo slide mounting.			
	Mounting points for ladder rack to be on this frame.			
	Frame to be mounted directly onto the chassis through floor at load body mounting points with M10 HT Plated Bolts and not only to the load box floor. On double cab vehicles front mounting support plates on top and underneath loadbody to be used.			
	Mounting plates and gussets manufactured from 4.5mm MS Plate.			
	Mounting to the wheel arch where roll bar is normally fixed not allowed.			
	Frame painted with 1K Primer and 2K Gloss Black Paint.			
CONDUCTOR CUPBOARD FOR INTERNAL FRAME	An in roof cupboard over the rear door opening and access from the rear. 850mm long x 750mm deep x 120mm high, with flip down lid to be fitted from the internal frame.			
	Material 6mm industrial ply with aluminium angle supports.			
	A locking mechanism on both ends of the lid hinged at the bottom.			
DRAWER SYSTEM FOR INTERNAL FRAME	A removable drawer system to be manufactured: framework of 25x25 tubing, Length according to loadbody dimention x 300mm wide and 435mm high and fitted on the outside of the ladder rack support frame . Inner side section of drawer system to be covered by 1.6m Aluminium chequered plate.			
	Frame work below front cupboard to be converted into a toolbox lined with 1.6mm tread plate and 6mm ply floor areas. Boxes must be closed off from load box to prevent small items to get lost out of toolboxes.(6mm ply)			
	Bottom drawer 640mm L x 214mm W x 265mm H, manufactured from 2mm aluminium sheeting with 12 mm Industrial ply floor.			
	Top drawer 640mm L x 214 W x 105mm H, manufactured from 1.6mm aluminium sheeting with 12 mm Industrial ply floor.			
	Top and bottom drawers will run on 3mm steel runners with 6000 ZZ ball bearings. (Max load 40kg/Drawer).			
	Top drawers lined with rubber.			
	Top drawers must have a divider at 550mm and 9mm ply lids on both sections.			
	Drawers to be fitted with stop mechanism, to prevent falling out, but still be removable.			
	Face of drawers manufacture from aluminium tread plate and fitted with steel handles 4mm with supports on both sides of drawers, and with anti–loose fasteners as the locking device fitted to the inside frame.			
	Drawer system secured to internal steel frame with self drilling screws.			
	The Section between the drawer systems above the sliding table to be covered with 2 pieces of 22mm thick board.			
	These boards must be separately removable and supplied with rope handles on both sides.			
	Industrial ply boards 12 mm to be used to cover the top section of the drawers systems to act as a floor for the "cupboard".			
	A drop door with a rope handle must from part of the floor to access the section in front of the wheel arches.			
CARGO SLIDE FOR INTERNAL FRAME	Sliding platform to be fitted onto the internal steel frame, Length of sliding table according to load box floor length x width 640mm.			
	Platform must be load-bearing +/- 100kg on end fully extended.			
	A bulkhead frame with aluminium cover plate reinforced with 12 mm industrial on the front of cargo slide300mm high with side supports of 700mm long. Fitted at angle of ±30degrees.			
	Steel sliding rails with **seven** ball bearings (6201zz) on either side of platform, with a locking device to lock platform in the closed and extracted position.			
	Ball Bearings for slide: Single cab 9 bearings per side; Super-Cab 7bearings per side ; double cab 6 bearings per side.			
	Three securing nylon straps 35mm and ratchets to be supplied(1000mm long)			
	One securing nylon strap 35mm and ratchets to be supplied(2500 mm long)			
	Adjustable slide for securing straps on both sides of sliding table, on front bulkhead and at rear of table only a smaller section of 200mm .			
	Two nylon blocks to be riveted to the tailgate to support the cargo slide when fully extracted. The front of the block to be tapered, to allow for easy sliding of slide onto the blocks.			
	Cargo slide floor to be reinforced with 12 mm industrial ply and covered with 2 mm aluminium tread plate.			
	The tailgate needs to be covered with 1.6 mm aluminium tread plate to act as a work area.			
LADDER RACK FOR INTERNAL FRAME	A frame work to be built from 38.1x38.1x1.6 mild steel tubing 3400mm long and 1100 wide.			
	Frame must be simple single level ladder frame with uprights on sides to guide ladders, the uprights must be closed with plastic end caps.			
	Frame to be hot dipped galvanized.			
	Ladder rack to be mounted through the roof of the canopy onto the steel internal frame in 8 places			
	A spoiler manufactured from 0.9mm is fitted on the front section of ladder rack to reduce noise.			
	Standard 50mm Rollers with sealed bearings to be used as rollers at the back of rack, rollers must be coated with hard wearing rubber of at least 3mm thick.			
	Beacon light bracket must also be fitted on driver side.			
	Four securing 35 mm wide nylon straps (1.5 Ton Breakage) and ratchets to be supplied (1500mm long).Ratchets to be fitted on outside of ladderrack opposite cross beams .			
	Carpet strips to be fitted on top of ladder rack cross supports, to protect the ladder from scratching during the mounting process.			
	Curved Ladder rack supporting brackets manufactured from 25 x 25 x 2 mm mild steel to be mounted on rubber mountings in front of the front door of the vehicle following the contour of the vehicle.			
	The rubber mounting to be mounted on a bracket 10mm thick which is secured to the chassis where the running boards mount in the front.			
	Ladder rack Frame to be galvanised			
	Ladder rack front support beams to be galvanised.			
LIGHTS FOR INTERNAL FRAME	Two working lights (Hella A2926) swivel type to be fitted. One on the left rear , one on the right front of the canopy. To be wired with fuse and switch in the cab			
	A Strobe type amber light (Hazard - HS 5300) to be mounted on the side of the ladder rack, and covered with expanded metal frame			
EL12 - Electrical on canopies with side doors and ladder rack.(fitted on to CAN 8,9,10,11)	**Canopy Lights: Are fitted to the inside of the canopy to assist with night time operations**			
	2 X 12 volt LED strip lights lamps (42 LED 260mm long) to be fitted near side door openings.			
	1 x LED strip light lamp (54 LED 310mm long) to be fitted to the rear door.			
	All wiring to be neatly in ducting.			
	A separate switch is to be fitted in the cab to control the lights.			
	There must be an male/female plug connection in the wiring between the canopy and the vehicle.			
Specification: Addition cab light	Fit LED interior light (TL217DXL) type with switch in cab linked to the excising cab light.			
MDT Switch	A separate switch is to be fitted in the cab to control the MDT supply wire from the switch must be 1000mm long and clearly marked for Radio installer.			
Alarm sensor	Door switches to be fitted to each door and link into the vehicles alarm system			
	Door micro switches to be mounted on a metal bracket, fitted next to the striker plate of the canopy lock.—please ensure that switches and brackets are out of loading area.			
	All wiring neatly in Ducting			
	Must be linked into the vehicles alarm system.			
Auxiliary power shutdown	An Aux. power shutdown system that cut all power to auxiliaries 30min after engine shutdown to be installed for battery protection .A Red reset button must be installed to reactivate system once it goes to sleeping mode.			
Fuse box	A 6 way fuse box to be fitted and all connections e.g. All Lights, alarm, and MDT must be connected to the fuse box.			
Lighter plug conversion	Upgrade the wiring on the Lighter plug to accommodate the use of heavy duty spotlights.			
Additional Request	All wood to be vanished two coats on both sides.			
	Frames to be marked with an id-plate for with manufacturers details and serial nr.			
Remarks	Front roll bar to be replaced by new steel internal frame.			
	All holes that are drilled into load box must be treated with rust inhibitor (SNK 2) and repainted with black paint before installing the bolts.			

Supplier Acceptance of specifications: Name of representative:	**Signature :**
ESKOM - Name of Evaluator :	**Signature :**

ESKOM - Name of Verifier	Signature :

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.






RANGER

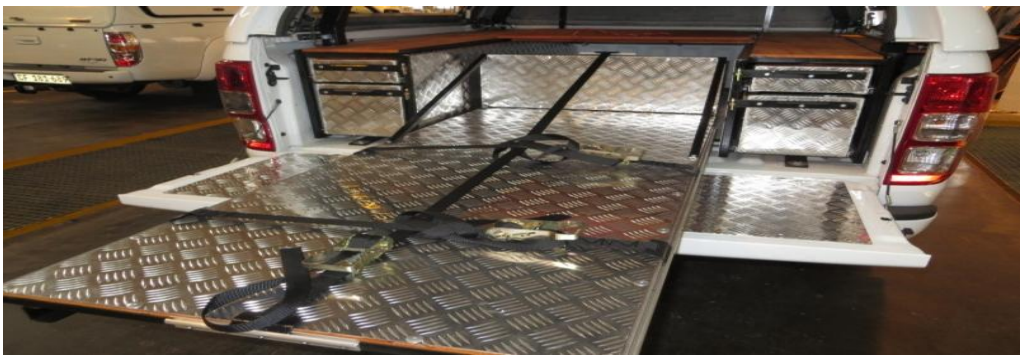
#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	**CAN11 : FIBREGLASS CANOPY HALF DOOR WITH TILT-UP / LIFT-UP SIDE DOORS FOR A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	Height same as vehicle cab roof			
Dimensions	Length and width according to vehicle load box dimensions			
Front Window	Front panel to make provision for a window equal the size of cab window to be fitted if required. Front panel must be 4 Layers of fibre glass.			
Side Doors	Single lift up lids for left & right hand side of canopy min. size 850mm long x 300mm high.(Double cab vehicles)			
	Single lift up lids for left & right hand side of canopy min. size 1050mm long x 300mm high.(Extended cab vehicles)			
	Single lift up lids for left & right hand side of canopy min. size 1100mm long x 300mm high.(Single Cab vehicles)			
	Door to be fitted as centre as possible in the sides of the canopy.			
	Shape of the door as square as possible with rounded corners and edges.			
	Side door panel must be 4 Layers of fibre glass.			
	Doors seals must be fitted to be water and dust proof. IP65 Rating			
	Waterproofing gutter systems must prevent rain water from entering canopy when vehicle is stationary with the side doors open.			
	Lids and door to be attached at the top by 2 heavy duty hinges.			
	2 x Lockable T handles.(single key/canopy)			
	Latches and cable to be used as locking system.			
	Two gas support struts to be fitted to each lid 400mm long.			
	The glass fibre panel to be fitted and laminated on the inside.			
Rear Door	Rear door to make provision for a window to be fitted if required. Rear door panel must be 4 Layers of fibre glass.			
	A build in water channel for the rear door must be part of the structure and not an additional fitment (prevent water entering the canopy when the rear door is open.)			
	Rear door to be a double skin bonded door.			
	Door to have 1 x lockable handle			
	Latches and cable to be used as locking system.			
	Rear door shock length to ensure that the rear door is not higher than the bottom of the ladder rack.			
Colour	WHITE to match the specific colour code of the vehicle.			
Construction	4 Layers of fibre glass must be used in the construction of the canopy for strength			
	Minimum thickness of canopy 4mm			
	Reinforcing to be done on the first 250mm from each side of roof as follows.			
	1st layer of 300 gr/m² - 2nd layer of 450gr/m² - 3rd layer of membrane in canopy. 2 beans diagonally across the canopy covered with a layer of 450 gr/m² mat			
Mounting points	D Rubbers to be used underneath canopy			
	Canopy to be mounted according to vehicle manufactures approved specs.			
Warranty	Minimum of two years manufacturers guarantee on canopy structure and not on parts			
Additional request	Dust proofing of the tailgate to accomplish dust free compartment.			
	Fitment of two external vents plastic or glass fibre to pressurised the canopy while driving.			
	Fit one metal L bracket with 8mm hole under the striker plate for alarm sensors, one per door.			
INTERNAL STEEL FRAME	Frames fits on the inside of Canopy.			
	Height same as vehicle cab load body and roof			
	Length and width according to vehicle load box dimensions			
	Frame manufactured from 50x50x2.0 Mild Steel Tube at the rear to clear the sliding table and 50x25x2mm in front with additional support beams of 50 x25 to the mounting points on floor.			
	Mild Steel Tube as connection tubes from the rear to the front frame and the frame for the cargo slide mounting.			
	Mounting points for ladder rack to be on this frame.			
	Frame to be mounted directly onto the chassis through floor at load body mounting points with M10 HT Plated Bolts and not only to the load box floor. On double cab vehicles front mounting support plates on top and underneath loadbody to be used.			
	Mounting plates and gussets manufactured from 4.5mm MS Plate.			
	Mounting to the wheel arch where roll bar is normally fixed not allowed.			
	Frame painted with 1K Primer and 2K Gloss Black Paint.			
CONDUCTOR CUPBOARD FOR INTERNAL FRAME	An in roof cupboard over the rear door opening and access from the rear. 850mm long x 750mm deep x 120mm high, with flip down lid to be fitted from the internal frame.			
	Material 6mm industrial ply with aluminium angle supports.			
	A locking mechanism on both ends of the lid hinged at the bottom.			
DRAWER SYSTEM FOR INTERNAL FRAME	A removable drawer system to be manufactured: framework of 25x25 tubing, Length according to loadbody dimention x 300mm wide and 435mm high and fitted on the outside of the ladder rack support frame . Inner side section of drawer system to be covered by 1.6m Aluminium chequered plate.			
	Frame work below front cupboard to be converted into a toolbox lined with 1.6mm tread plate and 6mm ply floor areas. Boxes must be closed off from load box to prevent small items to get lost out of toolboxes.(6mm ply)			
	Bottom drawer 640mm L x 214mm W x 265mm H, manufactured from 2mm aluminium sheeting with 12 mm Industrial ply floor.			
	Top drawer 640mm L x 214 W x 105mm H, manufactured from 1.6mm aluminium sheeting with 12 mm Industrial ply floor.			
	Top and bottom drawers will run on 3mm steel runners with 6000 ZZ ball bearings. (Max load 40kg/Drawer).			
	Top drawers lined with rubber.			
	Top drawers must have a divider at 550mm and 9mm ply lids on both sections.			
	Drawers to be fitted with stop mechanism, to prevent falling out, but still be removable.			
	Face of drawers manufacture from aluminium tread plate and fitted with steel handles 4mm with supports on both sides of drawers, and with anti–loose fasteners as the locking device fitted to the inside frame.			
	Drawer system secured to internal steel frame with self drilling screws.			
	The Section between the drawer systems above the sliding table to be covered with 2 pieces of 22mm thick board.			
	These boards must be separately removable and supplied with rope handles on both sides.			
	Industrial ply boards 12 mm to be used to cover the top section of the drawers systems to act as a floor for the "cupboard".			
	A drop door with a rope handle must from part of the floor to access the section in front of the wheel arches.			
CARGO SLIDE FOR INTERNAL FRAME	Sliding platform to be fitted onto the internal steel frame, Length of sliding table according to load box floor length x width 640mm.			
	Platform must be load-bearing +/- 100kg on end fully extended.			
	A bulkhead frame with aluminium cover plate reinforced with 12 mm industrial on the front of cargo slide300mm high with side supports of 700mm long. Fitted at angle of ±30degrees.			
	Steel sliding rails with **seven** ball bearings (6201zz) on either side of platform, with a locking device to lock platform in the closed and extracted position.			
	Ball Bearings for slide: Single cab 9 bearings per side; Super-Cab 7bearings per side ; double cab 6 bearings per side,			
	Three securing nylon straps 35mm and ratchets to be supplied(1000mm long)			
	One securing nylon strap 35mm and ratchets to be supplied(2500 mm long)			
	Adjustable slide for securing straps on both sides of sliding table, on front bulkhead and at rear of table only a smaller section of 200mm .			
	Two nylon blocks to be riveted to the tailgate to support the cargo slide when fully extracted. The front of the block to be tapered, to allow for easy sliding of slide onto the blocks.			
	Cargo slide floor to be reinforced with 12 mm industrial ply and covered with 2 mm aluminium tread plate.			
	The tailgate needs to be covered with 1.6 mm aluminium tread plate to act as a work area.			
LADDER RACK FOR INTERNAL FRAME	A frame work to be built from 38.1x38.1x1.6 mild steel tubing 3400mm long and 1100 wide.			
	Frame must be simple single level ladder frame with uprights on sides to guide ladders, the uprights must be closed with plastic end caps.			
	Frame to be hot dipped galvanized.			
	Ladder rack to be mounted through the roof of the canopy onto the steel internal frame in 8 places			
	A spoiler manufactured from 0.9mm is fitted on the front section of ladder rack to reduce noise.			
	Standard 50mm Rollers with sealed bearings to be used as rollers at the back of rack, rollers must be coated with hard wearing rubber of at least 3mm thick.			
	Beacon light bracket must also be fitted on driver side.			
	Four securing 35 mm wide nylon straps (1.5 Ton Breakage) and ratchets to be supplied (1500mm long).Ratchets to be fitted on outside of ladderrack opposite cross beams .			
	Carpet strips to be fitted on top of ladder rack cross supports, to protect the ladder from scratching during the mounting process.			
	Curved Ladder rack supporting brackets manufactured from 25 x 25 x 2 mm mild steel to be mounted on rubber mountings in front of the front door of the vehicle following the contour of the vehicle.			
	The rubber mounting to be mounted on a bracket 10mm thick which is secured to the chassis where the running boards mount in the front.			
	Ladder rack Frame to be galvanised			
	Ladder rack front support beams to be galvanised.			
LIGHTS FOR INTERNAL FRAME	Two working lights (Hella A2926) swivel type to be fitted. One on the left rear , one on the right front of the canopy. To be wired with fuse and switch in the cab			
	A Strobe type amber light (Hazard - HS 5300) to be mounted on the side of the ladder rack, and covered with expanded metal frame			
EL12 - Electrical on canopies with side doors and ladder	**Canopy Lights: Are fitted to the inside of the canopy to assist with night time operations**			
	2 X 12 volt LED strip lights lamps (42 LED 260mm long) to be fitted near side door openings.			

rack.(fitted on to CAN 8,9,10,11)	1 x LED strip light lamp (54 LED 310mm long) to be fitted to the rear door.			
	All wiring to be neatly in ducting.			
	A separate switch is to be fitted in the cab to control the lights.			
	There must be an male/female plug connection in the wiring between the canopy and the vehicle.			
Specification: Addition cab light	Fit LED interior light (TL217DXL) type with switch in cab linked to the excising cab light.			
MDT Switch	A separate switch is to be fitted in the cab to control the MDT supply wire from the switch must be 1000mm long and clearly marked for Radio installer.			
Alarm sensor	Door switches to be fitted to each door and link into the vehicles alarm system			
	Door micro switches to be mounted on a metal bracket, fitted next to the striker plate of the canopy lock.—please ensure that switches and brackets are out of loading area.			
	All wiring neatly in Ducting			
	Must be linked into the vehicles alarm system.			
Auxiliary power shutdown	An Aux. power shutdown system that cut all power to auxiliaries 30min after engine shutdown to be installed for battery protection .A Red reset button must be installed to reactivate system once it goes to sleeping mode.			
Fuse box	A 6 way fuse box to be fitted and all connections e.g. All Lights, alarm, and MDT must be connected to the fuse box.			
Lighter plug conversion	Upgrade the wiring on the Lighter plug to accommodate the use of heavy duty spotlights.			
Additional Request	All wood to be vanished two coats on both sides.			
	Frames to be marked with an id-plate for with manufacturers details and serial nr.			
Remarks	Front roll bar to be replaced by new steel internal frame.			
	All holes that are drilled into load box must be treated with rust inhibitor (SNK 2) and repainted with black paint before installing the bolts.			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.



#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	**HD SUS: HEAVY DUTY REAR SUSPENSION TO ACCOMMODATE A PERMANENT LOAD OF +_500KG ON THE LOADBODY FOR A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications:	Remove and refit springs to reset the springs to support the heavy loads.			
	EG. Standard new vehicle - 940 mm on the showroom floor- measured at the wheel arch.			
	EG. Upgraded suspension vehicle - 920-940 mm **with 500kg of load** measured at the wheel arch.			
	Fit new 2nd blade to strengthen and support main blade.			
	Fit new blade spring friction pad -for wear and tear reduction.			
	Fit new clip blade keep leaf spring to keep springs line if required			
	Fit new extra support blade to assist with extra weight on the vehicle size according manufacturers specs			
	Fit new centre bolts(12.9HT) to be fitted			
	All U - bolts to be electro plated and must be torqued according manufacturer specs.			
	Spring pack to be re-sprayed			
	Both main blades to be clearly marked with the words Heavy Duty Springs painted on .			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	**RBR3 ROLL CAGE - TO BE FITTED TO VEHICLE LOAD BOX BASE TO ACCOMMODATE A LADDER RACK FOR A LDV SINGLE, EXTENDED OR DOUBLE CAB.**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
ROLL CAGE	**RBR3 ROLL cage - to be fitted to vehicle load box base to accommodate a ladder rack. Front and rear roll bar to form roll cage to follow contours of the vehicle cab and canopy.**			
	Front roll bar to be single pipe (75 x 2 mm)			
	Rear roll bar to be single pipe (75 x 2 mm)			
	Front and rear roll bar to be jointed together with 57 mm x 2 mm pipe on either side			
	Roll Cage to be fitted to vehicle load box base (floor) or fitted to the provided re-inforced mounting points factory fitted on the side of the loadbox. Allowing space for vehicle rear light maintenance			
	Roll bars to be fitted with a foot plate not less than 100 mm x 300 mm x 5 mm mild steel plate, mounted with 10 mm bolts and lock nuts			
	A fish plate bigger than the foot plate to be mounted underneath, to support mounting of roll cage.			
	Where an "AA" canopy is fitted, rear roll bar must still go through to reinforced panel of canopy on the floor			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	RBR1 FRONT ROLL BAR TO BE FITTED TO A LDV SINGLE, EXTENDED OR DOUBLE CAB.	Can comply with specification? YES / NO	Provide reason for non-compliance or provide proof of alternative	Eskom technical evaluation comments
Specifications:	Front roll bar to be single pipe (75 x 2 mm)			
	Top section of roll bar to be same level as vehicle cab			
	Roll bar to be fitted with a foot plate not less than 100 mm x 300 mm x 5 mm mild steel plate, mounted with 10 mm bolts			
	A fish plate bigger than the foot plate to be mounted underneath, for support.			
Supplier Acceptance of specifications: Name of representative:		Signature :		
ESKOM - Name of Evaluator :		Signature :		
ESKOM - Name of Verifier		Signature :		

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#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**INT FRAME: INTERNAL FRAME FITTED ON LOADBODY OF LDV FOR SUPPORT. Fitted as a stand-alone for ladder rack or inside canopies.**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
INTERNAL STEEL FRAME	NOTE: FRAME TO BE USED AS A: 1. STANDALONE ON OPEN LOADBOX OF LDV 2. WITH TOOLBOXES 3. WITH LADDER RACK 4. WITH CANOPY OR WITH ANY COMBINATION OF THESE.			
	Frame manufactured from 50x50x2.0 Mild Steel Tube at the rear to clear the sliding table and 50x25x2mm in front with additional support beams of 50 x25 to the mounting points on floor.			
	Mild Steel Tube as connection tubes from the rear to the front frame and the frame for the cargo slide mounting.			
	Mounting points for ladder rack to be on this frame.			
	Frame to be mounted directly onto the chassis through floor at load body mounting points with M10 HT Plated Bolts and not only to the load box floor. On double cab vehicles front mounting support plates on top and underneath loadbody to be used.			
	Mounting plates and gussets manufactured from 4.5mm MS Plate.			
	Mounting to the wheel arch where roll bar is normally fixed not allowed.			
	Frame painted with 1K Primer and 2K Gloss Black Paint.			
	If a Canopy and Ladder rack are fitted onto the Internal frame: Canopy to be fitted over the frame and sealed where the ladder rack mounting bolts goes through the canopy. Distance between the Canopy and the internal frame need to be spaced to ensure that canopy rear door locks are closing properly.			
CONDUCTOR CUPBOARD FOR INTERNAL FRAME	An in roof cupboard over the rear door opening and access from the rear. 850mm long x 750mm deep x 120mm high, with flip down lid to be fitted from the internal frame.			
	Material 6mm industrial ply with aluminium angle supports.			
	A locking mechanism on both ends of the lid hinged at the bottom.			
DRAWER SYSTEM FOR INTERNAL FRAME	A removable drawer system to be manufactured: framework of 25x25 tubing, 1410*.mm long x 300mm wide and 435mm high and fitted on the outside of the ladder rack support frame . Inner side section of drawer system to be covered by 1.6m Aluminium chequered plate.			
	Frame work below front cupboard to be converted into a toolbox lined with 1.6mm tread plate and 6mm ply floor areas. Boxes must be closed off from load box to prevent small items to get lost out of toolboxes.(6mm ply)			
	Bottom drawer 639.5mm L x 214mm W x 265mm H, manufactured from 2mm aluminium sheeting with 12 mm Industrial ply floor.			
	Top drawer 1045mm L x 214 W x 105mm H, manufactured from 1.6mm aluminium sheeting with 12 mm Industrial ply floor.			
	Top and bottom drawers will run on 3mm steel runners with 6000 ZZ ball bearings. (Max load 40kg/Drawer).			
	Top drawers lined with rubber.			
	Top drawers must have a divider at 550mm and 9mm ply lids on both sections.			
	Drawers to be fitted with stop mechanism, to prevent falling out, but still be removable.			
	Face of drawers manufacture from aluminium tread plate and fitted with steel handles 4mm with supports on both sides of drawers, and with anti–loose fasteners as the locking device fitted to the inside frame.			
	Drawer system secured to internal steel frame with self drilling screws.			
	The Section between the drawer systems above the sliding table to be covered with 2 pieces of 22mm thick board.			
	These boards must be separately removable and supplied with rope handles on both sides.			
	Industrial ply boards 12 mm to be used to cover the top section of the drawers systems to act as a floor for the "cupboard".			
	A drop door with a rope handle must from part of the floor to access the section in front of the wheel arches.			
CARGO SLIDE FOR INTERNAL FRAME	Sliding platform to be fitted onto the internal steel frame, load box floor length 1480* x width 640mm.			
	Platform must be load-bearing +/- 100kg on end fully extended.			
	A bulkhead frame with aluminium cover plate reinforced with 12 mm industrial on the front of cargo slide300mm high with side supports of 700mm long. Fitted at angle of ±30degrees.			
	Steel sliding rails with **seven** ball bearings (6201zz) on either side of platform, with a locking device to lock platform in the closed and extracted position.			
	Ball Bearings for slide: Single cab 9 bearings per side; Super-Cab 7bearings per side ; double cab 6 bearings per side,			
	Three securing nylon straps 35mm and ratchets to be supplied(1000mm long)			
	One securing nylon strap 35mm and ratchets to be supplied(2500 mm long)			
	Adjustable slide for securing straps on both sides of sliding table, on front bulkhead and at rear of table only a smaller section of 200mm .			
	Two nylon blocks to be riveted to the tailgate to support the cargo slide when fully extracted. The front of the block to be tapered, to allow for easy sliding of slide onto the blocks.			
	Cargo slide floor to be reinforced with 12 mm industrial ply and covered with 2 mm aluminium tread plate.			
	The tailgate needs to be covered with 1.6 mm aluminium tread plate to act as a work area.			
LADDER RACK FOR INTERNAL FRAME	A frame work to be built from 38.1x38.1x1.6 mild steel tubing 3400mm long and 1100 wide.			
	Frame must be simple single level ladder frame with uprights on sides to guide ladders, the uprights must be closed with plastic end caps.			
	Frame to be hot dipped galvanized.			
	Ladder rack to be mounted through the roof of the canopy onto the steel internal frame in 8 places			
	A spoiler manufactured from 0.9mm is fitted on the front section of ladder rack to reduce noise.			
	Standard 50mm Rollers with sealed bearings to be used as rollers at the back of rack, rollers must be coated with hard wearing rubber of at least 3mm thick.			
	Beacon light bracket must also be fitted on driver side.			
	Four securing 35 mm wide nylon straps (1.5 Ton Breakage) and ratchets to be supplied (1500mm long).Ratchets to be fitted on outside of ladderrack opposite cross beams .			
	Carpet strips to be fitted on top of ladder rack cross supports, to protect the ladder from scratching during the mounting process.			
	Curved Ladder rack supporting brackets manufactured from 25 x 25 x 2 mm mild steel to be mounted on rubber mountings in front of the front door of the vehicle following the contour of the vehicle.			
	The rubber mounting to be mounted on a bracket 10mm thick which is secured to the chassis where the running boards mount in the front.			
	Ladder rack Frame to be galvanised			
	Ladder rack front support beams to be galvanised.			
Additional Request	All wood to be vanished two coats on both sides.			
	Frames to be marked with an id-plate for with manufacturers details and serial nr.			
Remarks	All holes that are drilled into load box must be treated with rust inhibitor (SNK 2) and repainted with black paint before installing the bolts.			

Supplier Acceptance of specifications: Name of representative:	**Signature :**
ESKOM - Name of Evaluator :	**Signature :**
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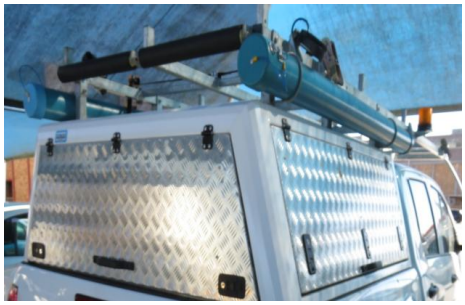
S.W.L of sliding table
evenly distributed
250 kg

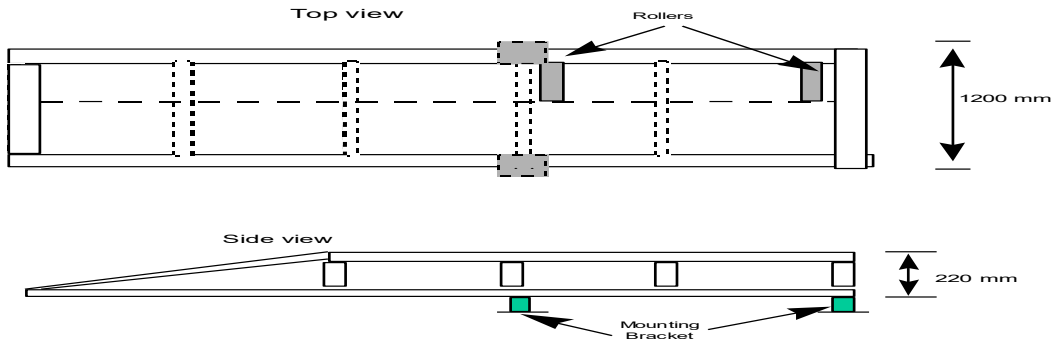


#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**LR1 DOUBLE LADDER RACK HALF LENGTH MOUNTED ON TOP OF ROLL-CAGE ON LDVS.**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications:	Length up to 2,650 mm Width up to 1,200 mm Height 220 mm Ladder rack to be manufactured of 50 x 25 x 2 mm rectangular tubing. Mounted directly to roll-bar with rubber mountings (though canopy if applicable) Rollers to be fitted as per drawing. 3 hold down straps (50 mm), spaced over length of ladder rack. Spotlights to be mounted onto both sides of roll-bar. Amber light to be mounted on the side of the lather rack and covered with expanded metal frame. Colour: white			
SUPPORT FOR LADDER RACK OVERHANG ON A DOUBLE CAB LDV	Ladder rack fitted to a double cab bakkie must have an additional support crossbar and Bracket fitted on the pillar between the front and rear doors. To be fitted without drilling holes in the cab. (Thule Type) Ladder rack to be mounted with rubbers onto te bar to prevent excessive stress on the body of the vehicle.			
	Alternatively a 'horn' support can be used to give support to the ladder rack. 'Horn' to be fitted to the chassis of the vehicle and follow the curve of the vehicle and fitted in front of the front door.			
Lights	Three working lights (Hella A2926) swivel type to be fitted. One on the left, one on the right of the front of the ladder rack and one on the r/rear of ladder rack. To be wired with fuse and switch in the cab			
	A Strobe type amber light (Hazard - HS 5300) to be mounted on the side of the ladder rack, and covered with expanded metal frame			
Supplier Acceptance of specifications: **Name of representative:**		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.


Top view
Rollers
1200 mm
Side view
220 mm
Mounting
Bracket


THULE


Eskom


CF 100-12G

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**LR2 SINGLE LADDER RACK HALF LENGTH MOUNTED ON TOP OF ROLL-CAGE ON LDVS.**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications:	Max Length up to 3,650 mm			
	Width up to 650 mm			
	Height 220 mm			
	Ladder rack to be manufactured of 50 x 25 2 mm rectangular tubing			
	Front Support Struts to be fitted between front roll bar and front of ladder rack			
	Ladder rack to be hot dipped galvanised			
	Expanded metal sheet to be fitted along entire base of ladder rack			
	Two meranti wooden slats (150 mm x 25 mm) to be fitted on top of expanded metal and correctly spaced (410 mm centre to centre of plank), according to ladder type. Meranti planks to have two coats of wood preservative			
	Mounted directly to roll bar with rubber mountings (through canopy if applicable)			
	One roller to be fitted at rear of rack			
	Brackets for 3 working lights and aerial to be fitted			
SUPPORT FOR LADDER RACK OVERHANG ON A DOUBLE CAB LDV	Ladder rack fitted to a double cab bakkie must have an additional support crossbar and Bracket fitted on the pillar between the front and rear doors. To be fitted without drilling holes in the cab. (Thule Type) Ladder rack to be mounted with rubbers onto te bar to prevent excessive stress on the body of the vehicle.			
	Alternatively a 'horn' support can be used to give support to the ladder rack. 'Horn' to be fitted to the chassis of the vehicle and follow the curve of the vehicle and fitted in front of the front door.			
Lights	Three working lights (Hella A2926) swivel type to be fitted. One on the left, one on the right of the front of the ladder rack and one on the r/rear of ladder rack. To be wired with fuse and switch in the cab			
	A Strobe type amber light (Hazard - HS 5300) to be mounted on the side of the ladder rack, and covered with expanded metal frame			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

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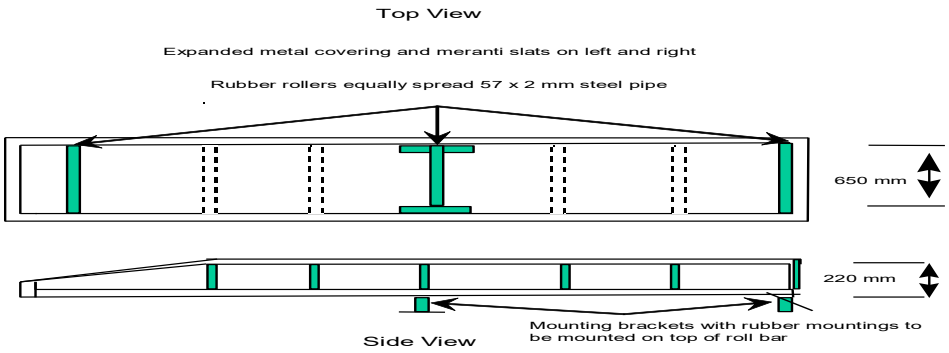


THULE


THULE


BEEKMAN
XLT
4X4
Ford
RANGER
CF 100 120


Eskom


CF 100-120

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**LR5 DOUBLE LADDER RACK HALF LENGTH WITH SIDE LADDER (COASTAL) MOUNTED ON TOP OF ROLL-CAGE ON LDVS.**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications:	Full ladder rack Length up to 3,100 long x 165 high side frame 32 mm square tube			
	1,250 mm x 32 mm square tube cross bar			
	Rotating light bracket (4 mm thickness), to fit a rotating light with a 100mm diameter to be fitted to R/H side of the ladder rack. Positioned in the middle of the vehicle.			
	Spot light bracket (4 mm thickness), with 8 mm diameter holes For the light will be bolted to.			
	Rollers 55 mm x 600 mm on ball bearing, rubber coated			
	Ratchet strap anchor hook bracket 10mm round bar			
	Link stick holder 2,000 mm x 110 mm PVC pipe lockable			
	Ratchet tie down, 50 mm on chevron bracket			
	Aerial bracket			
	Side ladder			
	Side ladder bracket			
	Wood plastic composite slats, 150 mm x 25 mm			
	Mounted directly to ROLL-CAGE (TBX4) OR INTERNAL FRAME (INT FRAME) with rubber mountings (through canopy if applicable)			
SUPPORT FOR LADDER RACK OVERHANG ON A DOUBLE CAB LDV	Ladder rack fitted to a double cab bakkie must have an additional support crossbar and Bracket fitted on the pillar between the front and rear doors. To be fitted without drilling holes in the cab. (Thule Type) Ladder rack to be mounted with rubbers onto te bar to prevent excessive stress on the body of the vehicle.			
	Alternatively a 'horn' support can be used to give support to the ladder rack. 'Horn' to be fitted to the chassis of the vehicle and follow the curve of the vehicle and fitted in front of the front door.			
Lights	Three working lights (Hella A2926) swivel type to be fitted. One on the left, one on the right of the front of the ladder rack and one on the r/rear of ladder rack. To be wired with fuse and switch in the cab			
	A Strobe type amber light (Hazard - HS 5300) to be mounted on the side of the ladder rack, and covered with expanded metal frame			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

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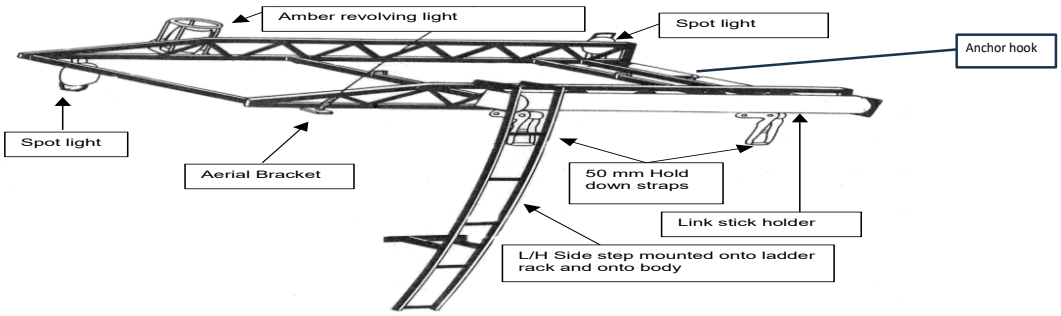
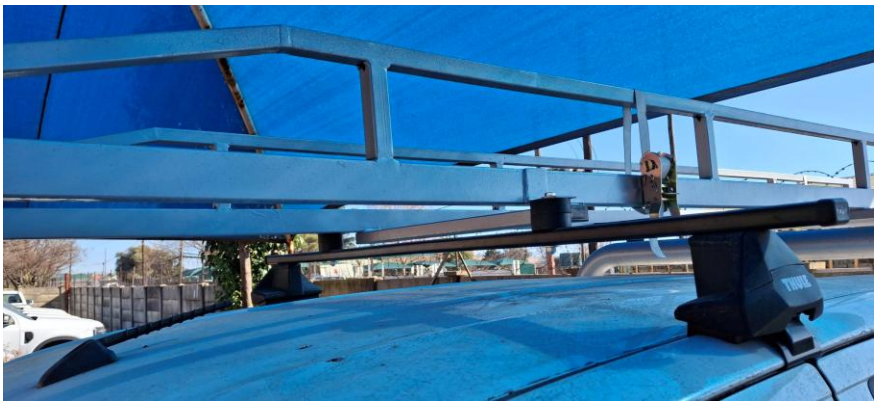

Amber revolving light
Spot light
Anchor hook
Spot light
Aerial Bracket
50 mm Hold down straps
Link stick holder
L/H Side step mounted onto ladder rack and onto body


Eskom


THULE


THULE


Eskom


CF 100-120

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	**LADDER CLAMP**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications:	40 x 40 mm square tube cross bar (length 440 mm)			
	50 x 50 mm flat bar for hook piece welded to threaded round bar			
	Hook piece is 30 mm on the flat surface and upper edge is 35 mm			
	Threaded round bar diameter (16 mm) x (450 mm) in length with stop end welded on top end of round bar to prevent wing nut from coming off			
	Pressure area on square bar to be suitably reinforced			
	Two 25 x 25 mm angle iron pieces (length 112 mm) welded to cross bar			
	Width between angle iron pieces is 330.5 mm			
	Pressure areas on angle iron pieces to be covered with thin rubber			
	700 mm length of light weight galvanised chain and safety hook to be fitted to the hole in the square tube cross bar			
	The complete bracket to be electro-plated			
	Two 10 x 120 mm pieces of round bar to be welded to a suitable nut on the threaded round bar to construct a wing nut for tightening down the clamp			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

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#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	**ALUMINIUM STORAGE BOX TO BE FITTED BEHIND THE SEATS OF EXTENDED CAB / SUPER CAB VEHICLES.**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications:	Length = 1300mm			
	Width = 300mm			
	Height = Up to 360 mm			
	provide storage compartment inside the box for the Jack and wheel spanner 205x 125mmx 112mm			
	Box to be divide into two equal section with a removable aluminium portion.			
	Lids need to have stays to secure in the open position			
	To be mounted to the Extended Cab vehicle trough the floor with reinforcing both sides.			
	Material 1.6mm aluminium sheeting			
	2 x Hinged lids			
	2 slam flush canopy type locks			
	Colour: Grey			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

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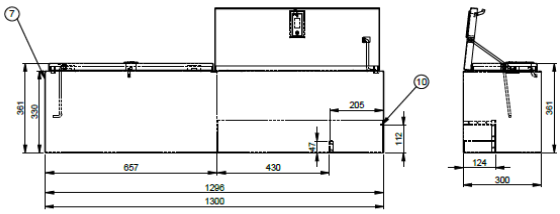
7
10
361
330
205
112
47
657
430
1296
1300
361
124
300

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	TBX1 SINGLE TOOLBOX BEHIND CAB (STEEL)	Can comply with specification? YES / NO	Provide reason for non-compliance or provide proof of alternative	Eskom technical evaluation comments
Specifications:	Single Toolbox mounted behind cab with hinged lid and slam locks			
	Toolbox to me manufactured with 1.6mm thick steel and bolted through the floor			
	To be bolted to the floor with at least 8mm bolts, the holes in the load body must be protected with rust protection			
	Length = Width of load body			
	Width = Up to wheel arch			
	Height = Up to 500 mm			
	Hinged lid			
	2 slam locks (self-locking)			
	Colour: Black			
Supplier Acceptance of specifications: Name of representative:		Signature :		
ESKOM - Name of Evaluator :		Signature :		
ESKOM - Name of Verifier		Signature :		

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#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	TBX2 ONE SINGLE TOOLBOX MOUNTED ALONG THE SIDE OF LOAD BOX - FROM BEHIND CAB TO TAILGATE.	Can comply with specification? YES / NO	Provide reason for non-compliance or provide proof of alternative	Eskom technical evaluation comments
Specifications:	One single Toolbox mounted either side of load body with hinged lid and slam locks (Full length)			
	Toolbox to me manufactured with 1.6mm thick steel and bolted through the floor			
	To be bolted to the floor with at least 8mm bolts, the holes in the load body must be protected with rust protection			
	Length = From front of load box to rear of load box			
	Width = Up to 450 mm			
	Height = Up to 500 mm			
	Hinged lid.			
	Slam locks (self-locking) to each lid			
	Colour: Black or grey			

Supplier Acceptance of specifications: Name of representative:	**Signature :**
ESKOM - Name of Evaluator :	**Signature :**
ESKOM - Name of Verifier	**Signature :**

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#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	TBX4 LINK STICK HOLDER	Can comply with specification? YES / NO	Provide reason for non-compliance or provide proof of alternative	Eskom technical evaluation comments
Specifications:	Link stick holders are fitted to the bottom of the front and rear roll bars for stowage purposes.			
	Length: 2300 mm			
	Holder: 110 x 2 mm Mild Steel / PVC round tubing			
	Front cap: 2 mm Mild Steel / PVC round tubing covering front open end			
	Hinge: 50 mm Electro Galvanised			
	Lock: Hasp staple			
	Bracket: 40 x 2 mm Mild steel sheeting			
	Rear end to be closed off by welding sheet metal to opening			
	Front cap hinge to be welded to holder			
	Hasp staple to be welded to cap and holder			
	Holder to be waterproof to be painted with one layer of etch primer, two layers of MS primer and two layers of white polyurethane topcoat			
	Finish may alternatively be done by hot dip galvanising			
	Link-stick holder brackets to be secured to brackets on roll bars with 8 mm bolts and nylock nuts			

Supplier Acceptance of specifications: Name of representative:	**Signature :**
ESKOM - Name of Evaluator :	**Signature :**
ESKOM - Name of Verifier	**Signature :**

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#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
DESCRIPTION	**TBX5 ONE SINGLE TOOLBOX MOUNTED IN FRONT OF VEHICLE LOAD BOX AND ONE TOOL BOX MOUNTED ON EITHER SIDE OF LOAD BODY WITH HINGED LID AND SLAM LOCKS (FULL LENGTH)**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications:	One single Toolbox mounted in front of vehicle load box and one tool box mounted on either side of load body with hinged lid and slam locks (Full length)			
	Toolbox to me manufactured with 1.6mm thick steel and bolted through the floor			
	To be bolted to the floor with at least 8mm bolts, the holes in the load body must be protected with rust protection			
	Length = Width of load body			
	Width = Up to wheel arch			
	Height = Up to 500 mm			
	Hinged lid.			
	2 slam locks (self-locking)			
	Colour: Black			
	Length = From front toolbox to rear of load box (1,200 mm)			
	Width = Up to 450 mm			
	Height = Up to 500 mm			
	Hinged lid.			
	Slam locks (self-locking) to each lid			
	Colour: Black or grey			

Supplier Acceptance of specifications: Name of representative:	**Signature :**
ESKOM - Name of Evaluator :	**Signature :**
ESKOM - Name of Verifier	**Signature :**

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#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**TBX6 (EL) TWO SINGLE TOOLBOXES MOUNTED EITHER SIDE OF LOAD BODY AND ONE TOOLBOX MOUNTED BEHIND CAB WITH HINGED LIDS MADE FROM ALUMINIUM CHECKER PLATE. SUITABLE FOR LWB AND SWB VEHICLES**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications	Sizes (width, length, height) to suit vehicle type and load body dimension. Bins A, B, C, to be separated and bolted to floor of load body.			
	All bins to have own bottom, back and sides (drainage holes in bottoms) and be lockable with "Venter" catches and durable heavy-duty hinges on lids.			
	Upper edge, below lids, to have sealing lip for push-on type rubber seal (boot rubber)			
	Material type and thickness: Mild steel plate for bottom, back and sides (2 mm). Aluminium checker plate for all lids (3 mm)			
	ONLY mild steel sections (bottom, back and sides) to be sprayed with undercoat and finished with matt black.			
	All lids to have lifting handles and retaining rods to keep them open.			
	Two or three lifting trays with lifting handles to be fitted to right hand side of Bin C, as indicated in drawing.			
	Lid for Bin B to be shaped to clear roll bar when open.			
	Sizes: Bin B length (1,400 mm), width (500 mm), height (350 mm)			
	Bin A & C length (1,600 mm), width (400 mm), height (350 mm)			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

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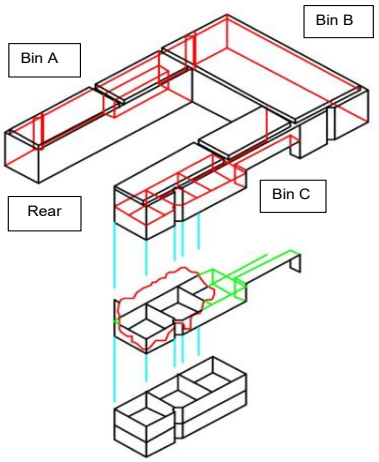

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**TBX7 (EL) TWO SINGLE TOOLBOXES MOUNTED EITHER SIDE OF LOAD BODY AND ONE TOOLBOX MOUNTED BEHIND CAB WITH HINGED LIDS MADE FROM ALUMINIUM TREAD PLATE. SUITABLE FOR DOUBLE CAB VEHICLE**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	Sizes (width, length, height) to suit vehicle type and load body dimension. Bins A, B, C, to be separated and bolted to floor of load body. Wheel arches to be reinforced to carry roll support cage.			
	All bins to have own bottom, back and sides (drainage holes in bottoms, rubber plugged) and be lockable with "Venter" catches and durable heavy-duty hinges on lids.			
	Upper edge, below lids, to have sealing lip for push-on type rubber seal (boot rubber			
	Material type and thickness: Mild steel plate for bottom, back and sides (2 mm). Aluminium checker plate for all lids (3 mm)			
	ONLY mild steel sections (bottom, back and sides) to be sprayed with undercoat and finished with matt black.			
	All lids to have lifting handles and retaining rods to keep them open.			
	Two or three lifting trays with lifting handles to be fitted to right hand side of Bin C, as indicated in drawing.			
	Lid for Bin B to be shaped to clear roll bar when open.			
	Bin B fits between wheels arches			
	Sizes: Bin B length (1,008 mm), width (800 mm), height (350 mm)			
	Bin A & C length (640 mm), width (400 mm), height (350 mm)			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

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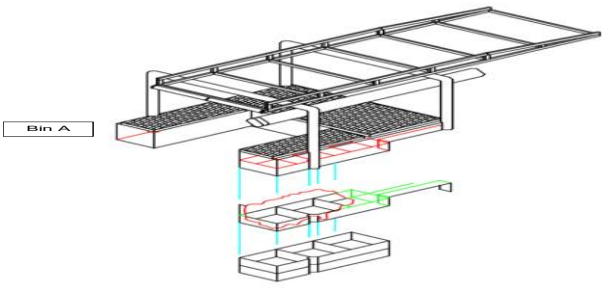

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ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**TBX PV WOOD : WOODEN TOOLBOXES, SIDES AND PARTITION FOR PANELVAN**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications	Wooden toolboxes with lockable lids, manufactured of 12mm industrial ply wood, mounted in back of Crew cab with wooden floor and sides. (1) Wooden partition between load area and crew area. (2) Two toolboxes on each side of load body.			
Wooden Partition no1	Wooden partition made of 12 mm industrial ply = Full width and full height of load space directly behind the rear seat of the vehicle, with opening of 710mm X 400 mm in the middle – top part of the partition to access view for rear view mirror. Opening must be covered with a cargo net.			
Toolboxes no2	Toolboxes x 2, one on each side with 785 load space between tool boxes.			
	Length = (From partition in front as far back as possible)			
	Width = 400mm			
	Height = 970 mm			
	Length = 950mm			
	Toolboxes and lids to be manufactured of 12mm industrial ply wood.			
	All edges to be rounded off.			
	Tool boxes must be made with loading space on top, full size of toolbox. Loading space in front left side = 3x pigeon holes 225x180 mm on top of each other. Cupboard with 2x doors opening side ways on the right side = 660mm x 530mm (doors =330 x 530) Cupboard on the bottom of the toolbox with lid opening to the bottom = 950mm x 280 mm.			
Wooden floor and sides	Lids must be lockable. (nose and staple)			
	Toolboxes to be mounted on top of wooden floor and against wooden sides. Rear of toolboxes must follow the curve of the load space sides. All joints must be reinforced with solid wood strips / aluminium corner strips.			
	The floor must be the full size of the load body floor and the sides must be up to the top of the toolbox back sides. Manufactured of 12mm industrial ply wood. All wood must be sealed with a durable clear wood sealer.			
Link stick holder	1200mm x 100mm PVC pipe with lockable lid to be fitted threw the length of the cupboard (on the floor) to accommodate the link stick.			
Comments	Outside corners of boxes must be reinforced with aluminium strips.			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

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#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**WOODEN PV LOAD: PANELVAN STORAGE AREA LINED WITH WOODEN FLOOR AND SIDES**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications:	**Wooden floor and sides**			
	Manufactured of 8mm industrial ply wood, mounted in the rear of panel van on the entire floor and the sides up to the roof. The floor must be the full size of the cargo area and the sides must be up to the top of the roof.			
	Floor must be screwed onto the vehicle floor.			
Specifications:	**Partition behind the seats**			
	Wooden partition made of 12 mm industrial ply = Full width and full height of load space directly behind the rear seat of the vehicle, with opening of 710mm X 400 mm in the middle – top part of the partition to access view for rear view mirror. Opening must be covered with a cargo net.			
	All wood must be sealed with a durable clear wood sealer.			

Supplier Acceptance of specifications: Name of representative:	**Signature :**
ESKOM - Name of Evaluator :	**Signature :**
ESKOM - Name of Verifier	**Signature :**

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#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**TBX LDV WOOD : WOODEN SIDE TOOLBOXES FOR LDV**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	Wooden toolboxes with no lids, manufactured of 8mm industrial ply wood, mounted in load body covered with a smart cover. Two toolboxes on each side of load body.			
	Length = 650mm			
	Width = 300mm			
	Height = 400 mm			
	All edges to be rounded off.			
	Toolboxes to be mounted on top of load body floor and against sides.			
	All joints must be reinforced with solid wood strips / aluminium corner strips.			
	Toolboxes and lids to be manufactured of 8mm industrial ply wood.			
	All wood must be sealed with a durable clear wood sealer			

Supplier Acceptance of specifications: Name of representative:	**Signature :**
ESKOM - Name of Evaluator :	**Signature :**
ESKOM - Name of Verifier	**Signature :**

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**WOODEN LDV LOAD: LDV LOADBIN LINED WITH WOODEN FLOOR AND SIDES**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	Wooden Floor and sides for LDV loadbin.			
	The floor must be the full size of the load body floor and the sides must be up to the top of the load body sides. Manufactured of 8mm industrial ply wood. All wood must be sealed with a durable clear wood sealer.			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**RUBBERISING LOAD BIN OF AN LDV: DOUBLE CAB, SINGLE CAB, EXTENDED CAB**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	Load bid to be prep for rubberising			
	Rubberising to be 5 mm thickness			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**FIRE EXTINGUISHER AND BRACKET**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specifications:	Dry chemical powders fire extinguishers with heavy duty brackets to be fitted to the vehicles.			
	Fire extinguishers supplied must conform to the minimum fire ratings as specified in SANS 1910:2020.			
	1.5kg Dry chemical powder fire extinguisher			
	4.5kg Dry chemical powder fire extinguisher			
	SABS approved			
Fitment	FIRE EXTINGUISHERS AND THEIR BRACKETS - LDV: Fitted to the rear of the vehicle - as close as possible to the tailgate or door opening. Sedan in the boot.			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Decription	**PDC F: PARK DISTANCE CONTROL ASSISTS ON FRONT BUMPER (PDC). ON ANY SEDAN OR LDV**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	**PDC F: Required for Park distance control assists the driver when parking and manoeuvring and helps to avoid damage to the vehicle when parking into tight or blind spots. On any Sedan or LDV**			
	PDC control unit			
	2 ultrasonic transducers in front bumper			
	Rear tone generator (Loudspeaker/beeper / voice activate in vehicle)			
	Ultrasonic transducer must be fitted according vehicle manufacture spec			
Switch on conditions	Only activate when engaging forward gear (No manual override)			
Switch –off conditions	Switch –off with ignition			
Ultrasonic transducers	Must be water a and dust proof IP65 Rating			
Fault code	When PDC system is faulty, it must indicate to the driver when he attempts to activate the PDC by an indicator lamp flashing or warning.			
Detection Range	The object protection range: 0.8-1.2 meter, the detection range starts from 0.8m for the front ,and the system should beep constantly when the object is 20cm from the bumper(minimum)			
Ultrasonic transducers and measurement	The object protection range:			
	Rear centre transducer – 150 cm			
	Rear corner transducer – 60cm			
	The object protection range: 0.8-1.2meter,the detection range starts from 0.8cm for the front ,and the system should beep constantly when the object is 20cm from the bumper			
Warranty	Minimum of two years manufacturers guarantee			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

#VALUE!

ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**PDC R: PARK DISTANCE CONTROL ASSISTS ON REAR BUMPER (PDC). ON ANY SEDAN OR LDV**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	Required for Park distance control assists the driver when parking and manoeuvring and helps to avoid damage to the vehicle when parking into tight or blind spots.			
	PDC control unit			
	4 ultrasonic transducers in rear bumper			
	Rear tone generator (Loudspeaker / voice activate in vehicle)			
	Ultrasonic transducer must be fitted according vehicle manufacture spec			
Switch on conditions	Only activate when engaging reverse gear (No manual override)			
Switch –off conditions	Switch –off with ignition			
Ultrasonic transducers	Must be water and dust proof IP65			
Fault code	When PDC system is faulty, it must indicate to the driver when he attempts to activate the PDC by an indicator lamp flashing or warning.			
Ultrasonic transducers and measurement	The object protection range:			
	Rear centre transducer – 150 cm			
	Rear corner transducer – 60cm			
	The object protection range: 1-1.6meter,the detection range starts from 1m for the rear ,and the system should beep constantly when the object is 20cm from the bumper (Minimum)			
Colour code	Ultrasonic transducers must match colour of exciting bumpers			
Mounting of generator	Not to impair the view of driver or damage console or dash board of vehicle			
Warranty	Minimum of two years manufacturers guarantee			
Supplier Acceptance of specifications: Name of representative:		**Signature :**		
ESKOM - Name of Evaluator :		**Signature :**		
ESKOM - Name of Verifier		**Signature :**		

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.

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ANNEXTURE A : SPECIFICATIONS FOR ESKOM DISTRIBUTION VEHICLE ACCESSORIES

ASSESSORY		Tendering Service Provider to complete		Eskom technical team to complete
Description	**SMASH AND GRAB TINTING OF WINDOWS**	**Can comply with specification? YES / NO**	**Provide reason for non-compliance or provide proof of alternative**	**Eskom technical evaluation comments**
Specification	Smash and Grab tint of windows on any vehicle must be done according to the NRTA specifications.			

Supplier Acceptance of specifications: Name of representative:	**Signature :**
ESKOM - Name of Evaluator :	**Signature :**
ESKOM - Name of Verifier	**Signature :**

Any proposed deviations from this specification shall be listed below with reasons for the deviation(s). In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom.