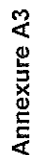


Tendering Service Provider to complete

Eskom technical team to complete

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

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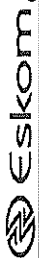


Annexure A3

H. W. E. 4239324

SINGLE TOOLBOX BEHIND CAB (steel)		Tendering Service Provider to complete		Eskom technical team to complete
		Comply	Provide reason for Comply or non-compliance	Eskom technical evaluation comments
SINGLE TOOLBOX Specifications:	Length = Width of load body			
	Width = Up to wheel arch			
	Height = Up to 500 mm			
	Hinged lid			
	2 slam locks (self-locking)			
	Colour: Black			
	Acceptance / Acceptance			
Name of Evaluator :		Signature :		
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				

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Eskom

exure A3

Vehicle Job Description	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	Tendering Service Provider to complete	Eskom technical team to complete
Technical Specification		Comply	Provide reason for Comply or non-compliance
2 Ultrasonic transducers in front bumper			
Rear tone generator (Loudspeaker/beeper / voice activate in vehicle)			
Ultrasonic transducer must be fitted according vehicle manufacture spec			
Only activate when engaging forward gear (No manual override)			
Switch –off with ignition			
Must be water a and dust proof IP65 Rating			
When a fault in the system it must indicated to the driver when he attempts to activate the PDC by an indicator lamp flashing or warning.			
The object protect in 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)			
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			
Minimum of two years manufacturers guarantee			
Warranty			
Acceptance / Acceptance			
Name of Evaluator :		Signature :	
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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Annexure A3		Tendering Service Provider to complete		Eskom technical team to complete
Description		Comply	Provide reason for Comply or non-compliance	Eskom technical evaluation comments
Specification	Description			
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 thru the length of the cupboard (on the floor) to accommodate the link stick.			
Comments	Outside corners of boxes must be reinforced with aluminium strips.			
Acceptance / Acceptance				
Name of Evaluator :		Signature :		
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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M. May 4234329

		Tendering Service Provider to complete		Eskom technical team to complete
		Comply	Provide reason for Comply or non-compliance	Eskom technical evaluation comments
	LINK STICK HOLDERS X2 on LDV			
LINK STICK HOLDERS	Length: 2300 mm			
Specifications:	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			
Acceptance / Acceptance				
Name of Evaluator :		Signature :		
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				

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Eskom

Exure A3

Electrical on all canopies and ladder racks. On LDV		Tendering Service Provider to complete		Eskom technical team to complete	
Specification	Description	Comply	Provide reason for Comply or non-compliance	Eskom technical evaluation comments	
Canopy Lights (interior) (are fitted to the inside of the canopy to assist with night time operations)	12 volt LED strip lights lamps (42W 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 pull out and push in connection between the canopy and cab on the wiring side of ladder rack on provided brackets.				
Working lights (are fitted to the ladder rack to assist with night time operations)(	2 x LED 60W flood lamps to be mounted to the ladder rack as working lights.— one on each side of ladder rack on provided brackets. The light should be of the high beam focus type allowing an ample focus of the beam on the subject and its immediate surroundings. A wide angle or telescopic beam is deemed unsuitable. Fitment to brackets or mounting plates provided on ladder rack. All wiring neatly in Ducting A separate switch is to be fitted in the cab to control the lights. Run the wiring through the ladder rack frame from front to the back A water proof wiring connection from cab to canopy on the front of canopy IP65 Rating				
Amber revolving lights	12 volt heavy duty (Vibration proof) Led strobe light to be Mounted on R/H side of the ladder rack. All wiring neatly in Ducting A separate switch with a warning light to be fitted in the cab to control the light. Run the wiring through the ladder rack frame from front to the back A water proof wiring connection from cab to canopy on the front of canopy IP65 Rating Fit LED interior light (TL217DXL) type with switch in cab linked to the existing 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	Micro 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.				
W Terminal	A W terminal to be fitted to the alternator to be utilized as a pick up point for the OBC.				
Blind spot mirrors	Fit 2 blind spot mirrors round 40mm in diameter.				
Fuse box	A 6 way fuse box to be fitted and all connections eg. 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.				
Acceptance / Acceptance					
Name of Evaluator :		Signature :			
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


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SINGLE TOOLBOX BEHIND CAB (steel)		Tendering Service Provider to complete		Eskom technical team to complete
		Comply	Provide reason for Comply or non-compliance	Eskom technical evaluation comments
SINGLE TOOLBOX <i>Specifications:</i>	Length = Width of load body			
	Width = Up to wheel arch			
	Height = Up to 500 mm			
	Hinged lid			
	2 slam locks (self-locking)			
	Colour: Black			
Acceptance / Acceptance				
Name of Evaluator :		Signature :		
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

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AMBER ROTATING LIGHT STROBE TYPE		Tendering Service Provider to complete		Eskom technical team to complete	
AMBER ROTATING LIGHT	Specifications:	Comply	Provide reason for Comply or non-compliance	Comply	Eskom technical evaluation comments
	12 volt heavy duty (vibration proof) Led generation 3 strobe light to be mounted on R/H side of the ladder rack.				
	All wiring neatly in Ducting				
	A separate switch with a warning light to be fitted in the cab to control the light.				
	Run the wiring through the ladder rack frame from front to the back				
	A water and dust proof wiring connection from cab to canopy on the front of canopy IP65 Rating				
	Acceptance / Acceptance				
	Name of Evaluator :	Signature :			
	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

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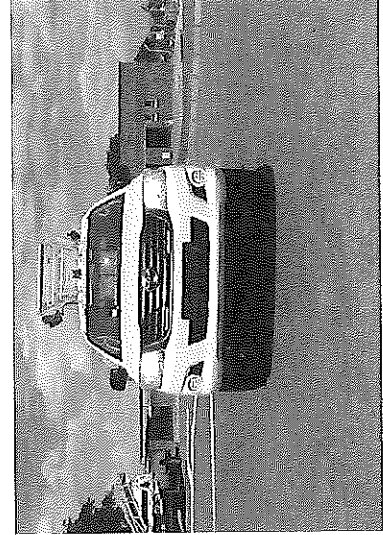
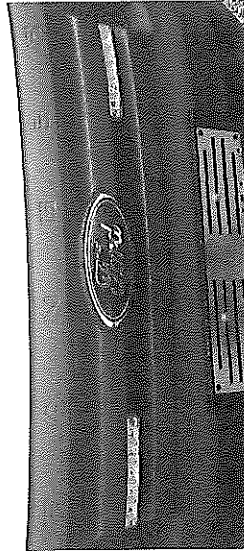
Eskom
exure A3

WORKING LIGHTS LED 60W flood lamps on LDV		Tendering Service Provider to complete		Eskom technical team to complete	
		Comply	Provide reason for Comply or non-compliance	Eskom technical evaluation comments	
WORKING LIGHTS Specifications:	LED 60W spot light to be mounted to the side of the ladder rack above front doors.				
	LED 60W flood lamps to be mounted to the ladder rack as working lights.-- on the side of ladder rack on provided brackets close to the rear of the ladderrack.				
	The light should be of the high beam focus type allowing an ample focus of the beam on the subject and its immediate surroundings. A wide angle or telescopic beam is deemed unsuitable.				
	Fitment to brackets or mounting plates provided on ladder rack.				
	All wiring neatly in Ducting				
	A separate switch is to be fitted in the cab to control the lights.				
	Run the wiring through the ladder rack frame from front to the back				
	A water and dust proof wiring connection from cab to canopy on the front of canopy, IP65 Rating				
	Acceptance / Acceptance				
	Name of Evaluator :				
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		Signature :			

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LED Daytime running lamps. On any Sedan or LDV		Tendering Service Provider to complete	Eskom technical team to complete
Comply	Provide reason for Comply or non-compliance	Eskom technical evaluation comments	
Description	LED Daytime running lamps to be		
Size	250 x 180 x 60 mm		
Type of lamp	A new style product with E-mark 87R certificate		
	Super bright LED bulb with over 50,000hours lifespan		
	Voltage for 12v application		
	Heat protect circuit		
	Colour white		
	Rugged construction		
Fitment	Daytime running lamps shall be fitted not less than 250mm from the ground level and as far as possible to the outside of front nose of vehicle.		
	The filament of the lamp must be in such a manner that the light emitted through lamp does not cause discomfort to the driver, either directly or indirectly through any of the rear view mirrors or other reflecting surface of such vehicle.		
Ignition	The LED daytime lamps must switch on and off automatically with the ignition.		
	The LED daytime running lamps must be connected in such a manner that the rear tail light is on at the same time.		
Remarks	Daytime running lamps must have one solid base and not replaceable bulbs.		
	All wiring neatly in ducting		
	LED lights to be fitted according to the NRTA		
	Wiring must be connected through a separated fuse box.		
Acceptance / Acceptance			
Name of Evaluator :	Signature :		
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.



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Eskom		Annexure A3		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		Tendering Service Provider to complete		Eskom technical team to complete	
Vehicle Job Description						Comply	Provide reason for Comply or non-compliance		Eskom technical evaluation comments
Technical Specification									
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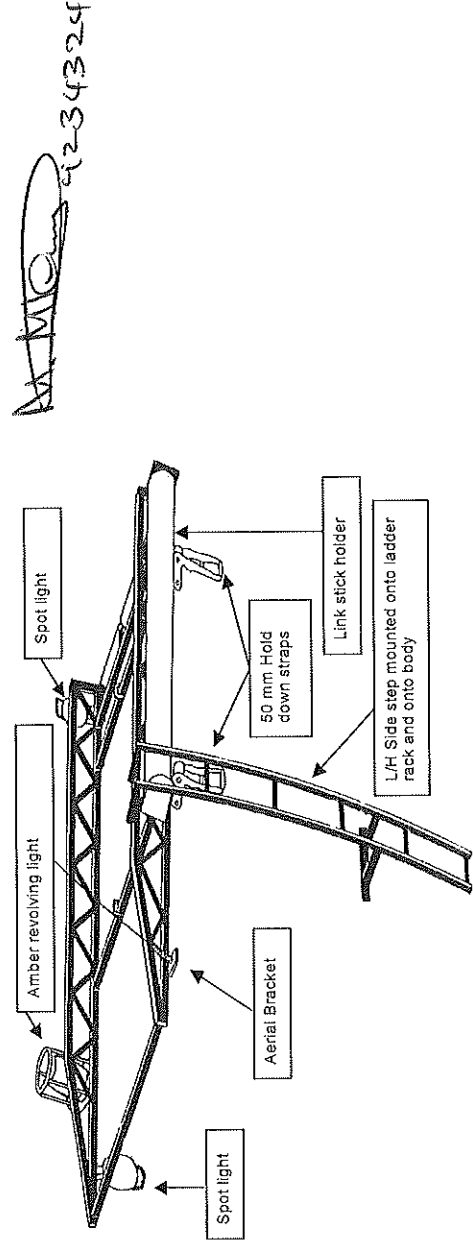


Annexure A3

M. Mc 42-34324

Description	Double ladder rack half length mounted on LDV		Tendering Service Provider to complete		Eskom technical team to complete	
	Comply	Provide reason for compliance	Comply	Provide reason for compliance	Comply	Provide reason for compliance
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 plate, 8 mm O-Ring, 10 mm O spokes						
Spotlight brackets 5 mm plate						
Rollers 55 mm 0 x 600 mm on ball races, clear plastic coated						
Web hook U bracket 120 mm round bar						
Link stick holder 2,000 mm x 110 mm O PVC lockable						
Ratchet tie down, 50 mm on chevron bracket						
Aerial bracket						
Side ladder						
Side ladder bracket						
Wooden slats, 150 mm x 25 mm meranti, 2 Coats penetrating wood preservative						
If ladder rack is not fitted on standard Eskom canopy (category CAN1 - CAN4, fitted with roll cage), then ladder rack to be fitted on vehicle by means of front and rear roll bars as per specification RBR 2						
Mounted directly to roll bar with rubber mountings (through canopy if applicable)						
LIGHTS						
REFER TO ELECTRICAL SHEET						
Reinforcing to be done on the first 250mm from each side of roof as follows, and two wooden reinforcing beams to be fitted across the inside of the canopy roof						
1 st layer of 300 gr/m ² - 2 nd layer of 450gr/m ² - 3 rd layer in canopy covers the 2 reinforcing beams with a layer of 450 gr/m ² mat						
Roundings: 4 th layer of 450 gr/m ² mat covering the membrane, 3 ply Plywood covered with 5 th layer of 450 gr/m ² mat where the mounting points for ladder racks should be.						
Acceptance / Acceptance						
Name of Evaluator :						
Name of Verifier						
Signature :						
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



Standard Ladder Rack and Ladder Maintenance and Use of Items Used for Ladder Rack

Single Ladder rack rail length

Specifications:

Width up to 650 mm

Height 220 mm

Ladder rack to be manufactured of 50 x 25 x 2 mm rectangular tubing

Front Support Struts to be fitted between front rail bar and front of ladder rack

Ladder rack to be hot dipped galvanized

Excesses metal sheet to be fitted along entire base of ladder rack

Two metal support struts 100 mm x 25 mm to be fitted on base of ladder rack

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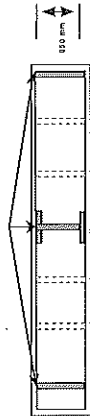
Two metal support struts 100 mm x 25 mm to be fitted on base of ladder rack

Two metal support struts 100 mm x 25 mm to be fitted on base of ladder rack

Top View

Excess metal covering and material shall be cut and right

Rubber sheet shall extend 25 x 25 mm over plate



Side View

Measuring brackets with rubber mounting to be marked on top of rail bar



Handwritten signature: M. M. M. 12-34324