

	<b>SCOPE OF WORK</b>	Unique Identifier	
		Revision	Rev. 0
		Revision Date	

## 1. SCOPE OF WORK

**SUPPLY AND DELIVERY OF PRECAST CONCRETE PRODUCTS AS PER ESKOM IDENTIFIED REQUIREMENTS ON VARIOUS SUBSTATIONS / SITES ACROSS ALL SOUTH AFRICAN PROVINCES.**

Eskom Rotek Industries require the following for SUBSTATIONS DEPARTMENT (VARIOUS PROJECTS) as per Eskom identified requirements on substations across all South African Provinces.

PRECAST CONCRETE PRODUCTS		
Item	Description	Unit
<b>KERBS &amp; TRENCH COVERS &amp; PAVER BRICKS</b>		
<b>MACHINE PRESSED KERBS</b>		
	<b>Figure 3</b> Heavy Duty Barrier Kerb 1 m long 106 KG	ea
	<b>Figure 5</b> Heavy Duty Barrier Kerb 1 m long 106 KG	ea
	<b>Figure 7</b> Heavy Duty Semi-Mountable Kerb Short : 330 mm & 35 KG.	ea
	<b>Figure 8a</b> Mountable Kerb Light 1 m Long 83 KG.	ea
	<b>Figure 8b</b> Mountable Kerb, Medium 1 m long & 93 Kg.	ea
	<b>Figure 8c</b> Mountable Kerb, heavy duty long : 1m & 117 Kg	ea
	<b>Figure 8c</b> Mountable Kerb, heavy duty short : 1m & 39 Kg	ea
<b>CONCRETE BOLLARDS</b>		
	<b>Standard 250 Bollard smooth grey</b> Length 1200 mm, Diameter 150 mm, Reinforcing 4x10 & Mass 141 KG	ea
	<b>Standard 150 Bollard smooth grey</b> Length 1200 mm, Diameter 150 mm, Reinforcing 4x10 & Mass 48 kg	ea
<b>DOWN CHANNELS</b>		
	<b>Down Channel 500 mm</b> Length 500 mm, Mass 24Kg	ea
	<b>650 mm Down Channel</b> Length 600 mm, Mass 30 Kg	ea

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	<b>750 mm Down Channel</b> 750 mm Lenght 750 mm & 38 Kg	ea
	<b>900 mm Down Channel</b> Length 900 mm & 43 Kg	ea
<b>GULLEY</b>		
	<b>Standard Gulley</b> <b>Gulley Heads:</b> Dimensions L x W xH : 445x430x165 mm.Hole 125 & Weight 33kg	ea
	<b>Square hole Gulley</b> Dimensions 490x440x170 & hole 240x240: Weight 44 Kg	ea
	<b>Horsehoe Surround</b> Dimensions : 445x400x160 mm.Opening 275x315 mm Weight 28 Kg	ea
<b>BUILDERS' MISCELLANEOUS PRODUCTS</b>		
	<b>AIR BRICK Colour</b> : Size 220x160x50 mm	ea
	<b>Klompje window sills</b> : Size 240x180x35 mm	ea
	<b>GENERAL PURPOSE TRENCH COVER : A</b>	
	<b>Trench Covers</b> :Size 900 x 600 x 70 mm thick.	ea
	<b>Trench Covers</b> :Size 900 x 600 x 70 mm thick with reinforcing	ea
	<b>Trench Covers</b> :Size 900 x 300 x 75 mm thick with reinforcing	ea
	<b>Trench Covers:</b> Single Layer of ref.156 mesh reinforcing. <b>Loading</b> : Pedestrians only ,No Concentrated loads or vehicles.	ea
	<b>Trench Cover</b> : Double layer of ref.156. mesh reinforcing. <b>Loading</b> : Pedestrians only ,No Concentrated loads or vehicles.	ea
	<b>Trench Cover:</b> Complies with Eskom drawing 2-WT-1375 including reinforcing. <b>Loading</b> : Pedestrians only ,No Concentrated loads or vehicles.	ea
<b>GENERAL PURPOSE TRENCH COVER: B</b>		
	Trench Cover : Size 750x450x50 mm thick with signle layer of ref.156 mesh reinforcing. <b>Loading</b> : Pedestrians only ,No Concentrated loads or vehicles.	ea
<b>FAMILY OF MEDIUM DUTY CHANNEL COVERS</b>		

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	<b>Trench Covers</b> Being strong and easy to lift,it is ideal for service channels. <b>700 x 250 x110 mm</b> thick. <b>Loading</b> Light vehicles or a single tyre of a very slow moving light truck.	ea
	<b>Trench Covers</b> Being strong and easy to lift,it is ideal for service channels. <b>680 x 250 x110 mm</b> thick. <b>Loading</b> Light vehicles or a single tyre of a very slow moving light truck.	ea
	<b>Trench Covers</b> Being strong and easy to lift,it is ideal for service channels. <b>650 x 250 x110 mm</b> thick. <b>Loading</b> Light vehicles or a single tyre of a very slow moving light truck.	ea
	<b>Trench Covers</b> Being strong and easy to lift,it is ideal for service channels. <b>820 x 250 x110 mm</b> thick. <b>Loading</b> Light vehicles or a single tyre of a very slow moving light truck.	ea
	<b>Trench Covers</b> Being strong and easy to lift,it is ideal for service channels. <b>1000 x 250 x100 mm</b> thick. <b>Loading</b> Light vehicles or a single tyre of a very slow moving light truck.	ea
<b>ESKOM TRENCH COVER A</b>		
	<b>Eskom Trench Cover drawing no 0.54/390 Sheet 17 A Reinforced</b> with high tensile rebar structurally equal to ref 635 mesh. <b>Size : 750x300x55 mm thick</b> . <b>Concrete</b> : 30 Mpa . <b>Mass</b> 30 Kg .Recessed "Vastrap" Pattern on top.	ea
	<b>Eskom Trench Cover drawing no 0D-DT-5254 Sheet 1A Reinforced</b> with high tensile rebar structurally equal to ref 635 mesh. <b>Size : 750x300x55 mm thick</b> . <b>Concrete</b> : 30 Mpa . <b>Mass</b> 30 Kg .Recessed "Vastrap" Pattern on top.	ea
<b>ESKOM TRENCH COVER B</b>		
	<b>Eskom drawing no. 0.54/390 Sheet 39A.Size 740 x 300 100 mm</b> thick. <b>Concrete</b> : 30 Mpa . <b>Reinforcing</b> To Eskom specification Recessed "vastrap" pattern on top <b>740 mm long 53 Kg.</b>	ea



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	<b>Eskom drawing no. 0.54/390 Sheet 39A.Size 740 x 300 100 mm thick.Concrete : 30 Mpa .Reinforcing To Eskom specification Recessed "vastrap" pattern on top 750 mm long 54 Kg.</b>	ea
	<b>Eskom drawing no. 0.54/390 Sheet 39A.Size 740 x 300 100 mm thick.Concrete : 30 Mpa .Reinforcing To Eskom specification Recessed "vastrap" pattern on top 980 mm long 70 Kg.</b>	ea
<b>Eskom Trench Cover (alternative )</b>		
	<b>Trench Cover (Alternative ) to 0.54/390 Sheet 17A (Smooth).Size 750 x 300 x 50 mm thick.Concrete: 30 Mpa .Reinforcing : Equipment to mesh ref.635 high tensile .Mass: 27 Kg .Smooth concrete finish on top.</b>	ea
<b>JUNCTION BOXES</b>		
	<b>Junction Boxes 500 mm High.Size 1500x780x500 mm thick,1130 Kg Eskom drawing 0.54/4713 Sheet 1</b>	ea
	<b>Junction Boxes 900 mm high.Size 1570 Kg Eskom drawing 0.54/3658 Sheet 6.Features: Service opening top and side.Four hot dippe galvanized bolts M 12 cast in.Reinforced Concrete 30 Mpa.</b>	ea
<b>PRECAST SLAB TRENCH COVER</b>		
	<b>Eskom drawing no 0.54/390 Sheet 17A.Size 750 x300 x55mm thick .Concrete : 30 Mpa.Equivalent to mesh ref 635 high tensile.Mass 30 Kg .Recessed "Vastrap" pattern on top.</b>	ea
<b>ESKOM DDT 8012 MARKER</b>		
	<b>Standard marker to Eskom drawing No D-DT-8012 Sheet 2.Concrete 25 Mpa unreinforced.Size 150 x 150 mm top,220 x 220 mmbottom.Height 300 mm,Weight 26 Kg ,Lable Plate : 2 mm aluminium,nominal size 100 x 100 mmepoxied to recess in top of Martker.Plate is left is left blank for field punching by contractor.</b>	ea

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	<b>Conical Marker to Eskom Concrete:</b> 25 Mpa Unreinforced . <b>Size:</b> 150 x 150 mm top.220 x 220 mm bottom . <b>Height</b> 300 mm. <b>Weight</b> 26 kg. <b>Lable Plate</b> : 2 mm aluminium,nominal size 100 x 100 mmepoxied to recess in top of Martker.Plate is left is left blank for field punching by contractor.	ea
<b>SLOTTED DRAINS</b>		
	<b>Slotted Drain 150 Diameter</b> High Strength reininforced concrete .Size 260 x 260 x1000 mm long.Cavity (Pipe). <b>Size</b> 260 x260 x 1000 mm long . <b>Cavity pipe</b> size 150 mm diameter <b>slot size</b> : 20 mm continuous. <b>Mass</b> +- 119 Kg per 1.0 m long. <b>Design load</b> (ultimate): Static wheel load 100 kN.	ea
	<b>Slotted Drain 300 Diameter</b> High Strength reininforced concrete .Size 450 x 450 x1200 mm long.Cavity (Pipe).Size 260 x260 x 1000 mm long .Cavity pipe size 150 mm diameter slot size : 20 mm continuous.Mass +- 390 Kg per 1.2 m long.Design load (ultimate): Static wheel <b>load 100 kN.</b>	ea
	<b>Slotted Drain 450 Diameter</b> High Strength reininforced concrete . <b>Size</b> 650 x 650 x1200 mm long.Cavity (Pipe). <b>Size</b> 260 x260 x 1000 mm long .Cavity pipe size 450 mm diameter slot size : 30 mm continuous.Mass +- 780 Kg per 1.0 m long.Design load (ultimate): Static wheel <b>load 100 kN.</b>	ea
<b>JRA TYPE or Similar KI Cover Slab</b>		
	JRA Type A Cover slab 2000 x 1040 x 100	ea
	JRA Type B Cover Slab 2000 x 1040 x 101	ea
<b>Paving Bricks</b>		
	Paving Bricks Dimensions: 200mm x 100mm x 50mm,Concrete Brick Paver 25Mpa, Weight per Brick: 2Kg, Colour: As per client specification .	ea
	Dimensions: 200mm x 100mm x 80mm,Concrete Brick Paver 25Mpa , Weight per Brick: 2.5Kg & Colour: As per client specification.	ea
	Delivery to site per LDV ≤1000kg	km
	Delivery to Site per Truck ≥1000kg	km

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