

REPLACE PRECAST CONCRETE PIPE SECTION WITH MILD STEEL PIPE

INSTALLATION SITE : BOSLOOP TO WINTERSHOEK PIPELINE

CONCRETE PIPE INSIDE DIAMETER : 1180 mm

STEEL PIPE DIAMETER : 1100 mm

STEEL PIPE THICKNESS : 15 mm

CONCRETE SECTIONS TO BE REPLACED : 1

STEEL PIPE MATERIAL : MILD STEEL

APPROVALS

QUALITY CONTROLLER:	SUPERVISOR:	PROJECT MANAGER:	ENGINEER:
NAME: MM MADISHA	NAME: MG NTULI	NAME: LB NKONDE	NAME: MJ MOKOENA
SIGNATURE:	SIGNATURE:	SIGNATURE:	SIGNATURE:
DATE:	DATE:	DATE: 07/03/2022	DATE: 07/03/2022

	Business Management System Replace precast concrete pipe section with mild steel pipe – SOW	
		PAGE 2 OF 4
		REV. 0

REMOVAL OF CONCRETE PIPE SECTION		
DESCRIPTION	RESPONSIBLE ENTITIES	
1.1 Approved outage plan/ Corrective Maintenance	PED and KWS	
1.2 Request a Permit To Work	KWS	
1.3 Isolate, and Scour pipeline section	KWS	
1.4 Prove positive isolation	KWS	
1.5 Notification of construction work	KWS	
1.6 Excavation	KWS	
1.7 Remove damaged concrete pipe section	KWS	
1.8 Load a purchase requisition including this scope of work	KWS	
1.9 Fabrication of concrete to steel adaptor specification shall comply to (Eskom drawing number 0.80/6135 Rev. 1 and corrosion protection DWS 9900)	Fabricating Contractor	
CONTRACTOR FACTORY SCOPE		
DESCRIPTION	COMMENT	PRICE EXCLUDING VAT
2.1 Fabricate two concrete to steel pipe adaptor as per Eskom drawing number 0.80/6135 Rev. 1		R
2.2 Inspection and release for coating	Note: the face to be welded on site shall have antitrust material	R

	Business Management System Replace precast concrete pipe section with mild steel pipe – SOW	
	PAGE 3 OF 4	
	REV. 0	

2.3	Corrosion protection to DWS 9900	Solvent free epoxy	R
2.4	Inspect and release for site work		R
TOTAL COSTS			R
SITE WORK			
	DESCRIPTION	PRICE EXCL. VAT	YES NO
3.1	Site about 210 km from Middelburg Mpumalanga between Carolina and Machadodorp on the servitude road		
3.2	Cut four sides (allowing for pieces if there are gaps on site) of 1100 Nominal bore 15 mm thick pipe and prepare for welding		
3.3	Provide two lifting lugs and weld them on the pipe		
3.4	Fit two concrete to steel pipe adaptor on both concrete pipes prepared on site		
3.5	Position steel pipe between adaptors and align for welding		
3.6	150mm stubs on the adaptor will be used for cable during welding, mobile welding and generator shall be provided by contractor		
3.7	Weld both sides of the pipe inside and outside to adaptors (Note: confined space work)		
3.8	Provide a plan and duration to complete the work (Note: work will be done on the open veld and there is no power supply)		

 Eskom Rotek and Roshcon	Business Management System Replace precast concrete pipe section with mild steel pipe – SOW	
		PAGE 4 OF 4
		REV. 0

3.9	Include third party for welding test and to issue a test report			
3.10	Safety file shall be approved before site establishment			
3.12	Note: Lifting will be done by Eskom on site			
TOTAL COSTS FOR FABRICATION AND SITE WELDING		R		

