



Conveyor Details	
Conveyed material:	Limestone
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Low Bulk Density	1360 kg/m³
High Bulk Density	1840 kg/m³
Conveyor Parameters:	
Design Capacity	1200 tph
Belt Speed	2.5 m/s
Carry idler spacing	1.5 m
Return idler spacing	3 m
Carry idler details	35 degree trough angle, 127mm roller, 25mm shaft
Return idler details	2 roll V-return idlers, 127mm roller, 25mm shaft, 5 degree return idlers at incline, 10 degree return idlers on horizontal sections.
Belt details:	
Belt width	1050mm
Belt Class	EP 800
Carriass material	Fabric conveyor belt with moulded edges
Top cover thickness	5mm
Bottom cover thickness	5mm
Installed Motor Power	132 kW

D.O.	REV	DATE	REVISION	APP	BY	CHK	DATE	APP	BY	CHK	DATE
03	28/8/15		ISSUED FOR CLIENT	F.V.V.	D.B.	D.C.					
02	09/7/15		ISSUED FOR CLIENT APPROVAL	F.V.V.	D.B.	D.C.					
01	25/6/15		ISSUED FOR INFORMATION ONLY	F.V.V.	D.B.	D.C.					
1	24/6/15		INTERNAL REVIEW	F.V.V.	D.B.	D.C.					

AUTHORIZED FOR ESKOM BY: SPF CODE: _____
 PBS PATH: _____
 COORDINATION BY: _____
 APPROVED BY: D. Chappelow
 DESIGNED BY: D. Bezuidenhout
 CREATED BY: F. van Vuuren 28/04/2015
 SCALE: 1:200 1:50 1:25

MEDIU POWER STATION
RAILWAY YARD
INCLINE LIMESTONE BELT CONVEYOR
GENERAL ARRANGEMENT AND DETAILS

CONTRACTOR DRAWING NO: 1184-099-5-100-ME-0009
 ESKOM DRAWING NO: 0.84/44347
 SHEET: 1 OF 1
 REV: 0