

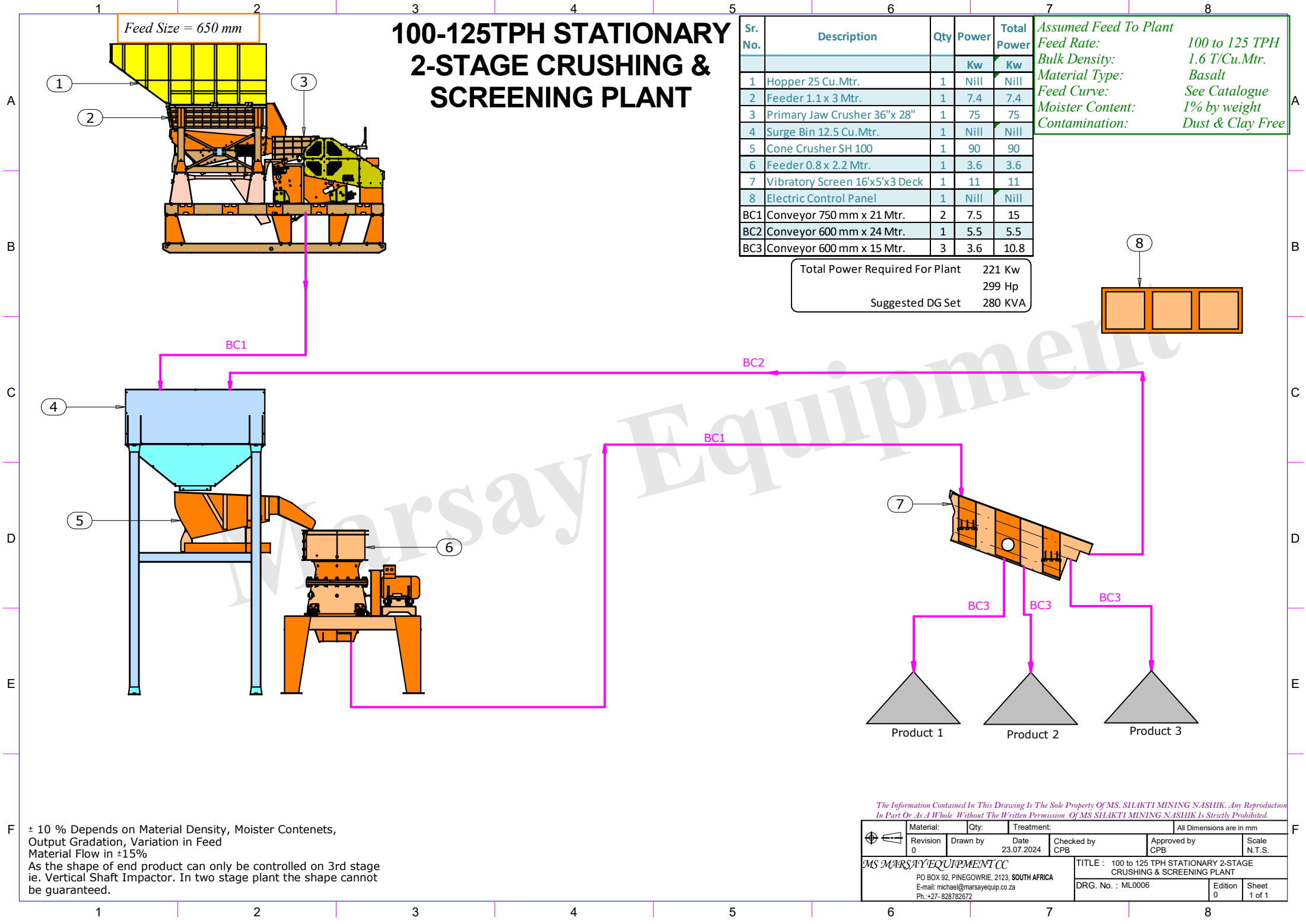
Feed Size = 650 mm

100-125TPH STATIONARY 2-STAGE CRUSHING & SCREENING PLANT

Sr. No.	Description	Qty	Power Kw	Total Power Kw
1	Hopper 25 Cu.Mtr.	1	Nil	Nil
2	Feeder 1.1 x 3 Mtr.	1	7.4	7.4
3	Primary Jaw Crusher 36"x 28"	1	75	75
4	Surge Bin 12.5 Cu.Mtr.	1	Nil	Nil
5	Cone Crusher SH 100	1	90	90
6	Feeder 0.8 x 2.2 Mtr.	1	3.6	3.6
7	Vibratory Screen 16'x5'x3 Deck	1	11	11
8	Electric Control Panel	1	Nil	Nil
BC1	Conveyor 750 mm x 21 Mtr.	2	7.5	15
BC2	Conveyor 600 mm x 24 Mtr.	1	5.5	5.5
BC3	Conveyor 600 mm x 15 Mtr.	3	3.6	10.8

Total Power Required For Plant 221 Kw
299 Hp
Suggested DG Set 280 KVA

Assumed Feed To Plant
Feed Rate: 100 to 125 TPH
Bulk Density: 1.6 T/Cu.Mtr.
Material Type: Basalt
Feed Curve: See Catalogue
Moister Content: 1% by weight
Contamination: Dust & Clay Free



± 10 % Depends on Material Density, Moister Contenets, Output Gradation, Variation in Feed Material Flow in ±15%
As the shape of end product can only be controlled on 3rd stage ie. Vertical Shaft Impactor. In two stage plant the shape cannot be guaranteed.

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Material:	Qty:	Treatment:	All Dimensions are in mm		
Revision 0	Drawn by	Date 23.07.2024	Checked by CPB	Approved by	Scale N.T.S.
MS MARSAY EQUIPMENT CC PO BOX 92, PINEGOWRIE, 2123, SOUTH AFRICA E-mail: michael@marsayequip.co.za Ph: +27- 828782672			TITLE : 100 to 125 TPH STATIONARY 2-STAGE CRUSHING & SCREENING PLANT DRG. No. : ML0006 Edition 0 Sheet 1 of 1		