

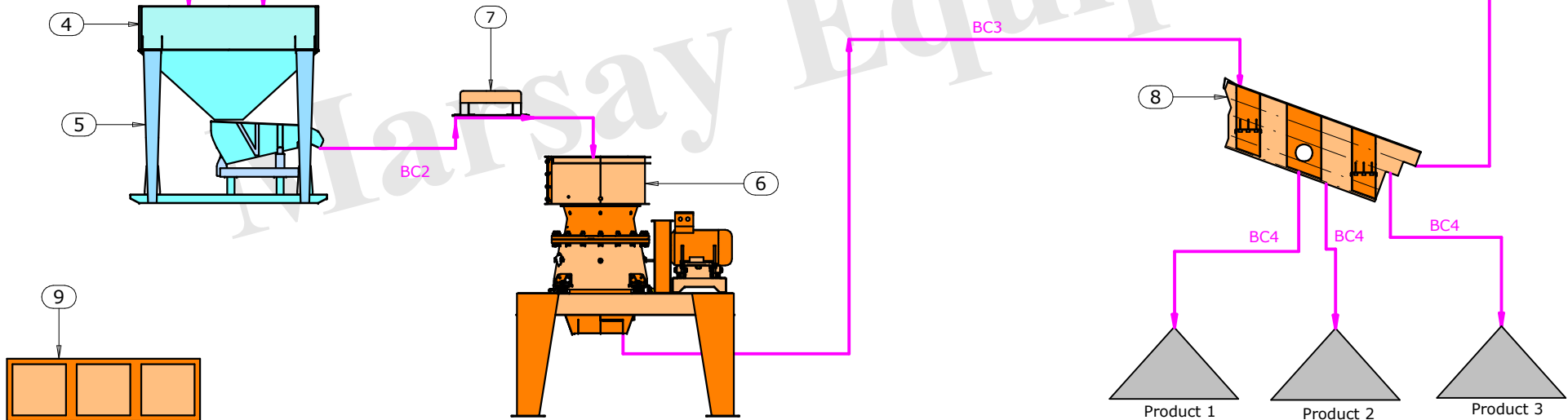
Feed Size = 650 mm (25")

# 150TPH 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"x28"    | 1   | 75       | 75             |
| 4       | Surge Bin 25 Cu.Mtr.           | 1   | Nil      | Nil            |
| 5       | Feeder 0.8 x 2.2 Mtr.          | 1   | 3.6      | 3.6            |
| 6       | Cone Crusher SH 150            | 1   | 110      | 110            |
| 7       | Metal Detector                 | 1   | Nil      | Nil            |
| 8       | Vibratory Screen 16'x5'x3 Deck | 1   | 11       | 11             |
| 9       | Electric Control Panel         | 1   | Nil      | Nil            |
| BC1     | Conveyor 750 mm x 18 Mtr.      | 1   | 5.5      | 5.5            |
| BC2     | Conv 750 mm x 15 Mtr.          | 1   | 5.5      | 5.5            |
| BC3     | Conveyor 750 mm x 21 Mtr.      | 1   | 7.5      | 7.5            |
| BC4     | Conveyor 600 mm x 15 Mtr.      | 3   | 3.6      | 10.8           |
| BC5     | Conveyor 600 mm x 22 Mtr.      | 1   | 5.5      | 5.5            |

Total Power Required For Plant 245 Kw  
331 Hp  
Suggested DG Set 300 KVA

Assumed Feed To Plant  
Feed Rate: 150 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                                                                                                                                                                                               |          |                 | TITLE : 150 TPH STATIONARY 2-STAGE CRUSHING & SCREENING PLANT |             |              |
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| Ph: +27- 828782672                                                                                                                                                                                                   |          |                 | Sheet 1 of 1                                                  |             |              |