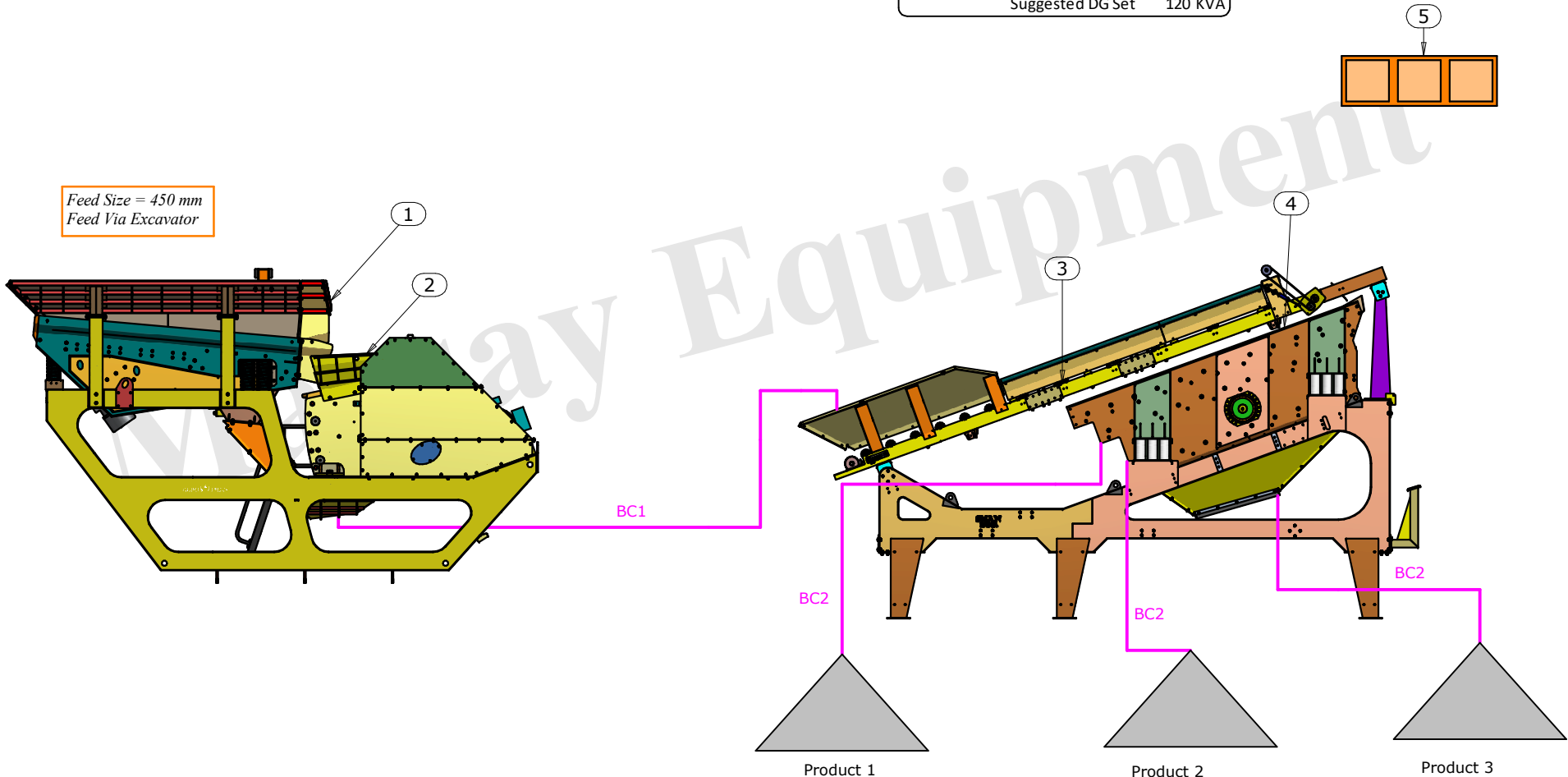


# 50 TPH STATIONARY SINGLE STAGE CRUSHING & SCREENING PLANT

| Sr. No. | Description                    | Qty | Power Kw | Total Power Kw |
|---------|--------------------------------|-----|----------|----------------|
| 1       | Feeder 1 x 3 Mtr.              | 1   | 7.4      | 7.4            |
| 2       | Primary Jaw Crusher 30"x 20"   | 1   | 37       | 37             |
| 3       | Belt Feeder                    | 1   | 5.5      | 5.5            |
| 4       | Vibratory Screen 16'x5'x3 Deck | 1   | 11       | 11             |
| 5       | Electric Control Panel         | 1   | Nil      | Nil            |
| BC1     | Conv 750 mm x 12 Mtr.          | 1   | 5.5      | 5.5            |
| BC2     | Conveyor 600 mm x 15 Mtr.      | 3   | 3.6      | 10.8           |

Total Power Required For Plant 86 Kw  
116 Hp  
Suggested DG Set 120 KVA

Assumed Feed To Plant  
Feed Rate: 50 TPH  
Bulk Density: 1.6 T/Cu.Mtr.  
Material Type: Basalt  
Feed Curve: See Catalogue  
Moister Content: 1% by weight  
Contamination: Dust & Clay Free



Feed Size = 450 mm  
Feed Via Excavator

± 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 : 50 TPH STATIONARY SINGLE STAGE CRUSHING & SCREENING PLANT |             |              |
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