



**Dust Emission Points**

- 1/ Air Discharge to Atmosphere from Dust Collector
- 2/ Air Discharge to Atmosphere from Dust Collector
- 3/ Air Discharge to Atmosphere from Dust Collector
- 4/ Air Discharge to Atmosphere from Dust Collector
- 5/ Air Discharge to Atmosphere from Dust Collector
- 6/ Air Discharge to Atmosphere from Dust Collector
- 7/ Air Discharge to Atmosphere from Dust Collector
- 8/ Air Discharge to Atmosphere from Dust Collector
- 9/ Air Discharge to Atmosphere from Dust Collector
- 10/ Air Discharge to Atmosphere from Dust Collector
- 11/ Air Discharge to Atmosphere from Dust Collector

**Particulars of dust collector :-**

|                           | No. 1 & 2                       | No. 3 & 4                | No. 5, 6 & 7             | No. 8, 9, 10 & 11               |
|---------------------------|---------------------------------|--------------------------|--------------------------|---------------------------------|
| 1) Suction fan            | 4KW                             | 7.5KW                    | 7.5KW                    | 7.5KW                           |
| 2) Fan size               | 450 mm                          | 450 mm                   | 450 mm                   | 450 mm                          |
| 3) No. of filter bags     | 10                              | 10                       | 36                       | 36                              |
| 4) Total area             | 10 M <sup>2</sup>               | 10 M <sup>2</sup>        | 24 M <sup>2</sup>        | 24 M <sup>2</sup>               |
| 5) Clean device           | Pulse jets self cleaning system | Pulse jets self cleaning | Pulse jets self cleaning | Pulse jets self cleaning system |
| 6) Compressed air require | HR at 5 bar                     | HR at 5 bar              | HR at 5 bar              | HR at 5 bar                     |
| 7) Electricity supply     | 50 HZ                           | 50 HZ                    | 50 HZ                    | 50 HZ                           |
| 8) Dimension              | 1M x 0.6M x 2.09M               | 1M x 0.62M x 2.09M       | 1.425M x 1.425M x 1.9M   | 1.425M x 1.425M x 1.9M          |
| 9) Efficiency             | 99%                             | 99%                      | 99%                      | 99%                             |

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DRAWING TITLE

**Schematic Diagram for the Planned Cement Work Process**

**ARUP** Ove Arup & Partners  
Hong Kong Limited

JOB TITLE  
EIA Study for Cement Works / Concrete Batching Plant

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