1. **Premium Allergen & Home Pollutants Air Filter**

1. Overall Length (Imperial) : 25 in
2. Overall Thickness (Imperial) : 1 in
3. Overall Width (Imperial) : 20 in
4. Package Contents : 1 Pack (1 Qty.)
5. Filter media size : 18 in x 23 in
7. Cardboard frame : 1 in x 1 in x 1 in
8. Construction : Pleated polyolefin filter media surrounded by a cardboard frame and supported by polyolefin strands on one side. The finished product should contain 42 pleats per foot.
9. HVAC filters
10. Electrostatic charged filter media with a significant microscopic bipolar charge on the fibers with charging density between 70-120 mC/m²
11. The thickness of filter media : 0.7-0.75 mm
12. Effective fiber diameter : 17-17.5 mm
13. Pressure drop at filter media
   
   For 14 cm/s (mm H₂O) : 1.2-1.3
14. Solidity (1- porosity) : 0.090-0.095
15. Captures : Lint, Household Dust, Dust Mite Debris, Mold Spores, Pollen, Pet Dander, Smoke, Smog, Cough & Sneeze particles, Bacteria, Virus, Candle Soot, PM 2.5 & Exhaust Particles
16. These filters will be used for Medium Scale Air Cleaning System in Delhi

<table>
<thead>
<tr>
<th>Airflow Rate (CFM)</th>
<th>515</th>
<th>770</th>
<th>1025</th>
<th>1280</th>
<th>1735</th>
<th>Initial Resistance (inches H₂O)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.06-0.08</td>
<td>0.12-0.14</td>
<td>0.18-0.20</td>
<td>0.27-</td>
<td>0.41-</td>
<td>0.29</td>
<td>0.43</td>
</tr>
</tbody>
</table>

Filter Efficiency (%)

<table>
<thead>
<tr>
<th>e1</th>
<th>e2</th>
<th>e3</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;65</td>
<td>90</td>
<td>&gt;95</td>
</tr>
</tbody>
</table>

2. **Flat Panel Air Filter**

1. Overall Length (Imperial) : 25 in
2. Overall Thickness (Imperial) : 1 in
3. Overall Width (Imperial) : 20 in
4. Package Contents : 1 Pack (2 Qty.)
5. Filter media size : 18 in x 23 in
6. Cardboard frame : 1 in x 1 in x 1 in
7. Testing used: ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) 52.2
8. Construction: Non-electrostatic / electrostatic filter media surrounded by a cardboard frame.
9. Filter media captures: Lint, Household Dust, PM 10
10. Filter efficiency: ~20% efficiency for average particle size for 3.0 – 10.0 mm
11. These filters will be used for Medium Scale Air Cleaning System in Delhi

Note: Vendor must be able to deliver 5000 Qty of each filter (Flat panel air filter and filterete premium allergen) in 2 locations in Delhi:

1. Smog Tower, Baba Kharak Singh Rd, near Delhi Traffic Police Training Park and Gurudwara Bangla Sahib, Hanuman Road Area, Connaught Place, New Delhi, Delhi 110001, India.

2. Smog Tower, Anand Vihar Metro Station Gate No 3, NEW DELHI, DELHI 110092, India.