

Annexure-1

Particle Size Distribution of the Incoming Syn gas to the filter assembly:

- Range of size: 0.02 mm to 0.125 mm
- APD: 0.0488 mm

Sieve Size in mm	Wt. in gm	Wt. fraction in gm	Avg. Dia
0.125	0.256		
0.112	2.227	0.0074416	0.0628
0.106	0.848	0.0028336	0.0260
0.1	1.183	0.003953	0.0384
0.09	1.589	0.0053097	0.0559
0.08	1.484	0.0049588	0.0583
0.075	1.918	0.006409	0.0827
0.071	1.085	0.0036255	0.0497
0.063	2.113	0.0070606	0.1054
0.056	4.177	0.0139575	0.2346
0.053	109.355	0.3654119	6.7048
0.05	12.359	0.0412978	0.8019
0.045	14.921	0.0498588	1.0497
0.04	26.336	0.0880023	2.0706
0.038	33.977	0.1135348	2.9111
0.036	22.284	0.0744624	2.0125
0.032	24.096	0.0805173	2.3682
0.025	34.306	0.1146342	0.8019
0.02	4.156	0.0138874	1.0497
receiver	0.851	0.0028436	20.4841

Handey
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