

## ANNEXURE-1 : SCRUBBER DATASHEET

DESIGN DATA/CALCULATION FOR SCRUBBER VESSEL
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<b>A. DESIGN DATA</b>	
1. DESIGN CODE :	

- |    |  |      |
|----|--|------|
| 1. | DESIGN CODE :                              |      |
| 2. | RADIOGRAPHY :                              |      |
| 3. | JOINT EFFICIENCY :                         |      |
| 4. | CORROSION ALLOWANCE :                      | 3 mm |
| 5. | DIA.OF VESSEL :                            |      |
| 6. | T/L TO T/L DISTANCE OF VESSELS :           |      |
| 7. | NO.OF CYCLONES :                           |      |
| 8. | DIMENSIONS OF CYCLONE :                    |      |
| 9. | MAX. PR. DROP ACROSS SCRUBBER( $\nabla$ ): |      |

10. OPERATING PRESSURE[Kg/cm2(g)]

- |      |                    |  |
|------|--------------------|--|
| i.   | NORMAL :           |  |
| ii.  | MINIMUM :          |  |
| iii. | MAXIMUM :          |  |
| iv.  | MECH.DESIGN PRE. : |  |

### 11. OPERATING TEMPARATURES(DEG C)

- |      |                |  |
|------|----------------|--|
| i.   | NORMAL :       |  |
| ii.  | MINIMUM :      |  |
| iii. | MAXIMUM :      |  |
| iv.  | DESIGN TEMP. : |  |

12. FLOW (NM3/HR)	
NORMAL	

- |      |              |  |
|------|--------------|--|
| i.   | NORMAL :     |  |
| ii.  | MINIMUM :    |  |
| iii. | MAXIMUM :    |  |
| iv.  | DESIGN FLOW: |  |


B. MATERIAL OF CONSTRUCTION:			
ITEM	DESCRIPTION	QUANTITY	UNIT PRICE
1	Concrete	100	100
2	Reinforcement	200	200
3	Formwork	300	300
4	Bricks	400	400
5	Mortar	500	500
6	Plaster	600	600
7	Paint	700	700
8	Roofing	800	800
9	Windows	900	900
10	Doors	1000	1000
11	Sanitary	1100	1100
12	Electrical	1200	1200
13	Plumbing	1300	1300
14	Painting	1400	1400
15	Roofing	1500	1500
16	Windows	1600	1600
17	Doors	1700	1700
18	Sanitary	1800	1800
19	Electrical	1900	1900
20	Plumbing	2000	2000
21	Painting	2100	2100
22	Roofing	2200	2200
23	Windows	2300	2300
24	Doors	2400	2400
25	Sanitary	2500	2500
26	Electrical	2600	2600
27	Plumbing	2700	2700
28	Painting	2800	2800
29	Roofing	2900	2900
30	Windows	3000	3000
31	Doors	3100	3100
32	Sanitary	3200	3200
33	Electrical	3300	3300
34	Plumbing	3400	3400
35	Painting	3500	3500
36	Roofing	3600	3600
37	Windows	3700	3700
38	Doors	3800	3800
39	Sanitary	3900	3900
40	Electrical	4000	4000
41	Plumbing	4100	4100
42	Painting	4200	4200
43	Roofing	4300	4300
44	Windows	4400	4400
45	Doors	4500	4500
46	Sanitary	4600	4600
47	Electrical	4700	4700
48	Plumbing	4800	4800
49	Painting	4900	4900
50	Roofing	5000	5000
51	Windows	5100	5100
52	Doors	5200	5200
53	Sanitary	5300	5300
54	Electrical	5400	5400
55	Plumbing	5500	5500
56	Painting	5600	5600
57	Roofing	5700	5700
58	Windows	5800	5800
59	Doors	5900	5900
60	Sanitary	6000	6000
61	Electrical	6100	6100
62	Plumbing	6200	6200
63	Painting	6300	6300
64	Roofing	6400	6400
65	Windows	6500	6500
66	Doors	6600	6600
67	Sanitary	6700	6700
68	Electrical	6800	6800
69	Plumbing	6900	6900
70	Painting	7000	7000
71	Roofing	7100	7100
72	Windows	7200	7200
73	Doors	7300	7300
74	Sanitary	7400	7400
75	Electrical	7500	7500
76	Plumbing	7600	7600
77	Painting	7700	7700
78	Roofing	7800	7800
79	Windows	7900	7900
80	Doors	8000	8000
81	Sanitary	8100	8100
82	Electrical	8200	8200
83	Plumbing	8300	8300
84	Painting	8400	8400
85	Roofing	8500	8500
86	Windows	8600	8600
87	Doors	8700	8700
88	Sanitary	8800	8800
89	Electrical	8900	8900
90	Plumbing	9000	9000
91	Painting	9100	9100
92	Roofing	9200	9200
93	Windows	9300	9300
94	Doors	9400	9400
95</			

Sl. No.	Description	Construction	Permissible Stress [kg/cm2(g)]
a)	SHELL		
b)	DISHED END		
c)	NOZZLE/SUMP		
d)	PIPE CAP		
e)	CYCLONES		

NOTES:

☐ DEVIATION      ☐ NO DEVIATION      VENDORS SIGNATURES WITH SEAL

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BHEL FORMAT NO: PEMC-1041, REV.00		PO NO:					
		PACKAGE NAME: GAS CONDITIONING SYSTEM					
 <div><b>BHARAT HEAVY ELECTRICALS LIMITIED</b> <b>PROJECT ENGINEERING DIVISION</b> <b>RC PURAM - HYDERABAD -32</b></div>	PACKAGE VENDOR :		DATE	PREP	CHKD	APPD	
	PROJECT :		VENDOR DOC.NO:			REV.	
	CUSTOMER :						
		SHEET 01 OF 04					