

Log Sheet for G-3520c Gen Set of BUET Power Plant. Shift: A Date: 01/04/2018 Gen Set no #01 (en)

..... casual visitation form no #01, 02 on page 1  
..... Gen Set MC #01 Previouls draft running conditio

\*\*\*Remarks:-

SL	Time	Particulars (Engine Side)	Units	14:50	15:50	16:50	17:50	18:50	19:50	20:50	21:50
1	Battery Voltage	V	26	26	26	26	26	26	26	26	26
2	Running Hours	SMU	4376	4377	4378	4379	4380	4381	4382	4383	4384
3	Engline Speed	RPM	1566	1563	1498	1502	1505	1508	1510	1512	1515
4	Lube Oil Pressure	Bar	4.95	4.94	4.93	4.92	4.91	4.90	4.96	5.01	5.04
5	Exhaust Temp. (Avg)	°C	562.6	562.2	562.7	563.2	563.7	564.2	564.8	565.3	565.6
6	Engine Load	Amps	589.0	626.6	626.6	626.6	626.6	626.6	626.6	626.6	626.6
7	Fuel Valve	%	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
8	Air Inlet Pressure	Bar	2.13	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
9	Oil Filter Press.	Bar	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
10	Spark Right @	Bar	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
11	Cylinder-1	Bar	564	564	564	564	564	564	564	564	564
12	Cylinder-3	Bar	566	567	568	568	568	568	568	568	568
13	Cylinder-5	Bar	560	561	562	562	562	562	562	562	562
14	Cylinder-7	Bar	562	562	562	562	562	562	562	562	562
15	Cylinder-9	Bar	564	564	564	564	564	564	564	564	564
16	Cylinder-11	Bar	561	561	561	561	561	561	561	561	561
17	Cylinder-13	Bar	564	564	564	564	564	564	564	564	564
18	Cylinder-15	Bar	568	568	568	568	568	568	568	568	568
19	Cylinder-17	Bar	562	562	562	562	562	562	562	562	562
20	Cylinder-19	Bar	565	565	565	565	565	565	565	565	565
21	Stack Left @	Bar	561	561	561	561	561	561	561	561	561
22	Cylinder-2	Bar	563	563	563	563	563	563	563	563	563
23	Cylinder-4	Bar	567	567	567	567	567	567	567	567	567
24	Cylinder-6	Bar	569	569	569	569	569	569	569	569	569
25	Cylinder-8	Bar	565	565	565	565	565	565	565	565	565
26	Cylinder-10	Bar	565	565	565	565	565	565	565	565	565
27	Cylinder-12	Bar	568	568	568	568	568	568	568	568	568
28	Cylinder-14	Bar	561	561	561	561	561	561	561	561	561
29	Cylinder-16	Bar	558	558	558	558	558	558	558	558	558
30	Cylinder-18	Bar	557	557	557	557	557	557	557	557	557
31	Cylinder-20	Bar	558	558	558	558	558	558	558	558	558
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4
34	A/C in Temperature	°C	52.1	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4
35	Bearing D.E.	°C	41.9	41.2	42.1	41.6	41.2	38.9	37.4	36.2	35.9
36	J/W Out Temp.	°C	60.8	41.5	61.8	61.5	61.5	56.7	55.9	55.7	55.7
37	Windig N.D.E.	°C	40.9	41.2	42.1	41.6	41.2	38.9	37.4	36.2	35.9
38	Ambient Temperature	°C	89	89	89	89	89	89	89	89	89
39	Gas pre. after regulator	PSI	34	34	34	34	34	34	34	34	34
40	Throtte Position	%	55	56	59	54	54	53	52	51	50
41	Windig Temp. -1	°C	84.3	85.8	91.2	84.2	84.0	83.8	83.6	83.4	83.2
42	Windig Temp. -2	°C	84.5	85.9	91.9	84.0	84.3	84.0	84.8	84.5	84.3
43	Windig Temp. -3	°C	86.1	86.2	94.8	86.0	85.8	84.4	82.0	81.8	81.5
44	Gen Set Current	Amps.	405	406	406	405	406	406	406	406	406
45	Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
46	Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
47	Gen Set Voltage	V	26	26	26	26	26	26	26	26	26
48	Particulars (Engine Side)	Units	14:50	15:50	16:50	17:50	18:50	19:50	20:50	21:50	22:00
49	Gen Set Load (GCP)	kW	1365	1479	1519	1166	1210	1020	970	927	902
50	Gen Set Voltage	V	26	26	26	26	26	26	26	26	26
51	Gen Set Current	Amps.	405	406	406	405	406	406	406	406	406
52	Gen Set Power	W	26	26	26	26	26	26	26	26	26
53	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
54	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
55	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
56	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
57	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
58	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
59	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
60	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
61	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
62	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
63	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
64	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
65	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
66	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
67	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
68	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
69	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
70	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
71	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
72	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
73	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
74	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
75	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
76	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
77	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
78	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
79	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
80	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
81	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
82	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
83	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
84	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
85	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
86	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
87	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
88	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
89	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
90	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
91	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
92	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
93	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
94	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
95	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
96	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
97	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94
98	Gen Set Efficiency	%	90.02	90.02	90.01	90.02	90.02	90.02	90.02	90.02	90.02
99	Gen Set Frequency	Hz	50.02	50.02	50.01	50.02	50.02	50.02	50.02	50.02	50.02
100	Gen Set Power Factor	φ	0.94	0.92	0.92	0.94	0.93	0.94	0.95	0.94	0.94</

Log Sheet for G-3520c Gen Set of BUET Power plant. Shift C

Date 01.04.2018

Gen Set no #01 (cont)

SL	Time	Hrs	22:00	23:00	24:00	01:00	02:00	03:00	04:00	05:00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	4384	4385	4386	4387	4388	4389	4390	4391
3	Engine Speed	RPM	1501	1502	1501	1500	1501	1503	1501	1502
4	Lube Oil Pressure	Bar	5.020	5.065	5.045	5.12	5.12	5.11	5.107	5.100
5	Exhaust Temp. (Avg)	°C	552.1	550.9	548.9	549.9	530.0	548.5	549.3	549.8
6	Engine Load	Amps	3826	3770	3430	2750	2805	2755	2960	3010
7	Fuel Valve	%	44	44	42	41	41	40	40	41
8	Air Inlet Pressure	Bar	1.371	1.325	1.183	1.08	1.09	1.05	1.081	1.075
9	Oil Filter Diff. Press.	Bar	0.047	0.047	0.049	0.049	0.047	0.047	0.047	0.047
10	Stack Right @	°C	552	551	549	550	550	552	552	550
11	Cylinder-1	°C	551	549	548	548	550	550	551	549
12	Cylinder-3	°C	550	549	549	548	549	548	549	550
13	Cylinder-5	°C	553	553	551	550	553	552	553	553
14	Cylinder-7	°C	558	556	553	551	553	553	551	553
15	Cylinder-9	°C	556	559	552	550	552	550	550	552
16	Cylinder-11	°C	552	551	550	549	550	550	551	552
17	Cylinder-13	°C	551	550	548	550	550	549	550	550
18	Cylinder-15	°C	547	554	552	551	554	552	551	554
19	Cylinder-17	°C	548	548	546	547	549	550	546	549
20	Cylinder-19	°C	548	545	543	542	546	545	546	548
21	Stack Left @	°C	551	550	548	547	549	548	548	549
22	Cylinder-2	°C	556	559	549	548	549	547	549	549
23	Cylinder-4	°C	559	553	540	530	530	549	520	521
24	Cylinder-6	°C	557	554	551	551	552	550	551	552
25	Cylinder-8	°C	550	549	546	545	549	539	540	550
26	Cylinder-10	°C	548	546	543	542	545	546	546	545
27	Cylinder-12	°C	552	552	550	549	549	550	549	550
28	Cylinder-14	°C	549	549	546	547	548	546	548	549
29	Cylinder-16	°C	546	546	545	544	548	548	549	548
30	Cylinder-18	°C	550	551	549	548	551	552	550	551
31	Cylinder-20	°C	550	550	550	549	552	550	551	552
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	51.4	52.2	53.7	50.1	51.0	50.7	50.7	51.0
34	A/C in Temperature	°C	-	-	-	-	-	-	-	-
35	Bearing D.E	°C	36.1	35.6	33.8	32.5	31.8	31.6	31.2	30.2
36	Bearing N.D.E	°C	55.1	53.9	49.5	44.0	41.9	41.90	41.1	40.3
37	J/W Out Temp.	°C	88	88	89	88	88	88	89	88
38	Ambient Temperature	°C	34	34	32	32	32	32	33	33
39	Gas pre. after regulator	PSI	-	-	-	-	-	-	-	-
40	Throttle Position	%	50	50	48	45	45	45	45	45
41	Winding Temp. -1	°C	66.2	64.3	61.2	58.4	58.6	58.6	57.6	55.4
42	Winding Temp. -2	°C	67.2	65.2	61.6	59.0	57.4	57.4	56.4	56.4
43	Winding Temp. -3	°C	66.9	64.7	61.2	58.5	58.8	58.5	58.1	55.3
	Gen. Side									
1	Gen Set Load (GCP)	KW	810	780	702	627	630	605	615	620
2	Energy Meter	MKW	422.2	422.7	420.7	404.5	404.7	405.0	405.0	406.2
3	Gen Set Voltage	Volts	405	405	406	407	407	402	405	405
4	Gen Set Current	Amps.	1230	1165	1047	922	960	946	922	928
5	Power Factor	Φ	0.99	0.99	0.95	0.96	0.96	0.96	0.95	0.96
6	Frequency	Hz	50.01	50.03	50.07	50.08	50.01	50.00	50.05	50.11
7	Main Sub-sation-1	KW	128	114	89	84	81	78	74	72
8	Main Sub-sation-2	KW	34	37	35	31	34	34	27	29
9	Main Sub-sation-3	KW	71	72	67	68	66	69	702	707
10	Dr. Rashid Hall S/s	KW	-	-	-	-	-	-	-	-
11	Nazrul Islam Hall (old) s/s	KW	109	98	96	85	89	77	75	77
12	Nazrul Islam Hall (New) s/s	KW	279	282	262	222	222	221	220	222
13	New Academic Build. s/s-1	KW	{ 189	168	153	150	150	140	140	140
14	New Academic Build. s/s c2	KW								
15	New Academic Build. s/s o3	KW								
	A-shift									
	SAE	SAE								
	G.O	G.O								
	C-shift									

\*\*\*Remarks:-

Gas meter Reading # 03281638 m<sup>3</sup>

Manager (P.P.)  
02-04

Shift # A

## Log Sheet for G-3520c Gen Set of BUET Power plant.

Date 02-04-2018

Gen Set no #01 (cont)

SL.	Time	Hrs	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	4392	4393	4394	4395	4396	4397	4398	4399
3	Engine Speed	RPM	1500	1500	1504	1500	1500	1505	1486	1505
4	Lube Oil Pressure	Bar	5.175	5.14	5.05	5.10	4.93	4.93	4.97	5.09
5	Exhaust Temp. (Avg)	°C	553.2	553.5	549.6	554.9	565.1	568.3	567.2	566.1
6	Engine Load	Amps	2480	2455	3521	4512	6198	6723	6450	6019
7	Fuel Valve	%	37	39	44	42	53	55	58	53
8	Air Inlet Pressure	Bar	0.988	0.98	1.35	2.64	2.13	2.30	2.27	2.16
9	Oil Filter Diff. Press.	Bar	0.045	0.047	0.045	0.045	0.049	0.052	0.045	0.049
10	Stack Right @	°C	553	554	549	554	565	567	567	568
11	Cylinder-1	°C	551	551	550	556	569	568	568	567
12	Cylinder-3	°C	551	552	548	552	561	562	565	564
13	Cylinder-5	°C	556	556	553	558	565	567	568	567
14	Cylinder-7	°C	557	560	557	562	572	574	578	577
15	Cylinder-9	°C	558	558	556	562	568	574	576	575
16	Cylinder-11	°C	552	556	551	552	566	566	565	569
17	Cylinder-13	°C	553	555	550	554	562	568	567	566
18	Cylinder-15	°C	557	567	556	560	565	570	567	565
19	Cylinder-17	°C	552	552	546	550	565	586	565	563
20	Cylinder-19	°C	550	550	549	553	548	562	569	563
21	Stack Left @ ✓	°C	562	552	548	554	564	566	566	566
22	Cylinder-2	°C	562	542	552	560	555	573	573	573
23	Cylinder-4	°C	553	552	551	559	552	572	570	572
24	Cylinder-6	°C	529	554	554	562	554	578	577	576
25	Cylinder-8	°C	548	555	548	554	556	572	568	567
26	Cylinder-10	°C	552	558	545	552	558	565	565	584
27	Cylinder-12	°C	553	555	550	555	555	566	568	567
28	Cylinder-14	°C	551	552	546	552	562	559	561	560
29	Cylinder-16	°C	550	550	548	551	560	562	562	561
30	Cylinder-18	°C	554	553	550	552	558	559	559	559
31	Cylinder-20	°C	536	557	549	553	561	564	564	563
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	62.2	53.1	51.8	52.2	51.2	51.4	52.4	52.3
34	A/C in Temperature	°C	—	—	—	—	—	—	—	—
35	Bearing D.F.	°C	30.1	30.3	31.5	32.7	34.6	36.5	37.7	38.0
36	Bearing N.D.E.	°C	40.1	40.1	41.1	42.6	45.0	47.3	49.1	49.3
37	J/W Out Temp.	°C	88	88	88	89	89	89	89	89
38	Ambient Temperature	°C	28	28	29	30	30	32	32	32
39	Gas pre. after regulator	PSI	—	—	—	—	—	—	—	—
40	Throttle Position	%	43	43	49	52	56	57	57	57
41	Winding Temp. -1	°C	54.9	54.4	52.0	61.6	73.4	80.8	83.2	82.1
42	Winding Temp. -2	°C	55.7	55.2	58.2	63.0	75.3	82.2	84.4	83.9
43	Winding Temp. -3	°C	55.6	54.8	58.3	63.5	76.4	83.8	86.3	85.3
<b>Gen. Side</b>										
1	Gen Set Load (GCP)	KW	560	555	789	1001	1332	1490	1419	1360
2	Energy Meter	MKW	137.1	138.5	4400.31	4309.16	4211.41	414311.81	3313.41	4314.86
3	Gen Set Voltage	Volts	405	405	405	403	405	405	406	407
4	Gen Set Current	Amps.	823	817	1172	1558	2064	2205	2179	2075
5	Power Factor	Φ	0.95	0.96	0.95	0.99	0.92	0.92	0.92	0.99
6	Frequency	Hz	50.13	50.60	50.72	50.03	50.02	50.01	49.52	50.39
7	Main Sub-sation-1	KW	60	62	114	205	277	282	326	278
8	Main Sub-sation-2	KW	25	30	56	79	120	122	116	119
9	Main Sub-sation-3	KW	180	98	156	232	330	361	352	312
10	Dr. Rashid Hall S/s	KW	—	—	—	—	—	—	—	—
11	Nazrul Islam Hall (old) s/s	KW	69	64	64	58	53	52	62	59
12	Nazrul Islam Hall (New) s/s	KW	162	157	147	142	135	132	150	164
13	New Academic Build. s/s-1	KW	139	134	129	125	—	—	—	—
14	New Academic Build. s/s 2	KW	—	—	—	—	—	—	—	—
15	New Academic Build. s/s 3	KW	—	—	—	—	—	—	—	—
<b>A-shift</b>										
<b>B-shift</b>										
<b>C-shift</b>										
SAE	SAE	SAE								
G.O.	G.O.	G.O.								

\*\*\*Remarks:- Gen set no #01 previous shift running condition  
and Ventilation fan no #01, 02 on position.

09-04  
Manager (P.P.)

shift - "B"

## Log Sheet for G-3520c Gen Set of BUET Power plant.

Gen Set no #01 (one)

Date..... 02.04.18

SL	Time	Hrs	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	4400	4401	4402	4403	4404	4405	4406	4407
3	Engine Speed	RPM	1511	1510	1501	1501	1502	1503	1502	1502
4	Lube Oil Pressure	Bar	4.99	3.07	5.030	5.032	5.00	5.06	5.09	5.010
5	Exhaust Temp. (Avg)	°C	565.6	567.1	566.4	562.8	561.2	557.5	557.7	555.6
6	Engine Load	Amps	5810	6125	5860	5520	4670	4520	4250	
7	Fuel Valve	%	54	54	54	52	50	49	48	46
8	Air Inlet Pressure	Bar	2.07	2.18	2.16	2.10	1.713	1.66	1.68	1.498
9	Oil Filter Diff. Press.	Bar	0.052	0.047	0.047	0.047	0.049	0.047	0.049	0.047
10	Stack Right @	°C	566	570	565	562	560	561	558	555
11	Cylinder-1	°C	565	570	568	562	561	558	558	559
12	Cylinder-3	°C	561	565	562	559	557	557	556	552
13	Cylinder-5	°C	567	569	567	564	562	561	559	557
14	Cylinder-7	°C	572	580	573	569	566	565	562	561
15	Cylinder-9	°C	570	575	573	568	560	560	564	561
16	Cylinder-11	°C	522	525	564	561	567	566	558	557
17	Cylinder-13	°C	566	567	565	565	561	560	551	556
18	Cylinder-15	°C	568	564	567	567	566	569	554	560
19	Cylinder-17	°C	561	567	560	559	556	565	554	550
20	Cylinder-19	°C	561	562	562	562	558	557	557	550
21	Stack Left @	°C	564	567	565	562	560	560	562	524
22	Cylinder-2	°C	572	573	573	569	566	565	560	561
23	Cylinder-4	°C	569	573	570	568	564	582	585	559
24	Cylinder-6	°C	574	574	574	573	567	565	557	560
25	Cylinder-8	°C	572	568	567	570	561	560	559	554
26	Cylinder-10	°C	566	565	569	561	558	556	557	572
27	Cylinder-12	°C	568	566	563	565	560	560	554	526
28	Cylinder-14	°C	561	560	559	559	556	556	558	552
29	Cylinder-16	°C	562	561	562	561	558	552	559	551
30	Cylinder-18	°C	561	560	560	560	559	557	554	523
31	Cylinder-20	°C	562	562	561	560	558	556	556	553
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	52.3	52.9	51.8	51.3	51.6	51.6	51.5	51.9
34	A/C in Temperature	°C	-	-	-	-	-	-	-	-
35	Bearing D.E.	°C	37.6	37.8	37.5	37.5	35.9	35.5	35.2	34.7
36	Bearing N.D.E.	°C	48.8	48.8	48.6	47.8	46.9	45.9	45.3	44.8
37	J/W Out Temp.	°C	89	89	89	89	89	88	89	88
38	Ambient Temperature	°C	32	33	33	33	33	33	33	33
39	Gas pre. after regulator	PSI	-	-	-	-	-	-	-	-
40	Throttle Position	%	56	58	55	53	52	52	52	51
41	Winding Temp. -1	°C	79.0	81.2	80.9	80.4	70.2	69.4	67.7	66.3
42	Winding Temp. -2	°C	80.3	82.3	80.7	80.8	70.8	70.2	68.2	66.7
43	Winding Temp. -3	°C	81.7	84.3	82.2	81.2	71.3	70.3	68.4	67.2
	Gen. Side									
1	Gen Set Load (GCP)	KW	1289	1394	1315	1168	1050	1008	969	890
2	Energy Meter	MKW	1316	1317	1314	1318	1321	1319	1322	1320
3	Gen Set Voltage	Volts	406	406	406	405	405	405	405	405
4	Gen Set Current	Amps.	1975	2080	1987	1840	1670	1510	1417	1327
5	Power Factor	φ	0.94	0.93	0.92	0.91	0.99	0.94	0.93	0.94
6	Frequency	Hz	50.44	50.02	50.11	50.12	50.07	50.00	50.02	50.11
7	Main Sub-sation-1	KW	269	270	250	209	196	129	137	138
8	Main Sub-sation-2	KW	106	96	107	89	62	52	48	48
9	Main Sub-sation-3	KW	268	350	337	300	218	170	180	137
10	Dr. Rashid Hall S/s	KW	-	-	-	-	-	-	-	-
11	Nazrul Islam Hall (old) s/s	KW	68	66	65	85	90	96	107	102
12	Nazrul Islam Hall (New) s/s	KW	183	164	158	174	202	247	262	260
13	New Academic Build. s/s-1	KW	187	140	98	301	142	145	205	205
14	New Academic Build. s/s	KW	187	140	98	301	142	145	205	205
15	New Academic Build. s/s	KW	187	140	98	301	142	145	205	205
	A-shift									
	B-shift									
AE	SAE									
.O	G.O. <i>Jamik.</i>									

Remarks:-

Log Sheet for G-3520c Gen Set of BUET Power plant.

Gen Set no #0 1 (ONE)

Date... 02.04.2018

shift # C

SL	Time	Hrs	22.00	23.00	24.00	01.00	02.00	03.00	04.00	05.00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	27	26
2	Running Hours	SMU	4408	4409	4410	4411	4412	4413	4414	4415
3	Engine Speed	RPM	1500	1498	1498	1500	1502	1501	1498	1501
4	Lube Oil Pressure	Bar	5.100	5.135	5.020	5.065	5.120	5.12	5.145	5.04
5	Exhaust Temp. (Avg)	°C	551.8	551.5	551.3	551.2	552.1	552.3	551.0	551.3
6	Engine Load	Amps	3549	3270	3240	2958	2814	2742	2880	3006
7	Fuel Valve	%	45	44	42	41	41	41	42	42
8	Air Inlet Pressure	Bar	1.300	1.284	1.208	1.13	1.11	1.096	1.14	1.15
9	Oil Filter Diff. Press.	Bar	0.049	0.049	0.047	0.049	0.049	0.049	0.049	0.049
10	Stack Right @	°C	550	551	550	552	552	553	552	551
11	Cylinder-1	°C	551	550	550	549	551	552	550	550
12	Cylinder-3	°C	548	550	550	551	552	552	551	550
13	Cylinder-5	°C	553	553	552	554	554	556	553	551
14	Cylinder-7	°C	557	554	552	553	554	556	554	553
15	Cylinder-9	°C	556	554	552	553	556	553	556	555
16	Cylinder-11	°C	552	551	550	551	553	552	551	551
17	Cylinder-13	°C	551	550	550	550	551	553	549	548
18	Cylinder-15	°C	556	554	552	557	558	558	558	557
19	Cylinder-17	°C	549	549	548	551	551	558	550	550
20	Cylinder-19	°C	546	544	543	548	550	551	548	549
21	Stack Left @	°C	550	550	550	550	551	552	550	550
22	Cylinder-2	°C	556	554	552	552	553	552	552	551
23	Cylinder-4	°C	554	553	552	551	553	553	551	550
24	Cylinder-6	°C	559	556	555	559	552	554	553	552
25	Cylinder-8	°C	550	550	550	549	551	551	549	548
26	Cylinder-10	°C	548	546	546	546	549	549	545	544
27	Cylinder-12	°C	553	553	552	552	552	552	551	550
28	Cylinder-14	°C	549	550	550	550	551	551	550	550
29	Cylinder-16	°C	548	549	548	550	551	551	549	548
30	Cylinder-18	°C	551	552	551	551	553	552	550	550
31	Cylinder-20	°C	551	551	550	553	556	554	553	553
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	51.2	50.7	51.8	52.7	55.4	50.9	52.6	51.9
34	A/C in Temperature	°C	-	-	-	-	-	-	-	-
35	Bearing D.E.	°C	34.3	34.2	33.9	33.4	32.9	32.3	32.3	31.9
36	Bearing N.D.E.	°C	44.3	44.1	43.6	42.9	42.3	42.0	42.0	41.7
37	J/W Out Temp.	°C	88	88	88	88	89	87	88	88
38	Ambient Temperature	°C	31	31	31	31	30	30	30	30
39	Gas pre. after regulator	PSI	-	-	-	-	-	-	-	-
40	Throttle Position	%	50	48	48	46	46	46	47	46
41	Winding Temp. -1	°C	63.9	62.2	61.0	59.2	58.9	57.7	57.9	58.1
42	Winding Temp. -2	°C	64.6	63.0	60.8	60.0	58.9	58.3	58.5	58.5
43	Winding Temp. -3	°C	64.1	62.6	61.8	59.4	58.4	57.2	58.2	58.3
	Gen. Side		-	-	-	-	-	-	-	-
1	Gen Set Load (GCP)	KW	794	740	710	666	631	620	664	670
2	Energy Meter	MKW	432993	432563	432630	4327.01	4327.60	4328.24	4328.92	4329.61
3	Gen Set Voltage	Volts	406	405	405	406	406	407	405	405
4	Gen Set Current	Amps.	1183	1074	1080	986	938	914	960	1002
5	Power Factor	φ	0.94	0.94	0.94	0.94	0.95	0.84	0.94	0.97
6	Frequency	Hz	49.97	49.92	49.90	50.01	50.11	49.93	50.00	49.97
7	Main Sub-sation-1	KW	119	109	102	90	82	88	76	81
8	Main Sub-sation-2	KW	39	29	27	26	26	26	30	28
9	Main Sub-sation-3	KW	56	67	66	57	41	40	113	117
10	Dr. Rashid Hall S/s	KW	-	-	-	-	-	-	-	-
11	Nazrul Islam Hall (old) s/s	KW	99	97	96	88	82	83	79	86
12	Nazrul Islam Hall (New) s/s	KW	271	257	253	233	223	203	202	203
13	New Academic Build. s/s-1	KW	101	122	14	161	166	180	151	150
14	New Academic Build. s/s-2	KW	101	122	14	161	166	180	151	150
15	New Academic Build. s/s-3	KW	101	122	14	161	166	180	151	150
	A-shift				B-shift				C-shift	
	SAE		SAE			SAE	10/10/2018			
	G.O		G.O			G.O	R.Khan			TAURAN

\*\*\*Remarks:-

Gas Meter Reading #09286309 m³

Manager (S)  
J. O.  
Manager (S)

Date 03.04.2018

Gen Set no #01 (One)

SL	Time	Hrs	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	4416	4417	4418	4419	4420	4421	4422	4423
3	Engine Speed	RPM	1498	1499	1503	1509	1505	1500	1502	1482
4	Lube Oil Pressure	Bar	5.165	5.21	5.23	5.29	5.32	4.96	4.97	4.97
5	Exhaust Temp. (Avg)	°C	554.4	553.6	552.6	562.0	560.5	569.7	567.8	566.8
6	Engine Load	Amps	2538	1868	3672	4977	6900	7538	7282	6648
7	Fuel Valve	%	40	41	45	50	56	57	56	56
8	Air Inlet Pressure	Bar	1.034	1.07	1.12	1.82	1.89	2.48	2.54	2.39
9	Oil Filter Diff. Press.	Bar	0.045	0.043	0.047	0.049	0.047	0.047	0.052	0.049
10	Stack Right @	°C	555	554	557	562	569	569	568	567
11	Cylinder-1	°C	553	551	557	561	568	566	568	567
12	Cylinder-3	°C	554	552	554	558	562	566	566	564
13	Cylinder-5	°C	558	557	559	564	568	569	569	566
14	Cylinder-7	°C	558	555	560	564	573	575	568	568
15	Cylinder-9	°C	557	556	560	563	569	577	569	570
16	Cylinder-11	°C	558	557	556	559	562	580	558	570
17	Cylinder-13	°C	553	555	556	559	563	578	562	568
18	Cylinder-15	°C	559	558	562	566	569	576	555	569
19	Cylinder-17	°C	554	553	550	554	559	577	558	562
20	Cylinder-19	°C	552	552	552	556	559	576	548	562
21	Stack Left @	°C	554	552	554	559	563	569	567	566
22	Cylinder-2	°C	554	554	559	563	567	555	560	572
23	Cylinder-4	°C	554	554	559	559	563	568	559	569
24	Cylinder-6	°C	557	562	561	566	570	560	558	572
25	Cylinder-8	°C	554	557	558	559	564	562	560	570
26	Cylinder-10	°C	551	557	551	561	565	564	562	568
27	Cylinder-12	°C	554	553	553	550	554	565	562	555
28	Cylinder-14	°C	553	552	551	554	559	566	564	558
29	Cylinder-16	°C	553	552	551	555	560	562	562	556
30	Cylinder-18	°C	552	554	553	558	562	561	560	555
31	Cylinder-20	°C	558	556	552	557	565	568	565	560
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	51.4	50.4	58.2	56.3	56.5	52.3	52.3	52.0
34	A/C in Temperature	°C	-	-	-	-	-	-	-	-
35	Bearing D.F.	°C	31.9	31.8	32.4	32.5	33.2	39.6	42.1	42.6
36	Bearing N.D.E	°C	41.4	41.7	42.5	42.5	48.0	90	52.6	53.3
37	J/W Out Temp.	°C	87	87	89	89	89	89	89	89
38	Ambient Temperature	°C	30	30	30	30	30	30	30	30
39	Gas pre. after regulator	PSI	-	-	-	-	-	-	-	-
40	Throttle Position	%	44	45	51	53	57	58	57	57
41	Winding Temp. -1	°C	56.8	56.9	60.2	63.0	78.8	87.2	92.2	91.3
42	Winding Temp. -2	°C	57.4	57.4	60.3	62.8	80.0	87.2	94.0	92.6
43	Winding Temp. -3	°C	57.1	57.1	60.5	64.0	81.5	91.4	96.0	94.6
	Gen. Side									
1	Gen Set Load (GCP)	KW	583	675	800	1069	1479	1660	1545	1477
2	Energy Meter	MKW	4330.21	4330.82	4331.52	4332.51	4333.78	4335.31	4337.35	4338.5
3	Gen Set Voltage	Volts	405	405	405	405	405	405	405	405
4	Gen Set Current	Amps.	846	622	1224	1660	2300	2444	2427	2216
5	Power Factor	φ	0.97	0.95	0.94	0.92	0.91	0.92	0.92	0.94
6	Frequency	Hz	49.99	50.05	50.00	50.17	50.16	50.15	50.00	50.11
7	Main Sub-sation-1	KW	58	72	115	220	297	315	297	300
8	Main Sub-sation-2	KW	24	28	42	50	117	128	135	117
9	Main Sub-sation-3	KW	111	95	149	229	362	369	378	305
10	Dr. Rashid Hall S/s	KW	-	-	-	-	-	-	-	-
11	Nazrul Islam Hall (old) s/s	KW	73	80	76	82	57	69	67	84
12	Nazrul Islam Hall (New) s/s	KW	194	166	162	153	150	142	162	177
13	New Academic Build. s/s-1	KW	183	245	249	486	567	496	484	
14	New Academic Build. s/s-2	KW	183	245	249	486	567	496	484	
15	New Academic Build. s/s-3	KW	183	245	249	486	567	496	484	
	A-shift									
	SAE									
	G.O									
	B-shift									
	SAE									
	G.O									
	C-shift									

\*\*\*Remarks:- Gen set no #01 Previous shift running con and ventilation fan no #01, 02 on position.

Gen Set no #001 (one)

SL	Time	Hrs	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	4424	4425	4426	4427	4428	4429	4430	4431
3	Engine Speed	RPM	1501	1501	1489	1501	1503	1501	1502	1503
4	Lube Oil Pressure	Bar	4.285	4.96	4.95	5.630	5.100	5.80	5.049	5.065
5	Exhaust Temp. (Avg)	°C	567.1	569.2	567.5	563.5	552.9	560.3	559.9	558.2
6	Engine Load	Amps	6620	6705	6870	6960	6226	5200	4720	4347
7	Fuel Valve	%	57	56	57	52	50	51	50	47
8	Air Inlet Pressure	Bar	2.350	2.37	2.39	1.963	1.794	1.85	1.723	1.570
9	Oil Filter Diff. Press.	Bar	0.052	0.049	0.047	0.047	0.049	0.047	0.049	0.049
10	Stack Right @	°C	566	568	567	562	569	560	569	567
11	Cylinder-1	°C	567	568	568	562	558	552	557	557
12	Cylinder-3	°C	569	565	564	559	559	558	558	553
13	Cylinder-5	°C	569	571	568	564	560	561	560	560
14	Cylinder-7	°C	575	576	575	569	569	565	565	569
15	Cylinder-9	°C	573	574	575	569	567	566	566	562
16	Cylinder-11	°C	569	565	565	560	566	565	568	568
17	Cylinder-13	°C	568	570	568	561	558	559	558	559
18	Cylinder-15	°C	562	571	569	563	564	564	562	562
19	Cylinder-17	°C	566	565	566	558	559	554	559	562
20	Cylinder-19	°C	562	564	564	559	557	556	556	554
21	Stack Left @	°C	567	569	566	561	558	559	558	557
22	Cylinder-2	°C	574	575	575	568	564	564	569	562
23	Cylinder-4	°C	573	573	573	565	569	563	562	561
24	Cylinder-6	°C	576	575	576	570	568	565	567	566
25	Cylinder-8	°C	569	570	570	564	560	561	559	557
26	Cylinder-10	°C	566	567	566	560	557	558	559	554
27	Cylinder-12	°C	567	568	568	562	558	559	558	556
28	Cylinder-14	°C	560	562	562	557	559	554	553	553
29	Cylinder-16	°C	562	561	565	557	559	556	559	563
30	Cylinder-18	°C	560	563	560	558	559	554	556	554
31	Cylinder-20	°C	564	565	565	567	554	553	556	554
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	51.7	51.6	51.3	51.3	51.8	50.5	50.3	52.2
34	A/C in Temperature	°C	-	-	-	-	-	-	-	-
35	Bearing D.E	°C	42.1	42.0	42.2	41.3	39.9	38.9	38.1	37.3
36	Bearing N.D.E	°C	63.0	53.1	53.4	52.5	50.8	49.5	48.5	47.5
37	J/W Out Temp.	°C	89	89	89	88	88	88	89	89
38	Ambient Temperature	°C	36	36	36	36	35	35	35	35
39	Gas pre. after regulator	PSI	-	-	-	-	-	-	-	-
40	Throttle Position	%	58	59	59	56	53	53	53	52
41	Winding Temp. -1	°C	88.17	89.7	90.5	85.3	78.7	76.9	73.7	70.8
42	Winding Temp. -2	°C	89.1	90.6	92.4	85.3	78.6	77.0	74.9	71.7
43	Winding Temp. -3	°C	91.3	92.3	93.8	87.1	79.3	78.6	74.7	71.3
	Gen. Side									
1	Gen Set Load (GCP)	KW	1480	1502	1514	1230	1107	1160	1045	960
2	Energy Meter	MKW	434023	434149	4342.97	434463	434515	4346.67	4347.77	4348.88
3	Gen Set Voltage	Volts	404	405	406	406	407	407	406	405
4	Gen Set Current	Amps.	2260	2262	2298	1837	1662	1718	1537	1420
5	Power Factor	φ	0.99	0.96	0.93	0.95	0.95	0.95	0.93	0.95
6	Frequency	Hz	50.76	50.01	50.00	50.01	50.02	50.06	50.11	50.02
7	Main Sub-sation-1	KW	264	282	284	223	146	148	146	140
8	Main Sub-sation-2	KW	104	104	101	106	80	71	61	42
9	Main Sub-sation-3	KW	410	430	410	253	210	209	170	197
10	Dr. Rashid Hall S/s	KW	-	-	-	-	-	-	-	-
11	Nazrul Islam Hall (old) s/s	KW	82	76	79	87	80	117	112	117
12	Nazrul Islam Hall (New) s/s	KW	196	182	187	182	202	256	265	272
13	New Academic Build. s/s-1	KW	9	-	-	-	-	-	-	-
14	New Academic Build. s/s 02	KW	420	460	W	379	387	40	284	374
15	New Academic Build. s/s 03	KW	420	460	W	379	387	40	284	374

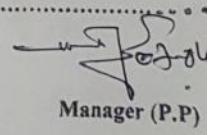
A-shift

B-shift

C-shift

SAE  
G.OSAE  
G.OSAE  
G.O

\*\*Remarks:-


  
Manager (P.P)

Gen Set no #01(ONE)

Date.....03.04.2018

**\*\*\*Remarks:-**

Gas meter Reading #03291378 m<sup>3</sup>

Manager (P.F)

## Log Sheet for G-3520c Gen Set of BUET Power plant.

Gen Set no #03 (Three)

Date 07/03/2018

SL	Time	Hrs	0.00	1.00	2.00	3.00	4.00	5.00	6.00	
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	
2	Running Hours	SMU	34020	34021	34022	34023	34024	34025	34026	
3	Engine Speed	RPM	1507	1509	1510	1509	1510	1509	1507	
4	Lube Oil Pressure	Bar	4.40	4.31	4.32	4.36	4.29	4.16		
5	Exhaust Temp. (Avg)	°C	542.3	544.4	545.3	543.8	544.9	531.8		
6	Engine Load	Amps	4029	3810	3690	3410	3610	3617		
7	Fuel Valve	%	49	49	43	42	44	44		
8	Air Inlet Pressure	Bar	1.46	1.41	1.38	1.32	1.30	1.30		
9	Oil Filter Diff. Press.	Bar	0.380	0.260	0.290	0.260	0.260	0.260		
10	Stack Right @	°C	543	547	545	544	546	546		
11	Cylinder-1	°C	546	550	550	548	550	550		
12	Cylinder-3	°C	544	548	545	545	546	547		
13	Cylinder-5	°C	531	553	551	551	553	552		
14	Cylinder-7	°C	546	543	549	546	548	547		
15	Cylinder-9	°C	543	546	545	544	546	546		
16	Cylinder-11	°C	546	550	550	549	551	550		
17	Cylinder-13	°C	543	545	541	540	544	543		
18	Cylinder-15	°C	545	550	550	546	550	550		
19	Cylinder-17	°C	538	541	541	541	541	543		
20	Cylinder-19	°C	526	539	538	537	539	540		
21	Stack Left @	°C	541	545	542	541	544	544		
22	Cylinder-2	°C	540	540	540	537	540	541		
23	Cylinder-4	°C	544	545	544	543	544	545		
24	Cylinder-6	°C	548	549	548	545	548	547		
25	Cylinder-8	°C	546	548	548	546	544	543		
26	Cylinder-10	°C	543	546	546	544	548	549		
27	Cylinder-12	°C	543	548	548	546	548	548		
28	Cylinder-14	°C	545	548	548	548	548	548		
29	Cylinder-16	°C	545	548	545	545	546	546		
30	Cylinder-18	°C	536	537	538	539	539	540		
31	Cylinder-20	°C	5130	533	533	533	533	533		
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0		
33	Manifold Temp.	°C	50.9	53.2	53.3	52.7	53.0	53.0		
34	A/C in Temperature	°C	—	—	—	—	—	—		
35	Bearing D.E	°C	—	—	—	—	—	—		
36	Reservoir N.D.E	°C	—	—	—	—	—	—		
	J/W Out Temp.	°C	87	91	91	91	92	92		
38	Ambient Temperature	°C	34	34	33	33	33	33		
39	Gas pre. after regulator	PSI	—	—	—	—	—	—		
40	Throttle Position	%	52.07	51.97	50.88	50.01	50.59	50.10		
41	Winding Temp. -1	°C	—	—	—	—	—	—		
42	Winding Temp. -2	°C	—	—	—	—	—	—		
43	Winding Temp. -3	°C	—	—	—	—	—	—		
	Gen. Side		—	—	—	—	—	—	—	
1	Gen Set Load (GCP)	KW	860	845	818	770	797	788		
2	Energy Meter	MKW	3063831	3063933	30640.04	3064094	306411.23	3064259		
3	Gen Set Voltage	Volts	401	402	403	403	403	403		
4	Gen Set Current	Amps.	1512	1270	1230	1170	1196	1167		
5	Power Factor	Φ	0.94	0.94	0.95	0.95	0.95	0.96		
6	Frequency	Hz	50.32	50.30	50.30	50.30	50.30	50.31		
7	Main Sub-sation-1	KW	90	82	83	78	76	75		
8	Main Sub-sation-2	KW	23	22	22	27	26	27		
9	Main Sub-sation-3	KW	70	87	69	77	68	67		
10	Dr. Rashid Hall S/s	KW	223	219	208	201	220	230		
11	Nazrul Islam Hall (old) s/s	KW	80	80	76	77	75	76		
12	Nazrul Islam Hall (New) s/s	KW	224	223	209	186	180	180		
13	New Academic Build. s/s-1	KW	131	128	132	121				
14	New Academic Build. s/s	KW	131	128	132	121				
15	New Academic Build. s/s	KW	131	128	132	121				
	A-shift									
	AE									
	G.O									
	B-shift									
	AE									
	G.O									
	C-shift									
	AE									
	G.O									

\*\*\*Remarks:-

23.0 - Generator No #03 (Three)

Shis

## Log Sheet for G-3520c Gen Set of BUET Power plant.

Gen Set no #03 (Three)

Date 08/03/2018

SL	Time	Hrs	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	34026	34027	34028	34029	34030	34031	34032	
3	Engine Speed	RPM	1509	1510	1512	1513	1511	1509	1512	
4	Lube Oil Pressure	Bar	2.29	4.130	21.35	1.19	4.32	4.18	4.080	
5	Exhaust Temp. (Avg)	°C	544.1	543.6	543.8	543.5	545.3	545.2	551.2	
6	Engine Load	Amps	3348	3274	3200	3570	3840	4170	4272	
7	Fuel Valve	%	43	42	42	43	43	46	46	
8	Air Inlet Pressure	Bar	1.34	1.28	1.26	1.38	1.37	1.52	1.58	
9	Oil Filter Diff. Press.	Bar	0.24	0.260	0.260	0.260	0.265	0.265	0.260	
10	Stack Right @	°C	545	544	544	545	550	552	544	
11	Cylinder-1	°C	549	548	546	546	545	546	548	
12	Cylinder-3	°C	549	545	540	541	556	558	543	
13	Cylinder-5	°C	543	552	551	552	550	551	552	
14	Cylinder-7	°C	548	548	546	547	546	547	545	
15	Cylinder-9	°C	552	545	544	544	551	552	541	
16	Cylinder-11	°C	549	549	548	550	545	546	549	
17	Cylinder-13	°C	543	542	542	543	551	552	541	
18	Cylinder-15	°C	548	546	546	546	551	554	546	
19	Cylinder-17	°C	541	541	539	540	539	541	536	
20	Cylinder-19	°C	538	538	538	539	539	540	538	
21	Stack Left @	°C	592	541	541	542	544	544	548	
22	Cylinder-2	°C	533	537	536	538	539	540		
23	Cylinder-4	°C	543	542	542	542	542	542	543	
24	Cylinder-6	°C	546	544	546	546	553	553	553	
25	Cylinder-8	°C	546	545	545	545	552	554	556	
26	Cylinder-10	°C	549	543	542	545	546	552		
27	Cylinder-12	°C	546	546	546	546	548	548	551	
28	Cylinder-14	°C	549	546	546	546	549	550	554	
29	Cylinder-16	°C	528	546	545	545	548	549	556	
30	Cylinder-18	°C	536	538	537	538	538	540	545	
31	Cylinder-20	°C	532	532	535	536	534	536	540	
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
33	Manifold Temp.	°C	52.7	53.3	53.4	53.7	54.0	54.8	55.8	
34	A/C in Temperature	°C	—	—	—	—	—	—	—	
35	Bearing D.E	°C	—	—	—	—	—	—	—	
36	Bearing N.D.E	°C	—	—	—	—	—	—	—	
37	J/W Out Temp.	°C	91	91	91	91	91	91	91	
38	Ambient Temperature	°C	33	30	30	30	31	31	32	
39	Gas pre. after regulator	PSI	—	—	—	—	—	—	—	
40	Throttle Position	%	50.31	48.91	28.52	51.39	52.55	53.23	56.76	
41	Winding Temp. -1	°C	—	—	—	—	—	—	—	
42	Winding Temp. -2	°C	—	—	—	—	—	—	—	
43	Winding Temp. -3	°C	—	—	—	—	—	—	—	
	Gen. Side		—	—	—	—	—	—	—	
1	Gen Set Load (GCP)	KW	781	748	746	811	839	886	942	
2	Energy Meter	MKW	30645.2	30643.95	30644.76	30645.4	30646.58	30647.02	30648.17	30649.22
3	Gen Set Voltage	Volts	403	404	404	403	402	401	401	
4	Gen Set Current	Amps.	1140	1110	1075	1197	1280	1388	1424	
5	Power Factor	φ	0.97	0.96	0.96	0.96	0.95	0.94	0.95	
6	Frequency	Hz	50.29	50.30	50.37	50.03	50.29	50.29	50.33	
7	Main Sub-sation-1	KW	29	58	54	74	77	97	90	
8	Main Sub-sation-2	KW	18	21	20	22	42	110	42	
9	Main Sub-sation-3	KW	65	92	95	100	158	170	122	
10	Dr. Rashid Hall S/s	KW	225	202	204	200	195	205	222	
11	Nazrul Islam Hall (old) s/s	KW	110	71	57	63	66	60	59	
12	Nazrul Islam Hall (New) s/s	KW	160	145	141	148	144	146	148	
13	New Academic Build. s/s-1	KW	59	51	45	40	39	40	40	
14	New Academic Build. s/s-2	KW	59	51	45	40	39	40	40	
15	New Academic Build. s/s-3	KW	59	51	45	40	39	40	40	
	A-shift				B-shift					C-shift
	AE			AE			AE			
	G.O <i>[Signature]</i>			G.O			G.O			

\*\*\*Remarks:- Gen set no #03 (three) stop at = 12:20 HRS

Date. 14/03/2018

## Gen Set no #03 (Three)

SL	Time	Hrs	16:00	17:00	18:00	19:00	20:00	21:00
	Particulars (Engine Side)	Units						
1	Battery Voltage	V	26	26	26	26	26	26
2	Running Hours	SMU	34032	34033	34034	34035	34036	34037
3	Engine Speed	RPM	1519	1511	1510	1510	1512	
4	Lube Oil Pressure	Bar	4.180	4.1200	4.305	4.126	4.335	4.170
5	Exhaust Temp. (Avg)	°C	564.2	553.0	557.6	556.9	558.5	555.8
6	Engine Load	Amps	6640	5607	5478	5298	5160	4730
7	Fuel Valve	%	56	53	51	50	48	48
8	Air Inlet Pressure	Bar	2.442	2.01	1.993	1.91	1.769	1.754
9	Oil Filter Diff. Press.	Bar	0.280	0.280	0.0276	0.0280	0.270	0.0336
10	Stack Right @	°C	573	552	564	561	557	556
11	Cylinder-1	°C	576	554	569	566	560	555
12	Cylinder-3	°C	574	550	564	561	554	560
13	Cylinder-5	°C	520	561	573	570	565	556
14	Cylinder-7	°C	575	554	566	564	557	565
15	Cylinder-9	°C	573	553	569	561	556	554
16	Cylinder-11	°C	572	556	565	565	559	555
17	Cylinder-13	°C	574	551	565	562	554	558
18	Cylinder-15	°C	577	556	569	568	562	560
19	Cylinder-17	°C	572	551	558	558	552	552
20	Cylinder-19	°C	565	544	552	552	549	546
21	Stack Left @	°C	571	551	563	560	556	557
22	Cylinder-2	°C	568	546	556	556	551	550
23	Cylinder-4	°C	568	553	560	562	558	557
24	Cylinder-6	°C	575	559	562	564	561	561
25	Cylinder-8	°C	573	559	561	565	564	564
26	Cylinder-10	°C	565	556	562	561	560	562
27	Cylinder-12	°C	561	554	557	557	557	561
28	Cylinder-14	°C	564	557	558	560	559	559
29	Cylinder-16	°C	567	554	557	559	557	561
30	Cylinder-18	°C	552	545	546	548	548	550
31	Cylinder-20	°C	550	542	544	545	545	546
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	55.8	54.6	55.0	54.3	54.3	54.2
34	A/C in Temperature	°C	-	-	-	-	-	-
35	Bearing D.E	°C	-	-	-	-	-	-
36	Bearing N.D.E	°C	-	-	-	-	-	-
37	J/W Out Temp.	°C	91	90	92	91	91	90
38	Ambient Temperature	°C	36	36	36	38	40	39
39	Gas pre. after regulator	PSI	-	-	-	-	-	-
40	Throttle Position	%	58.63	54.80	56.17	56.77	55.90	55.07
41	Winding Temp. -1	°C	-	-	-	-	-	-
42	Winding Temp. -2	°C	-	-	-	-	-	-
43	Winding Temp. -3	°C	-	-	-	-	-	-
	Gen. Side	-	-	-	-	-	-	-
1	Gen Set Load (GCP)	KW	1540	1380	1230	1182	1120	1075
2	Energy Meter	MKW	30649	30650	30651	30652	30653	30654
3	Gen Set Voltage	Volts	411	406	4009	401	401	401
4	Gen Set Current	Amps.	2275	1869	1847	1766	1673	1587
5	Power Factor	φ	0.95	0.92	0.97	0.97	0.97	0.97
6	Frequency	Hz	50.57	50.30	50.43	50.47	50.10	50.29
7	Main Sub-sation-1	KW	263	214	169	157	142	141
8	Main Sub-sation-2	KW	112	89	67	51	41	41
9	Main Sub-sation-3	KW	297	265	263	160	162	87
10	Dr. Rashid Hall S/s	KW	237	223	230	256	262	265
11	Nazrul Islam Hall (old) s/s	KW	69	66	80	85	87	87
12	Nazrul Islam Hall (New) s/s	KW	235	166	184	217	233	226
13	New Academic Build. s/s-1	KW	{ 327	X	297	X	272	228
14	New Academic Build. s/s 02	KW	{ 327	m	297	X	272	228
15	New Academic Build. s/s 03	KW	{ 327	m	297	X	272	228
	A-shift		B-shift				C-shift	
AE	AE	W/N/UND/NOG				AE		
G.O	G.O					G.O		

\*\*\*Remarks:- Gen set no # 03 (Three) started at 15:30 HRS

Gen set no # 02 (Two) started at 16:30 HRS. FO  
With Load 500 KW, ~ 36 minet.

Gen set no # 02 (Two) stopped at 17:00 HRS

Shift: "C"

## Log Sheet for G-3520c Gen Set of BUET Power plant.

Gen Set no #03 (Three)

Date..... 14.03.2018

SL	Time	Hrs	22:00	23:00	24:00	09:00	02:00	03:00	04:00	05:00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	34038	34039	34040	34041	34042	34043	34044	34045
3	Engine Speed	RPM	1511	1509	1508	1511	1510	1502	1510	1505
4	Lube Oil Pressure	Bar	4.35	4.33	4.21	4.21	4.21	4.17	4.25	4.38
5	Exhaust Temp. (Avg)	°C	559.6	555.0	552.9	558.8	552.3	552.0	554.0	552.1
6	Engine Load	Amps	4216	4302	4050	3744	3205	4266	3900	3915
7	Fuel Valve	%	47	46	45	44	44	44	45	45
8	Air Inlet Pressure	Bar	1.65	1.59	1.51	1.43	1.39	1.43	1.50	1.48
9	Oil Filter Diff. Press.	Bar	0.270	0.290	0.260	0.280	0.290	0.280	0.290	0.290
10	Stack Right @	°C	555	555	553	554	552	553	553	553
11	Cylinder-1	°C	553	556	552	557	553	552	554	553
12	Cylinder-3	°C	554	556	552	557	553	552	554	553
13	Cylinder-5	°C	554	551	550	552	550	551	552	551
14	Cylinder-7	°C	564	561	561	569	552	551	562	561
15	Cylinder-9	°C	554	552	552	554	552	553	554	553
16	Cylinder-11	°C	566	552	553	554	552	552	556	553
17	Cylinder-13	°C	557	556	552	552	552	557	556	556
18	Cylinder-15	°C	562	550	552	552	551	561	552	551
19	Cylinder-17	°C	560	558	558	559	558	561	552	551
20	Cylinder-19	°C	557	550	550	552	551	550	552	551
21	Stack Left @ ✓	°C	546	594	544	543	543	542	541	543
22	Cylinder-2	°C	554	553	552	553	551	552	552	552
23	Cylinder-4	°C	549	548	546	546	545	543	546	545
24	Cylinder-6	°C	556	553	553	553	552	552	554	553
25	Cylinder-8	°C	559	554	558	560	558	558	559	559
26	Cylinder-10	°C	560	559	558	560	558	557	558	559
27	Cylinder-12	°C	557	558	552	557	556	553	552	551
28	Cylinder-14	°C	554	553	553	554	553	556	553	552
29	Cylinder-16	°C	557	556	552	557	557	558	556	551
30	Cylinder-18	°C	553	556	553	554	552	546	551	553
31	Cylinder-20	°C	544	543	544	545	545	542	544	541
32	Air Restriction	Bar	541	541	540	541	541	541	541	540
33	Manifold Temp.	°C	53.7	53.6	53.5	53.8	53.3	53.7	53.4	53.3
34	A/C in Temperature	°C								
35	Bearing D.E.	°C								
36	Bearing N.D.E	°C								
37	J/W Out Temp.	°C	91	91	90	92	91	91	91	91
38	Ambient Temperature	°C	38	38	37	37	39	34	33	39
39	Gas pre. after regulator	PSI								
40	Throttle Position	%	54.20	53.18	52.63	52.9	51.21	51.41	52.18	51.93
41	Winding Temp. -1	°C								
42	Winding Temp. -2	°C								
43	Winding Temp. -3	°C								
	Gen. Side									
1	Gen Set Load (GCP)	KW	970	953	905	869	818	879	889	981
2	Energy Meter	MKW	3065389	3065619	3065723	3065815	3066949	3066949	3066949	3066949
3	Gen Set Voltage	Volts	103	103	109	109	109	104	104	104
4	Gen Set Current	Amps.	1475	1492	1350	1297	1213	1280	1320	1305
5	Power Factor	Φ	0.97	0.96	0.97	0.98	0.96	0.97	0.97	0.97
6	Frequency	Hz	50.32	50.29	50.28	50.30	50.34	50.29	50.34	50.33
7	Main Sub-sation-1	KW	125	121	115	110	99	96	96	98
8	Main Sub-sation-2	KW	32	31	33	28	26	23	21	23
9	Main Sub-sation-3	KW	87	80	77	78	62	60	123	122
10	Dr. Rashid Hall S/s	KW	212	207	207	189	183	182	182	182
11	Nazrul Islam Hall (old) s/s	KW	92	93	87	85	80	80	231	232
12	Nazrul Islam Hall (New) s/s	KW	241	246	232	223	207	202	174	177
13	New Academic Build. s/s-1	KW								
14	New Academic Build. s/s	KW	200			182				
15	New Academic Build. s/s	KW								

A-shift

B-shift

C-shift

AE

AE

AE

G.O

G.O

G.O

\*\*\*Remarks:-

Am : 03190873

Manager (P.)

Log Sheet for G-3520c Gen Set of BUET Power plant

Gen Set no #03 (Three)

Date.....15.03.2018

SL	Time	Hrs	Date.....2023-01-01							
			06:00:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	34046	34047	34048	34049	34050	34051	34052	34053
3	Engine Speed	RPM	1510	1509	1510	1506	1513	1512	1507	1507
4	Lube Oil Pressure	Bar	4.21	4.395	4.26	4.260	4.290	4.24	4.370	4.335
5	Exhaust Temp. (Avg)	°C	551.0	552.8	548.5	551.1	553.2	553.3	552.4	550.4
6	Engine Load	Amps	3603	3418	3410	3532A	4185	4465	4425	4608
7	Fuel Valve	%	44	43	44	44	46	47	47	48
8	Air Inlet Pressure	Bar	1.38	1.32	1.38	1.38	1.524	1.61	1.636	1.684
9	Oil Filter Diff. Press.	Bar	0.260	0.270	0.280	0.270	0.270	0.280	0.280	0.260
10	Stack Right @	°C	551	551	551	550	551	552	552	552
11	Cylinder-1	°C	553	551	533	551	556	557	559	553
12	Cylinder-3	°C	550	550	549	548	551	551	551	551
13	Cylinder-5	°C	560	559	520	559	564	569	561	562
14	Cylinder-7	°C	551	551	552	550	554	557	552	553
15	Cylinder-9	°C	552	553	553	550	554	556	552	552
16	Cylinder-11	°C	554	554	536	553	557	558	559	556
17	Cylinder-13	°C	548	549	517	548	550	553	548	550
18	Cylinder-15	°C	556	554	537	544	560	560	557	557
19	Cylinder-17	°C	550	550	530	550	551	552	549	549
20	Cylinder-19	°C	541	541	509	542	544	545	543	543
21	Stack Left @	°C	550	550	530	548	552	552	552	551
22	Cylinder-2	°C	543	542	541	543	546	550	545	546
23	Cylinder-4	°C	550	550	549	550	554	559	552	543
24	Cylinder-6	°C	556	551	554	556	559	558	557	557
25	Cylinder-8	°C	556	554	536	556	558	552	557	557
26	Cylinder-10	°C	551	552	536	554	556	556	554	556
27	Cylinder-12	°C	552	551	534	552	557	551	551	550
28	Cylinder-14	°C	554	553	553	554	556	559	556	553
29	Cylinder-16	°C	552	551	536	551	556	554	553	552
30	Cylinder-18	°C	543	543	544	544	544	548	543	543
31	Cylinder-20	°C	538	537	538	540	541	540	540	540
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	52.9	53.7	53.3	53.6	54.3	54.3	54.6	55.15
34	A/C in Temperature	°C	-	/	/	/	/	/	/	/
35	Bearing D.E	°C	-	/	/	/	/	/	/	/
36	Bearing N.D.E	°C	-	/	/	/	/	/	/	/
37	J/W Out Temp.	°C	91	91	91	91	91	91	91	91
38	Ambient Temperature	°C	30	35	35	35	36	36	36	39
39	Gas pre. after regulator	PSI	-	-	-	-	-	-	-	-
40	Throttle Position	%	50.83	49.80	50.27	50.73	53.47	54.80	55.05	55.88
41	Winding Temp. -1	°C	/	/	/	/	/	/	/	/
42	Winding Temp. -2	°C	/	/	/	/	/	/	/	/
43	Winding Temp. -3	°C	/	/	/	/	/	/	/	/
44	Gen. Side									
45	Gen Set Load (GCP)	KW	810	773	804	796	928	980	985	1032
46	Energy Meter	MKW	30663.0	30663%	30664.5	30665.93	30664.45	30667.18	30668.29	30669.25
47	Gen Set Voltage	Volts	405	405	405	405	405	403	403	403
48	Gen Set Current	Amps.	1201	1116	1157	1178	1395	1485	1495	1536
49	Power Factor	φ	0.97	0.98	0.98	0.98	0.96	0.96	0.96	0.97
50	Frequency	Hz	50.30	50.30	50.29	50.25	50.30	50.31	50.30	50.38
51	Main Sub-sation-1	KW	22	80	77	76	89	91	93	124
52	Main Sub-sation-2	KW	29	18	19	30	45	48	45	40
53	Main Sub-sation-3	KW	130	113	140	175	217	215	205	209
54	Dr. Rashid Hall S/s	KW	202	199	185	188	182	189	186	201
55	Nazrul Islam Hall (old) s/s	KW	65	58	61	55	52	60	62	58
56	Nazrul Islam Hall (New) s/s	KW	162	152	158	155	150	148	153	162
57	New Academic Build, s/s-1	KW	1AB	X	10	6	4	6	95	97
58	New Academic Build, s/s-2	KW	1AB	X	10	6	4	6	95	97
59	New Academic Build, s/s-3	KW	1AB	X	10	6	4	6	95	97

A-shift	B-shift	C-shift
AE	AE	AE
G.O	R.Kannan	G.O

**\*\*\*Remarks:-**

Manager (I)

Log Sheet for G-3520c Gen Set of BUET Power plant.

Date .. 15.03.2018

Gen Set no #03 (Three)

SL	Particulars (Engine Side)	Time	Hrs	14.00	15.00	6.00	7.00	8.00	9.00	20.00	21.00
		Units									
1	Battery Voltage	V	26	26	26	26	26	26	26	26	26
2	Running Hours	SMU	34054	34055	34056	34057	34058	34059	34060	34061	34061
3	Engine Speed	RPM	1510	1512	1513	1511	1510	1507	1512		
4	Lube Oil Pressure	Bar	4.360	4.30	4.31	4.35	4.21	4.24	4.32	4.35	
5	Exhaust Temp. (Avg)	°C	549.0	550.5	553.0	550.1	552.3	554.7	555.1	557.9	
6	Engine Load	Amps	4443	4446	4260	4173	4374	4890	4758	4680	
7	Fuel Valve	%	47	97	96	46	47	98	98	48	
8	Air Inlet Pressure	Bar	1.65	1.66	1.59	1.56	1.65	1.74	1.79	1.803	
9	Oil Filter Diff. Press.	Bar	0.270	0.270	0.270	0.245	0.270	0.270	0.280	0.260	
10	Stack Right @	°C	554	552	562	552	551	555	556	556	
11	Cylinder-1	°C	557	552	559	556	554	561	559	559	
12	Cylinder-3	°C	552	549	551	562	550	557	553	553	
13	Cylinder-5	°C	562	559	561	562	562	569	565	565	
14	Cylinder-7	°C	554	550	553	553	553	560	556	558	
15	Cylinder-9	°C	552	550	561	558	552	559	556	557	
16	Cylinder-11	°C	557	542	564	533	556	541	559	559	
17	Cylinder-13	°C	549	546	550	546	551	558	553	556	
18	Cylinder-15	°C	557	554	566	552	559	567	561	564	
19	Cylinder-17	°C	549	546	548	548	551	558	553	554	
20	Cylinder-19	°C	543	541	542	539	545	551	548	549	
21	Stack Left @	°C	553	551	550	562	550	554	556	554	
22	Cylinder-2	°C	545	544	545	543	548	554	552	552	
23	Cylinder-4	°C	551	551	551	550	554	561	560	559	
24	Cylinder-6	°C	558	559	557	556	558	562	565	561	
25	Cylinder-8	°C	558	559	556	556	558	562	565	562	
26	Cylinder-10	°C	554	553	553	553	554	560	562	560	
27	Cylinder-12	°C	537	550	550	550	552	554	558	556	
28	Cylinder-14	°C	552	552	553	553	554	558	564	559	
29	Cylinder-16	°C	552	552	550	553	552	557	558	557	
30	Cylinder-18	°C	542	542	542	543	543	546	551	545	
31	Cylinder-20	°C	540	538	538	544	541	543	548	543	
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
33	Manifold Temp.	°C	55.9	55.0	57.1	55.2	54.6	54.7	59.8	54.1	
34	A/C in Temperature	°C									
35	Bearing D.F.	°C									
36	Bearing N.D.E	°C									
37	J/W Out Temp.	°C	91	91	91	91	91	91	91	91	
38	Ambient Temperature	°C	40	40	40	39	40	38	39	39	
39	Gas pre. after regulator	PSI									
40	Throttle Position	%	55.38	55.84	55.17	55.05	55.66	56.69	55.89	55.11	
41	Winding Temp. -1	°C									
42	Winding Temp. -2	°C									
43	Winding Temp. -3	°C									
	Gen. Side										
1	Gen Set Load (GCP)	KW	991	1010	960	947	992	1105	1057	1048	
2	Energy Meter	MKW	30670.28	30671.19	30672.15	30673.19	30674.02	30675.04	30676.16	30677.29	
3	Gen Set Voltage	Volts	403	409	401	404	403	401	401	401	
4	Gen Set Current	Amps.	1481	1982	1920	1351	1458	1630	1586	1560	
5	Power Factor	Φ	0.97	0.97	0.98	0.98	0.97	0.97	0.97	0.96	
6	Frequency	Hz	50.40	50.30	50.49	50.29	50.35	50.14	50.20	50.40	
7	Main Sub-sation-1	KW	120	110	114	103	107	135	128	124	
8	Main Sub-sation-2	KW	39	35	40	35	41	43	37	43	
9	Main Sub-sation-3	KW	186	187	169	168	136	157	98	51	
10	Dr. Rashid Hall S/s	KW	200	192	193	199	203	232	255	252	
11	Nazrul Islam Hall (old) s/s	KW	58	62	63	61	63	92	92	91	
12	Nazrul Islam Hall (New) s/s	KW	164	167	160	163	174	216	230	242	
13	New Academic Build. s/s-1	KW	214	218	21A	208	258	2A1	204	235	
14	New Academic Build. s/s -2	KW									
15	New Academic Build. s/s -3	KW									
	A-shift										
	AE	AE	AE	AE	AE	AE	AE	AE	AE	AE	
	G.O	G.O	G.O	G.O	G.O	G.O	G.O	G.O	G.O	G.O	

\*\*\*Remarks:-

Manager

Log Sheet for G-3520c Gen Set of BUET Power plant.

shift: C

Gen Set no #03 (Three)

Date: 15/03/18.

SL	Time	Hrs	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	34062	34063	34064	34065	34066	34067	34068	34069
3	Engine Speed	RPM	1509	1510	1510	1511	1511	1510	1511	1509
4	Lube Oil Pressure	Bar	1.41	1.32	1.32	1.280	1.225	1.215	1.212	1.223
5	Exhaust Temp. (Avg)	°C	55511	55512	55512	55513	55514	55515	55516	55515
6	Engine Load	Amps	4360	4080	2880	2614	3605	3481	4035	4019
7	Fuel Valve	%	47	46	45	44	44	43	46	45
8	Air Inlet Pressure	Bar	1.61	1.56	1.493	1.246	1.417	1.471	1.52	1.49
9	Oil Filter Diff. Press.	Bar	0.210	0.280	0.260	0.245	0.260	0.230	0.26	0.226
10	Stack Right @	°C	555	554	551	550	552	551	552	552
11	Cylinder-1	°C	556	556	556	556	556	556	557	556
12	Cylinder-3	°C	552	551	549	550	550	550	552	550
13	Cylinder-5	°C	542	562	560	561	560	561	563	562
14	Cylinder-7	°C	554	554	550	553	552	553	554	553
15	Cylinder-9	°C	559	553	550	550	552	550	554	552
16	Cylinder-11	°C	559	554	556	554	554	554	559	552
17	Cylinder-13	°C	559	554	556	554	554	554	559	552
18	Cylinder-15	°C	556	554	549	540	549	540	553	560
19	Cylinder-17	°C	542	561	558	551	554	551	552	558
20	Cylinder-19	°C	553	551	551	550	550	550	553	550
21	Stack Left @	°C	552	552	550	551	550	552	548	549
22	Cylinder-2	°C	551	550	549	548	545	544	551	547
23	Cylinder-4	°C	552	556	554	552	551	551	556	553
24	Cylinder-6	°C	552	560	556	557	557	556	560	559
25	Cylinder-8	°C	561	560	556	557	557	556	557	558
26	Cylinder-10	°C	559	558	556	553	553	553	553	556
27	Cylinder-12	°C	556	554	554	552	553	553	553	556
28	Cylinder-14	°C	558	558	557	552	552	553	553	552
29	Cylinder-16	°C	556	556	554	552	552	551	552	554
30	Cylinder-18	°C	548	548	546	544	544	544	549	545
31	Cylinder-20	°C	543	543	542	541	540	538	540	541
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	53.6	53.4	53.5	53.5	53.5	53.0	53.0	52.9
34	A/C in Temperature	°C	-	-	-	-	-	-	-	-
35	Bearing D.E	°C	-	-	-	-	-	-	-	-
36	Bearing N.D.E	°C	-	-	-	-	-	-	-	-
37	J/W Out Temp.	°C	92	91	91	91	91	91	92	91
38	Ambient Temperature	°C	32	32	35	36	36	36	31	31
39	Gas pre. after regulator	PSI	-	-	-	-	-	-	-	-
40	Throttle Position	%	51.31	53.40	52.83	51.68	51.64	50.91	52.52	52.80
41	Winding Temp. -1	°C	/	/	/	/	/	/	/	/
42	Winding Temp. -2	°C	/	/	/	/	/	/	/	/
43	Winding Temp. -3	°C	/	/	/	/	/	/	/	/
	Gen. Side									
1	Gen Set Load (GCP)	KW	980	932	894	842	829	793	909	889
2	Energy Meter	MKW	3067850	3067930	3068010	3068128	3068211	3068267	3068312	3068309
3	Gen Set Voltage	Volts	403	403	403	404	404	405	404	404
4	Gen Set Current	Amps	1455	1379	1300	1099	1216	1166	1391	1309
5	Power Factor	Φ	0.97	0.97	0.98	0.97	0.93	0.97	0.97	0.97
6	Frequency	Hz	50.30	50.30	50.28	50.30	50.30	50.29	50.29	50.31
7	Main Sub-sation-1	KW	127	124	104	105	105	106	102	104
8	Main Sub-sation-2	KW	41	29	28	25	25	24	36	26
9	Main Sub-sation-3	KW	67	68	60	56	56	57	105	102
10	Dr. Rashid Hall S/s	KW	205	204	199	199	192	177	150	222
11	Nazrul Islam Hall (old) s/s	KW	95	95	88	86	79	74	78	75
12	Nazrul Islam Hall (New) s/s	KW	241	243	227	212	204	202	195	189
13	New Academic Build. s/s-1	KW								
14	New Academic Build. s/s	KW								
15	New Academic Build. s/s	KW								
	A-shift									
	AE									
G.O	G.O									

\*\*\*Remarks:-

AC meter reading : 103/193026 m³

Manager (P.P)

14.03.18  
Signature

Log Sheet for G-3520c Gen Set of BUET Power plant.

Shift # "A"

Gen Set no #03 (Three)

Date 16/03/2018

SL	Time	Hrs	06.00	07.00	08.00	09.00	10.00	11.00	12.00	13.00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	3407634071	3407634072	3407634073	3407634075	3407634077			
3	Engine Speed	RPM	1512	1510	1511	1509	1507	1512	1511	1514
4	Lube Oil Pressure	Bar	4.33	4.40	4.360	4.30	4.350	4.325	4.22	4.38
5	Exhaust Temp. (Avg)	°C	579.8	550.7	551.5	551.3	552.8	551.9	550.4	547.9
6	Engine Load	Amps	3730	3420	3858	3939	4557	4185	3873	3693
7	Fuel Valve	%	44	43	45	45	47	46	45	45
8	Air Inlet Pressure	Bar	1.43	1.33	1.50	1.50	1.601	1.56	1.509	1.46
9	Oil Filter Diff. Press.	Bar	0.245	0.270	0.260	0.245	0.260	0.270	0.245	0.260
10	Stack Right @	°C	550	550	552	552	553	551	550	547
11	Cylinder-1	°C	552	551	556	554	554	556	552	549
12	Cylinder-3	°C	548	549	551	550	551	551	548	545
13	Cylinder-5	°C	549	558	562	562	562	561	559	556
14	Cylinder-7	°C	552	552	553	564	554	554	551	549
15	Cylinder-9	°C	552	551	552	553	554	553	551	549
16	Cylinder-11	°C	554	553	556	556	554	553	551	549
17	Cylinder-13	°C	556	549	549	551	552	552	549	545
18	Cylinder-15	°C	548	554	558	560	560	559	556	554
19	Cylinder-17	°C	550	550	550	551	552	549	549	546
20	Cylinder-19	°C	542	541	544	545	546	545	543	539
21	Stack Left @	°C	550	549	553	551	552	551	549	546
22	Cylinder-2	°C	546	544	548	551	551	546	545	543
23	Cylinder-4	°C	552	550	553	556	557	553	551	549
24	Cylinder-6	°C	557	556	558	560	561	558	557	554
25	Cylinder-8	°C	557	556	558	560	561	557	556	553
26	Cylinder-10	°C	553	552	556	557	558	553	552	550
27	Cylinder-12	°C	552	552	552	554	554	551	550	550
28	Cylinder-14	°C	557	556	556	558	557	552	552	551
29	Cylinder-16	°C	553	552	554	556	559	552	550	549
30	Cylinder-18	°C	545	545	545	548	544	542	542	541
31	Cylinder-20	°C	541	540	541	543	541	538	537	536
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	53.3	52.7	53.3	53.0	53.4	53.4	53.6	54.3
34	A/C in Temperature	°C	34							
35	Bearing D.F.	°C	/	/	/	/	/	/		
36	Bearing N.D.E	°C	/	/	/	/	/			
37	J/W Out Temp.	°C	91	92	91	91	91	91	91	91
38	Ambient Temperature	°C	32	36	36	36	37	38	38	38
39	Gas pre. after regulator	PSI								
40	Throttle Position	%	51.17	50.18	52.20	52.84	54.96	53.76	53.14	52.19
41	Winding Temp. -1	°C	/	/	/	/	/			
42	Winding Temp. -2	°C	/	/	/	/	/			
43	Winding Temp. -3	°C	/	/	/	/	/			
	Gen. Side									
1	Gen Set Load (GCP)	KW	843	777	870	910	1040	933	897	850
2	Energy Meter	MKW	3068520	3068628	3068712	3068729	3068895	3068993	3069091	3069185
3	Gen Set Voltage	Volts	415	405	404	404	402	404	404	404
4	Gen Set Current	Amps.	1224	1140	1286	1313	1508	1395	1281	1231
5	Power Factor	φ	0.97	0.97	0.98	0.98	0.97	0.98	0.98	0.98
6	Frequency	Hz	50.30	50.30	50.39	50.31	50.13	50.30	50.35	50.29
7	Main Sub-sation-1	KW	88	82	82	94	124	120	99	93
8	Main Sub-sation-2	KW	21	20	34	34	34	38	32	23
9	Main Sub-sation-3	KW	116	105	122	108	165	139	114	113
10	Dr. Rashid Hall S/s	KW	200	146	185	193	194	187	187	194
11	Nazrul Islam Hall (old) s/s	KW	64	59	64	61	66	65	65	72
12	Nazrul Islam Hall (New) s/s	KW	178	161	153	158	158	156	171	166
13	New Academic Build. s/s-1	KW	6	9	9	9	9	9	9	9
14	New Academic Build. s/s-2	KW	6	9	9	9	9	9	9	9
15	New Academic Build. s/s-3	KW	6	9	9	9	9	9	9	9

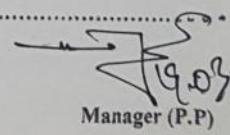
A-shift

B-shift

C-shift

SAE	SAE
G.O Rham Tauran	G.O

\*\*\*Remarks:-

  
Manager (P.P.)

Gen Set no #03 (Three)

Date 16/03/18

Sl.	Particulars (Engine Side)	Time	Hrs	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00
	Units										
1	Battery Voltage	V	26	26	26	26	26	26	26	26	26
2	Running Hours	SMU	34078	34079	34080	34081	34082	34083	34084	34085	34085
3	Engine Speed	RPM	1512	1514	1510	1507	1509	1509	1510	1512	1512
4	Lube Oil Pressure	Bar	4.32	4.30	4.243	4.33	4.32	4.23	4.33	4.30	4.30
5	Exhaust Temp. (Avg)	°C	547.8	549.2	549.6	549.2	548.3	550.7	551.1	550.8	550.8
6	Engine Load	Amps	3616	4170	4016	4118	4050	4502	4125	4923	4923
7	Fuel Valve	%	49	46	45	46	45	47	48	46	46
8	Air Inlet Pressure	Bar	1.93	1.55	1.49	1.57	1.50	1.64	1.70	1.58	1.58
9	Oil Filter Diff. Press.	Bar	0.280	0.270	0.260	0.280	0.290	0.280	0.245	0.260	0.260
10	Stack Right @	°C	548	548	548	547	549	550	552	553	553
11	Cylinder-1	°C	550	551	550	551	551	552	550	551	551
12	Cylinder-3	°C	548	546	546	548	548	546	550	551	551
13	Cylinder-5	°C	558	557	558	559	558	558	561	562	562
14	Cylinder-7	°C	550	550	549	551	550	558	553	554	554
15	Cylinder-9	°C	549	547	530	550	550	550	552	552	552
16	Cylinder-11	°C	532	531	530	533	532	539	534	537	537
17	Cylinder-13	°C	546	545	546	548	546	533	550	552	552
18	Cylinder-15	°C	559	554	554	556	556	548	550	558	558
19	Cylinder-17	°C	546	546	546	548	545	545	548	550	550
20	Cylinder-19	°C	547	541	541	542	541	541	544	544	544
21	Stack Left @ ✓	°C	542	548	547	547	548	548	552	552	552
22	Cylinder-2	°C	544	545	543	546	546	531	549	546	546
23	Cylinder-4	°C	550	552	550	551	551	556	554	553	553
24	Cylinder-6	°C	554	556	554	556	556	556	559	559	559
25	Cylinder-8	°C	534	536	530	536	534	534	538	538	538
26	Cylinder-10	°C	551	552	551	551	557	551	554	553	553
27	Cylinder-12	°C	580	550	550	549	556	552	551	551	551
28	Cylinder-14	°C	551	552	550	551	552	549	554	553	553
29	Cylinder-16	°C	532	551	551	550	549	552	544	543	543
30	Cylinder-18	°C	543	543	539	541	543	552	541	538	538
31	Cylinder-20	°C	537	538	533	537	538	538	541	541	541
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	54.6	54.6	54.6	54.1	54.2	54.4	54.4	53.6	53.6
34	A/C in Temperature	°C									
35	Bearing D.F.	°C									
36	Bearing N.D.E	°C									
37	J/W Out Temp.	°C	91	91	91	91	91	91	91	91	91
38	Ambient Temperature	°C	38	38	38	38	37	37	37	37	37
39	Gas pre. after regulator	PSI									
40	Throttle Position	%	53.08	55.09	55.04	54.45	54.00	55.08	55.03	54.28	
41	Winding Temp. -1	°C									
42	Winding Temp. -2	°C									
43	Winding Temp. -3	°C									
	Gen. Side										
1	Gen Set Load (GCP)	KW	854	950	909	939	935	983	1045	970	
2	Energy Meter	MKW	30692.7	30693.53	30693.53	30693.53	30693.53	30693.53	30693.53	30693.53	
3	Gen Set Voltage	Volts	404	404	404	404	403	402	401	402	
4	Gen Set Current	Amps.	12.45	13.90	13.16	13.74	13.50	15.19	15.75	14.75	
5	Power Factor	Φ	0.98	0.98	0.97	0.97	0.97	0.93	0.95	0.95	
6	Frequency	Hz	50.32	50.19	50.26	50.39	50.40	50.29	50.30	50.12	
7	Main Sub-sation-1	KW	92	95	95	97	115	114	121	113	
8	Main Sub-sation-2	KW	23	20	24	25	23	42	49	41	
9	Main Sub-sation-3	KW	110	114	112	113	118	113	57	62	
10	Dr. Rashid Hall S/s	KW	194	202	189	196	209	235	238	251	
11	Nazrul Islam Hall (old) s/s	KW	72	67	62	60	64	88	91	84	
12	Nazrul Islam Hall (New) s/s	KW	169	167	149	151	176	213	206	211	
13	New Academic Build. s/s-1	KW									
14	New Academic Build. s/s	KW	183	177	163	173	202	216	235	195	
15	New Academic Build. s/s	KW									
	A-shift										
	SAE	SAE	171	172	1004		SAE				
	G.O	G.O	Down	Up	Up	Up	G.O				

\*\*\*Remarks:-

C-shift

Manager (P.P)

19/03

Log Sheet for G-3520c Gen Set of BUET Power plant.

Shift # C

Gen Set no #03 (Three)

Date..... 16.03.2018

SL	Time	Hrs	22:00	23:00	24:00	01:00	02:00	03:00	04:00	05:00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	26	26	26	26	26	26	26	26
2	Running Hours	SMU	34086	34087	34088	34089	34090	34091	34092	34093
3	Engine Speed	RPM	1509	1500	1509	1510	1500	1512	1510	1511
4	Lube Oil Pressure	Bar	4.37	4.30	4.35	4.28	4.34	4.29	4.38	4.37
5	Exhaust Temp. (Avg)	°C	549.2	547.6	547.7	548.4	546.2	545.4	545.2	544.9
6	Engine Load	Amps	4215	3766	3786	3676	3435	3247	3536	3602
7	Fuel Valve	%	46	44	44	43	43	42	44	44
8	Air Inlet Pressure	Bar	1.55	1.43	1.48	1.39	1.35	1.27	1.38	1.36
9	Oil Filter Diff. Press.	Bar	0.280	0.260	0.248	0.270	0.270	0.273	0.245	0.241
10	Stack Right @	°C	550	548	549	548	550	552	553	554
11	Cylinder-1	°C	552	549	550	548	547	548	553	556
12	Cylinder-3	°C	548	549	546	548	548	549	556	556
13	Cylinder-5	°C	556	547	551	555	556	555	555	557
14	Cylinder-7	°C	552	550	550	552	550	552	556	557
15	Cylinder-9	°C	550	553	548	548	545	548	552	554
16	Cylinder-11	°C	552	549	551	552	550	552	554	556
17	Cylinder-13	°C	548	547	546	546	547	548	555	556
18	Cylinder-15	°C	554	548	551	555	556	555	556	557
19	Cylinder-17	°C	546	545	546	546	550	552	555	556
20	Cylinder-19	°C	542	539	541	542	542	540	552	553
21	Stack Left @ ✓	°C	549	546	547	548	548	549	554	556
22	Cylinder-2	°C	544	542	546	544	546	546	550	551
23	Cylinder-4	°C	551	548	550	555	556	555	548	559
24	Cylinder-6	°C	557	550	551	555	555	556	550	552
25	Cylinder-8	°C	556	555	558	554	555	556	555	556
26	Cylinder-10	°C	552	550	551	552	548	548	550	551
27	Cylinder-12	°C	550	539	549	540	552	550	548	551
28	Cylinder-14	°C	552	542	551	552	550	552	550	552
29	Cylinder-16	°C	552	540	549	548	548	549	548	549
30	Cylinder-18	°C	542	539	541	542	547	546	540	546
31	Cylinder-20	°C	538	535	537	538	538	538	537	538
32	Air Restriction	Bar	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33	Manifold Temp.	°C	53.8	52.3	53.5	53.3	50.54	52.8	52.7	52.6
34	A/C in Temperature	°C	—	—	—	—	—	—	—	—
35	Bearing D.E.	°C	—	—	—	—	—	—	—	—
36	Bearing N.D.E	°C	—	—	—	—	—	—	—	—
37	J/W Out Temp.	°C	91	91	91	91	91	91	92	91
38	Ambient Temperature	°C	36	36	36	36	36	36	36	36
39	Gas pre. after regulator	PSI	5	—	—	—	—	—	—	—
40	Throttle Position	%	54.04	51.79	52.16	50.34	50.25	49.49	49.38	49.12
41	Winding Temp. -1	°C	—	—	/	—	—	—	—	/
42	Winding Temp. -2	°C	—	—	/	—	—	—	—	/
43	Winding Temp. -3	°C	—	—	/	—	—	—	—	/
Gen. Side										
1	Gen Set Load (GCP)	KW	934	836	848	830	778	740	806	801
2	Energy Meter	MKW	30699.9	30704.16	30701.85	30702.25	30703.51	30704.35	30704.91	30705.73
3	Gen Set Voltage	Volts	405	404	404	405	405	406	404	404
4	Gen Set Current	Amps.	1405	1255	1266	1225	1145	1090	1178	1152
5	Power Factor	Φ	0.95	0.95	0.96	0.95	0.97	0.97	0.97	0.96
6	Frequency	Hz	50.29	50.30	50.30	50.22	50.30	50.30	50.30	50.30
7	Main Sub-sation-1	KW	114	107	110	100	95	92	92	90
8	Main Sub-sation-2	KW	57	50	23	22	28	21	21	21
9	Main Sub-sation-3	KW	52	55	55	56	58	55	50	48
10	Dr. Rashid Hall S/s	KW	243	186	181	182	172	162	227	225
11	Nazrul Islam Hall (old) s/s	KW	89	87	91	92	75	67	89	88
12	Nazrul Islam Hall (New) s/s	KW	211	217	221	222	206	189	187	187
13	New Academic Build. s/s-1	KW	?	—	—	—	—	—	—	—
14	New Academic Build. s/s-2	KW	?	178	144	15	146	136	144	130
15	New Academic Build. s/s-3	KW	?	—	—	—	—	—	—	—

A-shift		B-shift			Cshift		
AE	AE	AE	AE	AE	AE	AE	AE
G.O	G.O	G.O	G.O	G.O	G.O	G.O	G.O

\*\*\*Remarks:-

Gen. Set no #03 previous shift running condition and ventilation fan no #01, 02 on position.

Manager (P.P)

\* GAZI Tank additive filling 20 LTR.

Log Sheet for G-3520c Gen Set of BUET Power plant.

Date 01/01/20

Gen Set no #02 (Two)

SL	Time	Hrs	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00
			Particulars (Engine Side)	Units						
1	Battery Voltage	V	27	27	27	27	27	27	27	27
2	Running Hours	SMU	31784	31785	31786	31787	31788	31789	31790	31791
3	Engine Speed	RPM	1515	1512	1521	1519	1516	1519	1510	1513
4	Lube Oil Pressure	Bar	440	442	443	436	429	419	401	409
5	J/W Coolant Temp.	°C	74	72	73	78	78	82	83	86
6	Engine Load	Amps	2018	1638	1774	2619	2916	3213	3316	3326
7	Air Inlet temperature	kpa	—	—	—	—	—	—	—	—
8	Air Inlet Pressure	Bar	10	10	10	30	40	50	50	60
9	Oil Filter Diff. Press.	Bar	09	09	09	09	09	09	09	09
10	Stack Right @	°C	467	472	472	454	459	453	452	453
11	Cylinder-1	°C	663	664	662	652	666	669	658	659
12	Cylinder-3	°C	664	664	662	651	663	663	657	659
13	Cylinder-5	°C	597	603	605	600	612	613	607	608
14	Cylinder-7	°C	622	648	646	638	630	631	649	649
15	Cylinder-9	°C	637	645	643	637	648	648	649	645
16	Cylinder-11	°C	621	620	627	623	634	635	631	632
17	Cylinder-13	°C	630	639	637	632	638	639	633	636
18	Cylinder-15	°C	621	633	631	629	633	634	627	627
19	Stack Left @	°C	486	482	485	477	487	482	480	481
20	Cylinder-2	°C	650	658	657	643	663	664	658	658
21	Cylinder-4	°C	660	668	666	658	673	674	669	669
22	Cylinder-6	°C	638	673	672	665	675	675	668	669
23	Cylinder-8	°C	640	642	641	639	651	652	649	648
24	Cylinder-10	°C	635	647	646	636	648	648	645	645
25	Cylinder-12	°C	641	640	638	631	641	642	638	638
26	Cylinder-14	°C	628	651	650	646	656	656	650	659
27	Cylinder-16	°C	628	637	636	631	640	641	637	638
28	Air Restriction left	Kpa	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29	Air Restriction Right	Kpa	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30	A/C in Temperature	°C	28	28	28	30	32	34	36	37
31	A/C out Temperature	°C	30	29	29	31	36	35	40	39
32	J/W Out Temp.	°C	48	46	48	50	50	52	56	56
33	J/W Out Temp.	°C	58	57	58	69	80	80	76	82
34	Ambient Temperature	°C	28	27	27	27	29	29	29	30
35	Gas pre. after regulator	PSI	/	—	—	—	—	—	—	—
	Gen. Side									
1	Gen Set Load (GCP)	KW	451	358	384	566	653	760	839	801
2	Energy Meter	MKW	14700.86	14701.34	14701.65	14702.11	14702.69	14703.49	14704.20	14704.
3	Gen Set Voltage	Volts	410	411	411	411	411	411	411	411
4	Gen Set Current	Amps.	690	570	637	803	910	1497	1023	1170
5	Power Factor	φ	0.95	0.92	0.92	0.92	0.92	0.91	0.91	0.91
6	Frequency	Hz	50.42	50.42	50.33	50.39	50.92	50.82	50.91	50.39
7	Main Sub-sation-1	KW	64	56	60	98	120	131	150	160
8	Main Sub-sation-2	KW	21	19	22	44	57	64	69	67
9	Main Sub-sation-3	KW	109	98	50	150	186	192	205	180
10	Dr. Rashid Hall S/s	KW	—	—	—	—	—	—	—	—
11	Nazrul Islam Hall (old) s/s	KW	45	42	45	47	43	41	46	43
12	Nazrul Islam Hall (New) s/s	KW	114	88	104	94	93	102	104	112
13	New Academic Build. s/s-1	KW	—	—	—	—	—	—	—	—
14	New Academic Build. s/s 2	KW	81	75	93	123	138	220	175	229
15	New Academic Build. s/s 3	KW	—	—	—	—	—	—	—	—
	A-shift									
AE		AE								
G.O		G.O								

\*\*\*Remarks:-

Log Sheet for G-3520c Gen Set of BUET Power plant.

Date..... 01.01.2018

Gen Set no #02 (Two)

SL	Time	Hrs	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	
Particulars (Engine Side)		Units									
1	Battery Voltage	V	27	27	27	27	27	27	27	27	
2	Running Hours	SMU	31792	31793	31794	31795	31796	31797	31798	31799	
3	Engine Speed	RPM	1504	1514	1502	1520	1515	1516	1516	1517	
4	Lube Oil Pressure	Bar	414	415	412	418	421	431	438	430	
5	J/W Coolant Temp.	°C	83	83	84	81	80	77	76	78	
6	Engine Load	Amps	3275	3336	3567	3036	2820	2638	2535	2595	
7	Air Inlet temperature	kpa	-	-	-	-	-	-	-	-	
8	Air Inlet Pressure	Bar	60	60	60	40	40	30	20	20	
9	Oil Filter Diff. Press.	Bar	09	09	09	09	09	09	09	09	
10	Stack Right @	°C	455	454	455	456	458	461	468	470	
11	Cylinder-1	°C	661	660	661	662	664	657	666	665	
12	Cylinder-3	°C	658	657	658	659	661	658	664	662	
13	Cylinder-5	°C	604	605	606	605	604	604	607	605	
14	Cylinder-7	°C	652	651	650	651	652	652	655	650	
15	Cylinder-9	°C	643	642	641	642	643	640	646	647	
16	Cylinder-11	°C	630	630	631	632	633	629	633	634	
17	Cylinder-13	°C	636	635	636	636	638	636	639	640	
18	Cylinder-15	°C	628	627	626	627	629	629	631	630	
19	Stack Left @	°C	484	483	484	485	486	484	491	490	
20	Cylinder-2	°C	657	656	656	657	658	656	662	661	
21	Cylinder-4	°C	668	667	668	669	670	665	670	670	
22	Cylinder-6	°C	670	668	669	670	671	669	674	672	
23	Cylinder-8	°C	648	647	646	647	648	645	649	650	
24	Cylinder-10	°C	645	644	643	644	645	643	648	647	
25	Cylinder-12	°C	636	635	636	637	638	635	641	641	
26	Cylinder-14	°C	651	650	650	651	652	650	652	652	
27	Cylinder-16	°C	627	626	627	628	629	640	643	644	
28	Air Restriction left	Kpa	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
29	Air Restriction Right	Kpa	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
30	A/C in Temperature	°C	36	36	36	34	34	32	34	34	
31	A/C out Temperature	°C	40	38	38	36	36	34	34	34	
32	J/W Out Temp.	°C	56	56	56	54	54	50	50	54	
33	J/W Out Temp.	°C	66	66	66	64	64	60	60	64	
34	Ambient Temperature	°C	32	32	32	32	32	30	30	30	
35	Gas pre. after regulator	PSI	/	/	/	/	/	/	/	/	
Gen. Side											
1	Gen Set Load (GCP)	KW	697	710	748	672	570	607	560	602	
2	Energy Meter	MKW	1470570	1470644	1470712	1470782	1470835	1470906	1470962	1471011	
3	Gen Set Voltage	Volts	412	412	412	413	413	413	410	410	
4	Gen Set Current	Amps.	1033	1044	1133	1030	940	963	884	890	
5	Power Factor	φ	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.94	
6	Frequency	Hz	50.66	50.37	50.29	50.24	50.35	50.31	50.01	50.10	
7	Main Sub-sation-1	KW	139	152	153	137	100	92	102	89	
8	Main Sub-sation-2	KW	57	57	55	54	42	39	39	36	
9	Main Sub-sation-3	KW	186	191	195	185	90	72	65	60	
10	Dr. Rashid Hall S/s	KW	-	-	-	-	-	-	-	-	
11	Nazrul Islam Hall (old) s/s	KW	52	56	42	45	70	65	60	65	
12	Nazrul Islam Hall (New) s/s	KW	119	116	101	121	155	160	168	166	
13	New Academic Build. s/s-1	KW	-	-	-	-	-	-	-	-	
14	New Academic Build. s/s 2	KW	126	120	184	112	95	161	120	130	
15	New Academic Build. s/s 3	KW	126	120	184	112	95	161	120	130	
A-shift		B-shift			C-shift						
AE	AE	<i>AE A2002</i>			AE						
G.O	G.O	<i>Januk Rkhan</i>			G.O						

\*\*\*Remarks:-

*Manz*

Shift:- C

## Log Sheet for G-3520c Gen Set of BUET Power plant.

Date..... 01-01-20

Gen Set no #02 (Two)

SL	Time	Hrs	22:10	23:10	24:10	01:00	02:10	03:10	04:10	05:10
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	27	27	27	27	27	27	27	27
2	Running Hours	SMU	31800	31801	31802	31803	31804	31805	31806	31807
3	Engine Speed	RPM	1516	1517	1516	1508	1511	1507	1509	1508
4	Lube Oil Pressure	Bar	135	137	141	143	146	149	147	148
5	J/W Coolant Temp.	°C	75	74	72	70	71	70	70	70
6	Engine Load	Amps	2348	2361	2070	2007	1820	1903	1780	1783
7	Air Inlet temperature	kpa	-	-	-	-	-	-	-	-
8	Air Inlet Pressure	Bar	20	20	10	10	10	10	10	10
9	Oil Filter Diff. Press.	Bar	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
10	Stack Right @	°C	778	771	774	779	785	781	786	783
11	Cylinder-1	°C	661	661	672	676	681	680	685	679
12	Cylinder-3	°C	666	669	674	677	683	681	685	681
13	Cylinder-5	°C	662	610	613	612	619	616	621	617
14	Cylinder-7	°C	659	659	662	664	666	662	662	662
15	Cylinder-9	°C	624	630	629	636	661	660	664	660
16	Cylinder-11	°C	625	636	637	631	642	649	643	632
17	Cylinder-13	°C	638	646	649	651	651	652	658	648
18	Cylinder-15	°C	632	651	643	645	650	648	635	648
19	Stack Left @	°C	734	707	497	496	498	497	498	496
20	Cylinder-2	°C	662	664	665	674	671	669	670	671
21	Cylinder-4	°C	668	672	678	681	681	686	689	688
22	Cylinder-6	°C	671	676	679	682	686	686	682	658
23	Cylinder-8	°C	646	650	652	654	659	658	668	661
24	Cylinder-10	°C	646	651	656	657	656	663	666	661
25	Cylinder-12	°C	641	648	649	648	656	652	658	653
26	Cylinder-14	°C	653	658	660	661	668	667	669	664
27	Cylinder-16	°C	642	688	652	650	659	658	656	653
28	Air Restriction left	Kpa	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29	Air Restriction Right	Kpa	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30	A/C in Temperature	°C	32	30	30	28	28	28	28	28
31	A/C out Temperature	°C	34	32	32	30	30	30	30	30
32	J/W Out Temp.	°C	54	48	48	46	46	48	48	48
33	J/W Out Temp.	°C	64	69	62	60	56	58	58	58
34	Ambient Temperature	°C	29	29	29	28	28	28	28	28
35	Gas pre. after regulator	PSI	-	-	-	-	-	-	-	-
	Gen. Side									
1	Gen Set Load (GCP)	KW	535	516	455	434	397	416	401	386
2	Energy Meter	MKW	14710.8	14711.33	14711.83	14712.02	14712.10	14713.16	14713.52	14713.9
3	Gen Set Voltage	Volts	411	408	410	408	408	408	408	407
4	Gen Set Current	Amps.	785	813	740	716	651	701	603	592
5	Power Factor	Φ	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94
6	Frequency	Hz	50.2	50.21	50.30	50.413	50.20	50.161	50.41	50.21
7	Main Sub-sation-1	KW	88	76	67	65	61	63	57	61
8	Main Sub-sation-2	KW	33	27	22	20	27	25	23	24
9	Main Sub-sation-3	KW	57	60	57	59	56	58	52	53
10	Dr. Rashid Hall S/s	KW	-	-	-	-	-	-	-	-
11	Nazrul Islam Hall (old) s/s	KW	64	64	54	50	49	47	40	44
12	Nazrul Islam Hall (New) s/s	KW	168	139	145	130	116	112	110	112
13	New Academic Build. s/s-1	KW	-	-	-	-	-	-	-	-
14	New Academic Build. s/s	KW	142	130	132	112	98	103	107	95
15	New Academic Build. s/s	KW	-	-	-	-	-	-	-	-
	A-shift									
E	AE									
O	G.O									

\*\*\*Remarks:-



Log Sheet for G-3520c Gen Set of BUET Power plant.

Date..... 02.01.18

Gen Set no #02 (Two)

SL	Time	Hrs	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00
	Particulars (Engine Side)	Units								
1	Battery Voltage	V	27	27	27	27	27	27	27	27
2	Running Hours	SMU	31808	31809	31810	31811	31812	31813	31814	31815
3	Engine Speed	RPM	1510	1511	1515	1502	1522	1512	1507	1509
4	Lube Oil Pressure	Bar	4.34	4.95	4.40	4.29	4.12	4.05	4.10	4.10
5	J/W Coolant Temp.	°C	77	73	75	81	84	85	84	84
6	Engine Load	Amps	2103	2180	2210	2216	3185	3210	3120	3105
7	Air Inlet temperature	kpa	-	-	-	-	-	-	-	-
8	Air Inlet Pressure	Bar	20	20	20	40	60	60	70	70
9	Oil Filter Diff. Press.	Bar	09	09	09	09	09	09	09	09
10	Stack Right @	°C	473	472	470	463	452	453	448	450
11	Cylinder-1	°C	668	662	661	670	658	658	663	662
12	Cylinder-3	°C	658	665	664	664	653	656	657	657
13	Cylinder-5	°C	606	605	610	610	601	604	609	605
14	Cylinder-7	°C	653	654	639	651	644	646	648	649
15	Cylinder-9	°C	650	652	650	645	639	639	642	641
16	Cylinder-11	°C	630	632	631	630	624	629	642	640
17	Cylinder-13	°C	645	642	641	645	633	634	646	647
18	Cylinder-15	°C	636	632	630	645	628	629	648	646
19	Stack Left @	°C	495	494	495	490	480	480	476	476
20	Cylinder-2	°C	664	662	660	664	654	656	662	661
21	Cylinder-4	°C	674	672	672	671	662	662	664	664
22	Cylinder-6	°C	676	674	675	678	665	666	668	668
23	Cylinder-8	°C	650	652	650	652	646	646	649	647
24	Cylinder-10	°C	650	652	650	648	691	691	642	640
25	Cylinder-12	°C	644	643	644	640	636	638	627	627
26	Cylinder-14	°C	655	654	654	654	645	646	636	635
27	Cylinder-16	°C	644	643	642	644	635	625	631	630
28	Air Restriction left	Kpa	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29	Air Restriction Right	Kpa	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30	A/C in Temperature	°C	28	28	28	32	34	34	34	34
31	A/C out Temperature	°C	30	30	30	34	38	38	38	38
32	J/W Out Temp.	°C	48	48	50	50	54	56	56	56
33	J/W Out Temp.	°C	58	58	60	60	64	66	66	70
34	Ambient Temperature	°C	28	28	28	28	28	28	28	29
35	Gas pre. after regulator	PSI	-	-	-	-	-	-	-	-
	Gen. Side									
1	Gen Set Load (GCP)	KW	470	342	404	610	695	709	822	733
2	Energy Meter	MKW	14744014744921471541	1471542147163814716931471738147185						
3	Gen Set Voltage	Volts	407	402	410	410	410	410	410	410
4	Gen Set Current	Amps.	720	759	810	886	930	1015	1176	1090
5	Power Factor	Φ	0.96	0.93	0.92	0.91	0.92	0.92	0.91	0.93
6	Frequency	Hz	50.40	50.23	50.40	50.01	50.44	50.11	50.52	50.5
7	Main Sub-sation-1	KW	72	50	76	104	134	133	155	146
8	Main Sub-sation-2	KW	22	20	23	42	63	59	60	54
9	Main Sub-sation-3	KW	118	115	115	160	200	210	222	200
10	Dr. Rashid Hall S/s	KW	-	-	-	-	-	-	-	-
11	Nazrul Islam Hall (old) s/s	KW	97	98	57	95	47	41	39	54
12	Nazrul Islam Hall (New) s/s	KW	107	87	97	97	105	110	102	125
13	New Academic Build. s/s-1	KW	-	-	-	-	-	-	-	-
14	New Academic Build. s/s	KW	106	92	920	102	131	141	225	13
15	New Academic Build. s/s	KW	-	-	-	-	-	-	-	-
	A-shift									
	AE	AE								
G.O	Jamik. Ahmed	G.O								

\*\*\*Remarks:-

Gen set no. # 02 (two). Lube oil solifrs added.

H.W = 14.3K