Current Drawn Status as on : 20/06/2018

A. The following changes have been done today (AAD/HVK/IMH) :

1. GWB Rack3 (5.6amps) moved to UPS2 from UPS1 (MCB-225)

2. GWB Rack4 (6.6amps) moved to UPS3 from UPS1 (MCB-311 extra added)

3. POCO+ racks (1.9amps) moved to UPS3 from UPS1 (MCB-312 extra added)

4. Tube lights(7.1amps) moved to raw power(MSEB) from UPS1.

B. After these changes, the current drawn status on UPS 1,2&3 is as follows in Amps;

	UPS1	UPS2	UPS3	Total
without correlator running	26.4	45.2	33.9	105.5
with correlator running$	50.5*	59.1	39.0	148.6
	DisplayBad	**74%**	**82%**	.

- $ This is the typical currnet under the mode "400MHz/16Kchannels/Full stokes" and current drawn may increase with other modes on UPS1 , 2 & 3.

- * - machines like raw data, spare GWB machines are in off condition (on UPS1).

Note : Earlier it has been observed, the currnet drawn from all the 3 UPS together was 167amps.

Current Drawn Status as on : 19/06/2018 (Before the changes done on 20th June 2018)

Note : MCB No. -- First/Second/Third Digits – UPS No./Row No. in MDB/MCB No. respectively.

With load : means the system(s) is being used for tests/observaions (correlation programs running).

MCB No.	Current w/o load	Current with load	Load connected to the MCB	Remarks.
UPS 1 : 20KVA(86.9Amps) 80%=69.5Amps(max.). But due to AC line filter max. 60Amps only				
UPS o/p	44.1	71.8		Max. 77amps(88%)
111	8.1	14.0	GWB Rack 1 : 5 m/c's & 4 ROACH	
112	5.9	11.6	GWB Rack 2 : 4 m/c's & 4 ROACH	On 20/06/2018
113	5.3	5.6	GWB Rack 3 : m/c's -5, s/w's, HDDs, Infini s/w, etc..	**Move to UPS2**
114	0.1	0.2	E.B. @ Opposite GWB racks spare..	
121	6.0	6.6	GWB Rack 4 : 5 m/c's,2Temp m/c's +	**Move to UPS3**
122	6.7	12.4	GWB Rack 5 : 4 m/c's & 4 ROACH	

123	5.9	11.5	GWB Rack 6 : 4 m/c's & 4 ROACH	
124	1.7	1.9	POCO(R720-1, R210-1,Roach-2, T620-1, Trig+Clk – 1 etc..	**Move to UPS3**
12a	7.1	7.3	Tube lights	**Move to raw power (MSEB)**

UPS 2 : 20KVA(86.9Amps) 80%=69.5Amps(max.). But due to AC line filter max. 60Amps only				
MCB No.	Current w/o load	Current with load	Load connected to the MCB	Remarks.
UPS o/p	39.7	46		Max. 55amps(64%)
211	5.0	7.7	GSB rack-2(EB3) : Compute Nodes 27 to 32 (6 nos)	
212	4.9	5.1	GSB rack-3(EB1) : Compute Nodes 36 to 42 (7 nos)	
213	4.2	5.9	GSB rack-2(EB1) : ADC Nodes 17 to 20 & S/W - 3nos	
214	2.0	2.1	GSB EXT 1 : GSB rack fans & HDD's – 2 nos.	
215	0.1	0.2	GSB EXT 2 : GSB rack fans & Tempr monitors	
216	2.5	2.6	EXT 26 : Nodes 52 to 54 and Casper Server m/c's – 3, corr. w/p m/c -1, Online m/c -1 nos, & .5 n/w eth S/W – no.	
217	1.4	1.5	EXT 27 : Spare	
218	0.1	0.2	Lamps : Lamps	
219				
21a	0.1	0.2		
21b	0.1	0.2	EXT 3 : Spare behind GSB racks..	
221	4.8	4.9	GSB rack-3(EB2) : Compute nodes 43 to 48 (6 nos)	
222	5.0	7.7	GSB rack-2(EB2) : Compute nodes 21 to 26 (6 nos)	
223	4.5	4.7	GSB rack-3(EB3) : Compute nodes 33 to 35 (3 nos) & s/w – 2 nos.	
224	0.1	0.2		
228	0.9	1.1	Lamps : ROW2(Bottom), MCB No. 8	

UPS 3 : 12.5KVA(54.3Amps) 80%=43.44Amps(max.)				
MCB No.	Current w/o load	Current with load	Load connected to the MCB	Remarks.
UPS o/p	27.0	27.4		Max. 35Amps(68%)
311	0.1	0.4	GSB EXT 1 : HDD's	
312	3.4	3.7	GSB rack-1(EB1) : ADC Nodes 1 to 7 and PPM/CLK unit – 1 and Distribution units -2 nos.	
313	3.6	3.9	GSB rack-1(EB2) : ADC Nodes 8 to 16 and one spare (10nos)	

314	1.5	1.6	EXT 2 : Node51, R210 PC monitor, gsbm5, gsbm6, HDDs and 5/12 volts P.S. - 1no.	
315	6.4	6.4	GSB rack-4(EB3) : Compute Nodes 49 & 50, s/w -1 andCITA4 to CITA7 and cat5 S/W-1no. N111, N112 and N114.	
316	2.5	2.7	GSB EXT 4 : gsbm1 to gsbm4, HDDs	
317	3.0	3.1	GSB rack-4(EB2) : N113, N115 to N118, CITA1 to CITA3	
318	3.5	3.5	GSB rack-4(EB1) : CITA4 to CITA7 and cat5 S/W-1no.	