

NATIONAL COUNCIL OF SCIENCE MUSEUMS, KOLKATA

Data for assessment of requirements of electricity and consumption of electricity in all units of NCSM

(Reference : No. 20-5/2018-A&A of Gol, MoC, Dated 30th January 2023)

Date : 27.02.2023

Sl. No.	Name of Science Centre/Unit	Type of Consumer	Sub-Station Capacity	Sanctioned Connected Electrical Load	Actual Connected Electrical Load	Contract Demand	Billing Demand	Actual Average Monthly Demand	Monthly Min. Consumption Criteria with Ele. Supply Authority, if any	Actual Avg. Consumption Per Month	Statutory Avg. PF Requirement, if any	Actual Avg. PF of the Centre/Unit	Remark
		(HV / LV)	(kVA)	(kW/kVA)	(kW)	(kVA/kW)	(kVA)	(kVA)	(kWh Units)	(kWh Units)			
1	National Council of Science Museums, Kolkata	HV	250	187	295	200	170 (85%)	142.76	NA	26665	NK	0.8137	* PF low than Statutory PF, hence PF SC @3% of kWh Energy Charges getting applied each month. PF needs to be improved. * Avg.115units/mth. From RTS plant exported * Tariff : E (A), DC @ 175/kVA
2	Regional Science Centre, Bhubaneshwar	HV Metering LV	250	N/A	95	120	96 (80%)	56.29	NA	9596	0.95	0.98	Trf. Installed in 2018 Tariff: Specified Public Purpose, DC @ 250/kVA Contract Demand can be reduced.
3	DHENKANAL SCIENCE CENTRE Dhenkanal - 759001 (Odisha)	HV	63	38	32	38kW	40	38	NA	2388	0.95	0.9296	Own Trf. 63kVA Tariff: Specified Public Purpose, DC @ 250/kVA
4	KAPILAS SCIENCE PARK Deogan, Dhenkanal - 759016 (Odisha)	HV	N/A	4	2	4	NK	2	NA	216	NK	0.9095	
5	Regional Science Centre, Guwahati	HT	N/A	100kW	100	118	118	48.48	NA	13547.67	0.95	0.9722	Tariff Cat. HT IV Bulk Supply (OTHERS), DC @ 20/kVA To be observed with New Blockload.
6	Science city, Kolkata (Educational)	HV	2900	800	N/A	941.18	800 (80%)	834.08	NA	147537	0.86 to 0.92	0.9448	Science Centre, Residential Tariff, DC @ 26/kVA (CL : 6517kW)
7	Science city, Kolkata (Commercial)	HV	1500	400	N/A	470.58	400 (80%)	377.48	NA	67158	0.86 to 0.92	0.9448	Convention Centre, Commercial Tariff, DC @ 34/kVA (CL : 3941kW)
8	Birla Industrial & Technological Museum, Kolkata	HV (6.6KV)	500	280	N/A	280 280	280	179.13	NK	33136	0.95	0.99	* 40 KW RTS plant, all units generated used by BITM and no export in network * DC @Rs.26/kVA only Contract Demand reduction can be considered.
9	Digha Science Center, Digha	LV	-	60	NA	62.52	NA	51.2	NA	9386	0.95	0.94	
10	North Bengal Science Center, Siliguri	LV	-	70	NA	80.56	NA	62.61	NA	9758	0.95	0.88	
11	District Science Center, Purulia	LV	-	60	NA	40	NA	31.74	NA	4056	0.95	0.94	
12	District Science Center, Burdwan	LV	-	60	NA	72	NA	55.8	NA	6454	0.95	0.9	
13	Srikrishna Science Center, Patna	HV	200	135	N/A	135	101.25 (75%)	93.87	NK	19332	0.95	0.67	*kVAh based billing, Tariff : HTS-I, DC @300/kVA *Own Trf. PP too low, needs to be improved.
14	Visvesvaraya Industrial and Technological Museum, Bangalore	HT	315	250	320	280	238 (85%)	176 ?	NA	30200	0.85	0.94	Tariff: 1HT2A1-N, DC @ 275/kVA CD reduction may be considered.
15	Regional Science Centre, Tirupati	HT	150	120	140	100	80 (80%)	60	NA	12800	0.85	0.92	kVAh billing, DC @475/kVA CD reduction may be considered.
16	District Science Centre, Gulbarga	LV	-	78	110	NA	NA	NA	N/A	4100	0.85	0.93	
17	District Science Centre, Tirunelveli	LV	-	100	120	NA	NA	NA	N/A	3830	0.85	0.91	
18	Regional Science Centre and Planetarium, Calicut	HT	200	111.07	160	125	93.75 (75%)	68.96	NA	13800	0.96	0.98	*Tariff : HT II (B) GENERAL, DC @ 500/kVA CD reduction may be considered.
19	Nehru Science Centre, Mumbai	HV	750	614.05	614	450	292.5 (65%)	292 ?	40000	50838	NA	0.991	* kVAh based billing Tariff : HT V A GV EDU & HO, DC @ 355/kVA
20	Raman Science Centre, Nagpur	HT	315	190	190	130	100^ (65%)^	78	NA	5678	NA	0.93	* kVAh based billing, Tariff :HT-II, DC @454/kVA ^ Billing Demand highest of (a) Actual recorded MD (b) 75% of highest MD during past 11 Mths (c) 65% of CD * 86.45kWp RTS Plant installed, avg.8934 units/Mths. (2022) used by the centre itself. CD reduction may be considered. Demand less due to RTS plant.
21	Regional Science Centre, Bhopal	HV	160	60	125	60	54 (90%)	42.13	3990	6354	0.9	0.91	Tariff : HV 3.2 A Non-Industrial, DC @ 337/kVA
22	Goa Science Centre, Panaji	LT	-	73.36	165	NA	NA	NA	NA	5200	NA	0.91	Tariff : LTD / Domestic, FC @ 20/kW only.
23	District Science Centre, Dharampur	LT	-	90	150	NA	NA	NA	NA	3390	NA	0.95	Trf. Of 200kVA rating,
24	National Science Centre, New Delhi	HT	750	625kVA	580	706	706 (100%)	295	NK	55932	0.85	0.9	Highest MD 408, Historical Highest MD 516 Tariff : Non-domestic HT, DC @ 250/kVA Contract Demand may be reduced.
25	Regional Science Centre, Lucknow	HV	250+500	315kW	750	370	262.5 (70%)	151	NK	26566	N/A	0.95	Tariff : HV1, DC @380/kVA, Highest MD 248 LPSC is getting applied in bills CD may be reduced.
26	Kurukshetra Panorama and Science Centre, Kurukshetra	HV	500	300kW	280	300	NK	116.31	NA	20893	NA	0.99	kVAh units based billing Tariff : HTS NDS
27	Palampur Science Centre, Palampur	HV	100	79.94kW	79.94kW	80	72 (90%)	14	NK	2697	NA	0.997	Tariff : NONCS Two Part, kVAh based billing CD is too high compared to actual Demand Reduction may be considered.

NA : Not Applicable,

N/A : Not Available,

NK : Not Known

Reduction may be considered.