

*Summary of ARR & Fees and
Charges for SLDC Filings*

Submitted by

SLDC

For

FY 2022-23

**OPTCL'S PROPOSAL FOR ARR & LEVY OF ANNUAL FEES & CHARGES FOR SLDC
FUNCTIONS FOR FY 2022-23**

1. The application for approval of Annual Revenue Requirement and Fees & Charges for SLDC for FY 2022-23 has been prepared by OPTCL in line with the provision mentioned in the CERC (Fees & Charges of RLDC & other related matters) Regulations, 2009, OERC (Fees & Charges of SLDC & other related matters) Regulations, 2010 and considering the following recommendation of the MOP Committee Report.
 - (a) SLDC is to be equipped suitably to play the pivotal role of an Independent System Operator (ISO).
 - (b) Power system operation is the core activity of LDCs. Efficient load dispatching also requires a deep understanding of Transmission, Generation and Distribution technology. In view of above, the executives shall be from electrical engineering discipline. Efforts need be made to supplement them with interdisciplinary learning and development.

Provision of CAPEX Plan

2. The Commission has approved the CAPEX expenditure plan amounting Rs. 717.99 lakh proposed by SLDC vide their order dated 23.03.2017 including construction of a new building having total cost of Rs. 450 lacs. Phasing of expenditure for the building was Rs.135.00 lacs during FY-2016-17 and Rs. 315.00 lacs during the FY-2017-18. On request of SLDC, the Commission has allowed shifting of the CAPEX plan implementation by one year i.e. during FY 2017-18 and 2018-19 in its order dated 22.03.2018 in case No. 78 of 2017.
3. Due to modification in plan and site, revised proposal of construction of new building of total estimate of Rs 34.35 Cr phased in next two years was submitted and the same was approved by the Commission vide letter No. DIR(T)-351/08/112 dated 19.01.2021.
4. The Commission vide letter No. DIR(T)-351/08/1520 dated 27.10.2017 have approved Rs. 309.105 lakhs towards up-gradation and expansion of existing VPS, procurement & commissioning of RVDU at Jayanagr for Machhakund data and procurement of furniture. All works have been completed.
5. The Commission has approved, vide letter No. DIR(T)-351/08/1288 dated 10.09.2019, capex plan of Rs. 27.72 lakhs towards procurement & installation of 16 numbers of AC machines and computers & peripherals. Vide letter No. DIR(T)-351/08/1298 dated 16.11.2020, the Commission has approved 21.0 lakhs for procurement and installation of firewall device at SLDC. The works have been completed.
6. The Commission vide its letter No. DIR(T)-351/08/112 dated 19.01.2021 has approved the following capital expenses:

- (i) Rs. 1.78 lakhs for procurement & installation of Poly studio with expansion Microphone which has been procured.
- (ii) Rs. 7.1928 lakhs for procurement of 12 nos. Acer intel core i5 14 inch Laptops which have been procured.
- (iii) Rs. 11.90838 lakhs for license renewal of Maintenance and Support (M&S) contract of PSS/E user licenses of SLDC. The PSS/E user licenses of SLDC have been renewed.
- (iv) Rs. 3435.15895 lakhs for construction of new (G+5) building with total built up area of 63559.2 Sq.ft.

7. The status of CAPEX is enclosed herewith as Annexure-I

Organizational structure and their Functions

8. OPTCL submitted that the man power structure given in the ARR is in line with the approved structure by the Government of Odisha. Total 67 nos. of executives / non-executives shall be deployed at SLDC. Details of staffing are included in at Annexure-II.

Item wise Annual Revenue Requirement for SLDC operation as proposed by OPTCL for FY 2022-23

9. As per the OERC (Fees and Charges of State Load Despatch Centre and other related matters) Regulations, 2010 the annual charges consist of the following components:

- a. Return on Equity
- b. Interest on Loan Capital
- c. Depreciation
- d. Operation & Maintenance Expenses Excluding Human Resource expenses
- e. Human Resource Expenses
- f. Interest on Working Capital

a. Return on Equity and (b) Interest on loan capital:

Since no equity has been invested by SLDC and there is no outstanding loan on SLDC, item (a) and (b) are not considered in the ARR.

c. Depreciation:

Depreciation for the assets in the Unified Load Despatch Center and offices in SLDC has been computed as Rs. 81.183 lacs as per CERC Regulation. The major amount of depreciation charges is for recovering the depreciation cost for the upgraded & enhanced VPS (costing Rs 166.53 lacs) amounting Rs 24.979 lacs. Further, depreciation charges for

recovering the depreciation cost of laptops, computers & peripherals for SLDC data centre and office amounting Rs. 44.24 lacs. Total depreciation amount is provided in table below.

Table – 1: Statement of Depreciation (in Rs. Lacs)

Financial Year	2020-21	2021-22	2022-23
1	2	3	4
Recovery of Capital Cost (Amount to be recovered during the year)	0.000	0.000	0.000
Depreciation on existing assets	38.388	71.298	81.183
TOTAL	38.388	71.298	81.183

d. Operation and Maintenance Expenses:

Operation and maintenance expenses excluding human resources expenses for FY 2022-23 has been computed as **Rs. 341.65 lacs** considering the R&M expenditure proposed to be incurred for Facility Management Services (FMS), Website charges, IT equipment and Electrical maintenance of office building and colony quarters etc and A&G expenses. The O & M expenses have been projected considering actual expenditure to be incurred during FY 2022-23.

Table – 2: Statement of O&M Expenses Excluding Human Resource Expenses

(in Rs. Lacs)

SL No	ITEMS	Form No	2020-21 (Actual)	2021-22 (Approved)	2021-22 (Actual up to Sept.-21)	2022-23 (Proposed)
1	2	3	4	5	6	7
1	Repairs and maintenance expenses	7-C	83.490	56.996	13.450	153.450
2	Administrative and general expenses, etc	7-D	99.964	124.240	45.677	188.200
	Total		183.454	181.236	59.127	341.650

e. Human Resources Expenses:

Human resources expenses have been computed as Rs. **974.107** lacs considering the existing employees including 4 numbers of Telecommunication personnel working at SLDC control centre. In addition, salary for 14 contractual/outsourcing staffs has been considered. Payment of 50% arrear amounting Rs. **47.54** lakhs on implementation of 7th Pay commission report has also been considered.

Certificate of LDC Personnel:

The committee on “Manpower, Certification and Incentives for System Operation and Ring fencing Load Despatch Centres” recommended compensation structure, innovative incentive schemes for higher learning and monetary incentives based on the ratings of the employees. For imparting training to the executives, the expenditure for Training & Certification of LDC personnel has been projected as Rs **20.0** lacs for FY 2022-23.

f. Interest on Working Capital:

The interest on working capital (amounting Rs **348.451**) is computed as **Rs. 35.89 lacs** as per OERC Regulation considering 10.30 % rate of interest (SBI base rate 7.30 % plus 300 basis points). Even though SLDC has not taken loan to meet the working expenses, the provision has been kept due to non-receipt of SLDC charges from the user for two months from the commencement of financial year. The loss of interest for the above amount is being recovered as interest on working capital. The details on working capital requirement and interest on it is given in table–3 below.

Table – 3: Statement of Interest on Working Capital

(in Rs. Lacs)

Sl. No.	Particulars	Amount Lacs
1	2	3
1	O & M expenses for one month excluding human resource expenses(7-A)	28.471
2	Human resource expenses for one month (7-B4)	81.176
3	Receivables (2 months of SOC & MOC)	238.805
4	Total Working Capital	348.451
5	Rate of Interest	10.30%
6	Interest on Working Capital	35.890

Total ARR proposed for FY 2022-23 is given in table – 4 below.

Table – 4: ARR Proposed for FY 2022-23

(in Rs. Lacs)

Sl. No.	Particulars	2022-23
1	Return on Equity	0.000
2	Interest on Loan Capital	0.000
3	Depreciation	81.183
4.	O&M Expenses excluding human resource expenses	341.650
5.	Human Resource expenses	974.107
6.	Interest on Working Capital	35.890
	Total expenses	1432.830

SLDC Assets:

10. Most of the assets of SLDC along with sub-SLDC have been identified for transfer as per the direction of Hon'ble Commission.

Determination of Annual Charges for SLDC:

11. The Annual Charges for SLDC have been computed as per provision in Regulation 17, 18, 19, 20, 21 & 22 of OERC Regulation as detailed below:

Annual charges: Annual charges computed shall comprise of

- a) **System Operation Charges (SOC)** i.e. 80% of Annual charge
- b) **Market Operation Charges (MOC)** i.e. 20% of Annual charge

- **System Operation Charges (SOC)** shall be collected from the users in the following ratio

- Intra State Transmission Licensee - 10% on the basis of Ckt-KMs
- Generating Company & Seller - 45% on the basis of installed capacity
- Distribution Licensee and Buyers - 45% on the basis of allocation

- **Market Operation Charges (MOC)** shall be collected from the users in the following ratio

- Generating Company & Seller - 50% on the basis of installed capacity
- Distribution Licensee and Buyers - 50% on the basis of allocation

- As per the proposed maintenance program, the installed capacity of OHPC stations has been considered as 1679 MW as per the availability projection made by OHPC considering the R&M programme. (Annexure –III)
- For the purpose of determination of the above charges for CGPs, the maximum MW scheduled during April to October 2021 has been considered.
- In the absence of approved injection schedule for some of the CGPs during FY 2021-22 (up to October 2021), the approved schedule quantum for previous year has been considered.
- Further, it has been proposed to collect SLDC charges from industries which are importing power through inter-state open access only for the month of their transaction basing on the maximum scheduled quantum.

Table – 5: Abstract of Collection of SLDC Charges Proposed for FY 2022-23

	(in Rs. lacs)
Annual charges (AFC)	1432.830
System Operation Charges (SOC) (80% of the AFC)	1146.264
Intra State Transmission Licensee @10% of SOC	114.626
Generating Station & Sellers @45% of SOC	515.819
Distribution Licensees & Buyers@45% of SOC	515.819
Market Operation Charges (MOC) (20% of the AFC)	286.566
Generating Station & Sellers @50% of MOC	143.283
Distribution Licensees & Buyers@50% of MOC	143.283

Registration Fee:

12. Besides the above charges, provision for collection of registration fee @ Rs1.00 lac from all users has been made as per OERC Regulation.

Application Fee and Scheduling Charges:

13. Application fee and scheduling charges shall be paid by the short term open access customers as per the OERC (Terms and Conditions of Intra-State Open Access) Regulations, 2020.

Under Recovery of SOC & MOC

14. Due to non-remittance of dues by M/s Nilachal Ispat Nigam Limited (NINL), the SOC & MOC charges amounting **Rs. 6,189/-** could not recovered by SLDC during FY 2020-21. Further, the above CGP has not remitted the SLDC dues amounting **Rs.23,310/-** for the current FY 2021-22 till October-2021 and it is apprehended that for the balance period of the current financial year M/s NINL will not remit the SLDC charges. The outstanding dues against M/s NINL for **FY 2021-22** will amount to **Rs. 39,564/-**. So, the total outstanding dues of M/s NINL for FY 2020-21 & FY2021-22 will be **Rs. 45,753/-**. SLDC requests the Commission to allow SLDC to collect this under recovered amount of **Rs. 45,753/-** along with the Annual Revenue Requirement of **Rs.1432.830** lacs for FY 2022-23 from the users.

Prayer

Considering the submission made above, OPTCL prays Hon'ble Commission to approve the Annual Revenue Requirement of Rs. **1432.830 lacs** for FY 2022-23 and the unrecovered amount of **Rs. 45,753/-** towards State Load Dispatch Centre (SLDC) function separately and kindly allow recovering the same from the users.

Proposed Levy and Collection of Fees and Charges by OPTCL for SLDC operation for FY 2022-23

LEVY AND COLLECTION OF FEES & CHARGES (Rs. in Lacs)

Annual charges	1432.830
Total Cost (Annual Fixed Cost)	1432.830
System Operation Charges (SOC) (80% of the AFC)	1146.264
Market Operation Charges (MOC) (20% of the AFC)	286.566
System Operation Charges (SOC)	1146.264
Intra State Transmission Licensee @10% of SOC	114.626
Generating Station & Sellers @45% of SOC	515.819
Distribution Licensees & Buyers@45% of SOC	515.819
(a) Intra State Transmission Licensee (SOC per month)	9.552
(b) Generating Station & Sellers @45% of SOC	515.819

(Rs. in Lacs)

Sl. No.	Generating Company / Sellers	Installed Capacity (MW)	Total amount	Total amount
			(Annual)	(Monthly)
A	State Generating Station			
1	OHPC	1679.00	140.424	11.702
2	OPGC Stage-I	420.00	35.127	2.927
3	OPGC Stage-II	1320.00	110.399	9.200
B	Small Hydro & Bio-mass			
4	OPCL (Small Hydro)	20.00	1.673	0.139
5	Meenakshi Power Ltd. (Small Hydro)	37.00	3.095	0.258
6	Shalivahana Green Energy Ltd	20.00	1.673	0.139
7	Baitarani Power Project Pvt. Ltd(Small Hydro)	24.00	2.007	0.167
8	Saptadhara SHEP	18.00	1.505	0.125
C	IPP			
9	GMR, Kamalanga	350.00	29.273	2.439
10	Vedanta Limited (IPP)	600.00	50.181	4.182
11	NBVL (IPP)	60.00	5.018	0.418
D	CGPs	Maximum Scheduled (MW) (up to end of October-2020)		
12	Aarti Steel Ltd	48.80	4.081	0.340
13	Aditya Aluminium Limited	30.00	2.509	0.209
14	Aryan Ispat & Power Pvt. Ltd.	7.2	0.602	0.050
15	Bhubaneswar Power Pvt. Ltd.	120.00	10.036	0.836
16	Bhusan Power & Steel Ltd.,Jharsuguda	142.00	11.876	0.990
17	Tata Steel BSL Limited, Meramundali	66.53	5.564	0.464
18	ESSAR Power (Orissa) Ltd.	25.20	2.108	0.176
19	FACOR Power Ltd.	10.00	0.836	0.070

20	HINDALCO	16.08	1.345	0.112
21	IFFCO	10.00	0.836	0.070
22	IMFA	45.57	3.811	0.318
23	Jindal Stainless Limited, Duburi	24.20	2.024	0.169
24	Jindal Steel & Power Ltd., Angul	143.26	11.982	0.998
25	MGM Minerals Ltd.	4.00	0.335	0.028
26	NALCO, Angul	54.00	4.516	0.376
27	Narbheram Power & Steel (P) Ltd	3.00	0.251	0.021
28	Nava Bharat Ventures Limited	36.80	3.078	0.256
29	Dalmia Cement (Bharat) Ltd. [OCL]	29.10	2.434	0.203
30	Pattanaik Steel & Alloys Limited	2.00	0.167	0.014
31	RSP	4.00	0.335	0.028
32	Rungta Mines	3.50	0.293	0.024
33	Shree Ganesh Metalicks Limited	12.00	1.004	0.084
34	Shyam Metalicks & Energy Limited	1.00	0.084	0.007
35	SMC Power generation	4.00	0.335	0.028
36	Tata Steel Long Product Limited (TSIL)	19.00	1.589	0.132
37	Vedanta Limited (Jharsuguda)	270.00	22.582	1.882
38	Vedanta Limited (Lanjigarh)	5.00	0.418	0.035
39	VISA Steel Limited	25.00	2.091	0.174
40	Yazdani Steel & Power Limited	2.00	0.167	0.014
41	Viraj Steel and Energy Pvt.Ltd	6.70	0.560	0.047
	Solar Projects	Installed Capacity (MW)		
42	ACME, Odisha	25.00	1.986	0.166
43	AFTAB Solar	5.00	0.397	0.033
44	BEL SOLAR	7.50	0.596	0.050
45	GEDCOL	20.00	1.589	0.132
46	M/s Raajratna Energy Holdings Pvt.Ltd	1.00	0.084	0.007
47	M/s. S. N. Mohanty	1.00	0.084	0.007
48	MGM Green Energy Ltd.	1.00	0.084	0.007
49	M/s Molisati Vinimay Pvt.Ltd.	1.00	0.084	0.007
50	M/s Jay Iron and Steel Ltd.	1.00	0.084	0.007
51	M/s Abacus Holdings Pvt. Ltd	1.00	0.084	0.007
52	M/s Shri Mahavir Ferro Alloys Pvt. Ltd.	1.00	0.084	0.007
53	M/s Vivacity Renewable Energy Pvt. Ltd.	1.00	0.084	0.007
54	Alex Green Energy Ltd.	5.00	0.418	0.035
55	M/s Jyoti Solar Solutions Pvt.Ltd.	10.00	0.836	0.070
56	M/s Sadipali IBP solar Pvt.Ltd.	20.00	1.673	0.139
57	M/s Dakshin Odisha Urja Pvt.Ltd.	40.00	3.345	0.279
58	M/s Vento Power & Energy Ltd. KESHINGA1	40.00	3.345	0.279

59	M/s Vento Power Pvt. Ltd. KESHINGA-2	40.00	3.345	0.279
60	M/s Vento Power Infra Pvt.Ltd. TUSURA -1	40.00	3.345	0.279
61	M/s Vento Energy Infra Pvt.Ltd. TUSURA-2	40.00	3.345	0.279
62	M/s Vento Power Projects Pvt.Ltd. TENTULIKHUNT	40.00	3.345	0.279
63	ABRL,Saintala	25.00	2.091	0.174
64	ABRL, Bouda	25.00	2.091	0.174
65	ABRL, Bargarh New	25.00	2.091	0.174
66	MCL, Burla	2.00	0.167	0.014
67	IMFA Solasr, Theruvali	4.50	0.376	0.031
68	OCL,Dalmiya cement, Salepur	2.50	0.209	0.017
69	J K PAPER, Theruvali	25.00	2.091	0.174
	Total	6167.44	515.819	42.985
(c)	Distribution Licensees & Buyers @45% of SOC		515.819	
		% share		
70	TPCODL	33.33	171.922	14.327
71	TPNODL	21.10	108.838	9.070
72	TPWODL	30.86	159.182	13.265
73	TPSODL	14.71	75.877	6.323
	Total	100	515.819	42.985

Market Operation Charges (MOC) 286.566
(a) Generating Company @50% of MOC 143.283

(Rs. in Lacs)

Sl. No.	Generating Company / Sellers	Installed Capacity (MW)	Total amount	Total amount
			(Annual)	(Monthly)
A	State Generating Station			
1	OHPC	1679.00	37.007	3.251
2	OPGC Stage-I	420.00	9.758	0.813
3	OPGC Stage-II	1320.00	30.666	2.556
B	Small Hydro & Bio-mass			
4	OPCL (Small Hydro)	20.00	0.465	0.039
5	Meenakshi Power Ltd. (Small Hydro)	37.00	0.860	0.072
6	Shalivahana Green Energy Ltd	20.00	0.465	0.039
7	Baitarani Power Project Pvt. Ltd(Small Hydro)	24.00	0.558	0.046
8	Saptadhara SHEP	18.00	0.418	0.035

C	IPP			
9	GMR, Kamalanga	350.00	8.131	0.678
10	Vedanta Limited (IPP)	600.00	13.939	1.162
11	NBVL (IPP)	60.00	1.394	0.116
D	CGPs	Maximum Scheduled (MW) (up to end of October-2020)		
12	Aarti Steel Ltd	48.80	1.134	0.094
13	Aditya Aluminium Limited	30.00	0.697	0.058
14	Aryan Ispat & Power Pvt. Ltd.	7.20	0.167	0.014
15	Bhubaneswar Power Pvt. Ltd.	120.00	2.788	0.232
16	Bhusan Power & Steel Ltd.,Jharsuguda	142.00	3.299	0.275
17	Tata Steel BSL Limited, Meramundali	66.53	1.546	0.129
18	ESSAR Power (Orissa) Ltd.	25.20	0.585	0.049
19	FACOR Power Ltd.	10.00	0.232	0.019
20	HINDALCO	16.08	0.374	0.031
21	IFFCO	10.00	0.232	0.019
22	IMFA	45.57	1.059	0.088
23	Jindal Stainless Limited, Duburi	24.20	0.562	0.047
24	Jindal Steel & Power Ltd., Angul	143.26	3.328	0.277
25	MGM Minerals Ltd.	4.00	0.093	0.008
26	NALCO, Angul	54.00	1.255	0.105
27	Narbheram Power & Steel (P) Ltd	3.00	0.070	0.006
28	Nava Bharat Ventures Limited	36.80	0.855	0.071
29	Dalmia Cement (Bharat) Ltd. [OCL]	29.10	0.676	0.056
30	Pattanaik Steel & Alloys Limited	2.00	0.046	0.004
31	RSP	4.00	0.093	0.008
32	Rungta Mines	3.50	0.081	0.007
33	Shree Ganesh Metalicks Limited	12.00	0.279	0.023
34	Shyam Metalicks & Energy Limited	1.00	0.023	0.002
35	SMC Power generation	4.00	0.093	0.008
36	Tata Steel Long Product Limited (TSIL)	19.00	0.441	0.037
37	Vedanta Limited (Jharsuguda)	270.00	6.273	0.523
38	Vedanta Limited (Lanjigarh)	5.00	0.116	0.010
39	VISA Steel Limited	25.00	0.581	0.048
40	Yazdani Steel & Power Limited	2.00	0.046	0.004
41	Viraj Steel and Energy Pvt. Ltd.	6.70	0.156	0.013
	Solar Projects	Installed Capacity (MW)		
42	ACME, Odisha	25.00	0.581	0.048

43	AFTAB Solar	5.00	0.116	0.010
44	BEL SOLAR	7.50	0.174	0.015
45	GEDCOL	20.00	0.465	0.039
46	M/s Raajratna Energy Holdings Pvt.Ltd	1.00	0.023	0.002
47	M/s. S. N. Mohanty	1.00	0.023	0.002
48	MGM Green Energy Ltd.	1.00	0.023	0.002
49	M/s Molisati Vinimay Pvt.Ltd.	1.00	0.023	0.002
50	M/s Jay Iron and Steel Ltd.	1.00	0.023	0.002
51	M/s Abacus Holdings Pvt. Ltd	1.00	0.023	0.002
52	M/s Shri Mahavir Ferro Alloys Pvt. Ltd.	1.00	0.023	0.002
53	M/s Vivacity Renewable Energy Pvt. Ltd.	1.00	0.023	0.002
54	Alex Green Energy Ltd.	5.00	0.116	0.010
55	M/s Jyoti Solar Solutions Pvt.Ltd.	10.00	0.232	0.019
56	M/s Sadipali IBP solar Pvt.Ltd.	20.00	0.465	0.039
57	M/s Dakshin Odisha Urja Pvt.Ltd.	40.00	0.929	0.077
58	M/s Vento Power & Energy Ltd. KESHINGA1	40.00	0.929	0.077
59	M/s Vento Power Pvt. Ltd. KESHINGA-2	40.00	0.929	0.077
60	M/s Vento Power Infra Pvt.Ltd. TUSURA -1	40.00	0.929	0.077
61	M/s Vento Energy Infra Pvt.Ltd. TUSURA-2	40.00	0.929	0.077
62	M/s Vento Power Projects Pvt.Ltd. TENTULIKHUNT	40.00	0.929	0.077
63	ABRL,Saintala	25.00	0.581	0.048
64	ABRL, Bouda	25.00	0.581	0.048
65	ABRL, Bargarh New	25.00	0.581	0.048
66	MCL, Burla	2.00	0.046	0.004
67	IMFA Solasr, Theruvali	4.50	0.105	0.009
68	OCL,Dalmiya cement, Salepur	2.50	0.058	0.005
69	J K PAPER, Theruvali	25.00	0.581	0.048
	Total	6167.44	143.283	11.940

(c) **Distribution Licensees & Buyers**

@50% of MOC

143.283

% share

70	CESU	33.33	47.756	3.980
71	NESCO	21.10	30.233	2.519
72	WESCO	30.86	44.217	3.685
73	SOUTHCO	14.71	21.077	1.756
	Total	100	143.283	11.940

Annexure-I

DETAILS OF CAPITAL EXPENDITURE APPROVED & STATUS

TABLE-1

Approved vide OERC Order dated 23.03.2017 in Case No. 47 of 2016 and order dated 22.03.2018 in Case No. 78 of 2017

Sl. No.	Item	Quantity	Amount Approved	Fig in Lacs				Expenditure Incurred	Remarks
				FY 2017-18	FY 2018-19	FY 2020-21	FY 2021-22		
1	Construction of New Building (excluding interiors) adjacent to the existing building at SLDC, Bhubaneswar for accommodation of staff (The detailed estimate furnished by IDCO is enclosed, 30% of estimated cost is to be paid to IDCO as advance to take up the work) Revised estimate for Rs. 34.35 Crores has been sent to OERC for approval.	LS	450.00	135.00	315.00			6.040	Expenditure for approving plan by BMC.
2	Procurement of computer & Peripherals for SLDC Data Centre	LS	222.00	222.00					*See Item 3, Table-2
3	Procurement of computer & Peripherals, Laptops along with MS Office for use at SLDC. (Desktop=12nos, Laptops=12 nos., Printer = 2 nos)	26 nos	18.50	18.50	-			17.037	Assets acquired
4	Procurement of computer tables for use at EASSC	10	1.02	1.02	-			1.018	Assets acquired
5	0.5 kVA UPS for office desktop PC	12	0.222	0.222	-			1.272	Assets acquired
	6.0 kVA UPS for EASSC	1	1.050	1.050	-				
6	Software for countering the cyber attacks	1	20.00	20.00	-				Not Procured
7	Colour Scanner	2 no.	0.20	0.20	-				Not Procured
8	Furnitures & Fixtures for use of office staffs	LS	5.00	5.00	-			4.995	Assets acquired
TOTAL			717.99	402.99	315.00			30.36	

TABLE-2

Approved vide letter DIR (T)-351/08/1520 dated 27.10.2017

Sl. No.	Item	Quantity	Amount	Fig in Lacs				Expenditure Incurred	Remarks
				FY 2017-18	FY 2018-19				
1	Remote Visual Display Unit for Machhakund	1	13.36573	13.36573	-			12.714	Assets acquired
2	Furnitures & Fixtures for use of office staffs	LS	6.05000	6.05000	-			5.580	* Assets acquired
3	Procurement of computer & Peripherals for SLDC Data Centre (Additional items)	LS	22.570060	22.570060				244.570	Assets acquired
4	Expansion of Visual Pojection System (VPS)	1	160.73000	160.73000				166.52900	Work completed. The AMC work order will to be awarded after expiry of 2 years warranty period i.e. January 2022
5	Upgradation of Visual Pojection System (VPS)	1	106.39000	106.39000					
TOTAL			309.10579	309.10579	0.00			429.39	

TABLE-3

Approved vide letter No. DIR(T)-351/08/1288 dated 10.09.2019.

1	Procurement & Installation of AC machines in SLDC control room	16 no.	12.00	-	-			8.50	Assets acquired during FY 2019-20
2	Procurement of computer and peripherals for SLDC control room & office	-	15.72	-	-			15.72	Assets acquired during FY 2019-20
TOTAL			27.72	0.00	0.00			24.22	

TABLE-4

Approved vide letter No. DIR(T)-351/08/1298 dated 16.11.2020.

1	Procurement & Installation of Firewall device at SLDC	01 no.	21.00	-	-			18.34	Assets acquired during FY 2021-22
TOTAL			21.00	0.00	0.00			18.34	

TABLE-5

Approved vide letter No. DIR(T)-351/08/112 dated 19.01.2021.

1	Procurement & Installation of Poly studio with expansion Microphone	01 no.	1.78	-	-			1.78	Assets acquired during FY 2021-22
2	Acer intel core i5 14 inch Laptop	12 nos.	7.19					7.19	Assets acquired during FY 2021-22
3	License renewal of Maintenance and Support (M&S) contract of PSS/E user licenses of SLDC	2 nos.	11.91					11.03	The PSS/E user licenses of SLDC have been renewed
4	Construction of New (G+5) Building with total built up area of 63559.2 Sq.ft.	01 no.	3435.16						The building plan submitted by the architect has been approved and the tendering work is under progress.
TOTAL			3456.04	0.00	0.00			20.00	

Annexure – II

Position wise Role & Responsibilities proposed

1. Chief Load Dispatcher

The SLDC function shall be headed by a Chief Load Dispatcher in the rank of a Director. He shall be assisted by two Sr. Load Dispatchers one in the rank of CGM and the other in the rank of Sr. GM for conducting the real time grid operation / support services and commercial activities respectively. For technical assistance one Executive Assistant in the rank of DGM and one no. of Sr. Private Secretary shall be attached to the Chief Load Dispatcher. All technical function Heads shall be reporting to their respective Sr. Load Dispatchers. The position wise role and responsibility are detailed in the tables.

2. Grid Operation headed by CGM (Grid Operation)

The details of manpower and functions under CGM (Grid Operation) are given in the table below. For technical assistance one Executive Assistant in the rank of Dy. Manager and one no. of Private Secretary shall be attached to the C.G.M.

Work	Function	Manpower
A. Real time operation headed by GM(Elect), Operation:		
1.1 Real Time Operation	Generation Despatch <ul style="list-style-type: none">• Real time generation dispatch as per merit• Scheduling revisions Transmission Despatch <ul style="list-style-type: none">• Network monitoring and control• Congestion management• Voltage & VAr control	1 No DGM (E) SLDC – 4 groups 5 Nos. of Executives in each group consisting of 1 No. AGM (E) 1 No. Manager (E) 1 No. Dy. Manager (E) 1 No. Asst. Manager (E) 1 No. AM(T) Total-21 nos.
Operational Planning	<ul style="list-style-type: none">• Operational System Analysis• Shutdown planning• Operational report preparation• Management of data base• Transmission / Generation availability Monitoring• EMS	1 No. D.G.M. (E) 1 Nos of Dy. Manager (E) Total-2 nos.
SCADA/EMS Group	<ul style="list-style-type: none">• Monitoring of communication link availability such as Optical Fiber, MW, PLCC etc.(to be maintained by STU)• Monitoring of RTU availability in	1 No. DGM(T) 2 Nos. Dy. Manager(T) Total - 3 nos.

Work	Function	Manpower
	coordination with STU Telecom Dept. <ul style="list-style-type: none"> • SCADA System (hardware) maintenance. • To develop suitable MIS for grid monitoring. • Maintaining Historical database. • Interface with ULDC project. • To build up accounting oriented information system. • Co-ordination with all Sub-SLDCs 	
B. Operation Services, MIS & Regulatory Affairs headed by G.M.(Elect). (OS, MIS& RA)		
Operation Services Group	<ul style="list-style-type: none"> • Demand forecast- Short term (Day ahead & Month ahead) • Day ahead scheduling of generation and optimization, in coordination with the State generators, ISGS allotment and neighboring utilities such as CGP, DISCOMs, etc. • Scheduling of drawl of DISCOMs • Maintenance of Historical data and database. • Short term transaction (Open Access) coordination with traders • Off-line load flow study for outage planning and real time operation • Network Security and disturbance Analysis • Protection coordination • Implementation plan for intra state ABT 	1 No DGM (E) 1 No AGM (E) 1 No. Manager (E) 4 No A.M. (E) Total- 7 nos.
MIS & RA	<ul style="list-style-type: none"> • Data Archiving & Management report preparation • System Study • Incident Reporting & Disturbance Analysis • Meetings • Technical Library • OERC Reporting • ARR • Regulation and Regulatory matters 	
LEGAL	<ul style="list-style-type: none"> • All legal matters 	1 No. Dy. Manager(Legal)

3. Commercial Group headed by Sr. General Manager (Commercial)

The details of manpower and functions under Sr. General Manager (Commercial)) are given in the table below.

Work	Function	Manpower
-------------	-----------------	-----------------

Work	Function	Manpower
Commercial, TS & C & M shall be headed by GM(Elect):		
Commercial Group	<ul style="list-style-type: none"> • Reviewing Long term contracts and Short term contracts • Energy meter data collection & compilation • Review of metering arrangement for Short-term contracts. • Development of Billing & Settlement procedures and keeping of accounts of energy transacted. • Preparation of UI bill for intra state utilities in case of implementation of Intra state ABT. • Preparation of State Energy Accounting and Bills for State Distribution Utilities. 	1 No AGM (E) 2 Nos Managers (E) 2 Nos Dy. Manager (E) 3 Nos A.M. (E) Total - 08 nos.
Technical Services / Contract & Material Management Group	<ul style="list-style-type: none"> • AC/DC auxiliary supply • Diesel generator operation and maintenance • UPS, battery / charger maintenance • Safety • Civil works maintenance. • Air conditioning plant maintenance. • Award of contract and contract execution • Material management and maintenance of stores. 	1 No D.G.M. (E)

4. SUPPORT SERVICES FOR SLDC UNDER DIRECTOR, SLDC

The functions directly controlled by Director, SLDC are given in the Table below.

A. HUMAN RESOURCES MANAGEMENT	<ul style="list-style-type: none"> • Manpower planning, Training, Budgeting & placement • Personal services (Leave / Loan / Recoveries etc) • Installation Security and safety • Human resource development • Public Relation • Administration. 	1 No. G.M. (HR) 1 No. DGM (HR) 1 No Dy. Manager (HR) Total – 3 no.
B. FINANCE	<ul style="list-style-type: none"> • Drawing and Disbursing functions • Auditing and Reconciliation • Maintenance of asset registers • Budget & Accounts 	1 No. DGM (F) 1 No. Dy. Manager (F) 1 No. Jr. Manager (F) Total - 3 nos.
C. SECRETARIAL STAFF	<ul style="list-style-type: none"> • Day to day secretarial work 	4 Nos. Office Assistant 4 Nos. Steno / Comp. Asst. Total - 8 nos.

Abstract of Staff Requirement for SLDC

1. Executive Staff Requirement:

Sl. No.	Category of Posts	Total Nos.
1	Director (Chief Load Despatcher)	01
2	Executive Assistant to Director [DGM(E)]	01
A. GRID OPERATION		
REAL TIME OPERATION		
3	CGM (Elect)	01
4	Executive Assistant to CGM [Deputy Manager (E)]	01
5	General Manager (Elect)	01
6	DGM (Elect)	01
7	AGM (Elect)	04
8	Manager (Electrical)	04
9	Deputy Manager (Electrical)	04
10	Assistant Manager (Electrical)	04
11	Assistant Manager (Telecom)	04
OPERATIONAL PLANNING		
12	DGM (Elect)	01
13	Deputy Manager (Electrical)	01
SCADA		
14	DGM (Telecom)	01
15	Deputy Manager (Telecom)	02
OS, RA & MIS		
16	General Manager (Elect)	01
17	DGM (Elect)	01
18	AGM (Electrical)	01
19	Manager (Electrical)	01
20	Assistant Manager (Electrical)	04
21	Deputy Manager (Law)	01
COMMERCIAL SERVICES		
22	Sr. General Manager (Elect)	01
Commercial, Tech Services, Contract & Material Management		
23	General Manager (Commercial, TS, C&M)	01
COMMERCIAL		
24	AGM (Elect)	01
25	Manager (Electrical)	02
26	Deputy Manager (Electrical)	02
27	Assistant Manager (Electrical)	03
TECHNICAL SERVICES / CONTRACT & MATERIAL MANAGEMENT		
28	DGM (Electrical)	01
HRM		
29	General Manager (HR)	01

Sl. No.	Category of Posts	Total Nos.
30	DGM (HR)	01
31	Deputy Manager (HR)	01
FINANCE		
32	DGM (Finance)	01
33	Deputy Manager (Finance)	01
34	Junior Manager (Finance)	01
SECRETARIAL		
35	Sr. PS to Director	01
36	PA / PS	01
	TOTAL EXECUTIVES	59

2. Non-Executive Staff Requirement:

Sl. No.	Category of Posts	Total Nos.
1	Steno / Comp. Asst.	04
2	Office Assistant	04
	TOTAL NON-EXECUTIVES	8

Total staff requirement proposed for SLDC=1+2 =59+8=67 Nos.

Annexure – III

Computation of Installed Capacity of OHPC Stations for FY 2020-21



ଓଡ଼ିଶା ଜଳ ବିଦ୍ୟୁତ୍ ନିଗମ ଲିମିଟେଡ୍
(ଓଡ଼ିଶା ସରକାରଙ୍କ ଏକ ଉପକ୍ରମ)



ଓଡ଼ିଶା ରାଜ୍ୟ ଆରକ୍ଷା ବୃହନ୍ନିର୍ମାଣ ଏବଂ ସମାଜନୀକ ନିଗମ ଭବନ, ବାଣାବିହାର ଛକ, ଜନପଥ, ଭୁବନେଶ୍ୱର-୭୨
ଫୋନ : ୯୧-୦୬୭୪-୨୫୪୨୯୮୩, ୨୫୪୨୮୦୨, ୨୫୪୫୫୨୬, ୨୫୪୨୮୨୬, ଫାକ୍ସ : ୨୫୪୨୧୦୨

ODISHA HYDRO POWER CORPORATION LTD.

(A GOVT. OF ODISHA UNDERTAKING)

CIN : U40101OR1995SGC003963

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By Fax/E-mail

File No.: OHPC-190/05(Vol-VII) 744 Dt. 17.11.2021

To

The Director / Chief Load Despatcher,
SLDC, OPTCL,
P.O. Mancheswari Railway Colony,
Bhubaneswar-17.

Sub: Average Available Capacity of OHPC Power Stations for the FY 2022-23 for computation & sharing of SoC & MoC by OHPC - Regarding.

Ref: Letter No. 2590 dated 15.11.2021 of the Chief Load Despatcher, SLDC.

Sir,

With reference to above captioned subject, the tentative daily average MW availability from OHPC Power Stations during the FY 2022-23 is furnished in the table below for sharing of SLDC Charges (SoC & MoC) by OHPC / GRIDCO.

Tentative daily average MW availability from OHPC Power Stations during the FY 2022-23

Power Station	Generating Units	Installed Capacity (MW)	Nature of Shutdown	Start Down Period		Days Unavailable	Days Available	Per Day Average MW Availability	
				From	To				
BHEP	#1	60	Under R&M	05.08.2016	31.12.2021	0	365	60	
	#2	60	Under R&M	20.11.2017	31.10.2021	0	365	60	
	#3	60	Programming for R&M	01.02.2022	31.07.2023	365	0	0	
	#4	60	Programming for R&M	01.02.2022	31.07.2023	365	0	0	
	#5	60	Annual Maintenance	09.08.2022	08.09.2022	31	334	55	
	#6	60	Annual Maintenance	14.09.2022	13.10.2022	30	335	55	
	#7	75	Annual Maintenance	20.10.2022	18.11.2022	30	335	69	
	#8	75	Annual Maintenance	27.12.2022	25.01.2023	30	335	69	
Sub-Total		510	Per Day Average MW Availability of BHEP						368

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ଓଡ଼ିଶା ଜଳ ବିଦ୍ୟୁତ୍ ନିଗମ ଲିମିଟେଡ୍ ODISHA

(ଓଡ଼ିଶା ସରକାରଙ୍କ ଏକ ଉପକ୍ରମ)

ଓଡ଼ିଶା ରାଜ୍ୟ ଆରକ୍ଷା ସୁବିଧା ଏବଂ ସମାଜନୀତି ନିଗମ ଭବନ, ବାଣାଦିହାର ଛକ, ଜନପଥ, ଭୁବନେଶ୍ୱର-୭୨
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HHEP	#1	49.5	Annual Maintenance	01.02.2023	28.02.2023	28	337	46	
	#2	49.5	Annual Maintenance	01.01.2023	31.01.2023	31	334	45	
	#3	32	Annual Maintenance	01.11.2022	30.11.2022	30	335	29	
	#4	32	Annual Maintenance	01.12.2022	31.12.2022	31	334	29	
	#5	43.65	Under R&M	25.10.2016	31.11.2021	0	365	43.65	
	#6	43.65	Under R&M	16.10.2015	31.10.2021	0	365	43.65	
	#7	37.5	Available	-	-	0	365	37.5	
Sub-Total		281.65	Per Day Average MW Availability of HHEP					273.8	
CHEP	#1	24	Capital Maintenance	01.11.2022	30.04.2023	150	215	14	
	#2	24	Annual Maintenance	15.05.2022	16.06.2022	33	332	22	
	#3	24	Available	01.03.2023	31.03.2023	31	334	22	
Sub-Total		72	Per Day Average MW Availability of CHEP					58	
RHEP	#1	50	Maintenance & Repairing	01.02.2023	28.02.2023	28	337	46	
	#2	50	Annual Maintenance	01.04.2022	15.05.2022	45	320	44	
	#3	50	Maintenance & Repairing	01.12.2022	31.12.2022	31	334	46	
	#4	50	Annual Maintenance	01.10.2022	31.10.2022	31	334	46	
	#5	50	Annual Maintenance	16.05.2022	15.06.2022	30	335	46	
Sub-Total		250	Per Day Average MW Availability of RHEP					228	
JKHEP	#1	80	Available	-	-	0	365	80	
	#2	80	Available	-	-	0	365	80	
	#3	80	Annual Maintenance	01.01.2023	30.01.2023	30	335	73	
	#4	80	Annual Maintenance	01.11.2022	30.11.2022	30	335	73	
Sub-Total		320	Per Day Average MW Availability of JKHEP					306	
UIHEP	#1	150	Annual Maintenance	01.12.2022	30.12.2022	30	335	138	
	#2	150	BF Valve overhaul / Capital Maint.	01.04.2022	15.06.2022	76	289	119	



ଓଡ଼ିଶା ଜଳ ବିଦ୍ୟୁତ୍ ନିଗମ ଲିମିଟେଡ୍ **ODISHA**
 (ଓଡ଼ିଶା ସରକାରଙ୍କ ଏକ ଉପକ୍ରମ) **NEW OPPORTUNITIES**

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 ଫୋନ୍ : ୯୧-୦୬୭୪-୨୫୪୨୯୮୩, ୨୫୪୨୯୮୦୨, ୨୫୪୫୫୨୬, ୨୫୪୨୯୮୨୬, ଫ୍ୟାକ୍ସ : ୨୫୪୨୯୦୨

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UIHEP	#3	150	Annual Maintenance	01.01.2023	30.01.2023	30	335	138	
	#4	150	Capital Maintenance	01.07.2022	28.02.2023	243	122	50	
Sub-Total		600	Per Day Average MW Availability of UIHEP						445
Gross Total OHPC		2033.65	Per Day Average MW Availability of OHPC						1678.8 Or Say 1679

In view of the above the proposed available MW capacity of OHPC power stations may be considered as **1679 MW** during the FY 2022-23 for calculation & sharing of SLDC Charges (SoC & MoC) by OHPC.

Yours faithfully,

(Signature)
Director (Operation)
 OHPC Ltd, BBSR

- CC: 1) Secretary, OERC, Bidyut Niyamak Bhawan, Plot No.4, Chunukoli, Sailashree Vihar, Bhubaneswar-21 for kind information.
 2) CGM (PP), GRIDCO, Bhubaneswar for information & necessary action.
 3) Director (Finance), OHPC Ltd. for information.