

**BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION
BHUBANESWAR**

CASE No. **106/2021**

Filing No- 1

IN THE MATTER OF: An application for determination of Annual Revenue Requirement and Fees and Charges of State Load Despatch Centre (SLDC), Odisha for the FY 2022-23.

and

IN THE MATTER OF: Odisha Power Transmission Corporation Limited, Janpath,
Bhubaneswar

.... Applicant

The Humble Applicant above named

MOST RESPECTFULLY SHOWETH THAT:

Section 31(1) of the Electricity Act, 2003, provides that the State Government shall establish a State Load Despatch Centre (SLDC). Section 31(2) provides that the said SLDC shall be operated by a Government company / authority / corporation constituted by or under any State Act and that until such company / authority / corporation is notified by the State Government, the State Transmission Utility (STU) shall operate the SLDC.

Government of Odisha, Department of Energy vide Notification No.6892 dated 09.06.2005 issued the Orissa Electricity Reform (Transfer of Transmission and Related Activities) Scheme 2005 and have notified Odisha Power Transmission Corporation Ltd. (OPTCL) as the State Transmission Utility (STU) and have vested the State Load Despatch functions with OPTCL till further orders of the State Government from the date of transfer.



As per Section 32 of the Act, SLDC shall be the apex body to ensure integrated operation of the power system in a State and shall discharge functions as mentioned under Section 32(2) (a) (b) (c) (d) & (e).

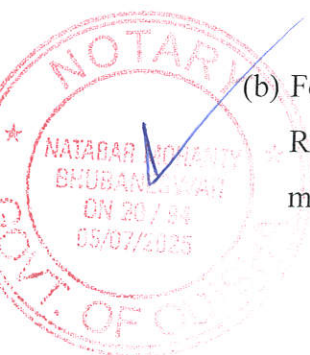
Section 32 (3) of the Act provides for levy and collection of such fees and charges from the Generating companies and other licensees engaged in the intra-state transmission of electricity as may be specified by the State Commission.

The Govt. of India, Ministry of Power vide Order dated 04.02.2008 constituted a Committee under the Chairmanship of Sri Gireesh B Pradhan, Additional Secretary to MoP to examine the issues for ring fencing of State Load Despatch Centres to ensure their functional autonomy and give recommendation.

The relevant extracts from the recommendation of the above committee for functional autonomy of the Load Despatch Centres are as follows:

- (a) The Load Despatch Centre should be ring fenced suitably to ensure their functional autonomy by taking the following steps.
 - (i) The Appropriate Government should take suitable steps to facilitate independent functioning of the Load Despatch Centres in line with the Electricity Act 2003 and National Electricity Policy. To begin with, the State Governments are urged to create a separate representative board structure for governance of LDCs on the lines of wholly owned subsidiary being created for the independent System Operation of RLDCs and NLDC.
 - (ii) The financial accounts should be separated for all LDCs by 31st March 2009 with the appropriate Electricity Regulatory Commissions (ERC) specifying the fees and charges payable.

- (b) For making Load Despatch Centres financially self-reliant, the Electricity Regulatory Commission should recognize the three distinct revenue streams mentioned as under;



- (i) Fees and charges for system operation
- (ii) Tariff for decision support system and IT infrastructure (currently only ULDC tariff)
- (iii) Operating charges for scheduling, metering and settlement for market players.

Hon'ble Commission under Section 86(2)(iii) of the Act 2003 advised the State Govt. for recognition and restructuring of SLDC separating from OPTCL- the STU notifying an appropriate Transfer Scheme by 31.12.2008 positively.

OERC vide letter No. 1313 dated 04.08.2007 issued a road map for implementation of levy of annual fee and operating charges for SLDC functions in Odisha in order to separate SLDC charges from the existing transmission charges of OPTCL with effect from 01.04.2008 to make SLDC self-reliant. As per direction of Hon'ble Commission, separate application for approval of Annual Fees and Operating Charges for SLDC function is being filed by OPTCL since FY: 2009-10.

Further, in the report submitted by the "Task Force on Capital Expenditure and issues related to Emolument for Personnel in Load Despatch Centres" in the Salient points of part-I 1, it is mentioned that:

- (a) *Ownership of new RTUs should rest with the entities in whose premises these RTUs would be located. Regarding ownership of existing as well as work-in-progress RTUs in central sector stations and state sector stations, these could rest with the CTU and STUs / SEBs respectively as per the prevailing arrangement. However in due course of time, modalities for their transfer to actual entities can be planned by mutual consent.*
- (b) *The responsibility of owning and providing the communication system from sub-station to the nearest control centers as well as between control centers should continue to be that of CTU or STUs / SEBs. However, in case of any special requirements the LDCs can access, plan and take a lease such communication system from other telecom service providers also.*
- (c) *The computer system along with software and peripherals located in the control center building of NLDC/RLDCs and SLDC/Sub-LDCs should be transferred to respective entities managing these LDCs.*

Accordingly, the application for approval of Annual Revenue Requirement and Fees & Charges for SLDC for FY 2021-22 has been prepared 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 the above, the executives shall be from electrical engineering discipline. Efforts are to be made to supplement them with interdisciplinary learning and development.

The functional organizational structure of SLDC has been approved for discharging SLDC functions smoothly as per the provisions of the Act to facilitate an Independent System Operator in order to ensure an efficient, reliable and secure power system operation and merit order dispatch of electricity.

As per the recommendation in the report of the task force committee on “Capital Expenditure and Issues related to Emoluments for Personnel in Load Despatch Centres”, the assets pertaining to the Control Centre (SLDC) has to be handed over to the State Load Despatch Centres.

Provision of CAPEX Plan

1. OERC vide order dated 23.03.2017 passed in case No. 47 of 2016 has approved CAPEX plan of SLDC for Rs. 717.99 lakhs, which includes construction of a new building. Total cost of the building as proposed was 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.



2. Further, on request of SLDC, Hon'ble OERC vide order dated 22.03.2018 in case No. 78 of 2017 has allowed for shifting of the CAPEX plan implementation by one year i.e. during FY 2017-18 and 2018-19.
3. Construction of new building could not be completed due to modification of plan and site. The revised proposal along with total estimate of Rs. 34.35 Crore phased in next two years was submitted before the Hon'ble Commission and OERC vide letter No. DIR(T)-351/08/112 dated 19.01.2021 have approved the proposal. The building plan submitted by the architect has been approved and the tendering work is under progress.
4. OERC 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. OERC vide letter No. DIR(T)-351/08/1288 dated 10.09.2019 have approved Rs. 27.72 lakhs towards procurement & installation of 16 numbers of AC machines and computers & peripherals, which has already been procured.
6. OERC vide letter No. DIR(T)-351/08/1298 dated 16.11.2020 have approved 21.0 lakhs for procurement and installation of firewall device at SLDC. The work has been completed.
7. OERC vide letter No. DIR(T)-351/08/112 dated 19.01.2021 have approved
 - (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. The building plan submitted by the architect has been approved and the tendering work is under progress.
8. The status of CAPEX is enclosed herewith as **Annexure-I**.

Organizational structure and their Functions

The man power structure given in the ARR is in line with the approved structure by the Government of Odisha. As per the approved structure, total 67 nos. of executives / non-executives shall be deployed at SLDC. The details of staffing structure approved by the Government are indicated at **Annexure-II**.

Computation of item wise Annual Revenue Requirement for FY 2021-22

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

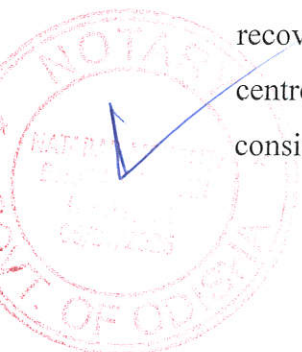
- a) Return on equity;
- b) Interest on loan capital;
- c) Depreciation;
- d) Operation & maintenance expenses excluding human resource expenses;
- e) Human resources expenses;
- f) Interest on working capital;

(a) Return on equity & (b) Interest on loan capital:

Since no equity has been invested by SLDC and there is no outstanding loan on SLDC, item (a) & (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 details of depreciation are indicated in **Form-6A & 6B**. 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 (Sl. No. 18 & 20 of Form-6B) has also been considered.



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(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 (Form-7A)**. The major components of R&M expenditure are (i) Civil works repairs and maintenance (demolition & refurbishing of dilapidated rooms, leak proof treatment of roofs, colouring & maintenance of residential buildings of SLDC colony), (ii) Facility Management Services (FMS) and (iii) AMC charges of computers & peripherals and software. Further, Electrical maintenance of office building and colony quarters etc. has also been kept as those quarters & office are being used by SLDC personnel as detailed at **Form-7C**.

A&G expenses includes Office expenses, Training and Certification programme of operators and executives, professional charges, communication system, gardening, meeting expenses etc., which are detailed **Form-7D**.

The O & M expenses have been projected considering actual expenditure to be incurred during FY 2022-23.

(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 as indicated in **Form-7B (4)**. In addition to the above, salary for 14 numbers of contractual / outsourcing staffs to be engaged at SLDC in the FY 2022-23 has been considered.

Payment of 50% arrear amounting Rs. **47.54** lacs due to implementation of 7th Pay commission report has also been considered for payment during the FY 2022-23.

(f) Interest on working capital:

The interest on working capital (amounting Rs. **348.451** lacs) has been computed as Rs. **35.89** lacs as per OERC Regulation considering 10.30 % rate of interest (SBI base Rate 7.30 % plus 300 basis point). 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 Users for a period of two months from the commencement of Financial Year.

The expenses have to be met from the charges collected from the Users for the previous year which could have been kept in the SLDC development fund. The loss of interest for the above amount is being recovered as interest on working capital. The details are indicated in **Form-8**.

Abstract of expenses proposed for FY 2022-23:

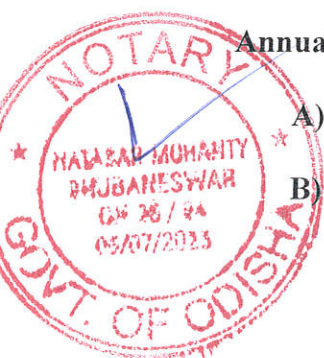
(Rs. In lacs)

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

2. **Certification for LDC personnel:-** The recommendation No. (4) in Clause 6.4 of Report of the Committee on “Manpower, Certification and Incentives for System Operation and Ring fencing Load Despatch Centres” has envisaged that the highly specialized and technical nature of LDC function necessitates a suitable compensation structure to attract and retain talent. The committee recommended the compensation structure, innovative incentive schemes for higher learning and monetary incentives based on their ratings. 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 (7D-33) considering the easing of pandemic situation and return of normalcy.
3. **SLDC Assets:-** The assets of SLDC along with sub-SLDC have been identified and presently being exclusively used by SLDC personnel awaiting for transfer as per the direction of Hon’ble Commission.
4. **Determination of the Annual Charges:-** The Annual Charges for SLDC has 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



[Signature]

System Operation Charges (SOC) shall be collected from 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 & buyers - 45% on the basis of allocation

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

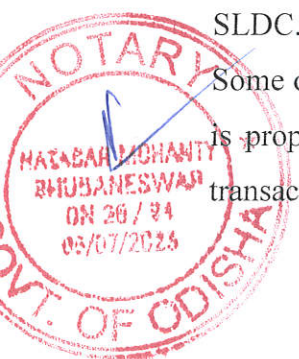
- Generating Company & Seller - 50% on the basis of Installed capacity
- Distribution Licensee & buyers - 50% on the basis of allocation

As per the proposed maintenance programme, 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. For Rungta Mines Ltd. (DSP), the maximum MW scheduled during November 2021 has been considered as it commenced power injection in the month of November'21. In absence of approved injection schedule for some of the CGPs during the FY 2021-22 (up to October'21), the approved schedule quantum for previous year has been considered for purpose of levying SLDC charges.

In absence of day ahead injection schedule by some of the major solar stations connected to the State network, SLDC is presently not issuing dispatch instruction to them. SLDC is pursuing with these solar plants for submission of day ahead declared capacity. SLDC has proposed to levy and collect SLDC charges from the renewable projects, mainly Solar & Biomass having PPA with GRIDCO or wheeling for Captive purpose or generating for Renewable Energy Certification as their Energy Accounting is precisely being done by SLDC. The proposal of SLDC may please be approved.

Some of the industries are also importing power through Intra / Inter-State open access. It is proposed to collect SLDC charges from such industries only for the month of their transaction basing on the maximum scheduled quantum.



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Abstract of collection of SLDC charges proposed for FY 2022-23:

<i>(Rs in Lacs)</i>	
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

5. Registration Fee:-

Besides the above charges, provision for collection of registration fee@ Rs1.00 lac from all users has been made as per OERC Regulation. It is also proposed to collect one time registration fee from the industries who are importing power through Inter-State open access.

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

7. Under Recovery of SOC & MOC:- 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/-**. Hon'ble Commission may please 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.

That the Applicant reserves its right to make further submissions as may in the circumstances be deemed necessary in the interest of justice.




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.

Bhubaneswar
29th November 2021

BY THE APPLICANT
THROUGH


Director (Chief Load Despatcher), SLDC
OPTCL, Bhubaneswar



**BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION
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and

IN THE MATTER OF: Odisha Power Transmission Corporation Limited, Janpath,
Bhubaneswar

.... Applicant

Affidavit verifying the Application

I, Sri Bhadrash B Mehta, son of Sri Bachubhai Mehta, aged about 59 years, presently working at SLDC, Bhubaneswar do solemnly affirm and say as follows:

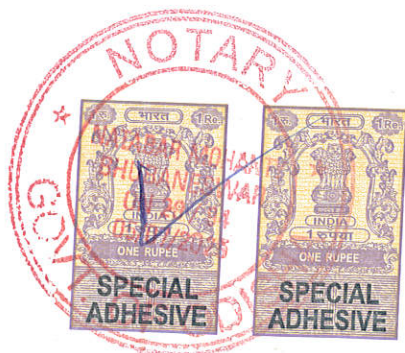
I am the Director (Chief Load Despatcher), SLDC of Odisha Power Transmission Corporation Limited, the applicant in the above matter, and am duly authorized by the said applicant to make this affidavit on its behalf.

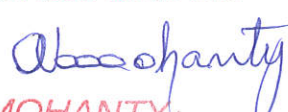
The statements made herein the above are based on information and I believe them to be true.

Bhubaneswar

29th November, 2021


DEPONENT



SWORN BEFORE ME

N. MOHANTY
NOTARY 29.11.2021
Regd. No. ON 20/94
382, Bhoi Nagar,
Bhubaneswar-751022

LEVY AND COLLECTION OF FEES & CHARGES (Rs. in Lacs) For FY 2022-23

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
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(Rs. in Lacs)

Sl. No.	Generating Company / Sellers	Installed Capacity (MW)	Total amount (Annual)	Total amount (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-2021)		
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.	7.20	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	Narberham 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	Rungla 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	2.091	0.174
43	AFTAB Solar	5.00	0.418	0.035
44	BEL SOLAR	7.50	0.627	0.052
45	GEDCOL	20.00	1.673	0.139
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 Vinmay 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. KESINGA-1	40.00	3.345	0.279
59	M/s Vento Power Pvt. Ltd. KESINGA-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, Bargah New	25.00	2.091	0.174
66	MCL, Burla	2.00	0.167	0.014
67	IMFA Solar, Theruvalli	4.50	0.376	0.031
68	OCL, Dalmiya cement, Salepur	2.50	0.209	0.017
69	JK PAPER, Theruvalli	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)
(a) Generating Company @50% of MOC

286.566
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	39.007	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, Meramundail	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	Narberham 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
E	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. KESINGA 1	40.00	0.929	0.077
59	M/s Vento Power Pvt. Ltd. KESINGA- 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 Solar, 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
(b) Distribution Licensees & Buyers @50% of MOC			143.283	
Sl.		%share		
70	GESU	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

**Checklist of Forms and other information/ documents for tariff filing for State Load
Despatch Center, Odisha**

Form No.	Tariff Filing Formats (SLDC)	Tick
FORM- 1	Summary Sheet	✓
FORM- 2	Normative Parameters considered for tariff calculations	
FORM- 3	Abstract of Admitted Capital Cost for the existing Projects	
FORM- 4A	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects	
FORM- 4B	Element wise Break-up of Capital Cost	
FORM- 4C	Break-up of Construction/Supply/Service packages(Ongoing)	
FORM- 4D	Financial Package upto COD	
FORM- 4E	Statement of Additional Capitalization after COD	
FORM- 4F	Statement of Capital cost	
FORM- 4G	Statement of Capital Woks in Progress	
FORM- 4H	Financing of Additional Capitalization	
FORM- 4I	Details of Foreign Equity	
FORM- 5A	Calculation of Interest on Normative Loan	
FORM- 5B	Calculation of Weighted Average Rate of Interest on Actual Loans ¹	
FORM- 5C	Details of Foreign loans	
FORM- 5D	Details of Project Specific Loans	
FORM- 5E	Details of Allocation of corporate loans to various RLDCs	
FORM- 6A	Statement of Depreciation	✓
FORM- 6B	Calculation of Depreciation Rate	✓
FORM- 7A	Details of Operation and Maintenance Expense excluding human resource expenses	✓
FORM- 7B	Details of Human Resource Expenses	✓
FORM- 7C	Details of Repairs and Maintenance Expenses	✓
FORM- 7D	Details of Administrative and General expenses	✓
FORM- 8	Calculation of Interest on Working Capital	✓
FORM- 9	Draw Down Schedule for Calculation of IDC & Financing Charges	
FORM- 10	Actual cash expenditure	
Other Information / Documents		
1	Details of CAPEX approved & status (Annexure-I)	✓
2	Organizational structure & their functions (Annexure-II)	✓
3	Letter of OHPC for computation of Installed capacity for FY 2021-22(Annexure-III)	✓



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Summary Sheet

Form- 1

State Load Despatch Centre, Odisha

(Rs. in lacs)

Sl.No.	Particulars	Form No	2022-23
1	2	3	4
1	Return on Equity		0.000
2	Interest on Loan Capital		0.000
3	Depreciation	6-A	81.183
4.	O&M Expenses excluding human resource expenses	7-A	341.650
5.	Human resource expenses	7-B(4)	974.107
6.	Interest on Working Capital	8	35.890
Total			1432.830

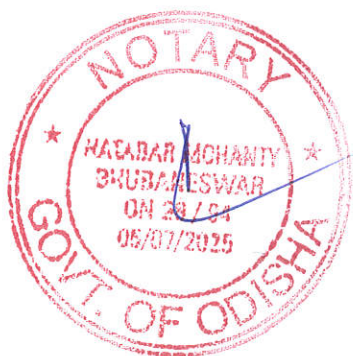


Statement of Depreciation

State Load Despatch Centre, Odisha

(Amount in 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



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Calculation of depreciation cost

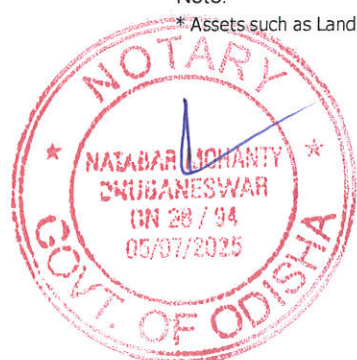
State Load Despatch Centre, Odisha

(Amount in lacs)

Sl. No.	Name of the Assets	Gross Block as on 31.03.2021	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for the year 2021-22
	1	2	3	4=Col.2 X Col.3
1.	Land	00.00	0.00%	0.000
2.	Office Building	00.00	1.63%	0.000
3.	Residential Building	00.00	1.63%	0.000
4.	Roads	00.00	100.00%	0.000
5.	Battery including new for data centre UPS	04.93	5.28%	0.260
6.	Isolation transformer & ACDB for UPS	10.46	5.28%	0.553
7.	Underground Cables	00.81	5.28%	0.043
8.	Split type Air Conditioner			
(i)	Procured during 2012-13 (4)	01.87	5.28%	0.099
(ii)	Procured during 2014-15 (7)	03.69	5.28%	0.195
(iii)	Procured during 2016-17 (18)	08.04	5.28%	0.424
(iv)	Procured during 2019-20 (16)	07.69	5.28%	0.406
(v)	AC Stabilizer	02.31	5.28%	0.122
9.	DG Set for disaster management	09.31	5.28%	0.491
10.	3 HP water pump	00.38	6.33%	0.024
11.	Office Furnitures including new	21.21	6.33%	1.343
12.	New Furnitures for SLDC Director's office	01.69	6.33%	0.107
13.	Water purifier	00.68	6.33%	0.043
14.	Electrical Installation for SLDC building (new)	18.06	6.33%	1.143
15.	Computer tables for EASSC	01.02	6.33%	0.064
16.	Video Projection System (VPS) including upgradation and enhancement	166.53	15.00%	24.979
17.	Photo copier	04.13	6.33%	0.261
18.	Laptops, Desktop Computers & peripherals for SLDC Control room and office	36.80	15.00%	5.520
19.	Microphone Video for Video Conferencing	01.78	15.00%	0.267
20.	Computers & peripherals for data centre	258.13	15.00%	38.719
21.	RVDU at Jaynagar sub-station	15.29	15.00%	2.293
22.	Vehicle	04.77	5.28%	0.252
23.	Firewall	18.34	15.00%	2.751
24.	Printer	03.13	15.00%	0.469
25.	UPS	01.39	15.00%	0.209
26.	Office Equipments	02.20	6.33%	0.139
27.	CCTV Camera	00.07	6.33%	0.005
	TOTAL	604.71		81.183
	Weighted Average Rate of Depreciation(%)		13.43	

Note:

* Assets such as Land & Building, Road have not been handed over to SLDC and hence not been considered for calculation of depreciation.



Details of Operation and Maintenance Expense excluding human resource expenses

State Load Despatch Centre, Odisha

SL No	ITEMS	Form No	2020-21 (Actual)	2021-22 (Approved)	2021-22 (Actual up to Sept.-21)	2022-23 (Prop.)
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

(Rs. In Lacs)



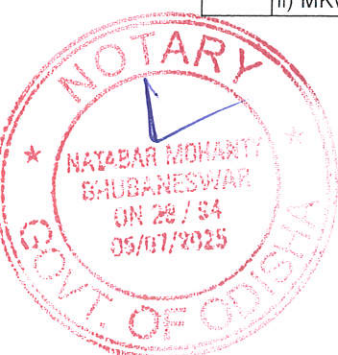
Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2020-21)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2021-22)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2021-22)
4. EXPECTED FOR ENSUING YEAR(2022-23)

State Load Despatch Centre, Odisha

Fig in Lacs

Sl.No.	Account Code	Particulars	Executive		Non-Executive		Total
			Technical	Non-Tech	Technical	Non-Tech.	
1.	Salaries		396.012	55.309	24.209	26.72	502.25
2.	Over-time						0.00
3.	Dearness Allowance		67.4912	9.403	4.115	4.559	85.57
4.	Other Allowance such as shift, Conveyance, ABT, green card washing etc.		14.367	1.4904	1.0254	1.0043	17.89
5.	Contractual Staff Payment					4.2055	4.21
6.	Productivity Linked Incentive						
7.	Sub Total (1 to 6)						609.91
	OTHER STAFF COST						
8.	Reimbursement of Medical Expenses		6.8506	0.9407	1.85957	1.3355	10.99
9.	Leave Travel Concession						0.00
10.	Reimbursement of House Rent		21.1189	2.1314	1.9104	3.7838	28.94
11.	Interim Relief to Staff						0.00
12.	Encashment of Earned Leave	Included in salary					0.00
13.	Honorarium						0.00
14.	Payment under Workmen compensation Act						0.00
15.	Ex-gratia		6.7867	1.2	0.68	0.85	9.52
16.	Expenditure on VRS						0.00
17.	Sub Total (8 to 16)						49.45
18.	Staff Welfare Expenses		1.2737				1.27
19.	Terminal Benefits (Employer's Share to PF)		17.6352	1.679	0.000	0.892	20.21
20.	Provisions-Arrear Salary(RPP)		26.1821	1.5905	3.8073	2.8721	34.45
21.	Others (Specify) Uniform & liveries		0.014	0	0.0241	0	0.04
22.	Total (7+17+18+19+20+21)		557.731	73.744	37.631	46.222	715.33
23.	Revenue recovered, if any						0.00
24.	Net Total (22-23)		557.731	73.744	37.631	46.222	715.33
	ADDITIONAL INFORMATION						
1.	No. of Employees as on :	31.03.2021					
	i) Executives		37	5			42
	ii) Non-Executives				4	5	9
	iii) Skilled						
	iv) Non-Skilled						
	v) Contractual Staff (2no. D.E.O.+ 4no. Attendant)					6	6
	Total						57
2.	No. of Employees per						
	i) MW handled						
	ii) MKwh handled						



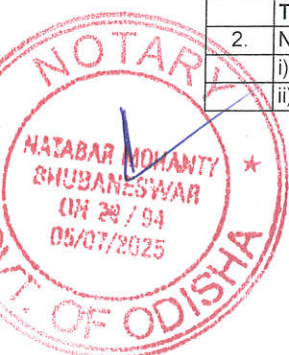
Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2020-21)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2021-22)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2021-22)
4. EXPECTED FOR ENSUING YEAR(2022-23)

State Load Despatch Centre, Odisha

Fig in Lacs

Sl.No	Account Code	Particulars	Executive		Non-Executive		Total
			Technical	Non-Tech.	Technical	Non-Tech.	
1.	Salaries		210.270	22.976	10.402	6.507	250.155
2.	Over-time						0.000
3.	Dearness Allowance		35.435	3.906	1.768	1.106	42.215
4.	Other Allowance such as shift, Conveyance, ABT, green card washing etc.		6.592	0.499	0.424	0.261	7.776
5.	Contractual Staff Payment					2.902	2.902
6.	Productivity Linked Incentive						0.000
7.	Sub Total (1 to 6)		252.297	27.381	12.594	10.776	303.048
	OTHER STAFF COST						
8.	Reimbursement of Medical Expenses		4.241	0.383	0.519	0.499	5.642
9.	Leave Travel Concession						0.000
10.	Reimbursement of House Rent		10.395	0.725	0.975	0.507	12.602
11.	Interim Relief to Staff						0.000
12.	Encashment of Earned Leave	Included in salary					0.000
13.	Honorarium						0.000
14.	Payment under Workmen compensation Act						0.000
15.	Ex-gratia						0.000
16.	Expenditure on VRS						0.000
17.	Sub Total (8 to 16)		14.636	1.108	1.494	1.006	18.244
18.	Staff Welfare Expenses				0.009	0.009	0.018
19.	Terminal Benefits (Employer's Share)		10.656	0.790	0.000	0.523	11.969
20.	Arrear 7th Pay					3.007	3.007
21.	Others (Specify) (Uniform & Liveries)						0.000
22.	Total (7+17+18+19+20+21)		277.589	29.279	14.097	15.321	336.286
23.	Revenue recovered, if any						0.000
24.	Net Total (22-23)		277.589	29.279	14.097	15.321	336.286
	ADDITIONAL INFORMATION						
1.	No. of Employees as on : 30.09.2021						
	i) Executives		37	5			42
	ii) Non-Executives				3	3	6
	iii) Skilled						
	iv) Non-Skilled						
	v) Contractual Staff (4no. D.E.O.+ 2no. Driver + 4no. Attendant)					10	10
	Total						58
2.	No. of Employees per						
	i) MW handled						
	ii) MKwh handled						



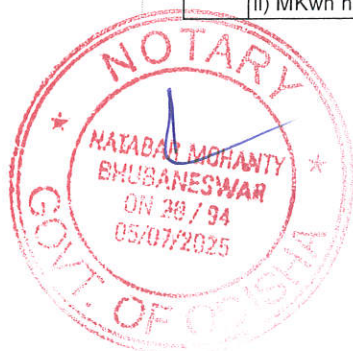
Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2020-21)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2021-22)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2021-22)
4. EXPECTED FOR ENSUING YEAR(2022-23)

State Load Despatch Centre, Odisha

Fig in Lacs

Sl.No.	Account Code	Particulars	Executive		Non-Executive		Total
			Technical	Non-Tech.	Technical	Non-Tech.	
1.	Salaries		213.544	23.970	9.584	6.006	253.104
2.	Over-time						0.000
3.	Dearness Allowance		80.940	9.080	3.632	2.274	95.926
4.	Other Allowance such as shift, Conveyance, ABT, green card, washing etc.		6.792	0.519	0.377	0.243	7.931
5.	Contractual Staff Payment /Trainee					11.631	11.631
6.	Productivity Linked Incentive						0.000
7.	Sub Total (1 to 6)		301.276	33.569	13.593	20.154	368.59
	OTHER STAFF COST						
8.	Reimbursement of Medical Expenses		3.481	0.389	0.479	0.300	4.649
9.	Leave Travel Concession						0.000
10.	Reimbursement of House Rent		10.430	0.725	0.994	0.391	12.540
11.	Interim Relief to Staff						0.000
12.	Encashment of Earned Leave	Included in salary					0.000
13.	Honorarium						0.000
14.	Payment under Workmen compensation Act						0.000
15.	Ex-gratia		6.700	1.000	0.680	0.850	9.230
16.	Expenditure on VRS						0.000
17.	Sub Total (8 to 16)		20.611	2.114	2.153	1.541	26.419
18.	Staff Welfare Expenses		1.300		0.018		1.318
19.	Terminal Benefits (Employer's Share)		10.671	0.802	0.000	0.717	12.190
20.	Provisions- RPP						0.000
21.	Arrear Salary (7th Pay)		8.500	1.500	3.721	0.900	14.621
22.	Others (Specify) (Uniform & Liveries)		0.92	0.245	0.12	0.08	1.365
23.	Total (7+17+18+19+20+21)		343.278	38.230	19.605	23.392	424.505
24.	Revenue recovered, if any						0.000
25.	Net Total (22-23)		343.278	38.230	19.605	23.392	424.505
	ADDITIONAL INFORMATION						
1.	No. of Employees as on :	30.09.2021					
	i) Executives		37	5			42
	ii) Non-Executives				3	3	6
	iii) Skilled						
	iv) Non-Skilled						
	v) Contractual Staff (4no. D.E.O. + 2no. Driver + 4no. Attendant)					10	10
	Total						58
2.	No. of Employees per						
	i) MW handled						
	ii) MKwh handled						



Details of Human Resource Expenses

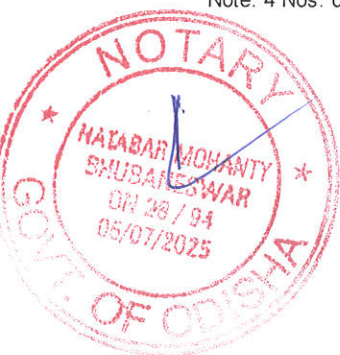
1. ACTUALS FOR PREVIOUS YEAR (2020-21)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2021-22)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2021-22)
4. EXPECTED FOR ENSUING YEAR(2022-23)

State Load Despatch Centre, Odisha

Fig in Lacs

Sl.No.	Account Code	Executive		Non-Executive		Total
		Technical	Non-Tech.	Technical	Non-Tech.	
1.	Salaries	471.906	41.958	4.632	12.504	531.000
	Over-time					0.000
2.						
3.	Dearness Allowance	179.324	15.944	1.760	4.752	201.780
4.	Other Allowance such as shift, Conveyance, ABT, green card washing etc.	16.052	0.833	0.247	0.487	17.619
5.	Contractual Staff Payment				23.961	23.961
6.	Compensation for LDC Personnel					0.000
7.	Sub Total (1 to 6)	667.282	58.735	6.639	41.703	774.359
	OTHER STAFF COST					
8.	Reimbursement of Medical Expenses	23.596	2.098	0.232	0.625	26.550
9.	Leave Travel Concession					0.000
10.	Reimbursement of House Rent	69.885	4.711	0.000	0.814	75.410
11.	Interim Relief to Staff					0.000
12.	Encashment of Earned Leave					0.000
13.	Honorarium					0.000
14.	Payment under Workmen compensation Act					0.000
15.	Ex-gratia	8.000	1.000	0.510	0.510	10.020
16.	Expenditure on VRS					0.000
17.	Sub Total (8 to 16)	101.481	7.809	0.742	1.949	111.981
18.	Staff Welfare Expenses	1.518	0.009	0.000	0.000	1.527
19.	Terminal Benefits (Employer's Share)	33.299	2.379	0.000	1.572	37.250
20.	Provisions - RPP					0.000
21.	Arrear Salary (7th Pay)	34.000	6.340	3.600	3.600	47.540
22.	Others (Specify) (Uniform & Liveries)	1	0.2	0.15	0.1	1.450
23.	Total (7+17+18+19+20+21)	838.581	75.472	11.130	48.924	974.107
24.	Revenue recovered, if any					0.000
25.	Net Total (22-23)	838.581	75.472	11.130	48.924	974.107
	ADDITIONAL INFORMATION					
1.	No. of Employees (proposed)					
	i) Executives	40	5			45
	ii) Non-Executives			1	3	4
	iii) Skilled					
	iv) Non-Skilled					
	v) Contractual Staff (6no. D.E.O.+ 2no. Driver + 6no. Attendant)				14	14
	Total					63
2.	No. of Employees per					
	i) MW handled					
	ii) MKwh handled					

Note: 4 Nos. of Telecom Employees engaged at SLDC included in above information



Repairs and Maintenance Expenses

State Load Despatch Centre, Odisha

Fig in Lacs

Sl.No.	Description	Actuals for previous Financial Year 2020-21	Current Financial Year			Estimates for ensuing year 2022-23
			Actual For First Six Months Up to Sept' 21	Projection For Balance Six Months of current year	Total during the current year	
1	Consumption of stores and spares	0.000	0.000	0.000	0.000	0.000
2	Loss of stores and spares	0.000	0.000	0.000	0.000	0.000
3	Plant & Machinery repairs and maintenance (R/M of 1 no light vehicle)	0.989	1.788	1.260	3.048	3.500
4	Civil works repairs and maintenance (demolition & construction of dilapidated rooms, leak proof treatment of roofs, colouring & maintenance of residential buildings of SLDC colony)	0.000	0.000	5.000	5.000	45.000
5	Electrical maintenance of Office Building, Colony quarters including Street light.	8.278	4.145	4.620	8.765	9.000
6	MPLS connectivity for Automatic Demand management Scheme (ADMS) signal communication with 20 nos. of substations.	0.000	0.000	0.000	0.000	6.580
7	Leased Internet connectivity / For Video Conferencing system	0.000	0.000	0.000	0.000	0.000
8	Hiring/Rent of BSNL link for data transfer from 3 nos. Sub-LDCs to SLDC	0.000	0.000	0.000	0.000	0.000
9	AMC charges for:-					
9a	Leased Internet connectivity & RF Link	1.466	0.464	1.020	1.484	1.500
9b	Website service charges	3.549	0.000	2.955	2.955	3.500
9c	Band width charges for WAN	1.538	0.000	1.558	1.558	2.000
9d	FMS	22.324	2.577	10.774	13.351	29.870
9e	APS equipment (DG Set)	0.419	0.229	0.708	0.937	1.500
9f	Computers and peripherals, Software	42.494	4.000	15.289	19.289	47.000
9g	FAX, Photo copier, Air Conditioners etc	2.389	0.000	2.026	2.026	3.000
10	Repair of furnitures & fixtures	0.044	0.247	0.400	0.647	1.000
11	Total (1 to 10)	83.49	13.45	45.610	59.060	153.450
12	Revenue recoveries, if any	0.00	0.00	0.000	0.000	0.000
13	Net Total (11-12)	83.49	13.45	45.610	59.060	153.450

Note: (i) The FMS charges mentioned above will be the contribution of SLDC in the Primary Data Centre at OPTCL premises

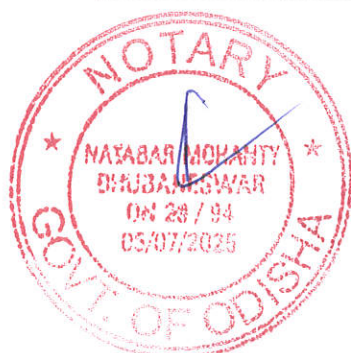


Details of Administrative and General (A&G) expenses

State Load Despatch Centre, Odisha

Fig in Lacs

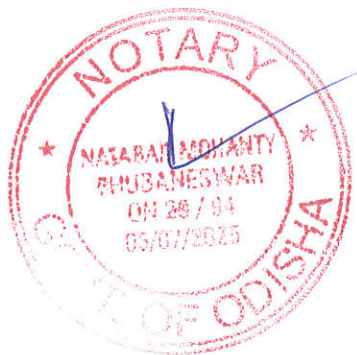
Sl. No.	Description	Actuals for previous Financial Year 2020-21	Current Financial Year			Estimates for ensuing year 2022-23
			Actual For First Six Months (up to Sept, 2021)	Projection For Balance Six Months	Total	
	PROPERTY RELATED EXPENSES					
1	Licence Fees	0.000	0.000	0.000	0.000	
2	Rent	0.000	0.000	0.000	0.000	
3	Rates & Taxes	0.000	0.000	0.000	0.000	
4	Insurance	0.078	0.031	0.050	0.081	0.100
5	Contribution to accident reserve fund				0.000	
6	Sub total :	0.078	0.031	0.050	0.081	0.100
	COMMUNICATION					
7	Telephone & Trunk Call	1.011	0.319	0.500	0.819	1.000
8	Postage & Telegram, Telefax	0.253	0.120	0.140	0.260	0.300
9	Courier Charges				0.000	
10	Other				0.000	
11	Sub total :	1.264	0.439	0.640	1.079	1.300
	PROFESSIONAL CHARGES					
12	Legal expenses	0.013	0.476	0.300	0.776	5.000
13	Consultancy Service Charges	0.536	0.000	0.300	0.300	1.000
14	Technical fees				0.000	
15	Audit fees				0.000	
16	Other charges				0.000	
17	Sub total :	0.549	0.476	0.600	1.076	6.000
	CONVEYANCE & TRAVELLING					
18	Conveyance expenses (Fuel)	0.000	0.000	0.000	0.000	0.000
19	Travelling expenses	0.184	0.095	1.000	1.095	15.000
20	Hire charges of vehicle	16.899	8.334	11.667	20.001	25.800
21	Others				0.000	
22	Sub total :	17.083	8.429	12.667	21.096	40.800
	OTHER EXPENSES					
23	Electricity charges	44.926	19.839	27.775	47.614	50.000
24	Fees & Subscription	0.000	0.000	0.000	0.000	0.000
25	Books & Periodicals	0.000	0.000	0.000	0.000	0.000
26	Printing & Stationery	1.006	0.599	0.700	1.299	2.000
27	Advertisement	0.726	0.000	0.800	0.800	3.000
28	Entertainment	0.764	0.507	0.700	1.207	3.000
29	Watch & Ward	25.172	11.617	17.264	28.881	30.000
30	Miscellaneous	1.863	0.976	1.200	2.176	3.000
31	Organisational Development Expenses Cultural, Sports and health etc	0.000	0.000	0.000	0.000	5.000
32	Outsourcing of collection of Metering data from regional interconnection points	0.000	0.000	0.000	0.000	0.000
33	Training (including certification of operators)	0.568	0.127	1.200	1.327	20.000
34	Sub total :	75.025	33.665	49.639	83.304	116.000
	MATERIAL RELATED EXPENSES					
35	Demurrage and Wharfage on materials					
36	Clearing & forwarding charges					
37	Transit insurance					
38	Sub total :					
39	Others (Specity) Disaster Expenses Sattelite Phone	0.000	0.000	0.000	0.000	5.000
40(a)	Gardening	0.020	0.000	0.050	0.050	2.000
40(b)	Meetings	0.016	0.050	1.000	1.050	10.000
40(c)	Office up-keeping	5.929	2.587	4.122	6.709	7.000
41	Sub total :	5.965	2.637	5.172	7.809	24.000
42	Total (6+11+17+22+34+38+41)	99.964	45.677	68.768	114.445	188.200
43	Revenue recoveries, if any	0.000	0.000	0.000	0.000	0.000
44	Net Total (42-43)	99.964	45.677	68.768	114.445	188.200



Calculation of Interest on Working Capital

State Load Despatch Centre, Odisha

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



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
Fig in Lacs

Sl. No.	Item	Quantity	Amount Approved	FY 2017-18	FY 2018-19	FY 2020-21	FY 2021-22	Expenditure Incurred	Remarks
1	Construction of New Building (excluding interiors) adjacent to the existing bulding 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

Fig in Lacs

Sl. No.	Item	Quantity	Amount	FY 2017-18	FY 2018-19			Expenditure Incurred	Remarks
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	



Position wise Role & Responsibilities proposed

1. Chief Load Despatcher

The SLDC function shall be headed by a Chief Load Despatcher in the rank of a Director. He shall be assisted by two Sr. Load Despatchers 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 Despatcher. All technical function Heads shall be reporting to their respective Sr. Load Dispatchers. The position wise role and responsibility are detailed in the tables.

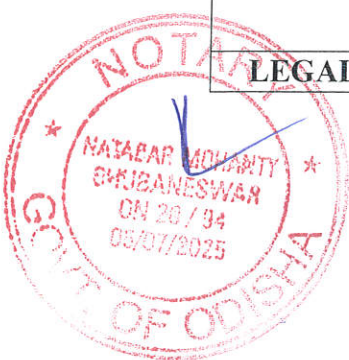
2. Grid Operation headed by CGM (Grid Operation)

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:		
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	<ul style="list-style-type: none"> • Monitoring of communication link 	1 No. DGM(T)



Work	Function	Manpower
Group	availability such as Optical Fiber, MW, PLCC etc.(to be maintained by STU) <ul style="list-style-type: none"> Monitoring of RTU availability in coordination with STU Telecom Dept. 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 	2 Nos. Dy. Manager(T) Total - 3 nos.
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
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 Status at SLDC as on 30.09.2021

1. Executive Staff Status as on 30.09.2021:

Sl. No.	Category of Posts	Sanction Strength	Existing Strength
1	Director (Chief Load Despatcher)	1	1
2	Executive Assistant to Director [DGM(E)]	1	0
3	Executive Assistant to Director [AGM(E)]	0	1
A. GRID OPERATION			
REAL TIME OPERATION			
4	CGM (Elect)	1	0
5	Executive Assistant to CGM [Deputy Manager (E)]	1	0
6	General Manager (Elect)	1	2
7	DGM (Elect)	1	6
8	AGM (Elect)	4	0
9	Manager (Electrical)	4	0
10	Deputy Manager (Electrical)	4	5
11	Assistant Manager (Electrical)	4	0
12	Assistant Manager (Telecom)	4	0
OPERATIONAL PLANNING			
13	DGM (Elect)	1	1
14	Deputy Manager (Electrical)	1	1
SCADA			
15	CGM (Telecom)	0	1
16	DGM (Telecom)	1	1
17	Deputy Manager (Telecom)	2	0
IT			
18	Sr. General Manager (IT)	0	1
19	Assistant Manager (IT)	0	1
B. OS, RA & MIS			
20	General Manager (Elect)	1	1
21	DGM (Elect)	1	1
22	AGM (Electrical)	1	0
23	Manager (Electrical)	1	2
24	Deputy Manager (Electrical)	0	1
25	Assistant Manager (Electrical)	4	1
26	Deputy Manager (Law)	1	0
C. COMMERCIAL SERVICES			



27	Sr. General Manager (Elect)	1	1
28	General Manager (Commercial, TS, C&M)	1	0
29	DGM (Electrical)	1	1
30	AGM (Elect)	1	1
31	Manager (Electrical)	2	3
32	Deputy Manager (Electrical)	2	0
33	Assistant Manager (Electrical)	3	0
D. HRM			
34	General Manager (HR)	1	1
35	DGM (HR)	1	0
36	Deputy Manager (HR)	1	0
E. FINANCE			
37	DGM (Finance)	1	1
38	Deputy Manager (Finance)	1	0
39	Junior Manager (Finance)	1	2
F. SECRETARIAL			
40	Sr. PS to Director	1	0
41	PA / PS	1	1
TOTAL EXECUTIVES		59	38

Note: In addition to above mentioned 38 executives, 4 nos. of Telecom employees are engaged at SLDC.

2. Non-Executive Staff status as on 30.09.2021:

Sl. No.	Category of Posts	Sanction Strength	Existing Strength
1	Steno / Comp. Asst.	4	0
2	Office Assistant	4	2
3	TC Operator	0	1
4	Head Mali	0	1
5	Junior Technician (Elect.)	0	1
6	Helper	0	1
TOTAL NON-EXECUTIVES		8	6

Note: In addition to the regular non-executive staff, 10 nos. contractual personnel (4 nos. Data Entry Operators + 2 nos. Drivers + 4 nos. attenders) are engaged at SLDC





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ଓଡ଼ିଶା ଜଳ ବିଦ୍ୟୁତ୍ ନିଗମ ଲିମିଟେଡ୍

(ଓଡ଼ିଶା ସରକାରଙ୍କ ଏକ ଉପକ୍ରମ)

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ଫୋନ : ୯୧-୦୬୭୪-୨୫୪୨୯୮୩, ୨୫୪୨୮୦୨, ୨୫୪୫୫୨୬, ୨୫୪୨୮୨୬, ଫାକ୍ସ : ୨୫୪୨୧୦୨

ODISHA HYDRO POWER CORPORATION LTD.

(A GOVT. OF ODISHA UNDERTAKING)

CIN : U40101OR1995SGC003963

REGD. OFFICE : ODISHA STATE POLICE HOUSING & WELFARE CORPORATION BUILDING, VANVIHAR CHOUK, JANPATH, BHUBANESWAR-751 022

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By Fax/E-mail

File No.: OHPC-190/05(Vol-VII) 7441 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.

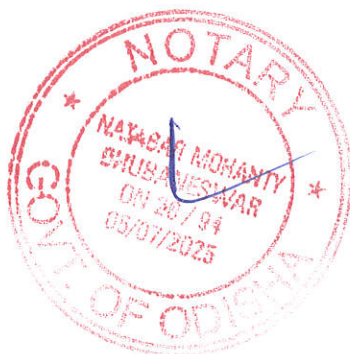
Sir,

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	Shut Down Period		Days Unavailable	Days Available	Per Day Average MW Availability
				From	To			
BHHP	#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 BHHP					368

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(ଓଡ଼ିଶା ସରକାରଙ୍କ ଏକ ଉପକ୍ରମ)

ଓଡ଼ିଶା ରାଜ୍ୟ ଆରକ୍ଷା ଶୁଦ୍ଧିକରଣ ଏବଂ ସମାଜିକ ନିଗମ ଉଦ୍ଦେଶ୍ୟ, ବାଣୀବିହାର ଛକ, କନକପୁର, ଭୁବନେଶ୍ୱର-୭୫
ଫୋନ୍ : ୯୧-୦୬୭୪-୨୫୪୨୯୮୩, ୨୫୪୨୯୦୨, ୨୫୪୫୫୨୬, ୨୫୪୨୯୨୬, ଫ୍ୟାକ୍ସ : ୨୫୪୨୯୦୨

ODISHA HYDRO POWER CORPORATION LTD.

(A GOVT. OF ODISHA UNDERTAKING)

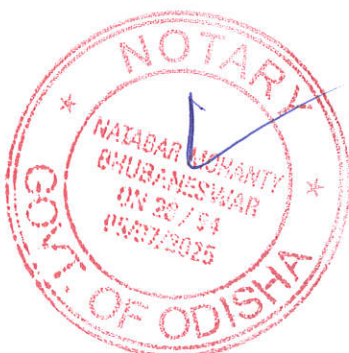
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PHONE : +91-0674-2542983, 2542802, 2545526, 2542826, FAX : 2542102

E-mail : ohpc.co@gmail.com / info@ohpc.co Website : www.ohpcld.com

HHHP	#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 HHHP					273.8
CHHP	#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 CHHP					58
RHHP	#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 RHHP					228
JKHHP	#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 UKHHP					306
UHHP	#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

ISO: 9001, 14001
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ଓଡ଼ିଶା ରାଜ୍ୟ ଆରକ୍ଷା ବ୍ୟବସ୍ଥା ଏବଂ ସମାଜସେବକ ନିଗମ ଭବନ, ବାମନବିହାର ଛକ, ଜନପଥ, ଭୁବନେଶ୍ୱର-୭୫
ଫୋନ୍ : ୯୧-୦୬୭୪-୨୫୪୨୯୮୩, ୨୫୪୨୮୦୨, ୨୫୪୫୫୨୬, ୨୫୪୨୮୨୬, ଫାକ୍ସ : ୨୫୪୨୧୦୨

ODISHA HYDRO POWER CORPORATION LTD.

(A GOVT. OF ODISHA UNDERTAKING)

CIN : U40101OR1995SGC003963

REGD. OFFICE : ODISHA STATE POLICE HOUSING & WELFARE CORPORATION BUILDING, VANIVIHAR CHOUK, JANPATH, BHUBANESWAR-751 022

PHONE : +91-0674-2542983, 2542802, 2545526, 2542026, FAX : 2542102

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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		2035.65	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.

