

**ANNUAL REVENUE REQUIREMENT
&
FEES AND CHARGES FOR STATE LOAD
DESPATCH CENTER, ODISHA**

FOR THE YEAR FY 2015-16

SUBMITTED TO
ODISHA ELECTRICITY REGULATORY COMMISSION



ODISHA POWER TRANSMISSION CORPORATION,
JANPATH, BHUBANESWAR

**BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION
BHUBANESWAR**

**Case No.....
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 2015-16.

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 2015-16 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.

As per the directions of Hon'ble Commission vide order dated 20.03.09, the functional organizational structure of SLDC has been prepared in line with ERLDC structure 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 for recovery of the outstanding amount for investments made by the POWERGRID on ULDC project shall be kept in the ARR of SLDC.

As per the Taskforce report, SLDC is liable to pay the recovery cost of control center equipments only. Since the assets presently being used at SLDC is yet to be transferred, the ULDC asset recovery charges are not considered in the ARR. However, the depreciation cost has been considered in the ARR for FY: 2015-16.

Provision of CAPEX Plan

The CAPEX plan for SLDC & Sub LDCs has been prepared as annexed at Annexure-V considering construction of separate buildings at 3 numbers of Sub LDCs & expansion of existing SLDC building. Further, back up communication between SLDC & Sub LDCs and provision of required hardware & other IT equipment, dedicated web server with Firewalls configuration for dashboard management to provide uninterrupted service to Users (DISCOMs), installation Video Conferencing system at SLDC, replacement of old A/C of SLDC Building and procurement of furniture & fixtures for EASSC have been provided in the CAPEX plan.

Organizational structure and their Functions (Provisional)

The man power structure proposed in the ARR is in line with ERLDC structure and as per the direction of the Commission in their previous order. The details of staffing structure is indicated at **Annexure-I**.

Provision of AMC charges for SCADA, Facility Management Services (FMS) for providing IT support, Website Charges for maintenance of SLDC website have been made under O&M expenses. Proposal for providing VPN connectivity to all DISCOMs has been kept.

Computation of item wise Annual Revenue Requirement for FY 2015-16

1. **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. **42.675** lacs as per CERC Regulation (Form-4B). The details of depreciation are indicated in **Form-6A, 6B & Annexure-VI**. Twenty five percent of depreciation amount arising from the CAPEX plan has been included anticipating completion of 25% of the items. The major amount of depreciation charges is for recovering the depreciation cost for Video Projection Screen (VPS) amounting Rs. **12.62** lacs and the depreciation cost for IT equipments at EASSC amounting Rs. **6.82** lacs.

(d) Operation and Maintenance expenses:

Operation and Maintenance expenses excluding Human Resources expenses for FY 2015-16 has been computed as **Rs.403.180 lacs (Form-7A)** considering the R&M expenditure proposed to be incurred for Facility Management Services (FMS), Website charges, AMC charges for SCADA / EMS equipments, IT equipments. Further, provision for Civil work / 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, although, the same has not been specifically approved by the Hon'ble Commission in the ARR for the FY 2014-15.

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 2015-16. The escalated rate of 5.72% of previous year's expenditure as provided in the OERC Regulation has not been adopted in some of the items.

Further, provision for VPN connectivity to the users (Discoms) operating under intra-state ABT regime has been included under R&M expenses. The estimated cost for the required hardware and software is Rs 10 lacs.

e) Human resources expenses:

Human resources expenses have been computed as **Rs.618.222** lacs. Hon'ble Commission have approved 81 numbers of personnel of different category to be deployed for carrying out SLDC function in line with ERLDC structure. The total numbers of employees at SLDC is proposed as 81 nos. as per the direction of Hon'ble Commission. The salary and other remuneration of the employees have been computed by prorating existing salary to the required numbers as indicated in **Form-7B (4)**. The details of Category of proposed Staffing structure are indicated in **Annexure-II**. The present staff strength of SLDC is 54 numbers as on 31.10.2014 including 16 numbers of Telecommunication personnel working at SLDC control centre. In addition to the above, 12 numbers of contractual / outsourcing staffs are engaged at SLDC as on date. The executives already transferred to SLDC are expected to join soon.

f) Interest on working capital:

The interest on working capital amounting Rs. 267.025 lacs computed as Rs. **27.37** lacs as per OERC Regulation considering 10.25% rate of interest (Bank interest). 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 2015-16:

Sl. No.	Particulars	2015-16
1	Return on Equity	0.000
2	Interest on Loan Capital	0.000
3	Depreciation	42.675
4.	O&M Expenses excluding human resource expenses	403.180
5.	Human Resource expenses	618.222
6.	Interest on Working Capital	27.370
	Total expenses	1091.447

- 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. Eighteen numbers of SLDC Executives have completed the Certification Training and successfully qualified. Further, ten numbers of Executives have taken Specialised training. For imparting training to balance executives, the expenditure for Training & Certification of LDC personnel has been projected as Rs **20** lacs for FY 2015-16 (7D-33).
- 3. SLDC Assets:-** Most of the assets of SLDC along with sub-SLDC have been identified 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**

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 & buyers - 45% on the basis of allocation

Market Operation Charges (MOC) shall be collected equally from the Discoms and Generating Companies apportioning to the entitlement and installed Capacity respectively.

For the purpose of determination of the above charges for CGPs, the maximum MW scheduled during April to October 2014 has been considered. Some CGPs / Generators have stopped generation during the FY 2014-15. It is proposed not to consider the above generator for purpose of SLDC charges till its revival. However, in case of RSP, the approved schedule quantum for FY: 2014-15 has been considered for purpose of SLDC charges since the above User is generating and involved in importing power during April to October 2014. M/s Seven Star Steels Ltd. has not been considered for purpose of SLDC charges since the above User is selling power to WESCO using their network and SLDC is not scheduling its power. M/s Aftab Solar Pvt. Ltd. has been considered for the purpose of SLDC charges.

Some of the industries are also importing power through 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.

Abstract of collection of SLDC charges proposed for FY 2015-16:

(Rs in Lacs)

Annual charges (AFC)	1091.447
System Operation Charges (SOC) (80% of the AFC)	873.157
Intra State Transmission Licensee @10% of SOC	87.316
Generating Station & Sellers @45% of SOC	392.921
Distribution Licensees & Buyers@45% of SOC	392.921
Market Operation Charges (MOC) (20% of the AFC)	218.289
Generating Station & Sellers @50% of MOC	109.145
Distribution Licensees & Buyers@50% of MOC	109.145

C) 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 registration fee from the industries who are importing power through Inter-State open access.

5. **Application fee and scheduling charges:-** Application fee and Scheduling charges of Rs 5000/- per application and Rs.2000/- per day or part thereof respectively shall be paid by the short term open access Customers as per CERC Regulation.

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.1091.447 lacs** for FY 2015-16 towards State Load Dispatch Centre (SLDC) function separately and kindly allow recovering the same from the users.

Bhubaneswar
29th November 2014

BY THE APPLICANT
THROUGH

Sr. General Manager (PS)
OPTCL, Bhubaneswar

**BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION
BHUBANESWAR**

**Case No.....
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IN THE MATTER OF: Odisha Power Transmission Corporation Limited.,
Janpath, Bhubaneswar.

... Applicant

Affidavit verifying the Application

I, Sri Manoranjan Mohanty, son of Late Baishnab Charan Mohanty, aged about 57 years, presently working at SLDC, Bhubaneswar do solemnly affirm and say as follows:

I am the Sr. General Manager (Power System) 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, 2014

DEPONENT

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

Annual charges	1091.447
Total Cost (Annual Fixed Cost)	1091.447
System Operation Charges (SOC) (80% of the AFC)	873.157
Market Operation Charges (MOC) (20% of the AFC)	218.289
System Operation Charges (SOC)	873.157
Intra State Transmission Licensee @10% of SOC	87.316
Generating Station & Sellers @45% of SOC	392.921
Distribution Licensees & Buyers@45% of SOC	392.921
(a) Intra State Transmission Licensee (SOC per month)	7.276
(b) Generating Station & Sellers	392.921

(Rs. in Lacs)

Sl. No.	Generatina Combanv / Sellers	Installed Capacity (MW)	Total amount	Total amount
			(Annual)	(Monthly)
A	State Generating Station			
1	OHPC	2027.50	177.206	14.767
2	OPGC	420.00	36.709	3.059
3	TTPS	460.00	40.205	3.350
B	Small Hydro & Bio-mass			
4	OPCL (Small Hydro)	20.00	1.748	0.146
5	Meenakshi (Small Hydro)	37.00	3.234	0.269
6	Shalivahana Green Energy Ltd	0.00	0.000	0.000
C	IPP			
7	Sesa Sterlite Limited	600.00	52.441	4.370
D	CGPs	Maximum Scheduled (MW) (up to end of October-2014)		
8	Aarti Steel Ltd	44.00	3.846	0.320
9	Action Ispat & Power Pvt. Limited	30.00	2.622	0.219
10	Aryan Ispat & Power Pvt. Ltd.	7.00	0.612	0.051
11	Bhusan Power & Steel Ltd.,Jharsuguda	90.00	7.866	0.656
12	Bhusan Steel Limited, Meramundali	3.00	0.262	0.022
13	FACOR Power Ltd.	10.00	0.874	0.073
14	HINDALCO	17.00	1.486	0.124
15	IFFCO	10.00	0.874	0.073
16	IMFA	57.50	5.026	0.419
17	Jindal Stainless Limited, Duburi	76.03	6.645	0.554
18	Jindal Steel & Power Ltd., Angul	250.64	21.906	1.826
19	Maithan Ispat Limited	2.00	0.175	0.015
20	MSP Metalicks Limited	5.50	0.481	0.040
21	NALCO, Angul	57.00	4.982	0.415
22	Narbheram Power & Steel (P) Ltd	3.00	0.262	0.022
23	Nava Bharat Ventures Limited	56.79	4.964	0.414
24	Nilachal Ispat Nigam Limited	8.00	0.699	0.058
25	OCL India Ltd.	19.62	1.715	0.143
26	Orissa Sponge Iron Limited	0.00	0.000	0.000
27	Pattaniak Steel & Alloys Limited	2.00	0.175	0.015
28	Rathi Steel & Power Limited	0.00	0.000	0.000
29	RSP	4.00	0.350	0.029
30	Seven Star Steels Ltd.	0.00	0.000	0.000
31	Shree Ganesh Metalicks Limited	1.90	0.166	0.014
32	Shyam Metalicks & Energy Limited	1.00	0.087	0.007
33	SMC Power generation	4.00		
34	Tata Sponge Iron Limited	19.00	1.661	0.138
35	SESA Sterlite Limited, CGP,Jharsuguda	60.00	5.244	0.437
36	SESA Sterlite Limited, CGP,(Lanjigarh)	5.00	0.437	0.036
37	VISA Steel Limited	25.00	2.185	0.182
38	Yazdani Steel & Power Limited	2.00	0.175	0.015
39	Aditya Alluminium Limited	55.00	4.807	0.401
40	Aftab Solar Pvt. Ltd.	5.11	0.447	0.037
	Total	4495.59	392.571	32.714
(c)	Distribution Licensees & Buyers		392.921	
		% share		
41	CESU	36.85	144.791	12.066
42	NESCO	21.73	85.382	7.115
43	WESCO	27.80	109.232	9.103
44	SOUTHCO	13.62	53.516	4.460
	Total	100.00	392.921	32.743

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

218.289
109.145

(Rs. in Lacs)

Sl. No.	Generating Company / Sellers	Installed Capacity (MW)	Total amount	Total amount
			(Annual)	(Monthly)
A	State Generating Station			
1	OHPC	2027.50	49.224	4.102
2	OPGC	420.00	10.197	0.850
3	TTPS	460.00	11.168	0.931
B	Small Hydro & Bio-mass			
4	OPCL (Small Hydro)	20.00	0.486	0.040
5	Meenakshi (Small Hydro)	37.00	0.898	0.075
6	Shalivahana Green Energy Ltd	0.00	0.000	0.000
C	IPP			
7	Sterlite Energy Limited	600.00	14.567	1.214
D	CGPs	Maximum Scheduled (MW) (up to end of October-2014)		
8	Aarti Steel Ltd	44.00	1.068	0.089
9	Action Ispat & Power Pvt. Limited	30.00	0.728	0.061
10	Aryan Ispat & Power Pvt. Ltd.	7.00	0.170	0.014
11	Bhusan Power & Steel Ltd.,Jharsuguda	90.00	2.185	0.182
12	Bhusan Steel Limited, Meramundali	3.00	0.073	0.006
13	FACOR Power Ltd.	10.00	0.243	0.020
14	HINDALCO	17.00	0.413	0.034
15	IFFCO	10.00	0.243	0.020
16	IMFA	57.50	1.396	0.116
17	Jindal Stainless Limited, Duburi	76.03	1.846	0.154
18	Jindal Steel & Power Ltd., Angul	250.64	6.085	0.507
19	Maithan Ispat Limited	2.00	0.049	0.004
20	MSP Metallicks Limited	5.50	0.134	0.011
21	NALCO, Angul	57.00	1.384	0.115
22	Narbheram Power & Steel (P) Ltd	3.00	0.073	0.006
23	Nava Bharat Ventures Limited	56.79	1.379	0.115
24	Nilachal Ispat Nigam Limited	8.00	0.194	0.016
25	OCL India Ltd.	19.62	0.476	0.040
26	Orissa Sponge Iron Limited	0.00	0.000	0.000
27	Pattaniak Steel & Alloys Limited	2.00	0.049	0.004
28	Rathi Steel & Power Limited	0.00	0.000	0.000
29	RSP	4.00	0.097	0.008
30	Seven Star Steels Ltd.	0.00	0.000	0.000
31	Shree Ganesh Metallicks Limited	1.90	0.046	0.004
32	Shyam Metallicks & Energy Limited	1.00	0.024	0.002
33	SMC Power generation	4.00	0.097	0.008
34	Tata Sponge Iron Limited	19.00	0.461	0.038
35	Vedanta Aluminium Limited (Jharsuguda)	60.00	1.457	0.121
36	Vedanta Aluminium Limited (Lanjigarh)	5.00	0.121	0.010
37	VISA Steel Limited	25.00	0.607	0.051
38	Yazdani Steel & Power Limited	2.00	0.049	0.004
39	Aditya Aluminium Limited	55.00	1.335	0.111
40	Aftab Solar Pvt. Ltd.	5.11	0.124	0.010
	Total	4495.59	109.145	9.095

(b) Distribution Licensees & Buyers @ 50% of MOC

109.145

Sl.		% share		
40	CESU	36.85	40.220	3.352
41	NESCO	21.73	23.717	1.976
42	WESCO	27.80	30.342	2.529
43	SOUTHCO	13.62	14.866	1.239
	Total	100	109.145	9.095

**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	Proposed Organizational structure & their functions (Annexure-I & II)	✓
2	Cash Flow Statement up to September 2014 (Annexure-III)	✓
3	Detail status of SLDC development fund (Annexure-IV)	✓
4	Detail of CAPEX Plan (Annexure-V)	✓
5	Depreciation of Capital Expenditure (Annexure-VI)	✓

Summary Sheet

Form- 1

State Load Despatch Centre, Odisha

(Rs. in lacs)

Sl.No.	Particulars	Form No	2015-16
1	2	3	4
1	Return on Equity		0.000
2	Interest on Loan Capital		0.000
3	Depreciation	6-A	42.675
4.	O&M Expenses excluding human resource expenses	7-A	403.180
5.	Human resource expenses	7-B(4)	618.222
6.	Interest on Working Capital	8	27.37
Total			1091.447

Statement of Depreciation

State Load Despatch Centre, Odisha

(Amount in lacs)

Financial Year	2013-14	2014-15	2015-16
1	2	3	4
Recovery of Capital Cost (Amount to be recovered during the year)	0.000	0.000	18.211
Depreciation on existing assets	30.834	26.328	24.464
TOTAL	30.834	26.328	42.675

Form- 6B

Calculation of depreciation cost

State Load Despatch Centre, Odisha

(Amount in lacs)

Sl. No.	Name of the Assets	Gross Block as on 31.03.2014	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for the year 2015-16
	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	07.51	5.28%	0.397
6.	Isolation transformer & ACDB for UPS	09.91	5.28%	0.523
7.	Underground Cables	00.76	5.28%	0.040
8.	Over Head LT lines	00.00	5.28%	0.000
9.	AC Plant	00.00	5.28%	0.000
10.	Split type Air Conditioner	12.49	5.28%	0.659
11.	DG Sets	13.96	5.28%	0.737
12.	Office Furnitures	00.72	6.33%	0.046
13.	Office equipment	00.07	6.33%	0.005
14.	Internal Wiring	16.41	6.33%	1.039
15.	Street Light	09.15	5.28%	0.483
16.	Communication Equipment (intercom system)	00.00	6.33%	0.000
17.	IT equipment such as computers, printers including equipments at EASS centre	45.46	15.00%	6.820
18.	Software for EASS	01.34	30.00%	0.403
19.	Video Projection System (VPS)	84.14	15.00%	12.620
20.	End User's equipments such as router etc. to receive the metering data	02.93	15.00%	0.439
21.	Vehicle	04.80	5.28%	0.253
	TOTAL	209.66		24.464
	Weighted Average Rate of Depreciation (%)	11.67		

*Assets of ULDC projects except battery, UPS & DG Set have not been considered for computation of depreciation cost as they are owned by PGCIL.

* 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

(Rs. In Lacs)

SL No	ITEMS	Form No	2013-14 (Actual)	2014-15 (Approved)	2014-15 (Actual up to Sept.-14)	2015-16 (Prop.)
1	2	3	4	5	6	7
1	Repairs and maintenance expenses	7-C	191.770	371.020	105.761	270.500
2	Administrative and general expenses, etc	7-D	112.370		38.144	132.680
	Total		304.140	371.020	143.905	403.180

Form - 7B(1)

Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2013-14)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2014-15)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2014-15)
4. EXPECTED FOR ENSUING YEAR(2015-16)

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		97.2	13.1	15.1	8.04	133.440
2.	Over-time						0.000
3.	Dearness Allowance		88.2	12	13.05	7.1	120.350
4.	Other Allowance such as shift, Conveyance, ABT, green card washing etc.		9	0.68	1.68	0.9	12.260
5.	Contractual Staff Payment					8.83	8.830
6.	Productivity Linked Incentive						
7.	Sub Total (1 to 6)						274.880
	OTHER STAFF COST						
8.	Reimbursement of Medical Expenses		5.19	0.8	0.89	0.69	7.570
9.	Leave Travel Concession						0.000
10.	Reimbursement of House Rent		14.83	0.94	1.62	0.93	18.320
11.	Interim Relief to Staff					0.384	0.384
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)						26.274
18.	Staff Welfare Expenses						0.000
19.	Terminal Benefits		1.2				1.200
20.	Provisions-Arrear Salary(RPP)*						0.000
21.	Others (Specify) Uniform & liveries					0.66	0.660
22.	Total (7+17+18+19+20+21)		215.620	27.520	32.340	27.534	303.014
23.	Revenue recovered, if any						0.000
24.	Net Total (22-23)		215.620	27.520	32.340	27.534	303.014

* Included in salary

ADDITIONAL INFORMATION							
1.	No. of Employees as on :	31.03.2014					
	i) Executives		27	2			29
	ii) Non-Executives				7	4	11
	iii) Skilled						
	iv) Non-Skilled						
	v) Contractual Staff / outsourcing		1		3	7	11
	Total						51
2.	No. of Employees per						
	i) MW handled						
	ii) MKwh handled						

Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2013-14)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2014-15)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2014-15)
4. EXPECTED FOR ENSUING YEAR(2015-16)

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		57.560	5.840	15.700	6.420	85.520
2.	Over-time						0.000
3.	Dearness Allowance		57.590	5.890	15.790	6.460	85.730
4.	Other Allowance such as shift, Conveyance, ABT, green card washing etc.		6.2	0.310	1.250	0.600	8.360
5.	Contractual Staff Payment					4.09	4.090
6.	Productivity Linked Incentive						
7.	Sub Total (1 to 6)						183.700
OTHER STAFF COST							
8.	Reimbursement of Medical Expenses		2.850	0.293	0.780	0.320	4.243
9.	Leave Travel Concession		0.000				0.000
10.	Reimbursement of House Rent		9.090	0.000	1.610	0.640	11.340
11.	Payment to apprentice trainee						0.210
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)						15.793
18.	Staff Welfare Expenses		0.052	0.010	0.036	0.010	0.108
19.	Terminal Benefits		0.650				0.650
20.	Provisions - RPP*						0.000
21.	Others (Specify) (Uniform & Liveries)					0.000	0.000
22.	Total (7+17+18+19+20+21)		133.992	12.343	35.166	18.540	200.251
23.	Revenue recovered, if any						0.000
24.	Net Total (22-23)		133.992	12.343	35.166	18.540	200.251

* Included in salary

ADDITIONAL INFORMATION							
1.	No. of Employees as on :	30.10.2014					
	i) Executives		34	2			36
	ii) Non-Executives				15	3	18
	iii) Skilled						
	iv) Non-Skilled						
	v) Contractual Staff / outsourcing		1		3	8	12
	Total						66
2.	No. of Employees per						
	i) MW handled						
	ii) MKwh handled						

Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2013-14)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2014-15)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2014-15)
4. EXPECTED FOR ENSUING YEAR(2015-16)

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		60.316	6.424	16.270	6.962	89.972
2.	Over-time						
3.	Dearness Allowance		63.653	6.712	17.506	7.024	94.895
4.	Other Allowance such as shift, Conveyance, ABT, green card washing etc.		6.789	0.401	1.500	0.075	8.765
5.	Contractual Staff Payment					5.060	5.060
6.	Productivity Linked Incentive						
7.	Sub Total (1 to 6)						198.69
	OTHER STAFF COST						
8.	Reimbursement of Medical Expenses		3.016	0.321	0.814	0.348	4.499
9.	Leave Travel Concession		0.800	0.260	0.200	0.100	1.360
10.	Reimbursement of House Rent		9.856	0.000	2.146	0.862	12.864
11.	Payment to apprentice trainee						0.42
12.	Encashment of Earned Leave	Included in salary					
13.	Honorarium						
14.	Payment under Workmen compensation Act						
15.	Ex-gratia						0.000
16.	Expenditure on VRS						
17.	Sub Total (8 to 16)						19.143
18.	Staff Welfare Expenses		0.230	0.100	0.025	0.030	0.385
19.	Terminal Benefits		0.700				0.700
20.	Provisions- RPP (25 Nos.)		8.000				8.000
21.	Others (Specify) (Uniform & Liveries)					1.701	1.701
22.	Total (7+17+18+19+20+21)		153.360	14.218	38.461	22.162	228.621
23.	Revenue recovered, if any						0.000
24.	Net Total (22-23)		153.360	14.218	38.461	22.162	228.62
	ADDITIONAL INFORMATION						
1.	No. of Employees as on :	30.10.2014					
	i) Executives		34	2			36
	ii) Non-Executives				15	3	18
	iii) Skilled						
	iv) Non-Skilled						
	v) Contractual Staff / outsourcing		1		3	8	12
	Total						66
2.	No. of Employees per						
	i) MW handled						
	ii) MKwh handled						

Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2013-14)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2014-15)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2014-15)
4. EXPECTED FOR ENSUING YEAR(2015-16)

State Load Despatch Centre, Odisha

Fig in Lacs

Sl.No.	Account Code	Executive		Non-Executive		Total
		Technical	Non-Tech.	Technical	Non-Tech.	
1.	Salaries	178.547	12.632	32.929	13.783	237.892
	Over-time					
2.						
3.	Dearness Allowance	214.257	15.158	39.515	16.540	285.470
4.	Other Allowance such as shift, Conveyance, ABT, green card washing etc.	19.101	0.711	2.750	0.675	23.237
5.	Contractual Staff Payment (included in the salary)					
6.	Compensation for LDC Personnel					12.000
7.	Sub Total (1 to 6)	411.906	28.501	75.194	30.999	558.600
	OTHER STAFF COST					
8.	Reimbursement of Medical Expenses	8.626	0.614	1.594	0.668	11.502
9.	Leave Travel Concession	1.500	0.500	0.500	0.500	3.000
10.	Reimbursement of House Rent	27.862	0.000	3.756	1.502	33.120
11.	Payment to apprentice trainee					1.300
12.	Encashment of Earned Leave					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)	37.988	1.114	5.850	2.670	47.622
18.	Staff Welfare Expenses	0.300	0.100	0.100	0.500	1.000
19.	Terminal Benefits	0.000	0.000	0.000	0.000	0.000
20.	Provisions - RPP for executives	10.000				10.000
21.	Others (Specify) (Uniform & Liveries))					1.000
22.	Total (7+17+18+19+20+21)	460.194	29.715	81.144	34.169	618.222
23.	Revenue recovered, if any					0.000
24.	Net Total (22-23)	460.194	29.715	81.144	34.169	618.222
	ADDITIONAL INFORMATION					
1.	No. of Employees as on : 30.10.14					
	i) Executives	34	2			36
	ii) Non-Executives			15	3	18
	iii) Skilled					
	iv) Non-Skilled					
	v) Contractual Staff / outsourcing	1		3	8	12
	Total					66
2.	No. of Employees per					
	i) MW handled					
	ii) MKwh handled					

Repairs and Maintenance Expenses

State Load Despatch Centre, Odisha

Fig in Lacs

Sl.No.	Description	Actuals for previous Financial Year 2013-14	Current Financial Year			Estimates for ensuing year 2015-16
			Actual For First Six Months Up to Sept' 14	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 light vehicle)	0.210	0.065	0.435	0.500	0.500
4	Civil works repairs and maintenance (Leak proof treatment to roofs & maintenance of residential buildings)	0.000	0.000	0.000	0.000	10.000
5	Electrical maintenance of Office Building, Colony quarters including Street light.	2.270	1.087	2.613	3.700	6.000
6	Leased Internet connectivity	0.000	0.000	0.000	0.000	0.000
7	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
8	Provision of VPN connectivity to DISCOMs for dashboard data	0.000	0.000	0.000	0.000	10.000
9	AMC charges for:-					
9a	Leased Internet connectivity & RF Link	0.000	0.000	0.000	0.000	0.000
9b	Website service charges	2.830	1.490	1.510	3.000	3.000
9c	Band width charges for WAN	0.000	0.000	0.000	0.000	0.000
9d	SCADA / EMS equipment & VPS	156.630	96.630	100.370	197.000	200.000
9e	APS equipment	0.000	0.000	0.000	0.000	1.000
9f	Computers and peripharals, Software	28.070	6.460	38.040	44.500	34.000
9g	FAX , Photo copier , Air Conditioners etc	1.760	0.029	4.671	4.700	3.000
10	Replacement of damaged furnitures and Repair of furnitures & fixures	0.000	0.000	1.000	1.000	3.000
11	Total (1 to 10)	191.770	105.761	148.639	254.400	270.500
12	Revenue recoveries, if any	0.000	0.000	0.000	0.000	0.000
13	Net Total (11-12)	191.770	105.761	148.639	254.400	270.500

Details of Administrative and General (A&G) expenses

State Load Despatch Centre, Odisha

Fig in Lacs

Sl. No.	Description	Actuals for previous Financial Year 2013-14	Current Financial Year			Estimates for ensuing year 2015-16
			Actual For First Six Months (up to Sept, 2014)	Projection For Balance Six Months	Total	
PROPERTY RELATED EXPENSES						
1	Licence Fees	0.000	0.000	0.000	0.000	0.000
2	Rent	0.000	0.000	0.000	0.000	0.000
3	Rates & Taxes	0.000	0.000	0.000	0.000	0.000
4	Insurance	0.172	0.051	0.099	0.150	0.120
5	Contribution to accident reserve fund	0.000	0.000	0.000	0.000	0.000
6	Sub total :	0.172	0.051	0.099	0.150	0.120
COMMUNICATION						
7	Telephone & Trunk Call	4.193	1.730	2.900	4.630	4.200
8	Postage & Telegram, Telex, Teleprinter Charges, Telefax	0.400	0.220	0.230	0.450	0.500
9	Courier Charges	0.000	0.000	0.000	0.000	0.100
10	Other	0.000	0.000	0.000	0.000	0.000
11	Sub total :	4.593	1.950	3.130	5.080	4.800
PROFESSIONAL CHARGES						
12	Legal expenses	4.406	0.003	3.997	4.000	5.000
13	Consultancy & Facility Management Service Charges	3.520	1.500	2.500	4.000	5.000
14	Technical fees	0.000	0.000	0.000	0.000	0.000
15	Audit fees	0.000	0.000	0.000	0.000	0.000
16	Other charges	0.000	0.000	0.000	0.000	0.000
17	Sub total :	7.926	1.503	6.497	8.000	10.000
CONVEYANCE & TRAVELLING						
18	Conveyance expenses (Fuel)	1.120	0.760	1.240	2.000	2.000
19	Travelling expenses	18.863	7.140	0.860	8.000	14.000
20	Hire charges of vehicle	4.065	2.270	1.730	4.000	4.500
21	Others	0.008	0.000	0.000	0.000	0.000
22	Sub total :	24.056	10.170	3.830	14.000	20.500
OTHER EXPENSES						
23	Electricity charges	36.240	15.680	20.510	36.190	38.000
24	Fees & Subscription	0.000	0.000	0.000	0.000	0.000
25	Books & Periodicals	0.040	0.014	0.086	0.100	0.110
26	Printing & Stationery	1.303	0.461	0.539	1.000	1.500
27	Advertisement	0.500	0.700	0.300	1.000	2.000
28	Entertainment	0.205	0.120	0.130	0.250	0.250
29	Watch & Ward	13.500	4.950	9.050	14.000	15.000
30	Miscellaneous	1.406	0.800	0.200	1.000	1.400
31	Organisational Development Expenses Cultural, Sports etc	0.000	0.000	0.000	0.000	0.200
32	Outsourcing of collection of Metering data from regional interconnection points	11.760	0.860	11.140	12.000	13.000
33	Training (including certification of operators) + ERP Training, Data entry & data integration	8.764	0.040	19.960	20.000	20.000
34	Sub total :	73.718	23.625	61.915	85.540	91.460
MATERIAL RELATED EXPENSES						
35	Demurrage and Wharfage on materials	0.000	0.000	0.000	0.000	0.000
36	Clearing & forwarding charges	0.000	0.000	0.000	0.000	0.000
37	Transit insurance	0.000	0.000	0.000	0.000	0.000
38	Sub total :	0.000	0.000	0.000	0.000	0.000
39	Others (Specify)	0.000	0.000	0.000	0.000	0.000
40(a)	Gardening	0.000	0.000	0.200	0.200	2.000
40(b)	Meetings	0.725	0.310	2.090	2.400	2.500
40(c)	Office up-keeping	1.180	0.535	0.715	1.250	1.300
41	Sub total :	1.905	0.845	3.005	3.850	5.800
42	Total (6+11+17+22+34+38+41)	112.370	38.144	78.476	116.620	132.680
43	Revenue recoveries, if any	0.000	0.000	0.000	0.000	0.000
44	Net Total (42-43)	112.370	38.144	78.476	116.620	132.680

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)	33.598
2	Human resource expenses for one month (7-B4)	51.518
3	Receivables (2 months of SOC & MOC)	181.908
4	Total Working Capital	267.025
5	Rate of Interest	10.25%
6	Interest on Working Capital	27.37

ANNEXURE-I

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 SGM for conducting the real time grid operation / support services and commercial activities respectively. For technical assistance one Executive Assistant in the rank of Manager and one no. of Private Secretary / PA 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.

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 Sub-SLDC function <ul style="list-style-type: none"> • Monitoring of communication link and RTU availability • Co-ordination with SLDC SCADA unit 	1 No DGM (Elec) SLDC – 4 groups 5 Nos. of Executives in each group consisting of 1 No. AGM 1 No. Manager 2 Nos. Dy. Manager 1 No. DM(T) Sub-SLDC - 3 nos. 5 executives in each Sub-SLDC consisting of 1 No Manager (E) 4 Nos DM (T) in shift Total - 36 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. Manager 1 Nos of Dy. Managers Total-2 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 	1 No DGM 1 No. Manager 1 No Dy. Manager Total- 3 nos.

Work	Function	Manpower
	with the State generators, ISGS allotment and neighboring utilities such as CGP, DISCOMs, etc. <ul style="list-style-type: none"> • 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 	
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 	1 No Manager 2 Nos Dy. Manager Total-3 nos.

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
Sr. GENERAL MANAGER (Elect) (Commercial, TS & C & M):		
A. 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. GM 1 No AGM 1 No Managers 3 Nos D.M, Total - 06 nos.

Work	Function	Manpower
B. Technical Services / Contract & Material Management Group	<ul style="list-style-type: none"> • AC/DC auxiliary supply • Diesel generator operation and maintenance • UPS, battery, battery charger maintenance • Safety • Civil works maintenance. • Air conditioning plant maintenance. • Award of contract and contract execution • Material management and maintenance of stores. 	1 Nos. Dy. Manager Total - 1 nos.
C. 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 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 	1 Nos. Manager(T) 1 No. Dy. Manager(T) Total - 2 nos.

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 Asst. Manager Total - 1 no.
B. FINANCE	<ul style="list-style-type: none"> • Drawing and Disbursing functions • Auditing • Reconciliation • Maintenance of asset registers • Budget • Accounts 	1 No Manager 1 Nos Asst Manager Total - 2 nos.

Abstract of Staff Requirement for SLDC

Executive Staff Requirement:

Sl. No.	Category of Posts	Total Nos.
1	Director (Chief Load Despatcher)	01
2	Executive Assistant to Director [Manager(E)]	01
A. GRID OPERATION		
REAL TIME OPERATION		
3	CGM (Elect)	01
4	General Manager (Elect)	01
5	DGM (Elect)	01
6	AGM (Elect)	04
7	Manager (Electrical)	04
8	Deputy Manager (Electrical)	08
9	Deputy Manager (Telecom)	04
Sub LDC (3 nos)		
10	Manager (Elect)	03
11	Deputy Manager (Telecom)	12
OPERATIONAL PLANNING		
12	AGM (Elect)	
13	Manager (Electrical)	01
14	Deputy Manager (Electrical)	01
B. OS, RA & MIS		
15	General Manager (Elect)	01
16	DGM (Elect)	01
OPERATION SERVICES		
17	Manager (Electrical)	01
18	Deputy Manager (Electrical)	01
MIS & Regulatory Affairs		
19	Manager (Electrical)	01
20	Deputy Manager (Electrical)	02
C. COMMERCIAL SERVICES		
21	Sr. General Manager (Elect)	01
Commercial, Tech Services, Contract & Material Management		
22	General Manager (Commercial, TS, C&M)	01
COMMERCIAL		
23	DGM(Elect)	
24	AGM (Elect)	01
25	Manager (Electrical)	01
26	Deputy Manager (Electrical)	03
TECHNICAL SERVICES / CONTRACT & MATERIAL MANAGEMENT		
27	Deputy Manager (Electrical)	01
SCADA		
28	AGM (Telecom)	
29	Manager (Telecom)	01
30	Deputy Manager (Telecom)	01

Sl. No.	Category of Posts	Total Nos.
1.4 HRM		
31	Assistant Manager (HR)	01
1.5 FINANCE		
32	Manager (Finance)	01
33	Assistant Manager (Finance)	01
1.6 SECRETARIAL		
34	PS to Director	01
	TOTAL EXECUTIVES	63

Non-Executive Staff Requirement:

Sl. No.	Category of Posts	Total Nos.
1	Steno / Typist / Comp. Asst.	02
2	Office Assistant(Gr-I, II & LDC)	03
3	Semi skilled Assistant / Operator	03
4	Helper for Real time	05
5	Peon/Attendant	04
6	Driver	01
	TOTAL NON-EXECUTIVES	18

Total Staff Requirement proposed for SLDC=A+B =63+18=81 Nos.

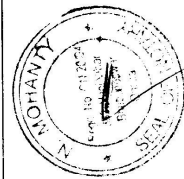
ANNEXURE - II

**Category of proposed staffing structure
State Load Despatch Centre, Odisha**

Sl. No.	Category	Electrical	Telecom	Total
Technical				
1	Director (Chief Load Despatcher)	1		1
2	CGM	1		1
3	Sr. General Manager	1		1
4	General Manager	3		3
5	Dy. General Manager	2		2
6	Asst. General Manager	5		5
7	Manager	12	1	13
8	A.M. / Dy. Manager	16	17	33
Non-Technical				
9	Manager (F)		1	1
10	Asst. Manager (HRM)		1	1
11	Asst. Manager (F)		1	1
12	Private Secretary		1	1
Non-Executive Staff				
13	Grade -I	1		1
14	Grade -II	1		1
15	L.D.Asst.	1		1
16	Steno / Computer Asst.	2		2
17	Fax Operator	3		3
18	Driver	1		1
19	Helper (Real Time)	5		5
20	Peon	4		4
	Total			81

POWER SYSTEM, S L D C, MANCHESWAR
CASH FLOW STATEMENT FOR THE PERIOD : APRIL '2014 TO SEPTEMBER '2014

PARTICULAR	Ap-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	TOTAL
OB	13966201.85	6364063.85	8785308.85	12578117.85	10013194.35	6180505.85	13966201.85
RECEIPT							
COLLECTION FROM DEBTORS (SOC & MOC)	6914378.00	9564152.00	6523505.00	6725088.50	6661645.50	6806461.00	43195230.00
SCHEDULING CHARGES	906760.00	936800.00	970880.00	1056320	712800.00	657520.00	5191080.00
REGISTRATION FEES	0.00	100000.00	0.00	100000	0.00	0.00	200000.00
APPLICATION FEES	1850000.00	2050000.00	4650000.00	3450000	4800000.00	2050000.00	18850000.00
SECURITY DEPOSIT	0.00	0.00	0.00	0.00	6200000.00	0.00	6200000.00
INVESTMENT MATURED	10100000.00	0.00	0.00	0.00	0.00	0.00	10100000.00
INTEREST ON INVESTMENT	873166.00	0.00	0.00	0.00	0.00	0.00	873166.00
TERMINAL BENEFIT FROM TRUST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER RECEIPTS	150	18240	31372	1179150	41121	96932	1366965.00
RECEIVE FROM HQR.	566830	102927	0.00	0.00	0.00	682000	1351757.00
TOTAL	19546284.00	10927119.00	7940757.00	9405558.50	8515566.50	8447913.00	64783198.00
PAYMENT							
CAPITAL EXPENDITURE	0.00	848560.00	118409.00	806400.00	0.00	947810.00	2721179.00
R & M EXPENSES	15916.00	4062352.00	28709.00	113419.00	5629815.00	90195.00	9940406.00
EMPLOYEES COST	3941081.00	3091274.00	3035082.00	2550747.00	3599137.00	4430911.00	20648232.00
A & G EXPENSES	668577.00	437155.00	832239.00	966832.00	358210.00	469640.00	3732653.00
OTHER EXPENSES	3499.00	0.00	10800.00	1000.00	1200.00	15000.00	31499.00
INVESTMENT IN FD	22500000.00	0.00	0.00	7500000.00	0.00	0.00	30000000.00
SECURITY DEPOSIT REFUND	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TERMINAL BENEFIT PAID	19349.00	66533.00	13663.00	8667.00	266775.00	108778.00	483765.00
PAYABLE TO HQR	0.00	0.00	109046.00	23417.00	2493118.00	1600155.00	4225736.00
TOTAL	27148422.00	8505874.00	4147948.00	11970482.00	12348255.00	7662489.00	71783470.00
CLOSING BALANCE	6364063.85	8785308.85	12578117.85	10013194.35	6180505.85	6965929.85	6965929.85

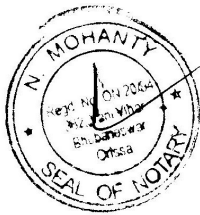


Accountant

ANNEXURE - IV

SLDC DEVELOPMENT FUND

		Fig. as per T.B
A/C HEAD	DETAILS	2013-14
	Opening Balance	151203550.70
REVENUE	64710 Scheduling Charges	10622000.00
	64610 Registration Fees	500000.00
	64310 Application Fees	2540000.00
	64410 System Operating Charges	64352995.00
	64510 Market Operating Charges	16105924.00
		A
EXPENDITURE	10 Capital Expenditure	11544.00
	74 O & M Expenditure	19177764.00
	75 Employees Cost	30333778.00
	76 A & G Expensess	11237501.05
	78 Discount to customers & Bank Charges	783731.00
		B
	A-B	32576600.95
62220	Interest on Fixed Deposit	15734646.00
	TOTAL	199514797.65



ANNEXURE-V**DETAILS OF CAPITAL EXPENDITURE PROPOSED***Fig in Lacs*

Sl. No.	Item	Amount
1	Construction of New Building for 3 nos. of Sub-LDC at Budhipadar, Jaynagar & Meramundali	300.00
2	Expansion of existing SLDC building at Bhubaneswar	200.00
3	Procurement of Hardware & associated IT equipment at Sub-LDCs	100.00
4	Provision of back up communication link between SLDC & Sub-LDCs	1.00
5	Dedicated web server with Firewalls configuration for dashboard management to provide uninterrupted service to Users (DISCOMs)	60.00
6	Software for countering the cyber attacks	50.00
7	Computer & Peripherals for SLDC	10.00
8	Procurement of furnitures & fixures for EASSC	50.00
9	Replacement of old A/C of SLDC Building	10.00
10	Provision of Voice Recorder at Sub-LDCs	40.00
11	Provision of 2 nos of UPS at SLDC	10.00
12	Installation Video Conferencing system at SLDC	20.00
	TOTAL	851.00

ANNEXURE-VI

DEPRECIATION OF CAPITAL EXPENDITURE PROPOSED

Fig in Lacs

Sl. No.	Item	Amount	Depreciation Rates as per CERC's Depreciation Rate	Depreciation Amount for the year 2015-16
1	Construction of New Building for 3 nos. of SubLDC at Budhipadar, Jaynagar & Meramundali	300.00	1.63%	4.890
2	Expansion of existing SLDC building at Bhubaneswar	200.00	1.63%	3.260
3	Procurement Hardware & associated IT equipment at Sub LDCs	100.00	15.00%	15.000
4	Provision of back up communication link between SLDC & Sub LDCs	1.00	100.00%	1.000
5	Dedicated web server with Firewalls configuration for dashboard management to provide uninterrupted service to Users (DISCOMs)	60.00	30.00%	18.000
6	Software for countering the cyber attacks	50.00	30.00%	15.000
7	Computer & Peripherals for SLDC	10.00	15.00%	1.500
8	Procurement of furnitures & fixures for EASSC	50.00	6.33%	3.165
9	Replacement of defective A/C of SLDC Building	10.00	5.28%	0.528
10	Provision of Voice Recorder at Sub-LDCs	40.00	15.00%	6.000
11	Provision of 2 nos of UPS at SLDC	10.00	15.00%	1.500
12	Installation Video Conferencing system at SLDC	20.00	15.00%	3
	TOTAL	851.00		72.84
			25% Percent of depreciation	18.21075