

**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 2021-22.

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 is 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 has been submitted to the Hon'ble Commission for approval.
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 above work is under progress.
7. 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. **71.298** 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. **24.980** lacs. Work order is enclosed as **Annexure-IV**. Further, depreciation charges for recovering the depreciation cost of computers & peripherals for SLDC data centre and office amounting Rs. **39.040** lacs (Sl. No. 18 & Sl. No. 20 of Form-6B) has also been considered.

(d) Operation and Maintenance expenses:

Operation and Maintenance expenses excluding Human Resources expenses for FY 2021-22 has been computed as **Rs. 213.760 lacs (Form-7A)** considering the R&M expenditure proposed to be incurred for Facility Management Services (FMS), Website charges, IT equipment. 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 actual A&G expenses for the last six months of the current year has been reduced due to the prevailing Covid-19



pandemic situation. The A&G expenses projected for the FY 2021-22 has been estimated considering the return of normalcy.

The O & M expenses have been projected considering actual expenditure to be incurred during FY 2021-22. Due to enhancement of FMS charges to **Rs. 20.0 lacs** and AMC charges of newly created assets (computers and peripherals for data centre) in addition to the existing assets amounting **Rs. 47.00 lacs**, the projected O&M expenses have been exceeded the escalation limit, which may kindly be considered. The AMC Work orders for newly created assets are enclosed as **Annexure V & VI**.

(e) Human resources expenses:

Human resources expenses have been computed as Rs. **997.268** lacs considering the existing employees including 5 numbers of Telecommunication personnel working at SLDC control centre as indicated in **Form-7B (4)**. In addition to the above, salary for one no. of CGM (Electrical) and 3 nos. of G.M. (Electrical), expected to be posted against the existing vacancy during FY 2021-22 and 6 numbers of contractual / outsourcing staffs, engaged at SLDC as on date has been considered.

Payment of 50% arrear amounting Rs. **60.0** lacs due to implementation of 7th Pay commission report has also been considered for payment during the FY 2021-22.

(f) Interest on working capital:

The interest on working capital (amounting Rs. **320.598** lacs) has been computed as Rs. **35.747** lacs as per OERC Regulation considering 11.15 % rate of interest (SBI base Rate 8.15 % 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 2021-22:

(Rs. In lacs)

Sl. No.	Particulars	2021-22
1	Return on Equity	0.000
2	Interest on Loan Capital	0.000
3	Depreciation	71.298
4.	O&M Expenses excluding human resource expenses	213.760
5.	Human Resource expenses	997.268
6.	Interest on Working Capital	35.747
	Total expenses	1318.073

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 3.0 lacs for FY 2021-22 (7D-33) considering the prevailing pandemic condition which may enhance further after 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

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 1708 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 2020 has been considered. In absence of approved injection schedule for some of the CGPs during the FY 2020-21 (up to October'20), 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 may be allowed to levy and collect SLDC charges from such solar stations, soon after commencement of dispatch scheduling and energy accounting of those solar plants considering their respective installed capacity.

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.



Abstract of collection of SLDC charges proposed for FY 2021-22:

<i>(Rs in Lacs)</i>	
Annual charges (AFC)	1318.073
System Operation Charges (SOC) (80% of the AFC)	1054.459
Intra State Transmission Licensee @10% of SOC	105.446
Generating Station & Sellers @45% of SOC	474.506
Distribution Licensees & Buyers@45% of SOC	474.506
Market Operation Charges (MOC) (20% of the AFC)	263.615
Generating Station & Sellers @50% of MOC	131.807
Distribution Licensees & Buyers@50% of MOC	131.807

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.

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.1318.073 lacs** for FY 2021-22 towards State Load Dispatch Centre (SLDC) function separately and kindly allow recovering the same from the users.

Bhubaneswar
27th November 2020



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 Bhadresh B Mehta, son of Sri Bachubhai Mehta, aged about 58 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

27th November, 2020


DEPONENT



SWORN BEFORE ME



**N. MOHANTY
NOTARY**

Regd. No. ON 20/94
382, Bhoi Nagar,
Bhubaneswar-751022

27.11.2020

LEVY AND COLLECTION OF FEES & CHARGES (Rs. in Lacs) For FY 2021-22

Annual charges	1318.073
Total Cost (Annual Fixed Cost)	1318.073
System Operation Charges (SOC) (80% of the AFC)	1054.459
Market Operation Charges (MOC) (20% of the AFC)	263.615
System Operation Charges (SOC)	1054.459
Intra State Transmission Licensee @10% of SOC	105.446
Generating Station & Sellers @45% of SOC	474.506
Distribution Licensees & Buyers @45% of SOC	474.506
(a) Intra State Transmission Licensee (SOC per month)	8.787
(b) Generating Station & Sellers @45% of SOC	474.506

(Rs. in Lacs)

Sl. No.	Generating Company / Sellers	Installed Capacity (MW)	Total amount (Annual)	Total amount (Monthly)
A	State Generating Station			
1	OHPC	1708.00	135.687	11.307
2	OPGC Stage-I	420.00	33.366	2.780
3	OPGC Stage-II	1320.00	104.854	8.739
4	TTPS	480.00	36.543	3.045
B	Small Hydro & Bio-mass			
5	OPCL (Small Hydro)	20.00	1.589	0.132
6	Meenakshi Power Ltd. (Small Hydro)	37.00	2.939	0.245
7	Shalivahana Green Energy Ltd	20.00	1.589	0.132
8	Bailarani Power Project Pvt. Ltd (Small Hydro)	24.00	1.907	0.159
C	IPP			
9	GMR, Kamalanga	350.00	27.805	2.317
10	Vedanta Limited (IPP)	600.00	47.865	3.972
11	NBVL (IPP)	60.00	4.767	0.397
D	CGPs	Maximum Scheduled (MW) (up to end of October-2020)		
12	Aarti Steel Ltd	21.50	1.708	0.142
13	Aditya Aluminium Limited	25.00	1.986	0.166
14	Aryan Ispat & Power Pvt. Ltd.	1.50	0.119	0.010
15	Bhubaneswar Power Pvt. Ltd.	117.00	9.295	0.775
16	Bhusan Power & Steel Ltd., Jharsuguda	29.96	2.380	0.198
17	Tata Steel BSL Limited, Meramundali	66.53	5.285	0.440
18	ESSAR Power (Orissa) Ltd.	28.00	2.224	0.185
19	FACOR Power Ltd.	3.16	0.251	0.021
20	HINDALCO	16.08	1.277	0.106
21	IFFCO	10.00	0.794	0.066
22	IMFA	43.30	3.440	0.287
23	Jindal Stainless Limited, Daburi	15.43	1.226	0.102
24	Jindal Steel & Power Ltd., Angul	57.17	4.542	0.378
25	MGM Minerals Ltd.	4.78	0.380	0.032
26	NALCO, Angul	54.00	4.290	0.357
27	Narbharam Power & Steel (P) Ltd	3.00	0.238	0.020
28	Nava Bharat Ventures Limited	24.00	1.907	0.159
29	Nilachal Ispat Nigam Limited	4.91	0.390	0.033
30	Dalmia Cement (Bharat) Ltd. [OCL]	8.60	0.683	0.057
31	Pattanaik Steel & Alloys Limited	2.00	0.159	0.013
32	RSP	4.00	0.318	0.026
33	Shree Ganesh Metalicks Limited	1.05	0.083	0.007
34	Shyam Metalicks & Energy Limited	1.00	0.079	0.007
35	SMC Power generation	4.00	0.318	0.026
36	Tata Steel Long Product Limited (TSL)	18.50	1.470	0.122
37	Vedanta Limited (Jharsuguda)	300.00	23.833	1.986
38	Vedanta Limited (Lanjigarh)	5.00	0.397	0.033
39	VISA Steel Limited	25.00	1.986	0.166
40	Yazdani Steel & Power Limited	2.00	0.159	0.013
	Solar Projects	Installed Capacity (MW)		
41	ACME, Odisha	25.00	1.986	0.166
42	AFTAB Solar	5.00	0.397	0.033
43	BEL SOLAR	7.50	0.596	0.050
44	GEDCOL	20.00	1.589	0.132
	Total	5972.97	474.506	39.542
(c)	Distribution Licensees & Buyers @45% of SOC		474.506	
		% share		
45	TPCODL	33.71	159.956	13.330
46	NESCO	23.39	110.987	9.249
47	WESCO	28.48	135.139	11.262
48	SOUTHCO	14.42	68.424	5.702
	Total	100	474.506	39.542

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

263.615
131.807

(Rs. in Lacs)

Sl. No.	Generating Company / Sellers	Installed Capacity (MW)	Total amount	Total amount
			(Annual)	(Monthly)
A	State Generating Station			
1	OHPC	1708.00	37.691	3.141
2	OPGC Stage-I	420.00	9.268	0.772
3	OPGC Stage-II	1320.00	29.129	2.427
4	TTPS	460.00	10.151	0.846
B	Small Hydro & Bio-mass			
5	OPCL (Small Hydro)	20.00	0.441	0.037
6	Meenakshi Power Ltd. (Small Hydro)	37.00	0.816	0.068
7	Shalivahana Green Energy Ltd	20.00	0.441	0.037
8	Baitarani Power Project Pvt. Ltd (Small Hydro)	24.00	0.530	0.044
C	IPP			
9	GMR, Kamalanga	350.00	7.724	0.644
10	Vedanta Limited (IPP)	600.00	13.240	1.103
11	NBVL (IPP)	60.00	1.324	0.110
D	CGPs	Maximum Scheduled (MW) (up to end of October-2020)		
12	Aarti Steel Ltd	21.50	0.474	0.040
13	Aditya Aluminium Limited	25.00	0.552	0.046
14	Aryan Ispat & Power Pvt. Ltd.	1.50	0.033	0.003
15	Bhubaneswar Power Pvt. Ltd.	117.00	2.582	0.215
16	Bhusan Power & Steel Ltd., Jharsuguda	29.96	0.661	0.055
17	Tata Steel BSL Limited, Meramundali	66.53	1.468	0.122
18	ESSAR Power (Orissa) Ltd.	28.00	0.618	0.051
19	FACOR Power Ltd.	3.16	0.070	0.006
20	HINDALCO	16.08	0.355	0.030
21	IFFCO	10.00	0.221	0.018
22	IMFA	43.30	0.956	0.080
23	Jindal Stainless Limited, Duburi	15.43	0.340	0.028
24	Jindal Steel & Power Ltd., Angul	57.17	1.262	0.105
25	MGM Minerals Ltd.	4.78	0.105	0.009
26	NALCO, Angul	54.00	1.192	0.099
27	Narberham Power & Steel (P) Ltd	3.00	0.066	0.006
28	Nava Bharat Ventures Limited	24.00	0.530	0.044
29	Nilachal Ispat Nigam Limited	4.91	0.108	0.009
30	Dalmia Cement (Bharat) Ltd. [OCL]	8.50	0.190	0.016
31	Pattanaik Steel & Alloys Limited	2.00	0.044	0.004
32	RSP	4.00	0.088	0.007
33	Shree Ganesh Metalicks Limited	1.05	0.023	0.002
34	Shyam Metalicks & Energy Limited	1.00	0.022	0.002
35	SMC Power generation	4.00	0.088	0.007
36	Tata Steel Long Product Limited (TSL)	18.50	0.408	0.034
37	Vedanta Limited (Jharsuguda)	300.00	6.620	0.552
38	Vedanta Limited (Lanjigarh)	5.00	0.110	0.009
39	VISA Steel Limited	25.00	0.552	0.046
40	Yazdani Steel & Power Limited	2.00	0.044	0.004
E	Solar Projects	Installed Capacity (MW)		
41	ACME, Odisha	25.00	0.552	0.046
42	AFTAB Solar	5.00	0.110	0.009
43	BEL SOLAR	7.50	0.166	0.014
44	GEDCOL	20.00	0.441	0.037
	Total	5972.97	131.807	10.984
(b) Distribution Licensees & Buyers @50% of MOC			131.807	
Sl.		% share		
45	CESU	33.71	44.432	3.703
46	NESCO	23.39	30.830	2.569
47	WESCO	28.48	37.539	3.128
48	SOUTHCO	14.42	19.007	1.584
	Total	100	131.807	10.984

**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 Loans1	
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)	✓
4	Work order for up-gradation and enhancement of VPS System (Annexure-IV)	✓
5	AMC work order of Data centre equipments (Annexure-V & VI)	✓

Summary Sheet

Form- 1

State Load Despatch Centre, Odisha

(Rs. in lacs)

Sl.No.	Particulars	Form No	2020-21
1	2	3	4
1	Return on Equity		0.000
2	Interest on Loan Capital		0.000
3	Depreciation	6-A	71.298
4.	O&M Expenses excluding human resource expenses	7-A	213.760
5.	Human resource expenses	7-B(4)	997.268
6.	Interest on Working Capital	8	35.747
Total			1318.073

Statement of Depreciation**State Load Despatch Centre, Odisha**

(Amount in lacs)

Financial Year	2019-20	2020-21	2021-22
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	44.650	38.388	71.298
TOTAL	44.650	38.388	71.298

Calculation of depreciation cost

State Load Despatch Centre, Odisha

(Amount in lacs)

Sl. No.	Name of the Assets	Gross Block as on 31.03.2020	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for the year 2020-21
	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	00.58	5.28%	0.031
8.	Split type Air Conditioner	00.00		
(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)	08.50	5.28%	0.449
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	05.56	6.33%	0.352
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)	17.53	6.33%	1.109
15.	Computer tables for EASSC	01.02	6.33%	0.065
16.	Video Projection System (VPS) including upgradation and enhancement	166.53	15.00%	24.980
17.	Photo copier	04.12	6.33%	0.261
18.	Computer & peripherals for SLDC Control room and office	15.72	15.00%	2.358
19.	Microphone Video for Video Conferencing	01.78	15.00%	0.267
20.	Computers & peripherals for data centre	244.57	15.00%	36.686
21.	RVDU at Jaynagar sub-station	15.29	15.00%	2.293
22.	Vehicle	04.77	5.28%	0.252
	TOTAL	527.02		71.298
	Weighted Average Rate of Depreciation(%)		13.53	

Note:

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

** Old Video Projection System of SLDC is upgraded and enhanced.

Details of Operation and Maintenance Expenses excluding human resource expenses

State Load Despatch Centre, Odisha

SL No	ITEMS	Form No	2019-20 (Actual)	2020-21 (Approved)	2020-21 (Actual up to Sept.-20)	2021-22 (Prop.)
1	2	3	4	5	6	7
1	Repairs and maintenance expenses	7-C	53.912	45.221	10.538	89.520
2	Administrative and general expenses, etc	7-D	120.293	122.893	41.396	124.240
	Total		174.205	168.114	51.934	213.760



Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2019-20)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2020-21)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2020-21)
4. EXPECTED FOR ENSUING YEAR(2021-22)

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		385.65	55.095	23.617	21.514	485.876
2.	Over-time						0.000
3.	Dearness Allowance		60.689	8.669	3.741	3.526	76.625
4.	Other Allowance such as shift, Conveyance, ABT, green card washing etc.		14.263	1.918	1.348	0.673	18.202
5.	Contractual Staff Payment					7.577	7.577
6.	Productivity Linked Incentive						
7.	Sub Total (1 to 6)						588.280
	OTHER STAFF COST						
8.	Reimbursement of Medical Expenses		7.178	1.115	1.412	1.07	10.775
9.	Leave Travel Concession						0.000
10.	Reimbursement of House Rent		20.882	1.307	1.861	3.645	27.695
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		6.492	1.2	0.68	0.51	8.882
16.	Expenditure on VRS						0.000
17.	Sub Total (8 to 16)						47.352
18.	Staff Welfare Expenses					0.222	0.222
19.	Terminal Benefits (Employer's Share to PF)		12.308	0.750	0.000	0.480	13.538
20.	Provisions-Arrear Salary(RPP)						0.000
21.	Others (Specify) Uniform & liveries					1.395	1.395
22.	Total (7+17+18+19+20+21)		507.462	70.054	32.659	40.612	650.787
23.	Revenue recovered, if any						0.000
24.	Net Total (22-23)		507.462	70.054	32.659	40.612	650.787
	ADDITIONAL INFORMATION						
1.	No. of Employees as on :	31.03.2020					
	i) Executives		37	6			43
	ii) Non-Executives				4	5	9
	iii) Skilled						
	iv) Non-Skilled						
	v) Contractual Staff					5	5
	Total						57
2.	No. of Employees per						
	i) MW handled						
	ii) MKwh handled						

Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2019-20)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2020-21)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2020-21)
4. EXPECTED FOR ENSUING YEAR(2021-22)

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		193.384	27.785	11.997	13.216	246.382
2.	Over-time						0.000
3.	Dearness Allowance		32.880	4.723	2.039	2.247	41.889
4.	Other Allowance such as shift, Conveyance, ABT, green card washing etc.		7.3767	0.798	0.513	0.519	9.207
5.	Contractual Staff Payment					4.205	4.205
6.	Productivity Linked Incentive						0.000
7.	Sub Total (1 to 6)		233.641	33.306	14.549	20.187	301.683
	OTHER STAFF COST						
8.	Reimbursement of Medical Expenses		4.087	0.475	0.598	0.660	5.821
9.	Leave Travel Concession						0.000
10.	Reimbursement of House Rent		10.756	1.086	0.946	1.867	14.655
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			0.045			0.045
16.	Expenditure on VRS						0.000
17.	Sub Total (8 to 16)		14.843	1.607	1.544	2.527	20.521
18.	Staff Welfare Expenses						0.000
19.	Terminal Benefits (Employer's Share)		8.477	0.500		0.360	9.337
20.	Arrear 7th Pay		22.122	4.241	2.672	4.008	33.043
21.	Others (Specify) (Uniform & Liveries)		0.014				0.014
22.	Total (7+17+18+19+20+21)		279.097	39.654	18.765	27.082	364.598
23.	Revenue recovered, if any						0.000
24.	Net Total (22-23)		279.097	39.654	18.765	27.082	364.598
	ADDITIONAL INFORMATION						
1.	No. of Employees as on : 30.09.2020						
	i) Executives		36	6			42
	ii) Non-Executives				4	5	9
	iii) Skilled						
	iv) Non-Skilled						
	v) Contractual Staff (2no. D.O. + 4no. Attendant)					6	6
	Total						57
2.	No. of Employees per						
	i) MW handled						
	ii) MKWh handled						

* Sl. No. 15 (Ex-gratia) indicates the Ex-gratia arrear amount paid

*Sl. No. 20 (Arrear 7th Pay): Expenditure for payment of 60% arrear to retired employees and 10% arrear to the present employees.

Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2019-20)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2020-21)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2020-21)
4. EXPECTED FOR ENSUING YEAR(2021-22)

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		208.439	25.785	9.997	11.216	255.437
2.	Over-time						0.000
3.	Dearness Allowance		35.435	4.383	1.699	1.907	43.424
4.	Other Allowance such as shift, Conveyance, ABT, green card, washing etc.		8.4297	0.798	0.513	0.519	10.260
5.	Contractual Staff Payment /Trainee					4.205	4.205
6.	Productivity Linked Incentive						0.000
7.	Sub Total (1 to 6)		252.303	30.966	12.209	17.847	313.33
	OTHER STAFF COST						
8.	Reimbursement of Medical Expenses		4.337	0.476	0.598	0.660	6.071
9.	Leave Travel Concession					5.000	5.000
10.	Reimbursement of House Rent		11.756	1.086	0.946	1.867	15.655
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		6.670	1.200	0.680	0.850	9.400
16.	Expenditure on VRS						0.000
17.	Sub Total (8 to 16)		22.763	2.762	2.224	8.377	36.126
18.	Staff Welfare Expenses					1.000	1.000
19.	Terminal Benefits (Employer's Share)		8.477	0.500		0.360	9.337
20.	Provisions- RPP						0.000
21.	Arrear Salary (7th Pay)		0.000				0.000
22.	Others (Specify) (Uniform & Liveries)						0.000
23.	Total (7+17+18+19+20+21)		283.543	34.228	14.433	27.584	359.789
24.	Revenue recovered, if any						0.000
25.	Net Total (22-23)		283.543	34.228	14.433	27.584	359.789
	ADDITIONAL INFORMATION						
1.	No. of Employees as on :	30.09.2020					
	i) Executives		38	6			44
	ii) Non-Executives				4	5	9
	iii) Skilled						
	iv) Non-Skilled						
	v) Contractual Staff (2no. D.O. + 4no. Attendant)					6	6
	Total						59
2.	No. of Employees per						
	i) MW handled						
	ii) MKwh handled						

Note: Two vacant posts of General Manager is expected to be filled up during the next six month.

Details of Human Resource Expenses

1. ACTUALS FOR PREVIOUS YEAR (2019-20)
2. ACTUALS FOR IST SIX MONTHS OF THE CURRENT YEAR (2020-21)
3. EXPECTED FOR LAST SIX MONTHS OF THE CURRENT YEAR(2020-21)
4. EXPECTED FOR ENSUING YEAR(2021-22)

State Load Despatch Centre, Odisha

Fig in Lacs

Sl.No.	Account Code	Executive		Non-Executive		Total
		Technical	Non-Tech.	Technical	Non-Tech.	
1.	Salaries	455.28	57.864	24.756	27.612	565.512
	Over-time					0.000
2.						
3.	Dearness Allowance	127.478	16.202	6.932	7.731	158.343
4.	Other Allowance such as shift, Conveyance, ABT, green card washing etc.	15.310	1.837	1.036	0.934	19.117
5.	Contractual Staff Payment				10.5	10.500
6.	Compensation for LDC Personnel					0.000
7.	Sub Total (1 to 6)	598.068	75.903	32.724	46.777	753.472
	OTHER STAFF COST					
8.	Reimbursement of Medical Expenses	22.764	2.893	1.238	1.381	28.276
9.	Leave Travel Concession				5.000	5.000
10.	Reimbursement of House Rent	91.056	11.573	4.951	5.522	113.102
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				10.000	10.000
16.	Expenditure on VRS					0.000
17.	Sub Total (8 to 16)	113.820	14.466	6.189	21.903	156.378
18.	Staff Welfare Expenses				2.000	2.000
19.	Terminal Benefits (Employer's Share)	21.932	1.507	0.000	0.979	24.418
20.	Provisions - RPP					0.000
21.	Arrear Salary (7th Pay)	60.000				60.000
22.	Others (Specify) (Uniform & Liveries)				1.000	1.000
23.	Total (7+17+18+19+20+21)	793.820	91.876	38.913	72.659	997.268
24.	Revenue recovered, if any					0.000
25.	Net Total (22-23)	793.820	91.876	38.913	72.659	997.268
	ADDITIONAL INFORMATION					
1.	No. of Employees (proposed)					
	i) Executives	40	6			46
	ii) Non-Executives			4	5	9
	iii) Skilled					
	iv) Non-Skilled					
	v) Contractual Staff (2no. D.O.+ 4no. Attendant)				6	6
	Total					61
2.	No. of Employees per					
	i) MW handled					
	ii) MKWh handled					

Note: (i) One CGM(Electrical) and three GM(Electrical) posts are expected to be filled up during 2021-22
(ii) 5 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 2019-20	Current Financial Year			Estimates for ensuing year 2021-22
			Actual For First Six Months Up to Sept' 20	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)	0.17	0.00	0.160	0.165	0.200
4	Electrical maintenance of Office Building, Colony quarters including Street light.	7.86	2.50	4.50	7.00	8.000
5	AMC charges for:-					
5a	Leased Internet connectivity & RF Link (STPI)	2.16	0.88	1.920	2.804	3.000
5b	Website service charges	0.00	0.00	3.500	3.500	4.000
5c	Facility Management Service	13.63	2.23	15.000	17.228	20.000
5d	APS equipment (DG Set)	0.00	0.19	0.200	0.387	0.500
5e	Computers and peripherals, Software	25.45	4.44	39.000	43.443	47.000
5f	FAX, Photo copier, Air Conditioners etc	3.97	0.29	1.000	1.290	2.000
5g	AMC charges for upgraded Video Projection System	0.00	0.00	0.000	0.000	4.220
6	Repair of furnitures & fixtures	0.68	0.00	0.000	0.000	0.600
7	Total (1 to 6)	53.91	10.54	65.280	75.818	89.520
8	Revenue recoveries, if any	0.00	0.00	0.000	0.000	0.000
9	Net Total (7-8)	53.91	10.54	65.280	75.818	89.520

NOTE:

* SI No. 5e: AMC for newly created assets (Computer & peripherals for Data Centre) including old equipments are considered and work orders are enclosed as Annexure- V & VI

** SI. No. 5g: Warranty period of Video Projection System is continuing upto December 2021. AMC charges from January'22 to March'22 has been considered

Details of Administrative and General (A&G) expenses

State Load Despatch Centre, Odisha

Fig in Lacs

Sl. No.	Description	Actuals for previous Financial Year 2019-20	Current Financial Year			Estimates for ensuing year 2021-22
			Actual For First Six Months (up to Sept, 2020)	Projection For Balance Six Months	Total	
	PROPERTY RELATED EXPENSES					
1	Licence Fees	0.001	0.000	0.010	0.010	
2	Rent	0.000	0.000	0.000	0.000	
3	Rates & Taxes	0.000	0.000	0.000	0.000	
4	Insurance	0.060	0.078	0.050	0.128	0.140
5	Contribution to accident reserve fund				0.000	
6	Sub total :	0.061	0.078	0.060	0.138	0.140
	COMMUNICATION					
7	Telephone & Trunk Call	1.654	0.672	0.300	0.972	2.000
8	Postage & Telegram, Telefax	0.258	0.123	0.120	0.243	0.300
9	Courier Charges				0.000	
10	Other				0.000	
11	Sub total :	1.913	0.795	0.420	1.215	2.300
	PROFESSIONAL CHARGES					
12	Legal expenses	0.630	0.001	0.700	0.701	0.800
13	Consultancy Service Charges	2.700	0.072	0.000	0.072	0.000
14	Technical fees				0.000	
15	Audit fees				0.000	
16	Other charges				0.000	
17	Sub total :	3.330	0.073	0.700	0.773	0.800
	CONVEYANCE & TRAVELLING					
18	Conveyance expenses (Fuel)				0.000	
19	Travelling expenses	15.437	0.000	0.500	0.500	5.000
20	Hire charges of vehicle	16.327	6.601	9.500	16.101	20.000
21	Others				0.000	1.000
22	Sub total :	31.764	6.601	10.000	16.601	26.000
	OTHER EXPENSES					
23	Electricity charges	35.717	20.559	20.000	40.559	42.000
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	0.897	0.234	0.750	0.984	1.000
27	Advertisement	2.235	0.726	1.000	1.726	3.000
28	Entertainment	1.062	0.247	0.900	1.147	1.500
29	Watch & Ward	28.070	8.848	13.070	21.918	32.000
30	Miscellaneous	1.758	1.012	1.000	2.012	2.500
31	Organisational Development Expenses Cultural, Sports etc	0.000	0.000	0.000	0.000	
32	Outsourcing of collection of Metering data from regional interconnection points	0.000	0.000	0.000	0.000	
33	Training (including certification of operators)	8.863	0.298	0.500	0.798	3.000
34	Sub total :	78.602	31.925	37.220	69.145	85.000
	MATERIAL RELATED EXPENSES					
35	Demurrage and Wharfage on materials					
36	Clearing & forwarding charges					
37	Transit insurance					
38	Sub total :					
39	Others (Specify) Disaster Expenses					
40(a)	Gardening			0.000	0.000	1.000
40(b)	Meetings	1.524	0.000	0.500	0.500	5.000
40(c)	Office up-keeping	3.100	1.924	2.000	3.924	4.000
41	Sub total :	4.624	1.924	2.500	4.424	10.000
42	Total (6+11+17+22+34+38+41)	120.293	41.396	50.900	92.296	124.240
43	Revenue recoveries, if any	0.000	0.000	0.000	0.000	0.000
44	Net Total (42-43)	120.293	41.396	50.900	92.296	124.240

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)	17.813
2	Human resource expenses for one month (7-B4)	83.106
3	Receivables (2 months of SOC & MOC)	219.679
4	Total Working Capital	320.598
5	Rate of Interest	11.15%
6	Interest on Working Capital	35.747

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

TABLE-2

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

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 Projection 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 Projection 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	-	-			Not Procured
TOTAL			21.00	0.00	0.00		0.00	

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 Requirement for SLDC

1. Executive Staff Requirement:

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

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

2. Non-Executive Staff Requirement:

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

Total Staff Requirement proposed for SLDC=1 + 2 = 59 + 8= 67 Nos.



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NEW OPPORTUNITIES

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ଓଡ଼ିଶା ରାଜ୍ୟ ଆଇରନ୍ ଲୁହାରିଆ ଏବଂ ସମାଜବାଦୀ ନିଗମ ଭବନ, ବାଣିଜ୍ୟିକ ଜିଲ୍ଲା, ଜନପଥ, ଭୁବନେଶ୍ୱର-୭୭
 ଫୋନ୍: ୯୧-୦୬୭୪-୨୫୪୨୯୮୩, ୨୫୪୨୯୦୨, ୨୫୪୫୫୨୭, ୨୫୪୨୮୭୭, ଫାକ୍ସ: ୨୫୪୨୯୦୨

ODISHA HYDRO POWER CORPORATION LTD.

(A GOVT. OF ODISHA UNDERTAKING)
 CIN: U40101OR19955GC003963

REGD. OFFICE : ODISHA STATE POLICE HOUSING & WELFARE CORPORATION BUILDING, VANIVIHAR CHOUK, JANPATH, BHUBANESWAR-751 022
 PHONE : 91-0674-2542983, 2542802, 2545526, 2542826, FAX : 2542102
 E-mail: ohpc.co@gmail.com / info@ohpcld.com, Website : www.ohpcld.com

By Fax/E-mail

File No.: OHPC-329/2008(Vol-IV)/ OERC (Misc. Case Matter)/ 8/79dt. 20-10-2020

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

Sub: Average Available Capacity of OHPC Power Stations for the FY 2021-22 for computation & sharing of SOC & MOC by OHPC - Regarding.

Ref: Your Letter No. 3538 Dtd. 13.10.2020.

Sir,

With reference to the letter under reference on the captioned subject, the tentative daily average MW availability from OHPC Power Stations during the FY 2021-22 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 2021-22

Power Station	Generating Units	Installed Capacity (MW)	Nature of Shutdown	Shut Down Period		Days Unavailable	Days Available	Per Day Average MW Availability
				From	To			
BHEP	#1	60	Under R&M	05.08.2016	27.01.2021	0	365	60
	#2	60	Under R&M	20.11.2017	31.01.2021	0	365	60
	#3	60	Programming for R&M	31.12.2020	12.03.2022	365	0	0
	#4	60	Programming for R&M	31.12.2020	31.05.2022	365	0	0
	#5	60	Annual Maintenance	09.08.2021	08.09.2021	31	334	55
	#6	60	Annual Maintenance	14.09.2021	13.10.2021	30	335	55
	#7	75	Annual Maintenance	20.10.2021	18.11.2021	30	335	69
	#8	75	Annual Maintenance	27.12.2021	25.01.2022	30	335	69
Sub-Total		510	Per Day Average MW Availability of BHEP					368
IHHP	#1	49.5	Annual Maintenance	01.03.2022	31.03.2022	31	334	45
	#2	49.5	Annual Maintenance	01.12.2021	31.12.2021	31	334	45



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(ଓଡ଼ିଶା ସରକାରଙ୍କ ଏକ ଉପକ୍ରମ)

ଓଡ଼ିଶା ରାଜ୍ୟ ଆରକ୍ଷା ସୁରକ୍ଷିତ ଏବଂ ସମାଜିକ ନିଗମ ଭବନ, ବାଣାବିହାର ଛକ, ଜନପଥ, ଭୁବନେଶ୍ୱର-୭୫

ଫୋନ୍: ୯୧-୦୬୭୪-୨୫୪୨୮୩, ୨୫୪୨୮୦୨, ୨୫୪୫୫୨୬, ୨୫୪୨୮୨୬, ଫାକ୍ସ: ୨୫୪୨୯୦୨

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PHONE : 91-6674-2542983, 2542802, 2545526, 2542826, FAX : 2542102

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

	#3	32	Annual Maintenance	01.01.2022	30.01.2022	30	335	29
	#4	32	Annual Maintenance	01.02.2022	28.02.2022	28	337	30
	#5	43.6	Under R&M	25.10.2016	31.05.2021	61	304	36
	#6	43.6	Under R&M	16.10.2015	31.05.2021	61	304	36
	#7	37.5	Available	-	-	0	365	37.5
Sub-Total		275.5	Per Day Average MW Availability of HHHP					258.5
CHEP	#1	24	Capital Maintenance	03.01.2022	31.03.2022	88	277	18
	#2	24	Annual Maintenance	15.11.2021	14.12.2021	30	335	22
	#3	24	Available	-	-	0	365	24
Sub-Total		72	Per Day Average MW Availability of CHEP					64
RHEP	#1	50	Maintenance & Repairing	01.04.2021	30.04.2021	30	335	46
	#2	50	Annual Maintenance	01.11.2021	30.11.2021	30	335	46
	#3	50	Maintenance & Repairing	01.05.2021	31.05.2021	31	334	46
	#4	50	Annual Maintenance	01.06.2021	30.06.2021	30	335	46
	#5	50	Annual Maintenance	01.10.2021	31.10.2021	31	334	46
Sub-Total		250	Per Day Average MW Availability of RHEP					230
UKHEP	#1	80	Annual Maintenance	07.02.2022	08.03.2022	30	335	73
	#2	80	Annual Maintenance	01.12.2021	30.12.2021	30	335	73
	#3	80	Available	-	-	0	365	80
	#4	80	Annual Maintenance	03.01.2022	02.02.2022	31	334	73
Sub-Total		320	Per Day Average MW Availability of UKHEP					299
UHHP	#1	150	BF Valve overhauling/ Annual Maintenance	01.06.2021	30.07.2021	90	275	113
	#2	150	BF Valve overhauling/ Capital Maintenance	01.03.2022	30.03.2022	-	-	-
	#3	150	BF Valve overhauling/ Annual Maintenance	01.06.2021	30.07.2021	151	214	88
	#4	150	Annual Maintenance	01.10.2021	28.02.2022	-	-	-
	#5	150	Annual Maintenance	10.11.2021	09.12.2021	30	335	137



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ଫୋନ୍: ୯୧-୦୬୭୪-୨୫୪୨୯୮୩, ୨୫୪୨୮୦୨, ୨୫୪୫୫୨୫, ୨୫୪୨୮୨୫, ଫାକ୍ସ: ୨୫୪୨୧୦୨

ODISHA HYDRO POWER CORPORATION LTD.

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	#4	Maintenance					
	150	Available	-	-	0	365	150
Sub-Total	600	Per Day Average MW Availability of UIHEP					488
Gross Total OHPC	2027.5	Per Day Average MW Availability of OHPC					1707.5
							Or Say
							1708

In view of the above the proposed available MW capacity of OHPC power stations may be considered as 1708 MW during the FY 2021-22 for calculation & sharing of SLDC Charges (SOC & MOC) by OHPC.

Yours faithfully,


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.

ANNEXURE-IV



ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

REGD. OFFICE: JANPATH: BHUBANESWAR- 751 022

Tel- 0674-2541499;

Fax- 0674-2542964

Sr.GM-CPC-III-Tender-Telecom-VPS-01/2018 828(15) Dated: 23-02-19

From,
Chief General Manager,
Central Procurement Cell,
OPTCL, Bhubaneswar.

To
Progility Technologies Pvt. Ltd.
Plot No. 382, 2nd Floor,
Behind Saheed Nagar Police Station,
Bhol Nagar, Bhubaneswar - 751022, Odisha
e-mail: helpdesk.kolkata@progilitytech.com
sidharth.patnaik@progilitytech.com

Sub: Work order for up-gradation and enhancement of VPS System at SLDC and Comprehensive annual maintenance contract of the System for 03(Three) Years.

NIT: Sr.G.M-CPC-Tender-Telecom-VPS-SLDC-26/2018-19

Dear Sirs,

With reference to the above, Odisha Power Transmission Corporation Limited is hereby pleased to place this work order for supply of Materials required for LED Upgrade & Enhance of Lamp based LVS, 70" SXGA+ LED Lit Video wall along with accessories, installation & commissioning of the same and Comprehensive Annual Maintenance contract of the system for 03Years as per the terms & condition of the tender and price detailed below for up-gradation and enhancement of VPS System at SLDC.

The detailed are as below.

1.0 SCHEDULE OF PRICE:

Sl No	Description of Items	Quantity	Unit taxable Price (Rs)	Rate of GST	Total Price including GST (Rs)
1	Materials required for LED Upgrade of Lamp based LVS.	08 Cubes	7,53,205.00	18%	71,10,255.20
2	70" SXGA+ LED Lit Video wall	08 Cubes	9,13,462.00	28%	93,53,830.88
3	Installation & Commissioning of LED Upgrade of Lamp based LVS.	08 Cubes	10,000.00	18%	94,400.00
	Installation & Commissioning of 70" SXGA+ LED Lit Video wall.	08 Cubes	10,000.00	18	94,400.00
Total					1,66,52,906.08
Say					1,66,52,906.00

(Rupees One Crore Sixty Six Lakhs fifty Two Thousand Nine hundred Six) only.

Handwritten signature and date 28/2/19

2. CONSIGNEE & PAYING OFFICER:

2.1 **CONSIGNEE:** DGM, Telecom, SLDC, Bhubaneswar shall be the consignee for the work.

2.2 **PAYING OFFICER:** D.D.O, Office of the Chief Load Despatcher shall be the paying officer.

3.0 **NATURE OF PRICE & TAXES:** The above price is FIRM & inclusive of all taxes & duties.

3.1 **TDS:** TDS shall be deducted at source as per the rules and TDS Certificate shall be issued to the Contractor.

3.2 As regards the Income Tax, surcharge on Income Tax and other corporate taxes, the Firm shall be responsible for such payment to the concerned authorities.

3.3 Goods and Services Tax is included in the above price as per the prevailing rate.

3.4 **GSTN No :** The GSTIN of SLDC is - 21AAAAC07873L2Z5, which should be mentioned in all your Tax Invoice, Receipt voucher, Credit Note and Debit Note, Delivery challan in terms of the CGST and OGST Rules, 2017 as applicable, under GST Law.

3.5 **PAN No:** You have to furnish PAN of your Firm as required under IT rules

4.0 **Scope of the Contract:** The scope of the contract includes the following:

4.1. The scope covers the design, manufacture, assembly, shop testing at manufacturer's works before dispatch, supply and delivery at site, erection, testing and commissioning of:

(i) LED Up-gradation of existing lamp based Large Video Screen (LVS) with complete commissioning.

(ii) Enhancement of existing VPS by Supply & commissioning of additional LED based 8(Eight) quadrants of 70" SXGA+ LED lit DLP based Video wall.

4.2. Comprehensive AMC of the complete Video Projection System of 8+8=16 quadrants (Up-graded and enhanced system) for a period of 3 years beyond successful completion of the guarantee period.

4.3. It is the intention of the purchaser to install the most up to date type of equipment conforming to applicable standard.

4.4. The scope of the contract shall include all parts and accessories etc, which are usual and necessary for successful commissioning & operation of VPS system, though not individually and specifically stated or enumerated.

Scheme/Projects: The materials/equipment covered in this Specification shall come under SLDC.

5.0 Inspection and Testing:

(i) The purchaser's representative shall be entitled at all reasonable times during manufacture to inspect, examine and test at the supplier's premises, the materials and workmanship of all equipment/materials to be supplied under this contract and if part of the said equipment/material is being manufactured in other

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premises, the supplier shall obtain for the purchaser's representative permission to inspect, examine and test as if the equipment/material were being manufactured in the contractor's premises. Such inspection, examination and testing shall not relieve the supplier from his obligations under the contract.

[ii] The Supplier shall give to the purchaser adequate time/notice (at least clear 15 days for inside the state suppliers and 20 days for outside the state suppliers) in writing for inspection of materials indicating the place at which the equipment/material is ready for testing and inspection and shall also furnish the shop Routine Test Certificate, Calibration certificates of Testing instruments, calibrated in Govt. approved laboratory with authenticity letter of that laboratory along with the offer for inspection. A packing list along with the offer, indicating the quantity which can be delivered in full truck load/Mini truck load to facilitate issue of dispatch instruction shall also be furnished.

[iii] Where the contract provides for test at the Premises of the supplier or any of his sub-vendors, the supplier shall provide such assistance, labour, materials, electricity, fuel and instruments, as may be required or as may be reasonably demanded by the Purchaser's representative to carry out such tests efficiently. The supplier is required to produce shop routine test Certificate, calibration certificates of Testing Instruments before offering their materials/equipment for inspection & testing. The test house/laboratory where tests are to be carried out must be approved by the Govt. A letter pertaining to Govt. approved laboratory must be furnished to the purchaser along with the offer for inspection.

[iv] After completion of the tests, the Purchaser's representative shall forward the test results to the Purchaser. If the test results conform to the specific standard and specification, the Purchaser shall approve the test results and communicate the same to the supplier in writing. The supplier shall provide at least five copies of the test certificates to the Purchaser.

[v] The Purchaser has the right to have the tests carried out at his own cost by an independent agency whenever there is dispute regarding the quality of supply.

[vi] If the firm fails to present the offered items for inspection/testing as per their inspection call due to any reason(s) during the visit of inspecting officer at the testing site, the firm shall have to bear all expenses towards repetition of inspection and testing of the total offered quantity or part thereof.

6.0 Expenses in respect of OPTCL's representative for witnessing the inspection. (Refer Clause-20 of ITB)

The testing and inspection of the equipment/ materials at manufacturer works are in the scope of work of the Contractor/Supplier. OPTCL inspecting officer, on receipt of offer for inspection from the contractor/supplier, proceeds to the manufacturer works to witness the Type/Acceptance/Routine test.

The expenses under the following heads, in respect of OPTCL's representative for witnessing the inspection & testing of the offered equipment/materials at the inspection and testing site, shall be borne by the contractor / supplier.

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a) Hotel Accommodation:

I. Single room accommodation in 4 star hotel for the OPTCL inspecting officer of the rank of Assistant General Manager (Grade E-6) and above.

II. Single room accommodation in 3 star hotel for the OPTCL inspecting officer of the rank below Assistant General Manager (Grade E-6).

N.B.: It is the responsibility of the contractor to arrange the hotel accommodation matching with their inspection and testing schedule, so that the inspecting officer can check-in the hotel one day prior to the date of inspection and check out after the completion of the inspection, subject to availability of the return travel ticket. In case of extended duration of inspection or non-availability of the return travel ticket, Contractor/supplier/manufacturer shall arrange for the extended stay of the inspecting officer in the Hotel accordingly. In case there is no hotel with prescribed standard in and around the place of inspection, the contractor/supplier/manufacturer shall suggest alternative suitable arrangement at the time of offer for inspection, which is subjected to acceptability of OPTCL inspecting officer.

b) Journey of the inspecting officer:

(i) To and fro travel expenditure from the Head Quarters of the inspecting officer to the place of inspection/testing shall be borne by the contractor/supplier/manufacturer. Journey from the Head Quarters of the inspecting officer to the nearest Air Port by train (1st/11nd A.C) & A/C Taxi then by Air to the place of inspection/testing or to the nearest place of inspection/testing and then by train (1st/11nd A.C) & A/C taxi to the place of inspection/testing shall be arranged by the contractor/supplier/manufacturer.

(ii) For train journey, inspecting officer of the rank Assistant General Manager and above shall be provided with 1st class AC ticket and inspecting officer below the rank of Assistant General Manager shall be provided with 2nd class AC ticket.

(iii) The Air-ticket / train-ticket booking/cancellation is the responsibility of the contractor / supplier.

(iv) Moreover, if during the journey there is an unavoidable necessity for intermediate travel by road/ waterway/sea-route, the contractor/supplier shall provide suitable conveyance to the inspecting officer for travel this stretch of journey or bear the cost towards this. Any such possibilities shall be duly intimated to OPTCL at the time of their offer for inspection.

c) Local Conveyance:

At the place of the inspection/testing, for local journey of the inspecting officer between Hotel and inspection/testing site and or any other places, Air-conditioned four wheeler vehicle in good condition shall be provided by the contractor/supplier/manufacturer.

7.0 Training Facilities: The supplier shall provide all possible facilities for training of Purchaser's Technical personnel, when deputed by the Purchaser for acquiring first-hand knowledge in assembly of the equipment, its erection, commissioning and for its proper operation & maintenance in service, wherein it is thought necessary by the purchaser.

8.0 Rejection of Materials: In the event any of the equipment /material supplied by the manufacturer is found defective due to faulty design, bad workmanship, bad materials used or otherwise not in conformity with the requirements of the

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Specification, the Purchaser shall either reject the equipment/material or ask the supplier in writing to rectify or replace the defective equipment/material free of cost to the purchaser. The Supplier on receipt of such notification shall either rectify or replace the defective equipment/material free of cost to the purchaser within 15 days from the date of issue of such notification by the purchaser. If the supplier fails to do so, the Purchaser may:-

- [a] At its option replace or rectify such defective equipment /materials and recover the extra costs so involved from the supplier plus fifteen percent and/or.
- [b] Terminate the contract for balance work/supplies, with enforcement of penalty Clause as per contract for the un-delivered goods and with forfeiture of Performance Guarantee/ Composite Bank guarantee.
- [c] Acquire the defective equipment/materials at reduced price, considered equitable under the circumstances.

9.0 Patent Rights Etc: The supplier shall indemnify the Purchaser against all claims, actions, suits and proceedings for the infringement of any patent design or copy right protected either in the country of origin or in India by the use of any equipment supplied by the manufacturer. Such indemnity shall also cover any use of the equipment, other than for the purpose indicated by or reasonably to be inferred from the specification.

10.0 Delivery: [a] Time being the essence of the contract; the equipment shall be supplied & commissioned within the delivery period, specified in the contract. The Purchaser, however, reserves the right to reschedule the delivery and change the destination if required. The delivery period shall be reckoned from the date of this work order.

The desired delivery period is as follows:

Sl	Description	Quantity	Desired Delivery
(i)	Up-gradation of existing lamp based video projection system(VPS) into LED based VPS with complete commissioning at SLDC	8 Quadrants	Within 3(Three) months from the date of issue of this work order
(ii)	Enhancement of existing VPS by Supply & commissioning of additional 8(Eight) Cubes of 70" SXGA+ LED lit DLP based Video wall.	8 Quadrants	

11.0 Dispatch instructions:

I] The equipment / materials should be securely packed and dispatched directly to the specified site at the supplier's risk by Road Transport only.

II] Loading & unloading of Ordered Materials.

It will be the sole responsibility of the supplier for loading and unloading of materials both at the factory site and at the destination site/store. The Purchaser shall have no responsibility on this account.

12.0 Contractor's Default Liability:

[i] The Purchaser may, upon written notice of default to the contractor, terminate the contract in circumstances detailed hereunder.

[a] If in the judgment of the Purchaser, the contractor fails to make delivery of equipment/material within the time specified in the contract or within the period

P. Patil
7/23/19

for which if extension has been granted by the Purchaser in writing in response to written request of the supplier.

[b] If in the judgment of the Purchaser, the contractor fails to comply with any of the provisions of this contract.

[ii] In the event, Purchaser terminates the contract in whole or in part as provided in Clause-12 (f) of this section, the Purchaser reserves the right to purchase upon such terms and in such a manner as he may deem appropriate in relation to the equipment/material similar to that terminated and the contractor will be liable to the Purchaser for any additional costs for such similar equipment/material and/or for price reduction for delay as defined in clause-19 of this section until such reasonable time as may be required for the final supply of equipment.

[iii] In the event the Purchaser does not terminate the contract as provided in clause 12(f) of this Section, supplier shall be liable to the Purchaser for price reduction for delay as set out in Clause-19 of this section until the equipment is accepted. This shall be based only on written request of the contractor and written willingness of the Purchaser.

13.0 Force Majeure: The supplier shall not be liable for any penalty for delay or for failure to perform the contract for reasons of force majeure such as acts of god, acts of the public enemy, acts of Govt., Fires, floods, epidemics, Quarantine restrictions, strikes, Freight Embargo and provided that the supplier shall within Ten (10) days from the beginning of delay on such account notify the purchaser in writing of the cause of delay. The purchaser shall verify the facts and grant such extension, if facts justify.

14.0 Extension of Time: If the delivery of equipment/material is delayed due to reasons beyond the control of the supplier, the supplier shall without delay give notice to the purchaser in writing of his claim for an extension of time. The purchaser on receipt of such notice may or may not agree to extend the contract delivery date as may be reasonable but without prejudice to other terms and conditions of the contract.

15.0 (a) Guarantee Period:

[i] The stores covered by this specification should be guaranteed for satisfactory operation and against defects in design, materials and workmanship for a period of at least 24 [twenty four] months from the date of commissioning. The above guarantee certificate shall be furnished in triplicate to the purchaser for his approval. Any defect noticed during this period should be rectified by the supplier free of cost to the purchaser provided such defects are due to faulty design, bad workmanship or bad materials used, within one month upon written notice from the purchaser failing which provision of clause 19 (ii) shall apply.

[ii] Equipment/material failed or found defective during the guarantee period shall have to be guaranteed after repair/replacement for a further period of 24 months from the date of commissioning after such repair/replacement. The Bank Guarantee is to be extended accordingly. Date of commissioning as used in this clause shall mean the date of joint verification report signed by both OPTCL and the firms after the materials/equipment are commissioned to be fully operational to the satisfaction of OPTCL.

16.0 B.G. towards security deposit, 100% payment and performance guarantee:

[i] For manufacturers situated Inside & out side the state of Odisha.
A Composite Bank Guarantee as per the Proforma enclosed at Annexure-VII of the specification for 10% [ten percent] of the total FORD cost of the purchase order,

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shall be furnished from any nationalized/scheduled bank having a place of business at Bhubaneswar, to the office of Chief General Manager [Central Procurement Cell] OPTCL within 15 days from the date of issue of the purchase order. The BG shall be executed on non-judicial stamp paper worth of Rs.29.00 [Rupees twenty nine] only or as per the prevalent rules, valid for a period of 2 months more than from guarantee period (as indicated this clause-15 of above) from the last date of stipulated delivery period, for scrutiny and acceptance, failing which the supply order will be liable for cancellation without any further written notices. The BG should be accompanied by a confirmation letter from the concerned bank and should have provision for encashment at Bhubaneswar, before the Bank Guarantee is accepted and all concerned intimated. The B.G should be revalidated as and when intimated to you to cover the entire guarantee period.

[ii] No interest is payable on any kind of Bank Guarantee.

[iii] In case of non-fulfillment of contractual obligation, as required in the detailed purchase order/Specification, the composite Bank guarantee shall be forfeited.

[iv] **BG FOR AMC** : Performance BG against AMC shall be furnished by the contractor as set out in the 2nd contract, work order for Comprehensive AMC.

17.0 Import License: In case imported materials are offered, no assistance will be given for release of Foreign Exchange. The firm should arrange to import materials from their own quota. Equipment of indigenous origin will be preferred.

18.0 Terms of Payment:

[A]

i) 100% value of each consignment with 100% Goods and Services Tax in full as applicable will be paid on receipt of materials in good condition and successful complete commissioning at desired site and verification thereof, subject to furnishing and approval of Composite Bank Guarantee at the rate of 10% (Ten percent) of the cost of supplied materials, as stipulated under clause-19 of the specification & on prior approval of guarantee certificate & Test certificate by the Purchaser.

ii) TDS under GST Laws for intra state transactions shall be deducted, as applicable.

iii) Any imposition of new tax or revision of tax shall be paid/reimbursed at the time of dispatch, scheduled or actual whichever is lower (i.e. If delivery is within schedule period, tax variation as applicable shall be paid, and if delivery is made beyond schedule date, any additional financial implication due to statutory variation in tax shall be to contractor's account).

[B] The supplier shall furnish Composite Bank Guarantee of appropriate amount to OPTCL covering 10% of F.O.R. Destination cost of the purchase order well in advance (within 15 days from the date of issue of the purchase order) before dispatch of materials.

19.0 Price Reduction Schedule:

Price Reduction Schedule for Delay in Completion of Supply under Purchase Order/Contract



(i) If the Supplier fails to deliver the materials/equipment within the delivery schedule, specified in the Purchase Order/Contract including delivery time extension, if any, granted with waiver of Price Reduction Schedule, the Purchaser shall recover from the Supplier, Price Reduction Schedule for a sum of half per cent (0.5 per cent) of the Taxable Value of the un-delivered equipment /materials for each calendar week of delay or part thereof. For this purpose, the date of receipted challan shall be reckoned as the date of delivery. The total amount of Price Reduction Schedule shall not exceed five per cent (5%) of the Taxable Value of the un-delivered equipment/materials. Equipment will be deemed to have been delivered only when all its components, accessories and spares as per technical Specification are also delivered. If certain components, accessories and spares are not delivered in time, the equipment/materials will be considered delayed until such time as the missing components, accessories and spares are delivered.

(ii) During the guarantee period, if the Supplier fails to rectify/replace the equipment/material within 30 days from the date of intimation of defect by the purchaser, then the Price Reduction Schedule at the rate of half percent (0.5%) of the Total Taxable Value for each calendar week of delay or part thereof shall be recovered by the purchaser. For this purpose, Price Reduction Schedule shall be reckoned from the 30th day from the date of issue of letter on defectiveness of equipment/material. The total amount of Price Reduction Schedule in this case shall not exceed 10% (TEN PERCENT) of the Purchase Order/Contract amount except GST (i.e.Total Taxable Value). If the defects, so intimated are not rectified or equipment/materials not replaced by the supplier within the guarantee period, then whole of the C.P.B.G. will be forfeited by the purchaser, without any intimation to the supplier.

20.0 Insurance:

The Supplier shall undertake insurance of stores covered by this Specification unless otherwise stated. The responsibility of delivery of the stores at destination in good condition rests with the Supplier. Any claim with the Insurance Company or transport agency arising due to loss or damage in transit has to be settled by the supplier. The Supplier shall undertake free replacement of materials damaged or lost, which will be reported by the consignee within 30 days of receipt of the materials at destination without awaiting for the settlement of their claims with the carriers and underwriters.

21.0 Payment Due from the Contractor:

All costs and damages, for which the Contractor is liable to the purchaser, will be deducted by the purchaser from any money, due to the contractor, under any of the contract (s), executed with OPTCL.

22.0 Contractor's Responsibility: Notwithstanding anything mentioned in the Specification or subsequent approval or acceptance by the Purchaser, the ultimate responsibility for design, materials used and satisfactory performance shall rest with the contractor.

23.0 Jurisdiction of the High Court of ODISHA. Suits, if any, arising out of this contract shall be filed by either party in a Court of Law to which the jurisdiction of High Court of ODISHA extends.

24.0 Correspondences:(i) Any notice to the Contractor under the terms of the contract shall be served by Registered Post or by hand at the Contractor's Principal Place of Business.

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ii) Any notice to the Purchaser shall be served at the Purchaser's Principal office in the same manner.

25.0 Non-Assignments:- The contractor shall not assign or transfer the work orders issued as per this contract or any part thereof without the prior approval of OPTCL.

26.0 Official Address of the Parties to the Contract.

Chief General Manager (CPC), Odisha Power Transmission Corporation Ltd,
Bhubaneswar-751022, e-mail id: sgm.cpc@optcl.co.in

The Work/Purchase order for Comprehensive AMC of the complete VPS System is being issued separately.

All other terms & conditions shall be as per tender specification No.Sr.G.M-CPC-Tender-Telecom-VPS-SLDC-26/2018-19.

Yours faithfully,

Encl: (i) Format for Performance BG

CHIEF GENERAL MANAGER, CPC

C.C.

- (1) E.A. to CMD, OPTCL for kind information of the CMD, OPTCL, Bhubaneswar.
- (2) Director (Finance) / Director (Project) / Director (Operation), OPTCL, Bhubaneswar.
- (3) CGM (Construction) / CGM (O&M) / CGM (Finance) / CGM (Telecom), OPTCL, Bhubaneswar.
- (4) Chief Load despatcher, SLDC, Bhubaneswar.
- (5) Sr.G.M, Telecom Circle, Bhubaneswar / DGM, Telecom Division, Bhubaneswar / DGM, Telecom, SLDC, Bhubaneswar / DDO, O/o CLD, SLDC, , Bhubaneswar.
- (6) DGM (Finance), CPC, OPTCL, Bhubaneswar.

ANNEXURE-V



ଓଡିଶା ବିଦ୍ୟୁତ୍ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲି.ଡି. ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

Regd. Office: Janpath: Bhubaneswar-751022.

Telephone: (0674) 2540051 (EPABX). Website: www.optransco.co.in
CIN: U41030OR2004530007553

File No. TW-IT-375/2015/Vol-II

2745

Date: 15/11/2020

From:

Chief General Manager (IT),
OPTCL, Bhubaneswar.

To:

M/s. Wizertech Informatics Pvt. Ltd.
5, Gopabandhu Square,
1st Floor, Bhubaneswar - 751 012. (Kind Attention Mr. Pritam Mohanty)

Sub: - Annual Maintenance Contract of License, UTM, Servers, Storage, KVM Switches, Precision AC, PC, Printers etc. at SLDC. (AMENDMENT WORK ORDER)

Ref:- 1) Vide W.O. No. TW-IT-375/2015/Vol-II/1835 dated 30-06-2020
2) Your letter No. Nil dated 15/09/2020

Dear Sir,

With reference to the letter and Work Order mentioned above, the following amendment to the work order is made and issued in your favor for comprehensive AMC of under mentioned equipment as per terms and conditions mentioned hereunder. As this is a comprehensive AMC you are required to supply necessary OEM spare parts/ materials required for carrying out the AMC work as per SLA.

1. SCOPE OF WORK:-

Sl. No	Description	Qty. in Nos.	AMC Unit price in Rs. Per Annum (Excluding GST.)	GST on Taxable Value	AMC Total Price in Rs. for one year (Including GST)
01	Blade Server(H/W/HP Proliant BL460c Gen 9) Part No. 813198-B21	12	56341	121596	797782
02	KVM (H/W)Model APC KVM 1116P	1	31301	5634	36935
03	Access Control with 10nos. Finger print and 10nos. Swipe Cards(H/W)(BOSCH)	2	39336	14161	92833
04	Precision AC(H/W)Make-Schneider Model- UniSplit	2	105442	37959	248842
05	Blade enclosure with SAN Switch(H/W)(HP Model-C7000	1	309936	55788	365724
06	Router(H/W) HP Model-MSR3064	1	37805	6805	44610
07	SAN Storage with capacity of 20 TB(H/W) HP Model 3PAR 8400	1	498596	89747	588343
08	UTM (Unified Threat Management) for Firewall (H/W)(Cyberoam A Sophos)	1	187200	33696	220896
09	Red Hat Enterprise Linux server Os Software with 2 Socket standard Support	6	35489	38328	251262
10	Red Hat Enterprise Virtualization with Red Hat Virtualization manager software with 2 Socket standard Support	14	44328	111706	732298
Total Price Incl. GST				Rs. 33,79,525/-	

Rupees: (Thirty Three Lakhs Seventy Nine Thousand Five Hundred Twenty Five) only incl. GST.



2. **VALIDITY OF THE CONTRACT:**

This contract shall remain valid for 1(One) Year with effect from 13.05.2020 to 12.05.2021(four nos. Qtr.) for all the above items except items at Sl. No. 09 and 10.

For item at Sl. No. 09 and 10 above the RHEL support shall remain valid for 1(One) year with effect from 01.10.2020 to 30.09.2021(four nos. Qtr.).

The activation of support should be done within 07 days from the date of issue of this work order and the same shall be intimated by you to OPTCL.

3. **TERMS OF PAYMENT:-**

Payment of Rs. 8,44,881.00 (Rupees Eight Lakhs Forty Four Thousand Eight Hundred Eighty One) including GST, only shall be made to you after completion of each quarter of services satisfactorily.

However, the payment is subject to furnishing of following documents:

- (a) Tax Invoice - 3 (three) copies.
- (b) Original preventive maintenance report (Quarterly) of each equipment covered under AMC duly signed by their users/respective ZITC representative / the officer in charge of maintenance in IT Dept. The PM report must record the name in full and designation of the user/ the officer in charge of maintenance in IT Dept. along with office seal (if available) & the full name of the service engineer.
- (c) Submission of BG as at Sl. 5 below

4. **MODE OF OPERATION:-**

- (i) Only the list of service engineers as submitted by the vendor in the beginning of the contract shall render necessary maintenance support.
- (ii) They shall be required to report to the officer-in-charge of maintenance in the I.T. Dept. before and after attending to maintenance of defective machines to record their time of reporting/rectification.
- (iii) You shall submit a copy of your service report duly signed by your service engineer and the user in the OPTCL to our officer-in-charge of maintenance in I.T. Dept. after routine check-up and rectification of defects.
- (iv) You shall make preventive routine check-up of all the equipment covered under AMC once in every three months and submit the preventive maintenance report to our officer -in -charge of maintenance for record.

5. **SUBMISSION OF BANK GUARANTEE:**

A composite Bank Guarantee at the rate of 10% (ten percent) of the value of the contract price i.e Rs. 3,37,952.00 valid for 15 months from the date of issue of the order to be furnished from any Nationalized/Scheduled Bank to the Chief General Manager (I.T), OPTCL within 30 (thirty) days of issue of the purchase order for OPTCL, GRIDCO DC & SLDC DC, executed in a non-judicial stamp paper worth of Rs.100/- (Hundred) only subject to change as per ODISHA Stamp Duty Act as per proforma enclosed, towards security, 100% payment and performance AMC purposes failing which 10% (ten percent) of the value of the contract price i.e Rs.3,37,952.00 shall be deducted from the payment of the 1st Qtr invoice which shall be released after completion of the BG period. In the event of any breach or default in all or any of the conditions set forth and provided in the AMC order, the owner may forfeit the whole amount of the composite bank guarantee. The forfeiture of the composite Bank guarantee shall not in any way affect, limit or extinguish any remedy or relief to which the above authority may at any time be lawfully entitled. No interest will be payable on Composite Bank Guarantee amount.

6. **GENERAL TERMS OF MAINTENANCE CONTRACT:-**

- a) **Preventive Maintenance:-** The contractor shall conduct routine check-up of the above said equipment covered in the Schedule appended here to once in every three months.
- b) **Incident Management**

Contractor shall provide Customer with telephone number (s) and / or other contact information in order to allow Customer to accomplish the required notification and lodge complaint. On receipt of complaint the Contractor shall respond with a complaint Acceptance No. and all future reference to the particular complaint shall bear reference of such Acceptance No.

c) **Problem Resolution:**

Contractor shall provide technical support services to Customer to diagnose Hardware defects, errors and malfunctions either by way of replacement/repair within reasonable period of time as may be necessary to put the system back to operational condition. Contractor shall provide/assist Customers in using the Hardware in a way that can avoid diagnosed errors, malfunctions and defects.

d) The contractor shall respond to the calls registered by the user and resolve the problem as per the time frame mentioned in the Annexure.

i) I.T. equipment restoration time period shall mean the time period by which the IT Equipment is expected to be made operational, from the time the complaint is made by the customer, which includes the time taken by the maintenance engineer to cover the distance.

ii) In the event of failure on the part of the Contractor to render maintenance support as per agreed time frame.

e) The maintenance service under this contract shall be provided by the Contractor directly or through Contractor's authorized service Partner. In the event of service is intended to be provided through any authorized service Partner, the Contractor shall notify in writing about the service Partnership to which the Customer shall consented to. However, when such consent is given it shall not relieve the Contractor of any liability or obligation under this contract. The Contractor shall intimate within 7 days of signing of the contract the list of Service Engineers including any change/replacement who would attend the calls of the Customer.

f) The Contractor shall ensure desired 98% uptime performance of the servers covered under AMC on 24 x 7 basis per month. The uptime performance shall be assessed on monthly basis and price reduction schedule, If any, shall be recovered from the AMC dues.

g) Down Time shall be calculated from the time complaint registered with the Contractor and the time the I.T. Equipment is put to operation after rectifying the faults, at the rate of 24 x 7 hour basis.

Monthly IT Equipment: (26* Days of month* Hours-Monthly) Down Time In Hrs-PM time in Hr
Uptime Performance = $\frac{(26 * \text{Days of month} * \text{Hours} - \text{Time Taken for PM in Hr})}{(26 * \text{Days of month} * \text{Hours})}$ X 100

Note: PM Stands for Preventive Maintenance.

Contractor is not liable for loss of data/software in the Server, PC as part of this contract. Contractor is also not liable for any incidental damage due to the failure of the equipment.

I. **Limitations of Liability:** Contractor's liability under this agreement does not extend to upgrade the system done without Contractor's consent. Any service or circumstances posing a safety or health hazard. In no event shall the Contractor's total liability herein under exceed the amount paid by customer for services hereunder, and in no event shall Contractor be liable for any consequential, incidental or other damages, however caused, whether for breach of contract, negligence or otherwise.

7. **Price Reduction schedule:-**

(a) **Maintenance Support:** In the event of desired guaranteed uptime performance not obtained of the equipment listed at table at sl.1 as per the clause 6.g on monthly basis, due to the lapse in maintenance and repair by the Contractor, the Contractor shall be liable for price reduction as follows.

In the case of Server etc. for each 1% drop below the desired guaranteed uptime performance a price reduction of 1.25% of taxable value of annual maintenance and



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Repair Cost of the equipment for the quarter as quoted in the price schedule shall be made from the AMC dues, Subject to maximum 5% of the AMC value.

(b) **Preventive Maintenance (PM):**

- (i) P.M. shall be done quarterly.
- (ii) PM shall be certified only on rendering preventive maintenance service of all the equipment covered under one contract.
- (iii) If the vendor could not do the P.M. in respect of some I.T items due to reasons attributed to OPTCL's, no price reduction schedule shall be imposed in respect of such cases subject to satisfactory evidence. The total no of I.T items shall be reduced accordingly for the purpose of (iv) below.
- (iv) For non-performance of PM in a quarter a price reduction of 0.5% of the taxable value for the period of defaulted IT equipment shall be imposed for that quarter, subject to maximum 5% of taxable value.

8. **PAYING OFFICER:-**

The Drawing & Disbursing Officer, SLDC, Maricheswar, Bhubaneswar shall be the paying officer of this contract.

9. **OFFICER IN-CHARGE OF MAINTENANCE:-**

Sri U.K Ballarsingh, Asst. Manager (I.T.) of our office is the officer-in-charge to interact with you in matters pertaining to maintenance of above equipment.

10. **TERMINATION OF CONTRACT:-**

If either party fails to comply with the terms and conditions of this order, the other party may terminate this contract upon fifteen (15) days written notice to the breaching party, specifying any such breach, unless the breach specified therein has been remedied within such fifteen (15) days period. Either party may terminate this contract without cause and for any reason, upon (30) day's written notice to the other party. On termination of this contract, the Customer may call upon Contractor to enter into a fresh contract with revised terms and conditions.

11. **JURISDICTION OF THE HIGH COURT OF ODISHA:-** Suits, if any, arising out of this contract shall be filed by either party in a Court of Law to which the Jurisdiction of the High Court of Odisha extends.

12. **FORCE MAJEURE CONDITIONS:-**

The supplier shall not be liable for any penalty for delay or failure to perform the contract for reasons of force majeure such as act of god, act of the public enemy, act of Govt. Fires, Floods, epidemics, quarantine restrictions, strikes, freight embargoes etc. provided that the supplier shall with in Ten (10) days from the beginning of delay on such account notify the purchaser in writing of the causes of delay. The purchaser shall verify the facts and grant such extension, if facts justify.

13. If any clause is found to be missing, terms and conditions of the tender specification may be referred to.

N.B.: All other terms and conditions remain same as per the original work order vice no. TW-IT-375/2015/Vol-II/1835 dated 30-06-2020. If any clause is found missing, terms and conditions of the original W.O. may please be referred.

Please return the extra copy of this work order duly signed by you on every page with your seal as a token of your acceptance. Failing which this order shall be treated as cancelled.

Yours faithfully,

- Encl.:- 1) Extra copy of the work order.
2) Sl. Nos. with Location list of Eqpts.



Chief General Manager (IT)

16/10/2020

ANNEXURE-VI

Ensure

AMC

SLDC DC

(24/04/2020 to 27/10/2020)

21/5/20



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ODISHA POWER TRANSMISSION CORPORATION LIMITED
 (A Government of Odisha Undertaking)
 Regd. Office: Janpath: Bhubaneswar-751022.
 Telephone: (0674) 2540051 (EPABX), Website: www.optcl.co.in
 CIN: U4102OR2004SGC007553

File No. TW-IT-430/2012/ **1425**

Dated. 12.05.2020

From

Chief General Manager (I.T.),
OPTCL, Bhubaneswar.

To

M/s Ensure Support Services India Ltd,
Plot No.A/27, 1st Floor
Saheed nagar
Bhubaneswar -751007

(Kind Attention Mr. Rashmi IMS- Sales)

Sub:- Renewal AMC of PC, PRINTER, SERVER, ONLINE UPS & Network active components at SLDC DC.

Ref:-

- Letter Ref: ESSIL/BHU/OPTCL/RENWAL/21042021-1 dtd. 21.04.2020
- Letter Ref: ESSIL/BHU/OPTCL/RENWAL/19042019-2 dtd. 19.04.2019
- Work order No. TW-IT-430/2012/1995 dated 21.04.2018
- e- Tender Notice No. TW-IT/OT/09/2016-17 DATE: 10-10-2017.

Dear Sir,

With reference to your offer mentioned above, the undersigned is pleased to issue this work order in your favor for comprehensive AMC of under mentioned equipment as per terms and conditions mentioned hereunder. As this is a comprehensive AMC you are required to supply necessary spare parts/ materials required for carrying out the AMC work.

1. SCOPE OF WORK:-

Sl. No.	Description	Qty. in Nos.	AMC Unit price in Rs. for 6 months (Taxable Value)	GST on Taxable Value	AMC Total Price in Rs. for 6 months (Including taxes)
01	Database servers Make & Model: Hp proliant DL 580G5 (Back to back support from the OEM)	2	29000	5220	68440
02	Application Servers Make HP & Model: 580G5 (Back to back support from the OEM)	4	29000	5220	136880

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03	P.C. Make & Model-HP Compaq DX 2480	3	200	36	708
04	Laser Printer (mono): HP CP2015 dn	1	800	144	944
05	Laser Printer(Color): HP CP2025 Dn	1	800	144	944
06	1 Rack Mount KVM Switch with cables: ATENKL9108	1	5250	945	6195
07	30 KVA Online UPS/1hr Back up APC(SUVTP30KII) (Back to back support from the OEM)	2	42000	7560	99120
08	Layer-3 24 Port Switch 10/100/1000 Mbps Network Managed Switch (WS-C4503-E (Cisco) PWR-C45-1000AC, CAB-SABS- C15-IND, WS-X4013+TS,WS-X4424-GB- RJ45, S451PB-12237SG) 2 line card + 1 gig port card (Back to back support from the OEM)	1	62250	11205	73455
09	Layer-2 24 Port Switch 10/100/1000 Mbps Network Managed Switch (Cisco (WS-C2960G-48TC-L), CAB-ACE)	1	2500	450	2950
10	Layer-2 24 Port Switch 10/100/1000 Mbps Network Managed Switch (Cisco (WS-C2960G-24TC-L), CAB-ACE)	3	2000	360	7080
11	Storage Area Network (SAN) 2 TB expandable up to 7TB (EVA 4400HP storage works) (Back to back support from the OEM)	1	137500	24750	162250
12	LTO Tape Drive (HP LT04 Ultrium 1840) (Back to back support from the OEM)	1	25000	4500	29500
13	SAN Switch (HP storage works 8/8 SAN Switch)	2	19250	3465	45430
14	Router (Cisco-2811-SEC/K9, WIC-2T,CAB-SS-V35MT,S28NASK9-12403,PWR-2811-AC,CAB-ACE, ROUTER-SDM-MEM2800-256D-INC, MEM2800-64CF-INC,ACS-2811-STAN)	1	5000	900	5900
Total Price Incl. Taxes			6,39,796.00		

Rupees: (Six lakhs Thirty Nine Thousand Seven Hundred Ninety Six) Only incl. GST.

2. **VALIDITY OF THE CONTRACT:**

This contract shall remain valid for 6 (Six) months with effect from 28.04.2020 to 27.10.2020.

3. **TERMS OF PAYMENT:-**

Payment of Rs.3, 19,898.00 (Rupees Three Lakhs Nineteen Thousand Eight Hundred Ninety Eight) including GST, only shall be made to you after completion of each quarter of services satisfactorily.

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N.B: All other terms and conditions remains same as per the original work order no. TW-IT-430/2012/1995 dated 21.04.2018 & TW-IT-430/2012/2514 dated 26.06.2019. If any clause is found to be missing, terms and conditions of the tender specification may be referred to.

Yours faithfully,

Encl:- Extra copy of the work order.


Sr. General Manager (I.T.)

Memo No. 1426

/Dated. 12.05.2020

Copy to DDO, SLDC (Mancheswar)/CLD, SLDC/CGM (F) Budget/ DGM (Fin.), I.T.Dept., OPTCL, Bhubaneswar for information and necessary action.


Sr. General Manager (I.T.)