

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

Submitted by

SLDC

For FY 2020-21

OPTCL'S PROPOSAL FOR ARR & LEVY OF ANNUAL FEES & CHARGES FOR SLDC FUNCTIONS FOR FY 2020-21

1. The application for approval of Annual Revenue Requirement and Fees & Charges for SLDC for FY 2020-21 has been prepared by OPTCL in line with the provision mentioned in the CERC (Fees & Charges of RLDC & other related matters) Regulations, 2009, OERC (Fees & Charges of SLDC & other related matters) Regulations, 2010 and considering the following recommendation of the MOP Committee Report.
 - (a) SLDC is to be equipped suitably to play the pivotal role of an Independent System Operator (ISO).
 - (b) Power system operation is the core activity of LDCs. Efficient load dispatching also requires a deep understanding of Transmission, Generation and Distribution technology. In view of above, the executives shall be from electrical engineering discipline. Efforts need be made to supplement them with interdisciplinary learning and development.
2. As per the recommendation in the report of the task force committee on "Capital Expenditure and Issues related to Emoluments for Personnel in Load Despatch Centres", the assets pertaining to the Control Centre (SLDC) has to be handed over to the State Load Despatch Centres. Provision for recovery of the outstanding amount for investments made by the POWERGRID on ULDC project shall be kept in the ARR of SLDC.

Provision of CAPEX Plan

3. Commission has approved the CAPEX expenses amounting Rs. 717.99 lacs proposed by SLDC vide their order dated 23.03.2017. 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.
4. 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. Construction of new building could not be completed due to modification of plan and site. The revised proposal along with estimate has been submitted to the Commission for approval.
5. Commission vide letter No. DIR(T)-351/08/1288 dated 10.09.2019 have approved Rs. 27.72 lacss towards procurement & installation of 16 numbers of AC machines and computers & peripherals. The status of CAPEX is enclosed herewith as Annexure-I.
6. The expansion of VPS and up-gradation of VPS work is under progress and expected to be completed by December 2019.

Organizational structure and their Functions

7. OPTCL submitted that the man power structure given in the ARR is in line with the approved structure by the Government of Odisha. Total 67 nos. of executives / non-executives shall be deployed at SLDC.

Item wise Annual Revenue Requirement for SLDC operation as proposed by OPTCL for FY 2020-21

8. As per the OERC (Fees and Charges of State Load Despatch Centre and other related matters) Regulations, 2010 the annual charges consist of the following components:
- a. Return on Equity
 - b. Interest on Loan Capital
 - c. Depreciation
 - d. Operation & Maintenance Expenses Excluding Human Resource expenses
 - e. Human Resource Expenses
 - f. Interest on Working Capital
- a. Return on Equity:**

Since no equity has been invested by SLDC, item (a) is not considered in the ARR.

b. Interest on Loan capital:

Since there is no outstanding loan on SLDC item (b) is 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. 38.388 lacs as per CERC Regulation. The major amount of depreciation charges is for recovering the depreciation cost for computers & peripherals for SLDC data centre, procured during FY 2017-18 / 2018-19 amounting Rs. 26.505 lacs and depreciation cost of VPS screen amounting Rs.5.6 lacs. Total depreciation amount is provided in table –1 below.

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

| Financial Year | 2018-19 | 2019-20 | 2020-21 |
|--|----------------|----------------|----------------|
| 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 | 58.528 | 44.650 | 38.388 |
| TOTAL | 58.528 | 44.650 | 38.388 |

d. Operation and Maintenance Expenses:

Operation and maintenance expenses excluding human resources expenses for FY 2020-21 has been computed as **Rs. 192.368 lacs** considering the R&M expenditure proposed to be incurred for Facility Management Services (FMS), Website charges, AMC charges for SCADA/EMS equipment, IT equipment and Electrical maintenance of office building and colony quarters etc and A&G expenses.

The O & M expenses have been projected considering actual expenditure to be incurred during FY 2020-21.

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

(in Rs. Lacs)

| SL No. | ITEMS | 2018-19 (Actual) | 2019-20 (Approved) | 2019-20 (Actual up to Sept.-19) | 2020-21 (Proposed) |
|--------|---|------------------|--------------------|---------------------------------|--------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Repairs and maintenance expenses | 53.377 | 50.750 | 7.788 | 57.020 |
| 2 | Administrative and general expenses, etc | 118.010 | 116.740 | 49.161 | 135.348 |
| | Total | 171.387 | 167.490 | 56.949 | 192.368 |

c. Human Resources Expenses:

Human resources expenses have been computed as **Rs. 801.309 lacs** considering the existing employees including 5 numbers of Telecommunication personnel working at SLDC control centre. In addition to the above, salary for 2 numbers of contractual / outsourcing staffs, engaged at SLDC as on date has been considered. The salary of staffs for FY 2020-21 has been computed considering implementation of 7th Pay Commission Report. Payment of 60% arrear amounting **Rs. 103.877 lacss** on implementation of 7th Pay commission report has also been considered.

d. Interest on Working Capital:

The interest on working capital (amounting **Rs 260.040 lacss**) is computed as **Rs. 31.335 lacss** as per OERC Regulation considering 12.05 % rate of interest (SBI base rate 9.05% plus 300 basis points). Even though SLDC has not taken loan to meet the working expenses, the provision has been kept due to non-receipt of SLDC charges from the user for two months from the commencement of financial year. The loss of

interest for the above amount is being recovered as interest on working capital. The details on working capital requirement and interest on it is given in table-3 below.

Table – 3: Statement of Interest on Working Capital

(in Rs. Lacs)

| Sl. No. | Particulars | Amount Lacs |
|----------------|--|--------------------|
| 1 | 2 | 3 |
| 1 | O & M expenses for one month excluding human resource expenses | 16.031 |
| 2 | Human resource expenses for one month | 66.776 |
| 3 | Receivables (2 months of SOC & MOC) | 177.233 |
| 4 | Total Working Capital | 260.040 |
| 5 | Rate of Interest | 12.05% |
| 6 | Interest on Working Capital | 31.335 |

9. Expenses proposed for FY 2020-21 is given in table – 4 below.

Table – 4: Abstract of Expenses Proposed for FY 2020-21

(in Rs. Lacs)

| Sl. No. | Particulars | Amount |
|----------------|--|-----------------|
| 1 | Return on Equity | 0.000 |
| 2 | Interest on Loan Capital | 0.000 |
| 3 | Depreciation | 38.388 |
| 4. | O&M Expenses excluding human resource expenses | 192.368 |
| 5. | Human Resource expenses | 801.309 |
| 6. | Interest on Working Capital | 31.335 |
| | Total expenses | 1063.400 |

Certificate of LDC Personnel:

10. The committee on “Manpower, Certification and Incentives for System Operation and Ring fencing Load Despatch Centres” recommended compensation structure, innovative incentive schemes for higher learning and monetary incentives based on the ratings of the employees. For imparting training to the executives, the expenditure for Training & Certification of LDC personnel has been projected as **Rs 9.568 lacs** for FY 2020-21.

SLDC Assets:

11. Most of 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 the Commission.

Determination of Annual Charges for SLDC:

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

Annual charges: Annual charges computed shall comprise of

- a) **System Operation Charges (SOC)** i.e. 80% of Annual charge
 - b) **Market Operation Charges (MOC)** i.e. 20% of Annual charge
- **System Operation Charges (SOC)** shall be collected from the users in the following ratio
 - Intra State Transmission Licensee - 10% on the basis of Ckt-KMs
 - Generating Company & Seller - 45% on the basis of installed capacity
 - Distribution Licensee and Buyers - 45% on the basis of allocation
 - **Market Operation Charges (MOC)** shall be collected equally from the DISCOMs and Generating Companies apportioning to the entitlement and installed capacity respectively.
 - As per the proposed maintenance program, the installed capacity of OHPC stations has been considered as 1700 MW as per the availability projection made by OHPC considering the R&M programme. (Annexure –II)
 - For the purpose of determination of the above charges for CGPs, the maximum MW scheduled during April to October 2019 has been considered. In the absence of approved injection schedule for some of the CGPs during FY 2019-20 (up to October 2019), the approved schedule quantum for previous year has been considered.
 - Further, it has been proposed to collect SLDC charges from industries which are importing power through intra / inter-state open access only for the month of their transaction basing on the maximum scheduled quantum.

Table – 5: Abstract of Collection of SLDC Charges Proposed for FY 2020-21

(in Rs. lacs)

| | |
|--|-----------------|
| Annual charges (AFC) | 1063.400 |
| System Operation Charges (SOC) (80% of the AFC) | 850.720 |
| Intra State Transmission Licensee @ 10% of SOC | 85.072 |
| Generating Station & Sellers @45% of SOC | 382.824 |
| Distribution Licensees & Buyers@45% of SOC | 382.824 |
| Market Operation Charges (MOC) (20% of the AFC) | 212.680 |

| | |
|--|---------|
| Generating Station & Sellers @50% of MOC | 106.340 |
| Distribution Licensees & Buyers@50% of MOC | 106.340 |

Registration Fee:

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

Application Fee and Scheduling Charges:

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

Prayer

Considering the submission made above, OPTCL prays Hon'ble Commission to approve the Annual Revenue Requirement of **Rs. 1063.400 lacs** for FY 2020-21 towards State Load Dispatch Centre (SLDC) function separately and kindly allow recovering the same from the users.

Proposed Levy and Collection of Fees and Charges by OPTCL for SLDC operation for FY 2020-21

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

| | |
|---|-----------------|
| Annual charges | 1063.400 |
| Total Cost (Annual Fixed Cost) | 1063.400 |
| System Operation Charges (SOC) (80% of the AFC) | 850.720 |
| Market Operation Charges (MOC) (20% of the AFC) | 212.680 |

| | |
|---|----------------|
| System Operation Charges (SOC) | 850.720 |
| Intra State Transmission Licensee @10% of SOC | 85.072 |
| Generating Station & Sellers @45% of SOC | 382.824 |
| Distribution Licensees & Buyers@45% of SOC | 382.824 |

(a) Intra State Transmission Licensee (SOC per month) 7.089

(b) Generating Station & Sellers @45% of SOC 382.824

(Rs. in Lacs)

| Sl. No. | Generating Company / Sellers | Installed Capacity (MW) | Total amount | Total amount |
|----------|---------------------------------|-------------------------|--------------|--------------|
| | | | (Annual) | (Monthly) |
| A | State Generating Station | | | |
| 1 | OHPC | 1700.00 | 106.624 | 8.885 |
| 2 | OPGC Stage-I | 420.00 | 26.342 | 2.195 |
| 3 | OPGC Stage-II | 1320.00 | 82.790 | 6.899 |
| 4 | TTPS | 460.00 | 28.851 | 2.404 |

| Sl. No. | Generating Company / Sellers | Installed Capacity (MW) | Total amount | Total amount |
|----------|--|---|--------------|--------------|
| | | | (Annual) | (Monthly) |
| B | Small Hydro & Bio-mass | | | |
| 5 | OPCL (Small Hydro) | 20.00 | 1.254 | 0.105 |
| 6 | Meenakshi Power Ltd. (Small Hydro) | 37.00 | 2.321 | 0.193 |
| 7 | Shalivahana Green Energy Ltd | 20.00 | 1.254 | 0.105 |
| C | IPP | | | |
| 8 | GMR, Kamalanga | 350.00 | 21.952 | 1.829 |
| 9 | Vedanta Limited (IPP) | 600.00 | 37.632 | 3.136 |
| 10 | NBVL (IPP) | 60.00 | 3.763 | 0.314 |
| D | CGPs | Maximum Scheduled (MW) (up to end of October-2019) | | |
| 11 | Aarti Steel Ltd | 48.00 | 3.011 | 0.251 |
| 12 | Aditya Aluminium Limited | 2.00 | 0.125 | 0.010 |
| 13 | Aryan Ispat & Power Pvt. Ltd. | 2.61 | 0.164 | 0.014 |
| 14 | Bhubaneshwar Power Pvt. Ltd. | 119.00 | 7.464 | 0.622 |
| 15 | Bhusan Power & Steel Ltd.,Jharsuguda | 30.00 | 1.882 | 0.157 |
| 16 | Tata Steel BSL Limited, Meramundali | 79.90 | 5.011 | 0.418 |
| 17 | ESSAR Power (Orissa) Ltd. | 27.50 | 1.725 | 0.144 |
| 18 | FACOR Power Ltd. | 8.34 | 0.523 | 0.044 |
| 19 | HINDALCO | 16.08 | 1.009 | 0.084 |
| 20 | IFFCO | 10.00 | 0.627 | 0.052 |
| 21 | IMFA | 44.54 | 2.794 | 0.233 |
| 22 | Jindal Stainless Limited, Duburi | 57.37 | 3.598 | 0.300 |
| 23 | Jindal Steel & Power Ltd., Angul | 202.18 | 12.681 | 1.057 |
| 24 | Maithan Ispat Limited | 9.91 | 0.622 | 0.052 |
| 25 | MGM Minerals Ltd. | 3.96 | 0.248 | 0.021 |
| 26 | NALCO, Angul | 43.20 | 2.710 | 0.226 |
| 27 | Narbheram Power & Steel (P) Ltd | 3.00 | 0.188 | 0.016 |
| 28 | Nava Bharat Ventures Limited | 52.00 | 3.261 | 0.272 |
| 29 | Nilachal Ispat Nigam Limited | 4.91 | 0.308 | 0.026 |
| 30 | Dalmia Cement (Bharat) Ltd. [OCL] | 12.66 | 0.794 | 0.066 |
| 31 | Pattanaik Steel & Alloys Limited | 2.00 | 0.125 | 0.010 |
| 32 | RSP | 4.00 | 0.251 | 0.021 |
| 33 | Shree Ganesh Metalicks Limited | 1.05 | 0.066 | 0.005 |
| 34 | Shyam Metalicks & Energy Limited | 1.00 | 0.063 | 0.005 |
| 35 | SMC Power generation | 4.00 | 0.251 | 0.021 |
| 36 | Tata Steel Long Product Limited (TSIL) | 23.00 | 1.443 | 0.120 |
| 37 | Vedanta Limited (Jharsuguda) | 215.00 | 13.485 | 1.124 |

| Sl. No. | Generating Company / Sellers | Installed Capacity (MW) | Total amount | |
|---------|--|-------------------------|----------------|---------------|
| | | | (Annual) | (Monthly) |
| 38 | Vedanta Limited (Lanjigarh) | 5.00 | 0.314 | 0.026 |
| 39 | VISA Steel Limited | 25.00 | 1.568 | 0.131 |
| 40 | Yazdani Steel & Power Limited | 2.00 | 0.125 | 0.010 |
| | Solar Projects | | | |
| 41 | ACME, Odisha | 25.00 | 1.568 | 0.131 |
| 42 | AFTAB Solar | 5.00 | 0.314 | 0.026 |
| 43 | BEL SOLAR | 7.50 | 0.470 | 0.039 |
| 44 | GEDCOL | 20.00 | 1.254 | 0.105 |
| | Total | 6103.71 | 382.824 | 31.902 |
| (c) | Distribution Licensees & Buyers @45% of SOC | | 382.824 | |
| | | % share | | |
| 45 | CESU | 34.99 | 133.950 | 11.163 |
| 46 | NESCO | 22.67 | 86.786 | 7.232 |
| 47 | WESCO | 27.84 | 106.578 | 8.882 |
| 48 | SOUTHCO | 14.50 | 55.510 | 4.626 |
| | Total | 100 | 382.824 | 31.902 |

Market Operation Charges (MOC)

212.680

(a) Generating Company @50% of MOC

106.340

| <i>(Rs. in Lacs)</i> | | | | |
|----------------------|------------------------------------|---|--------------|-----------|
| Sl. No. | Generating Company / Sellers | Installed Capacity (MW) | Total amount | |
| | | | (Annual) | (Monthly) |
| A | State Generating Station | | | |
| 1 | OHPC | 1700.00 | 29.618 | 2.468 |
| 2 | OPGC Stage-I | 420.00 | 7.317 | 0.610 |
| 3 | OPGC Stage-II | 1320.00 | 22.997 | 1.916 |
| 4 | TTPS | 460.00 | 8.014 | 0.668 |
| B | Small Hydro & Bio-mass | | | |
| 5 | OPCL (Small Hydro) | 20.00 | 0.348 | 0.029 |
| 6 | Meenakshi Power Ltd. (Small Hydro) | 37.00 | 0.645 | 0.054 |
| 7 | Shalivahana Green Energy Ltd | 20.00 | 0.348 | 0.029 |
| C | IPP | | | |
| 8 | GMR, Kamalanga | 350.00 | 6.098 | 0.508 |
| 9 | Vedanta Limited (IPP) | 600.00 | 10.453 | 0.871 |
| 10 | NBVL (IPP) | 60.00 | 1.045 | 0.087 |
| D | CGPs | Maximum Scheduled (MW) (up to end of October-2019) | | |
| 11 | Aarti Steel Ltd | 48.00 | 0.836 | 0.070 |
| 12 | Aditya Aluminium Limited | 2.00 | 0.035 | 0.003 |
| 13 | Aryan Ispat & Power Pvt. Ltd. | 2.61 | 0.045 | 0.004 |
| 14 | Bhubaneshwar Power Pvt. Ltd. | 119.00 | 2.073 | 0.173 |

| Sl. No. | Generating Company / Sellers | Installed Capacity (MW) | Total amount | Total amount |
|----------|--|-------------------------|----------------|--------------|
| | | | (Annual) | (Monthly) |
| 15 | Bhusan Power & Steel Ltd.,Jharsuguda | 30.00 | 0.523 | 0.044 |
| 16 | Tata Steel BSL Limited, Meramundali | 79.90 | 1.392 | 0.116 |
| 17 | ESSAR Power (Orissa) Ltd. | 27.50 | 0.479 | 0.040 |
| 18 | FACOR Power Ltd. | 8.34 | 0.145 | 0.012 |
| 19 | HINDALCO | 16.08 | 0.280 | 0.023 |
| 20 | IFFCO | 10.00 | 0.174 | 0.015 |
| 21 | IMFA | 44.54 | 0.776 | 0.065 |
| 22 | Jindal Stainless Limited, Duburi | 57.37 | 1.000 | 0.083 |
| 23 | Jindal Steel & Power Ltd., Angul | 202.18 | 3.522 | 0.294 |
| 24 | Maithan Ispat Limited | 9.91 | 0.173 | 0.014 |
| 25 | MGM Minerals Ltd. | 3.96 | 0.069 | 0.006 |
| 26 | NALCO, Angul | 43.20 | 0.753 | 0.063 |
| 27 | Narbheram Power & Steel (P) Ltd | 3.00 | 0.052 | 0.004 |
| 28 | Nava Bharat Ventures Limited | 52.00 | 0.906 | 0.075 |
| 29 | Nilachal Ispat Nigam Limited | 4.91 | 0.086 | 0.007 |
| 30 | Dalmia Cement (Bharat) Ltd. [OCL] | 12.66 | 0.221 | 0.018 |
| 31 | Pattanaik Steel & Alloys Limited | 2.00 | 0.035 | 0.003 |
| 32 | RSP | 4.00 | 0.070 | 0.006 |
| 33 | Shree Ganesh Metalicks Limited | 1.05 | 0.018 | 0.002 |
| 34 | Shyam Metalicks & Energy Limited | 1.00 | 0.017 | 0.001 |
| 35 | SMC Power generation | 4.00 | 0.070 | 0.006 |
| 36 | Tata Steel Long Product Limited (TSIL) | 23.00 | 0.401 | 0.033 |
| 37 | Vedanta Limited (Jharsuguda) | 215.00 | 3.746 | 0.312 |
| 38 | Vedanta Limited (Lanjigarh) | 5.00 | 0.087 | 0.007 |
| 39 | VISA Steel Limited | 25.00 | 0.436 | 0.036 |
| 40 | Yazdani Steel & Power Limited | 2.00 | 0.035 | 0.003 |
| E | Solar Projects | | | |
| 41 | ACME, Odisha | 25.00 | 0.436 | 0.036 |
| 42 | AFTAB Solar | 5.00 | 0.087 | 0.007 |
| 43 | BEL SOLAR | 7.50 | 0.131 | 0.011 |
| 44 | GEDCOL | 20.00 | 0.348 | 0.029 |
| | Total | 6103.71 | 106.340 | 8.862 |

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

106.340

| Sl. | | % share | | |
|-----|---------|---------|--------|-------|
| 45 | CESU | 34.99 | 37.208 | 3.101 |
| 46 | NESCO | 22.67 | 24.107 | 2.009 |
| 47 | WESCO | 27.84 | 29.605 | 2.467 |
| 48 | SOUTHCO | 14.50 | 15.419 | 1.285 |

| Sl. No. | Generating Company / Sellers | Installed Capacity (MW) | Total amount | Total amount |
|---------|------------------------------|-------------------------|----------------|--------------|
| | | | (Annual) | (Monthly) |
| | Total | 100 | 106.340 | 8.862 |

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 | 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) | 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 | LS | 22.570060 | 22.570060 | | 244.570 | Assets acquired |
| 4 | Expansion of Visual Pojection System (VPS) | 1 | 160.73000 | 160.73000 | | | Installation is under progress |
| 5 | Upgradation of Visual Pojection System (VPS) | 1 | 106.39000 | 106.39000 | | | Work completed |
| TOTAL | | | 309.10579 | 309.10579 | 0.00 | 262.86 | |
| 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 | - | - | 12.00 | Assets acquired |
| 2 | Procurement of computer and peripherals for SLDC control room & office | - | 15.72 | - | - | 15.72 | Assets acquired |
| TOTAL | | | 27.72 | 0.00 | 0.00 | 27.72 | |

Annexure – II

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

| Power station | Units | Capacity (MW) | Zero Date of R&M | Tentative Date of Commercial Operation | Days unavailable | Days Available | Per day average MW availability |
|----------------------|--|----------------------|-----------------------------|---|-------------------------|-----------------------|--|
| BHEP | 1 (under R&M) | 60 | 05.08.16 | 24.06.2020 | 85 | 280 | 46 |
| | 2 (under R&M) | 60 | 20.11.17 | 30.04.2020 | 30 | 335 | 55 |
| | 3 (programming for R&M) | 60 | 31.03.2020 | 26.04.2021 | 365 | 0 | 0 |
| | 4 (programming for R&M) | 60 | 31.03.2020 | 26.04.2021 | 365 | 0 | 0 |
| | 5 | 60 | Annual maintenance | | 23 | 342 | 56 |
| | 6 | 60 | Annual maintenance | | 26 | 339 | 55 |
| | 7 | 75 | Annual maintenance | | 23 | 342 | 70 |
| | 8 | 75 | Annual maintenance | | 26 | 339 | 69 |
| | Per day average MW availability of BHEP | | | | | | 351 |
| HHEP | 1 | 49.5 | | | 0 | 365 | 49.5 |
| | 2 | 49.5 | Annual maintenance | | 28 | 337 | 45 |
| | 3 | 32 | Annual maintenance | | 30 | 335 | 29 |
| | 4 | 32 | Annual maintenance | | 31 | 334 | 29 |
| | 5 (under R&M) | 43.65 | 25.10.2016 | 19.06.2020 | 80 | 365285 | 34 |
| | 6 (under | 43.65 | 16.10.2015 | 28.03.2020 | 0 | 365 | 43.65 |

| Power station | Units | Capacity (MW) | Zero Date of R&M | Tentative Date of Commercial Operation | Days unavailable | Days Available | Per day average MW availability |
|-------------------|--|---------------|---|--|------------------|----------------|---------------------------------|
| | R&M) | | | | | | |
| | 7 | 37.5 | Annual maintenance | | 30 | 335 | 34 |
| | Per day average MW availability of HHEP | | | | | | 264 |
| CHEP | 1 | 24 | Capital maintenance | | 120 | 245 | 16 |
| | 2 | 24 | Annual maintenance | | 30 | 335 | 22 |
| | 3 (under R&M) | 34 | 15.10.2015 | 31.10.2019 | 0 | 365 | 24 |
| | Per day average MW availability of CHEP | | | | | | 62 |
| RHEP | 1 | 50 | Annual maintenance | | 31 | 334 | 45 |
| | 2 | 50 | Annual maintenance | | 31 | 334 | 45 |
| | 3 | 50 | Annual maintenance | | 28 | 337 | 46 |
| | 4 | 50 | Annual maintenance | | 30 | 335 | 45 |
| | 5 | 50 | Annual maintenance | | 46 | 319 | 43 |
| | Per day average MW availability of RHEP | | | | | | 224 |
| UKHEP | 1 | 80 | Annual maintenance | | 30 | 335 | 73 |
| | 2 | 80 | Annual maintenance | | 30 | 335 | 73 |
| | 3 | 80 | Annual maintenance | | 30 | 335 | 73 |
| | 4 | 80 | Annual maintenance | | 30 | 335 | 73 |
| | Per day average MW availability of UKHEP | | | | | | 292 |
| UIHEP | 1 | 150 | Annual maintenance | | 30 | 335 | 137 |
| | 2 | 150 | Capital maintenance | | 136 | 229 | 94 |
| | 3 | 150 | Annual maintenance | | 30 | 335 | 137 |
| | 4 | 150 | Annual maintenance installation of DVR/PSDF | | 30 | 335 | 137 |
| | Per day average MW availability of UIHEP | | | | | | 505 |
| Total OHPC | Per day average MW availability of OHPC | | | | | | 1698 say 1700 |
