**POWER SYSTEM OPERATION CORPORATION LIMITED**

**National Load Despatch Centre**

**(Designated as Nodal Agency in accordance with Regulation 5 of CERC (PSDF) Regulations, 2014)**

**(PSDF-Secretariat)**

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**Ref. No. NLDC-PSDF/ 24th Ap. Co./ 2021-22 Dated**

**Subject: Agenda for (24th) Twenty fourth meeting of the Appraisal Committee of PSDF.**

Twenty fourth meeting of the Appraisal Committee of PSDF, to be chaired by Chairperson, CEA, is scheduled to be held on 17**th November 2021 at 1530 Hrs**. through the online MS Teams platform.

The agenda for the meeting is as below.

1. **Confirmation of the Minutes**

MOM of 23rd meeting of the Appraisal Committee held on 11th January 2021 was circulated vide letter dated 28th January2021. No comments have been received from the members. Therefore, the minutes may be considered as approved.

1. **Proposals recommended for approval/deemed return/direction.**
   1. **Recommendation for approval of the proposal.**

Two (2) proposals examined by the TESG in its various meetings were found to be in order and put up for recommendation of PSDF funding. A summary of the proposals is given below:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Summary of the Projects Recommended for funding from PSDF by TESG during 57th meeting held on 27th September 2021** | | | | | | |
| **S.**  **No** | **Entity Name** | **Proposal Name(Proposal No)** | **Estimated Cost by Entity Rs. Crore** | **Estimated Cost accepted by TESG** | **Eligible grant** | |
| 1 | MSEDCL  Maharashtra | Installing Capacitor Bank at 33/22/11 KV Substation # | 381.57 | 132.62 | 119.36 | 90% |
| 2 | OPTCL  Orissa | Implementation of SAMAST (Scheduling, Accounting, Metering and Settlement of Transactions in Electricity) in OPTCL Orrisa \* # | 30.09 | 17.14 | 15.43 | 90% |
| **Total** | | | 411.66 | 149.76 | 134.79 | 90% |

**\*** Entity to ensure cyber security of the system in line with the various Acts and Regulations/Guidelines issued by the Government of India.

**#** The entity to comply with Public Procurement (Preference to Make in India) order and its amendments issued by the Government of India time to time.

The relevant extracts from MOM of TESG meetings in respect of the above proposals are enclosed at ***Annexure-I***.

* 1. **Proposals recommended for deemed return.**

The TESG has recommended that nine (9) proposals may be deemed as returned. The summary is as given below and extract from the MOMs of relevant TESG meetings of these proposals is enclosed as ***Annexure-II***.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Entity Name** | **Proposal Name** | **Estimated Cost  Rs. Crore** | **Observations and recommendations of TESG** |
| 1 | GETCO  Gujarat | Smart Feeder Monitoring System Locations 2000 Nos of 66kV Substations of GETCO (Project ID-309) | 241.80 | TESG during its 57th Meeting observed that the monitoring of the 66 kV feeders should be covered under SCADA system installed in SLDC GETCO. This is business as usual and shall not be qualified for funding through PSDF Scheme. |
| 2 | NERPC | Procurement of Additional Licenses of Protection Setting Calculation Tool for North Eastern Region. (Proposal No: 310) | 9.69 | TESG during its 57th Meeting observed that the proposal of NERPC for procurement of additional licenses is not justified. Therefore, TESG to put up the same to Appraisal committee for deemed return. |
| 3 | NERPC | Procurement and Implementation of Automatic Fault Analyzer System for North Eastern Region. (Proposal No: 311) | 50.74 | TESG during its 57th Meeting observed that the availability of pre-requisite infrastructure for successful implementation of AFAS system is not available at present in the NER. Therefore, the proposal of NERPC for implementation of AFAS system in NE Region may not be considered for PSDF funding. NERPC and NER utilities shall be advised to first implement the project of OPGW based fiber-optic communication installation work in their region and upgradation of all protection relays to Numerical relays which is a pre-requisite for AFAS system. NLDC was requested to put up the proposal for deemed return to Appraisal Committee. |
| 4 | DoP, Nagaland | Upgradation of Control & Protection System and Replacement of different substation Equipment’s in 66kV voltage class Substations in the state of Nagaland. (Proposal No: 313) | 13.09 | TESG during its 57th Meeting observed that funding from PSDF is already being provided to NER for R & U of control & protection systems Projects upto 132 kV level which is one level below as compared to other regions. Therefore, there is no need for going further one level below to 66 kV. |
| 5 | GETCO, Gujarat | Implementation of Information Security Management System. (Proposal No: 314) | In principal approved requested before submission of DPR | TESG during its 57th Meeting observed that the project is for ISO certification and not for improvement /development of Power system. Therefore, it is not eligible for PSDF funding as it does not qualify under any of the categories defined in the PSDF guidelines. Therefore, TESG decided not to consider the project for PSDF funding and to return the project. NLDC was requested to put up the proposal to Appraisal committee for deemed return. |
| 6 | PSTCL, Punjab | Implementation of Substation Automation System at 90 nos 220kV substations of PSTCL. (Proposal No: 265) | 318.55 | The Monitoring Committee in its 14th meeting decided to priorities the projects eligible for PSDF funding due to a decline in the inflow of funds in the PSDF account. It was decided that all proposals received up to date of the meeting (i.e. 7.1.2019) shall be examined and considered for funding and only the following category of projects were recommended for funding for 1 year starting from 08.01.2019. 5.2 In view of above decisions, the above proposal (265, 275, 278 and 280) received by NLDC, were not examined by TESG.  TESG decided that the above projects may be deemed returned. And since in 16th Monitoring Committee held on 08.03.2021, the decision of 14th monitoring committee was revoked, the project entities may be asked to resubmit the fresh DPRs, if required |
| 7 | TSTRANSCO, Telangana | Renovation & Upgradation of Protection and Control System of Grid Substations in TSTRANSCO (Proposal No: 275) | 36.06 |
| 8 | PTCUL, Uttarakhand | Replacement of ACSR Conductor with HTLS Conductor in 220kV & 132kV Lines of PTCUL (Proposal No: 278) | 172.54 |
| 9 | DTL, Delhi | Installation of Shunt Reactors in Delhi (Proposal No: 280) | 54.13 |
| Total | | | 896.60 |  |

1. **Agenda for Direction of the Appraisal Committee:**
   1. **Charging Infrastructure for Electric Vehicles:** During the meeting held on 17.09.2021 at 11.00 AM under the chairmanship of Hon'ble Minister of Power and New & Renewable Energy on rollout of Charging Infrastructure for Electric Vehicles and promotion of EVs in Government Departments. It was informed that Government of India had selected 9 cities (Mumbai, Delhi, Bangalore, Hyderabad, Ahmedabad, Chennai, Kolkata, Surat, and Pune) with 4 million plus population along with the connecting Highways/Expressways to target for accelerated E Mobility adoption. It was informed that an action plan was being worked out for installation of Public Charging Stations (PCS) in these selected cities which would be replicated in other Tier I and Tier II cities in future. It was also proposed that Ministries/Departments of Government of India should migrate fully to EVs in 3 years. MOM of the meeting ia attached at **Annexure-II.**

In this regard, Secretary (Power) informed that a Revenue Sharing Model (RSM) agreement was being prepared by the Bureau of Energy Efficiency (BEE) for this purpose which shall soon be shared with the State Governments. Under such model, the land-owning agency shall sign an RSM agreement with the PCS installing agency and provide land for installing the PCS.

Hon’ble Minister further directed that any additional upstream infrastructure, if required, shall be funded through the Power System Development Fund (PSDF) and/or Reform Linked Distribution Scheme

In this regards it is mention that as per the present PSDF guidelines there is no provision for the sanctioning of the funds for EV charging unfractured. Therefore, the amendment in the PSDF guidelines is required to be done for inclusion of funding for EV charging infrastructure through PSDF fund. The amendment can be done with the approval of the monitoring committee. Direction of Appraisal committee is therefore required for the same.

* 1. **Pilot Battery Energy Storage System (BESS):** MOP has intimated regarding setting up of Pilot Projects of 500 MW/1000MWh Standalone Battery Energy Storage Systems in India under Tariff-Based Global Competitive Bidding (ESS-I). The Funding of the same is proposed too be done from PSDF fund. The approval of the Monitoring g committee is required for the same. Appraisal committee may please direct on the same.

1. **Agenda for information of the Appraisal committee.**
   1. **The outcome of the Meetings of PSDF Project Monitoring Group (PMG):**
      1. The 15th Meeting of Project Monitoring group: The 15th Meeting of the Project monitoring group was held on 4.12.2020 for review of the projects being executed by the Entities of the Western region through PSDF scheme. A presentation on the projects sanctioned under PSDF grant for Western Region was made by NLDC in the meeting and the State wise /entity wise progress of the implementation of the 34 no. of proposals of Western Region sanctioned under PSDF, were reviewed.

It was observed that due to delay in implementation of the sanctioned projects, the objectives of the projects were not being met in the envisaged timeline. This was stated to be evident from the fact that so far, grant of only Rs. 205.05 crore has been availed by the WR entities out of total sanctioned grant of Rs. 1149.72 crore.

* + 1. The 16th and 17 the meeting of the Project Monitoring Group (PMG)**: The** Sixteenth (16th) and Seventeenth (17th) meeting of Project Monitoring Group (PMG) of Power System Development Fund (PSDF) was held from 04.06.2021 to 25.06.2021 through online MS team’s platform. The requests for Time Extension and Quantity Variation of various project entities were examined during the meeting.
* The PMG approved time extension for a total of 22 projects.
* The PMG approved quantity variation for total 6 projects.
  + 1. The 18th meeting of the Project Monitoring Group (PMG): The Eighteenth (18th) meeting of Project Monitoring Group (PMG) of Power System Development Fund (PSDF) was held on 22.10.2021 through online MS team’s platform. The requests for Time Extension and Quantity Variation of various project entities were examined during the meeting.
* The PMG examined time extension for a total of 18 projects.
* The PMG examined quantity variation for total 4 projects.

The MOM is under approval.

1. **Information to Appraisal Committee**
   1. **Status of Funds and project approval under PSDF**

The Status of Funds and project approval under PSDF is given below:

***Status as on 31.10.2020***

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Description** | **Amount**  **(Rs crore)** |
| 1 | Funds under PSDF as on 30.9.2021  [ Funds transferred in this FY 2021-22 up to 30.09.2021 is Rs. 1006.95 crore] | **18438.46** |
| 2 | Funds committed for 174 Proposals approved for PSDF funding | 12190.25 |
| 3 | Funds released by MOP for Stranded Gas Projects | 1509 |
| 4 | Balance funds under PSDF (1-2-3) | **4739.21** |
| 5 | 47 Proposals under examination, estimated cost approx. ₹. 3351.22 crore and projected requirement of grant. (75% of estimated cost) | 2513.42 |
| 6 | Balance funds under PSDF after meeting projected requirements (4-5) | **2225.79** |

* 1. **Year wise disbursement of funds**

***as on 31.10.2020***

***Rs in crore***

|  |  |  |
| --- | --- | --- |
| **F.Y.** | **Actual released by MoP to NLDC for disbursement** | **PSDF amount disbursed by POSOCO to project entities** |
| 2014-15 | 185.46 | 0.0 |
| 2015-16 | 175.00 | 138.8 |
| 2016-17 | 219.31 | 279.1 |
| 2017-18 | 772.21 | 913.6 |
| 2018-19 | 6047.70 | 4748.8 |
| 2019-20 | 103.47 | 1293.7 |
| 2020-21 | 370.48 | 348.7 |
| 2021-22 | 64.63 | 188.3 |
| **Total** | **7938.26** | **7910.97** |

* 1. Year-wise collection and transfer of funds from the Regulatory Pool accounts to Ministry of Power is enclosed as ***Annexure-III***.

1. **Annual Report of 2020-21**

The Annual report of PSDF is prepared and the same is enclosed as **Annexure-IV**.

1. **Any other agenda with the permission of the Chair.**

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