

No. 26/1/2014- APDRP
Government of India
Ministry of Power

Shram Shakti Bhavan, Rafi Marg,
New Delhi Dated 3rd December 2014

OFFICE MEMORANDUM

Subject: "Integrated Power Development Scheme" (IPDS)

Sanction of the President of India is conveyed for launch / implementation of "Integrated Power Development Scheme" (IPDS) with the following components:

- (i) Strengthening of sub-transmission and distribution networks in the urban areas;
- (ii) Metering of distribution transformers / feeders / consumers in the urban areas.
- (iii) IT enablement of distribution sector and strengthening of distribution network, as per CCEA approval dated 21.06.2013 for completion of the targets laid down under R-APDRP for 12th and 13th Plans by carrying forward the approved outlay for R-APDRP to IPDS.

2. The components at (i) and (ii) above will have an estimated outlay of Rs 32,612 crore including a budgetary support of Rs 25,354 crore from Government of India during the entire implementation period. Details are given in **Annexure-I**.

3. The scheme of R-APDRP as approved by CCEA for continuation in 12th and 13th Plans will get subsumed in this scheme as a separate component relating to IT enablement of distribution sector and strengthening of distribution network [component (iii) above] for which CCEA has already approved the scheme cost of Rs 44,011 crore including a budgetary support of Rs 22,727 crore. This outlay will be carried forward to the new scheme of IPDS in addition to the outlay indicated in para 2 above.

4. **Scope of works:** The scheme will cover works relating to strengthening of sub-transmission & distribution system, including provisioning of solar panels, metering of distribution transformers / feeders / consumers in the urban areas, and IT enablement of distribution sector. The details of scope of works covered under the scheme are given at **Annexure-II**.

5. **Eligible Utilities:** All Discoms including private sector Discoms and State Power Departments will be eligible for financial assistance under the scheme. In case of private sector Discoms where the distribution of power supply in the urban areas is with them, the projects under the scheme will be implemented through a State Government Agency and the assets to be created under the scheme will be owned by the State Government / State owned companies. These assets will be handed over to the concerned Discom for their use during the license period on mutually agreed terms & conditions. The responsibility of operation and maintenance of these assets would be of the Discom concerned.

6. **Formulation of DPR and Project Appraisal Mechanism:** The Discoms will assess the need for strengthening the urban distribution networks and will formulate bankable Detailed Project Reports (DPRs) for coverage under the scheme. The DPRs

will be recommended by the existing Distribution Reforms Committee (DRC) at the State level under the Chairmanship of the Chief Secretary/Principal Secretary/Secretary Power/Energy constituted by the State for R-APDRP. The scope of the Committee will be extended to cover IPDS. The DRC will ensure that there is no duplication of works while recommending the projects to the Nodal Agency. Power Finance Corporation Limited (PFC) will act as the Nodal Agency for operationalization of the scheme. The Nodal Agency will be paid 0.5% of the total project cost as their fee. The projects will be appraised and duly recommended by the Nodal Agency for approval of the Monitoring Committee chaired by Secretary (Power), Ministry of Power, Govt. of India.

7. Monitoring Committee: The DPRs will be placed for approval of the Monitoring Committee under the Chairmanship of Secretary (Power). The Committee will consist of representatives from Ministry of Power, Ministry of Finance, Ministry of Urban Development, Ministry of Housing & Urban Poverty Alleviation, Ministry of New and Renewable Energy, Central Electricity Authority (CEA) and Planning Commission. Chairman & Managing Director, PFC will be the Member Secretary & Convener of the Committee. The Committee will be empowered to approve operational guidelines to be prepared by the Nodal Agency for implementation of the scheme and to amend these guidelines (including the scope of work in Annexure-II) from time to time within the overall approval to be granted by CCEA. The Committee will also monitor implementation of the scheme.

8. Tripartite/ Bipartite agreement: Suitable Tripartite agreement will be executed between PFC as the Nodal Agency on behalf of Ministry of Power, the State Government and the Discom to ensure implementation of the scheme in accordance with the guidelines prescribed under the scheme. Bipartite agreement will be executed in case of State Power departments.

9. Project Management Agency (PMA): A Project Management Agency (PMA) will be appointed by the utility for monitoring and ensuring timely implementation of the project. 100% grant will be provided by GoI towards expenditure incurred on Project Management Agency (PMA) as per provision in the scheme which will be limited to 0.5% of cost of works.

10. Execution Period: Projects under the scheme will be completed within a period of 24 months from the date of issue of Letter of Award (LoA) by the utility. In case the Discoms / Power Departments are not able to complete the projects within stipulated time period due to circumstances beyond their control, the proposed Monitoring Committee will be authorized to grant time extension based on merits in exceptional cases on a case to case basis.

11. Supporting/ Enabling activities of Ministry of Power: A provision of 0.5% of the total project cost has been kept for the supporting/ enabling activities of Ministry of Power relating to implementation of the scheme such as capacity building, awareness creation, monitoring, field inspections, evaluation studies, training etc.

12. Funding pattern: The funding mechanism is proposed as under:

Agency	Nature of support	Quantum of support (Percentage of project cost)	
		Other than Special Category States	Special Category States #
Govt. of India	Grant	60	85

Discom Contribution*	Own Fund	10	5
Lender (FIs/ Banks)	Loan	30	10
Additional Grant from GOI on achievement of prescribed milestones	Grant	50% of total loan component (30%) i.e. 15%	50% of total loan component (10%) i.e. 5%
Maximum Grant by GOI (including additional grant on achievement of prescribed milestones)	Grant	75%	90%

Special Category States (All North Eastern States including Sikkim, J&K, Himachal Pradesh, Uttarakhand)

*Minimum contribution by Discom(s) is 10% (5% in case of Special Category States). However, Discom(s) contribution can go up to 40% (15% in case of Special Category States), if they do not intend to avail loan. In case, the Discom(s) do not avail loan, the maximum eligible additional grant would be 15% (5% in case of Special Category States) on achievement of prescribed milestones. The loan component would be provided by PFC or by other FIs / Banks.

Note: 100% grant will be provided by GoI towards expenditure incurred on activities for bridging the missing links of National Optical Fibre Network (NOFN), Training & Capacity Building, Establishment of National Power Data Hub at CEA and Project Management Agency (PMA) as per provision in the scheme.

13. Release of funds by GoI: The grant support from GoI is proposed to be extended as per following milestones:

Tranche no.	Conditions for release of grant support by GoI	Release of Grant component of GOI
1	(i) Approval of DPRs by Monitoring Committee (ii) Bipartite / Tripartite agreement between Discoms, State Govt & Nodal Agency on behalf of MoP.	10%
2	Placement of Letter of Award (LoA) by the utility	20%
3	Utilisation of 90% of grant released by GOI (1st and 2nd Tranche) and 100% release of Discom contribution	60%
4	After completion of works	10%

14. Milestones for release of additional grant (50% of loan component i.e. 5% for special category States and 15% for other States): Additional grant (i.e. conversion of 50% of loan component) under the scheme will be released subject to achievement of following milestones:

- Timely completion of the scheme as per laid down milestones
- Reduction in AT&C losses as per trajectory finalized by MOP in consultation with State Governments (Discom-wise)
- Upfront release of admissible revenue subsidy, if any, by State Govt. based on metered consumption

15. Implementation of IT enablement of distribution sector and distribution network strengthening under R-APDRP component of the scheme: All ongoing projects under this component of the scheme will be implemented as per CCEA approval

dated 21.06.2013 and the commitment made/targets fixed under RAPDRP will be completed by carrying forward the approved outlay of RAPDRP to IPDS. A copy of Order issued by Ministry of Power earlier, conveying the approval of CCEA, with regard to continuation of R-APDRP during XII and XIII Plans is enclosed at **Annexure-III**.

16. A model benchmark for power systems in urban areas which sets standards in items like digital / prepaid metering, underground cabling of 11KV and LT lines, limits for AT&C losses etc. will be prepared by CEA within 45 days of the approval of the CCEA i.e. by 5th January 2015.


17. The expenditure involved on above scheme would be debitable to approved budget grant No. 2801.03.00.35 of Ministry of Power for the year 2014-15 and the relevant budgetary heads of subsequent years.

18. The scope of work listed in Annexure II of this sanction will be eligible for funding provided it is not covered under any GoI programme like RAPDRP / RGGVY/ NEF etc. The projects for which any other grant / subsidy from Government of India has already been received / proposed to be received shall not be eligible under this scheme. Distribution Reforms Committee (DRC) at the State level under the Chairmanship of the Chief Secretary/Principal Secretary/Secretary Power/Energy constituted by the State for R-APDRP shall ensure that there is no duplication of works while recommending the projects to the Nodal Agency.

19. The Nodal Agency will submit monthly progress report indicating both financial and physical progress on the implementation of the scheme to Ministry of Power and CEA.

20. The detailed guidelines for the implementation of the scheme will be issued separately.

21. This issues with the concurrence of Finance Branch of the Ministry of Power vide their Dy. No. 191/Fin/2014 dated 01.12.2014


(B.N. Sharma)
Joint Secretary
Tel: 23710199

To

1. Chief Secretaries of all States
2. Energy/Power Secretaries of all the State Governments
3. Chairmen of State Electricity Boards/ CMDs of State Power Utilities
4. Chairman & Managing Director, Power Finance Corporation Ltd., New Delhi.

Copy forwarded to:

1. Director, Cabinet Secretariat, Rashtrapati Bhavan, New Delhi.
2. Ministry of Finance, Department of Expenditure (DS, Plan Finance Division-II), North Block, New Delhi.
3. Ministry of Finance, Department of Economic Affairs, North Block, New Delhi.
4. Planning Commission, Yojana Bhavan, New Delhi.

5. Chairperson, Central Electricity Authority, R.K. Puram, New Delhi.
6. Finance/Budget Section, Ministry of Power, New Delhi.
7. Controller of Accounts, Ministry of Power, New Delhi.
8. Principal Director of Audit, Economic & Services Ministries, AGCR Building, I.P. Estate, New Delhi.
9. 13th Finance Commission, Ministry of Finance, Jawahar Vyapar Bhavan, New Delhi.
10. Department of Programme Implementation, Sardar Patel Bhavan, New Delhi.

Copy to:

PS to Minister of State for Power (Independent Charge)
PPS to Secretary (Power)
PS to SS (RNC) / SS (DC)
PS to JS(D)/Joint Secretary & FA / All JS in Ministry of Power

IPDS Outlay and the GBS Requirement

Outlay for components other than relating to IT enablement of distribution sector and strengthening of distribution network under R-APDRP:

SI No.	Proposed Works	Amount in Rs. crore
A	Item of works proposed for partial funding by GOI	
1	Sub Transmission & Distribution Infrastructure (New/ augmentation of substation, 66,33,22 &11 kV lines, LT lines etc)	25,342
2	Metering of Consumer, Feeder Metering & DT metering including Smart Meters	1710
3	GIS sub-station (1000 nos substation)	1500
4	Renovation and Modernisation of existing sub stations and lines	3000
5	ERP Implementation	350
	Sub-Total (A)	31,902
B	Item of works proposed for 100% funding by GOI	
6	Establishing Missing link of Optic fibre (Upto Sub Stations under National Optic Fibre Network-NOFN)	120
7	Establishment of National Power Data Hub at CEA	10
8	Training & capacity building	100
9	Project Management Agency (PMA) @ 0.5% of total cost of works [0.5% of A]	160
	Sub-Total (B)	390
	Total Project Cost (A+B)	32292
C	Fee of Nodal Agency and provision for enabling activities for Ministry of Power	
10	PFC fee @0.50 % of total cost of works (A)	160
11	Provision for MoP for enabling activities @0.50 % of total cost of works (A)	160
	Sub-Total (C)	320
	GRAND TOTAL (A+B+C)	32,612

GBS for components other than relating to IT enablement of distribution sector and strengthening of distribution network under R-APDRP:

(Amount in Rs crore)

Sl. No	Particulars	Other than Special Category States	Special Category States	Total
1	Total Cost of Works proposed for partial funding by GOI	27116.70	4785.30	31902.00
2	Percentage of project cost proposed to be shared by GoI as Grant	75%	90%	-
3	Grant Component for works proposed for partial funding by GOI	20337.52	4306.77	24644.29
4	Total Cost of Works proposed for 100% funding by GOI	390		390
5	Fee of Nodal Agency and provision for enabling activities for Ministry of Power	320		320
	Total GBS Requirement (3+4+5)			25354.29 Say 25,354

Scope of works

1. Strengthening of sub-transmission and distribution network

The following works shall be eligible to be covered under the scheme based on study/assessment carried by the respective State Discoms / Power Departments for identifying critical gaps in sub-transmission and distribution network considering all relevant parameters (such as voltage regulation, HT & LT ratio, optimum loading of transformers & lines, reactive power management, power factor improvement, standard of performance, ongoing works under other schemes etc.):

- (i) Creation of new sub stations including GIS along with associated 66 KV / 33 KV/ 22 KV/ 11 KV lines
- (ii) Augmentation of existing sub-stations capacity by installation of higher capacity/additional power transformer along with associated equipment/ switchgear etc.
- (iii) Erection of HT lines for reorientation/re-alignment including augmentation of existing lines
- (iv) Installation of new distribution transformers and augmentation of existing distribution transformers along with associated LT lines
- (v) Installation of capacitors
- (vi) Renovation and Modernization of existing sub-stations and lines
- (vii) Laying of under-ground cables in densely populated areas and areas of tourism and religious importance
- (viii) High voltage distribution system (HVDS)
- (ix) Aerial Bunched Cable for theft prone areas
- (x) IT Applications
 - (a) ERP
 - (b) Customer Care Services

2. Metering

- (i) Installation of suitable static meters for feeders, distribution transformers and all categories of consumers for existing un-metered connections, replacement of faulty meters & electro-mechanical meters.
- (ii) Installation of Pillar Box for relocation of meters outside the premises of consumers including associated cables and accessories
- (iii) Installation of prepaid / smart meters in Govt. establishment
- (iv) AMI, Smart meters in the towns where SCADA being established under R-APDRP.
- (v) Boundary meters for ring fencing of Non-RAPDRP Towns with population more than 5000
- (vi) AMR for feeders, Distribution transformer and high load consumers

3. "IT enablement of distribution sector and distribution network strengthening under R-APDRP" component as per ongoing RAPDRP scheme in accordance with CCEA approval dated 21.06.2013 for continuation of scheme in 12th and 13th Plan and applicable guidelines

4. Completion of optical fibre missing links to connect all the 33 KV or 66 KV grid sub stations under the establishment of National Optical Fibre Network (NOFN)
5. Establishment of National Power Data Hub at CEA
6. Training & Capacity Building
7. Provisioning of Solar Panel

Above works shall be eligible under the scheme provided proposed scope of works is not covered under any GoI program like R-APDRP/ RGGVY / NEF etc. The projects for which any other grant / subsidy from Government of India has already been received / proposed to be received shall not be eligible under this scheme. Distribution Reforms Committee (DRC) at the State level under the Chairmanship of the Chief Secretary/Principal Secretary/Secretary Power/Energy constituted by the State for R-APDRP shall ensure that there is no duplication of works while recommending the projects to the Nodal Agency.

List of items not eligible to be covered under the scheme

1. Works already covered under other schemes of Govt. of India.
2. AML in the towns where SCADA is not planned under R-APDRP
3. Civil works other than sub station
4. Service lines to consumer
5. GIS survey of assets and consumers
6. Cost of land for sub-stations
7. Compensation towards right of way
8. Distribution automation and IT applications (except ERP and Customer Care Services)
9. Office equipment / fixtures
10. Spares (Other than mandatory spares prescribed by the manufacturer)
11. Tools and Plants (T&P)
12. Vehicles
13. Salaries and Establishment Expenditure

