

# AJMER DISCOM

## Note on Programmes/schemes under execution during the year 2017-18

### 1.0 Proposed Annual Plan for the year 2017-18

1.1 The plan outlay for the year 2017-18 is Rs. 1405.00 Crores. The Proposed plan outlay and resources envisaged for financing outlay of Rs. 1405.00 Crores for the year 2017-18 is given as hereunder:-

### 1.2 PROPOSED PLAN OUTLAY (2017-18)

(Rs.In Crore)

1. Sub-Transmission	340.00
2. Normal RE works including release of new connections	400.00
3. Rajiv Gandhi Gramin Vidyutikaran Yojna/AREP	125.00
4. Re-structured APDRP (Part-A)	4.00
5. Re-structured APDRP (Part-B)	41.00
6. Feeder Improvement Programme	205.00
7.DDUGJY	190.00
8.IPDS	100.00
<b>Total</b>	<b>1405</b>

### 1.3 RESOURCES (2017-18)

The details of resources envisaged for financing outlay of Rs. 1405.00 Crores for the year 2017-18 are given as under:-

Resources	(Rs. In Crore)
LIC	0.00
REC for normal RE works, R-APDRP, RGGVY,DDUGJY	883.87
PFC & other Commercial Banks	429.00
State Govt. Equity inclusive of counterpart funding	92.13
<b>Total</b>	<b>1405</b>

### 1.4 Head Wise Over All Plan for the year 2017-18

### 1.5 Head:- Sub-Transmission & Distribution

A provision of Rs 340.00 Crores has been kept in plan for sub-transmission & Distribution system Improvement Scheme i.e. for creation of new 33/11 kV S/s, augmentation of S/s Capacity, new 33 & 11 kV lines, augmentation of Capacity of DTs etc. Also the work on GPVVY is under progress. The GPVVY Scheme has already been approved from Govt. of Rajasthan and the features of the Scheme is as follows:-

- a. Each Panchayat of state shall have a independent 11KV feeder covering the villages of the panchayat.
- b. Additional 33/11 KV S/S will be created for a group of 3 to 4 Panchayat at the load center.
- c. The length of 11 KV feeder preferably is not more than 5- Km.
- d. Each 33/11 KV S/S will have not more than 3 to 4, 11KV feeders for feeding the villages Panchayat wise.
- e. 33/11 KV S/S capacity will be such that not more than 80% load comes in peak season.
- f. Each 11KV feeder will be restricted possibly to a maximum load of 80 Amps.
- g. Spans of overhead 11KV line in the rural areas will be tried to be reduced by providing intermittent poles.
- h. Neutral wire shall be drawn for each 1 phase transformer upto 33/11 KV so as ensure safety of 1 phase system as a consequence of growth in domestic demand of rural areas in future.

In addition to above this provision is meant to provide both 33KV & 11KV S/Ss. Lines, 11KV Capacitors, ABC Conductor, Renovation of 11KV Feeders etc. for strengthening the sub-transmission & distribution network to reduce the T&D losses & improve the quality & reliability of electric supply in jurisdiction of Ajmer Discom. It is proposed to lay in total 325 Kms. of 33 KV lines and construct 65 Nos. 33/11 KV sub-stations .

**1.6 Head:- Normal RE works including release of new connections:-**

A provision of Rs 400.00 Crores has been kept for RE programme for the Year (2017-18), for electrification of 18000 Ag Wells, 200000 no. release of rural domestic connections and electrification of Harijan Basties, etc.

**1.7 Head:- Rajiv Gandhi Gramin Vidyutikaran Yojna XIIth Plan:-**

A special provision of Rs 125.00 Crores has also been kept for Rajiv Gandhi Gramin Vidyutikaran Yojna for electrification of de-electrified & un-electrified villages, intensive electrification of villages & electrification of BPL connection etc. Out of the total provision under Rajiv Gandhi Gramin Vidyutikaran Yojna, XIIth Plan there will be a grant of 90% from GoI and 10% is as loan amount.

**1.8 Head:-Re-structured APDRP Scheme under XIIth Plan:-**

MoP launched re-structured APDRP scheme for the towns having population more-than 30000. Under this schemes IT related works and strengthing of electrical system will be proposed. For establishing the basic infrastructure for IT enabling works, the loan for part A of R-APDRP Scheme for shall be converted into grant once the establishment of the required basic infrastructure of IT is achieved & verified by an independent agency.

For strengthening of electrical system upto 50% of loan amount given by MOP may be converted into grant if the % AT&C losses will be came down upto 15%.

A provision of Rs.4.00 Crores for Part A & Rs.41.00 Crores for Part-B has been proposed during the year 2017-18.

## **1.9 Head:-Feeder Improvement Programme(LRP) :-**

To achieve target set for AT&C loss reduction, Rs. 205.00 Crores has been kept for Loss Reduction Programme. Existing Feeder Improvement Programme has been merged into Loss Reduction Programme. Main features of this programme are as under-

1. Checking of Power factor on the feeder and action plan for the improvement of power factor.
2. Checking of maximum current on the feeder and action plan for suitable augmentation looking to the current carrying capacity of the conductor.
3. Checking of end point voltage regulation of the feeder and suitable augmentation strategy of improvement of VR.
4. Replacement of welding broken/defective meter/ 3 phase agriculture transformers by healthy transformer. Healthy transformers will have MCCB of suitable size, LPR meters with connections intact, capacitors and complete body welding of the cubical.
5. Replacement of single phase transformers without MCCB/welding broken by healthy single phase transformer which will have MCCB and robust welding body of the cubical.
6. Installation of meters in the single phase transformers for self-finance schemes.
7. Installation of meters in the single phase transformers being used for Janta Jal Yojna.
8. Removal of GO & DO on the primary side of the 3 phase transformers and jumpering with the insulated cables from line direct to 11 KV bushing.
9. Putting m-seal at the 11 KV busing on the open terminal connection with the jumpers.
10. Installation of GO switches at suitable locations on the 11 KV feeders for isolation purposes to avoid shut down of entire 11 KV feeder at a time.
11. Earthing of single phase transformers.
12. Installation of single phase transformers on the pole height.
13. Repair of cable/cuts on the AB cables or replacement of the cable where it has become obsolete.
14. Putting m-seal on the connection points of service line and the ariel bunch cable.
15. Tightening of AB cable wherever necessary.
16. Tightening of loose service line wherever necessary.
17. Replacement of service line by armoured cable.
18. Replacement of burnt/defective meters of other than Ag. Category.
19. Assessment of genuine load on the single phase transformers for augmentation of the capacity either by replacing it with higher capacity or by installation of additional transformer.
20. Release of genuine single phase domestic connection or the connections pending on the feeder in respect of Abadi area and Dhanies.
21. Release of service line connections through piercing connectors and to make it as practice.
22. Any other action as may be suggested by Feeder Managers for improving of the feeder and reduction of losses.
23. For updation of connection load details of Ag. Consumers, load survey/checking of load must be done.
24. If domestic load is significantly higher as compared to Ag. Load on the feeder, separation of single phase domestic load be done.

### **1.10 Head:- DeenDayal Upadhya Gram Jyoti Yojna :-**

A provision of Rs 190.00 Crores has been kept for execution of DeenDayal Upadhya Gram Jyoti Yojna. Main features of this programme are as under-

- A. System strengthening & Augmentation
  1. Erection of new 33 & 11 KV GSS
  2. Erection of new 33 & 11 KV line
  3. Erection of new 33 & 11 KV Bay
  4. Capacity Augmentation of Power Transformer
- B. Feeder Separation
  1. Augmentation, reconductoring, replacement of Conductor of existing 11 KV line
  2. Erection of new 11 KV line & Bay
  3. Capacity Augmentation of existing 11/0.4 KV DTR
- C. SAGY (Sansad Adrash Gram Yojna)
  1. Electrification of Household covered in SAGY village.
  2. Street light erection in SAGY village.
  3. Renovation of Single phase DTR Earthing.
  4. Augmentation, reconductoring, replacement of bare conductor & cable in existing 11 KV & LT line.
- D. Connecting Un-connecting Household (HH)
  1. Electrification UE & PE (Un-electrified & Partial Electrified ) village & UE & PE Habitations.
  2. Providing free domestic connection to BPL HH & infrastructure development for APL Household.
  3. Erection of new Single phase and three phase 11 KV line & LT line.
  4. Erection of new single phase DTR & Three phase DTR.
  5. Capacity Augmentation of Single phase & three phase DTR
  6. Renovation of earthing of existing Single phase & three phase DTR
- E. Metering
  1. Consumer Metering
  2. Replacement of Stop/Defective Meters
  3. Shifting of Meters
  4. Feeder Metering

### **1.11 Head:-Integrated Power Development System:-**

A provision of Rs 100.00 Crores has been kept for execution of Integrated Power Development System.

Work Involve-Implementation of system improvement, strangling and Augmentation of sub transmission & Distribution network for bringing down AT & C losses and providing 24x7 power supply in urban areas including providing of solar panels on Govt. building and Metering of feeders/distribution transformers/consumers in the urban towns of twelve circle of Ajmer Discom under Integrated Power Development Scheme.