



F/No. PD(SPD)-73/2015-16
GOVERNMENT OF ARUNACHAL PRADESH
PLANNING DEPARTMENT
(STATE PLAN DIVISION)
A.P. CIVIL SECRETARIAT::ITANAGAR

Approval of the Planning Department is hereby conveyed for implementation of the project proposals/schemes proposed under the **Power Department's** Annual Development Agenda for the year 2016-17 subject to the following conditions:

- a) The Department shall strictly adhere to the instructions contained in the minutes of the State Development Council Meeting circulated earlier vide U.O. No. PD (SPD)-05/2016-17 dated 12th December, 2016.
- b) Finance Department has provided tentative budgetary support to the tune of **Rs. 20,417.21 lakh (Rupees Two hundred four crore seventeen lakh twenty one thousand)** only under Demand No. 34 Power Department under Plan for incurring expenditure of the ADA fund during 2016-17 vide U.O. No. BT-217 dated 24/02/17 (copy enclosed) with the Head of Account as shown below:-

Capital Section

			Rs. in Lakhs
1	H/A 4801-01-800-02-00-53	Major Works	2,275.00
2	H/A 4801-80-800-06-00-53	Major Works	4,000.00
3	H/A 4801-05-800-09-00-53	Major Works	250.00
4	H/A 4801-05-800-22-00-53	Major Works	170.97
5	H/A 4801-80-800-16-00-53	Major Works	4,085.19
6	H/A 4801-80-800-19-00-53	Major Works	2,136.05
7	H/A 4801-80-800-17-00-53	Major Works	5000.00
8	H/A 4801-80-800-14-00-53	Major Works	2500.00
Grant Total			20,417.21

All terms and conditions specified by the FD must be strictly adhered to.

- c) Finance Department has also accorded composite concurrence to an amount of **Rs.12917.21 lakh (Rs. 9057.02 lakh concurred by the Finance department + SIDF of allocation of Rs. 3860.19 lakh for which FD has already concurred vide Circular No. Fin [D]-17/91 Dated Itanagar, the 9th Feb. 2017)** only against SADA scheme 2016-17 vide U.O. No.FIN (D)-261 dated 27-02-2017(copy enclosed). All terms and conditions specified by the FD must be strictly adhered to.
- d) The concurrence is subject to non-duplication with any other scheme. Any deviation would be responsibilities of the Department. The department shall ensure non-duplicity of schemes/projects before implementation.
- e) The expenditure during CFY 2016-17 is restricted to **Rs. 12917.21 lakh (Rupees one hundred twenty nine crore seventeen lakh twenty one thousand)**, subject to the existence of Budgetary/SADA provision during this financial year under the concerned Head of Account and the department should obtain expenditure authorization as per prescribed formats by the Finance Department vide OM.No.FIN.BT-109/2006 (Pt) dated 16-01-2017.
- f) No re-appropriation will be allowed within different heads and even within sub-heads.
- g) Utilization of specific allocation namely, Centrally Sponsored Schemes and Negotiated loan etc. is subject to release of funds from Govt. of India and concerned financial institutions only.
- h) The allocation given against Development Activities' for specific projects is purely indicative in nature and this shall be utilized by the concerned Departments only after verifying the actual utility and viability of projects on ground for which the implementing department shall be solely responsible. Further, the amount which is actually required against any particular component should be used and the balance amount, if any, should be surrendered.
- i) The Project should be completed as per original scope and specifications and no revision of the estimate is entertained. There should be no time and cost over-run.
- j) The fund should be utilized within specified time and strictly for the purpose for which it is sanctioned. No diversion of fund is allowed.
- k) The concurrence is subject to non-duplication with any other scheme. Any deviation would be responsibilities of the Department. The department shall ensure non-duplicity of schemes/projects before implementation.
- l) Construction of works and procurement of materials shall be made as per GFR.

- m) Department shall deduct TDS of VAT contracts @ of 12.5% leviable on taxable turnover of the Works contract vide Ordinance No. TAX-64/2004/Pt dated 28th August 2009 or if opted by contractors as per new scheme of 4% on total turnover issued vide Notification No. tax-28/2002/Vol/-II dated 31/8/2009 of Department of Tax and excise.
- n) The department shall utilize 1% of the total contingency charge of 3% available for work contract for payment of water charges, power charge and land revenue and telephone bills under intimation to the Finance Department (Budget), Government of Arunachal Pradesh.
- o) All the codal formalities, the provisions and conditions prescribed in the GFR, DFPR, CPWD Manual etc. all the financial rules and regulations, the guidelines and directives issued by the govt. of India, Ministry of Finance, GoI, Administrative Ministry of GoI, CVC and Govt. of Arunachal Pradesh in this regard from time to time should be followed in the letter and spirit without fail which shall squarely be responsibility of the Department.
- p) The concurrence is also subject to the following of codal formalities and ensuring guidelines of State Government/Govt. of India which shall squarely be responsibility of the Department.
- q) Any payment to any persons shall be made with NOC from MD, Arunachal Pradesh Cooperative Apex bank Ltd.
- r) The execution of works/schemes/projects and procurement of items/materials, furniture etc. and erection/installation of tents, stage, lighting, sound system and purchase of stationary items, printing materials etc should be done strictly as per the provisions of GFR, DFPR, CPWD Manual etc. all the financial rules and regulations, the guidelines and directives issued by Govt. of India, Ministry of Finance, GoI/ Administrative Ministry of GoI, CVC and Govt. of Arunachal Pradesh in this regard from time to time. The process of tendering and competitive bidding should mandatory be followed and compiled with as envisaged in the GFR, DFPR, Financial rules and Regulations and the conditions, guidelines, Circulars and directives issued/ prescribed by govt. of India, CVC and Govt. of Arunachal Pradesh in this regard. All the conditions and Guidelines prescribed and specified by the Planning Department, Govt. of Arunachal Pradesh should be followed in letter and spirit without fail.
- s) All the conditions and guidelines prescribed and specified by the Ministry of DONER/NEC/Name of Administrative Ministry, Govt. of India [as the case may be] shall be followed in letter and spirit without fail.
- t) The expenditure is debatable under **Head of Account stipulated at Para (b) above.**
- u) All the conditions stipulated in the concurrence endorsement should invariably be incorporated in the individual sanction order itself.

2. A copy of the vetted ADA is enclosed herewith. The department shall submit 5 (Five) copies of final ADA and scanned copy duly authenticated to the Planning Department, 5 copies to the Finance Department and one copy each to the Hon'ble Chief Minister, Hon'ble Dy Chief Minister all the Hon'ble Ministers, Hon'ble Speaker, Hon'ble Deputy Speaker, Hon'ble Parliamentary Secretaries, all the Hon'ble MLAs, all Deputy Commissioners, all the District Planning Officers and one copy to the Deputy Registrar, Arunachal Pradesh Information Commission (as part of voluntary disclosure)

3. This issues with the approval of Competent Authority.

Encl : As stated.

Sd/-

(Dr. Joram Beda), IAS
Secretary (Planning)

1. The Commissioner (Power), Govt. of Arunachal Pradesh, Itanagar.

2. The Chief Engineer (Power) – WEZ/CEZ/EEZ, Govt. of Arunachal Pradesh, Itanagar.

U.O. No. PD (SPD)-73/2015-16


Dated, the 27th February, 2017

Memo No. PD(SP D)-73/2015-16

Dated, the 27th February, 2017

Copy for information to:-

1. PPS to the Hon'ble Chief Minister, Govt. of Arunachal Pradesh, Itanagar
2. PS to Hon'ble Deputy Chief Minister, Govt. of Arunachal Pradesh, Itanagar.
3. PS to Hon'ble Parliamentary Secretary (Planning), Govt. of Arunachal Pradesh, Itanagar.
4. PS to Chief Secretary, Govt. of Arunachal Pradesh, Itanagar.
5. The Commissioner (Finance), Govt. of Arunachal Pradesh, Itanagar.
6. The Deputy Registrar, Arunachal Pradesh Information Commission, Itanagar


(Pallab Dey)
Director (State Plan)
Itanagar



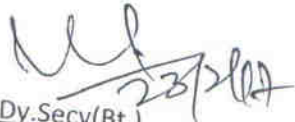
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Tentative Budgetary support to the tune of ₹20417.21 lakh (Rupees two hundred four crore seventeen lakh twenty one thousand) only is provided in ADA by Planning Deptt. during CFY i.e. 2016-17 under D/No. 34 Power Deptt. with the following Head of Account as shown below:-



CAPITAL SECTION

H/A 4801-01-800-02-00-53 Major Works	₹ 2275.00 lakh
H/A 4801-80-800-06-00-53 Major Works	₹ 4000.00 lakh
H/A 4801-05-800-09-00-53 Major Works	₹ 250.00 lakh
H/A 4801-05-800-22-00-53 Major Works	₹ 170.97 lakh
H/A 4801-80-800-16-00-53 Major Works	₹ 4085.19 lakh
H/A 4801-80-800-19-00-53 Major Works	₹ 2136.05 lakh
H/A 4801-80-800-17-00-53 Major Works	₹ 5000.00 lakh
H/A 4801-80-800-14-00-53 Major Works	₹ 2500.00 lakh
Total:-	₹20417.21 lakh

The fund is released subject to the condition that all codal formalities and all the conditions laid down in GFR, DFPR etc, Financial Rules and Regulations, the circulars, Directions and Guidelines etc. issued by the Govt. of India, CVC and Govt. of Arunachal from time to time in this regard are fulfilled in letter and spirit. Further Deptt. may be advised to incorporate the amount in Plan RE 2016-17.


Dy. Secy (Bt.)

Dy. Secy (Fin. D)

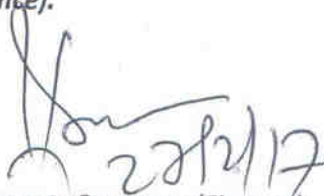

Dy. No. 217 Date 24/2/17
Finance (D) Branch, AP Sect, Itanagar


Continued from PP-6/N:

Finance Department concurs to an amount of ₹ 9057.02 lakh (Rupees Ninety crore fifty seven lakh two thousand) only being the Overall Composite Fund Allocation under SADA: 2016-17 in respect of Power Department [excluding SIDF & CSSs]. The concurrence is subject to actual availability of fund and observance of all codal formalities and ensuring guidelines for the State Government/GOI which shall squarely be the responsibility of the Department and also following of conditions stipulated below be strictly adhered to:-

- 1) The expenditure by the Department during 2016-17 is restricted to ₹ 9057.02 lakh (Rupees Ninety crore fifty seven lakh two thousand) only subject to the existence of Budgetary/SADA provision during financial year under the concerned Head of Account.
- 2) The Department should obtain LOC from FD (Budget Branch) as per prescribed format as per Govt. Order No. FIN/BT-109/2006(Pt) Dated: 16/1/2017.
- 3) The project should be completed as per original scope and specifications and no revision of the estimate is entertained.
- 4) The fund should be utilized within specified time and strictly for the purpose for which it is sanctioned. No diversion of fund is allowed. There should be no time and cost overrun.
- 5) The concurrence is subject to non-duplication with any other scheme. Any deviation would be responsibilities of the Department.
- 6) Construction of works and procurement of materials shall be made as per GFR.
- 7) The deptt shall deduct TDS of VAT on work contracts @ 12.50% leviable on taxable turnover of the work contract vide Ordinance No. TAX-64/2004/Pt Dtd. 28/8/2009 OR if opted by contractors, as per new scheme of 4% on total turnover issued vide Notification No. TAX-28/2002/Vol-II Dtd. 31/8/2009 of department of Tax & Excise.
- 8) All codal formalities, all the provisions and conditions prescribed in GFR, DFPR, CPWD Manual etc, all the financial Rules and regulations, the guidelines and directives issued by the Govt of India, Ministry of Finance, GOI, Administrative Ministry of GOI, CVC and Govt of Arunachal Pradesh in this regard from time to time should be followed in letter and spirit without fail.
- 9) This concurrence is also subject to the following of codal formalities and ensuring guidelines of State Government/GOI which shall squarely be responsibility of the department.
- 10) The execution of works/schemes/projects and procurement of items/materials, furnitures, etc and erection/installation of tents, stage, lightening, sound system and purchase of stationary items, printing materials, etc should be done strictly as per the provision of GFR, DFPR, CPWD Manual etc, all the financial Rules and regulations, the guidelines and directives issued by the Govt of India, Ministry of Finance, GOI/Administrative Ministry of GOI, CVC and Govt of Arunachal Pradesh in this regard from time to time. The process of tendering and competitive bidding should mandatory be followed and complied with as envisaged in the GFR, DFPR, CPWD Manual etc, all the financial Rules and regulations, the guidelines and directives issued by the Govt of India, Ministry of Finance, GOI/Administrative Ministry of GOI, CVC and Govt of Arunachal Pradesh in this regard.
- 11) All the conditions and guidelines prescribed by the Planning Department, Govt of Arunachal Pradesh should be followed in letter & spirit without fail.
- 12) All the conditions and guidelines prescribed and specified by Ministry of DONER/NEC/(Name of Administrative Ministry, GOI (as the case may be) shall be followed in letter and spirit without fail.
- 13) The expenditure is debitible under Major Head of Account: 4810, Demand No-34[Plan].
- 14) All the conditions stipulated in the concurrence endorsement should invariably be incorporated in the sanction order itself.

This issues with the approval of Hon'ble Minister (Finance).

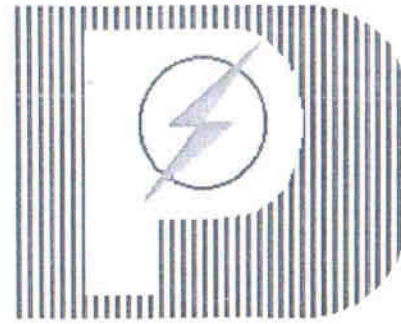

Deputy Secretary (Finance).

Secretary (Planning).

U.O. No. 217 Date 27/12/17
Finance (P) Branch, AP S
Mr. Linggi, Ro
27/12/17



ANNUAL DEVELOPMENT AGENDA 2016-17



GOVERNMENT OF ARUNACHAL PRADESH

DEPARTMENT OF POWER

ARUNACHAL PRADESH

Joint Director (State Plan)
Department of Planning
Govt. of Arunachal Pradesh
Itanagar

Joint Director (State Plan)
Department of Planning
Govt. of Arunachal Pradesh
Itanagar



23/1/17
Chief Engineer, Planning & Monitoring Zone,
DGP, Vohra Bazar, Itanagar



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Joint Director (State Plan)
Department of Planning
Govt. of Arunachal Pradesh
Itanagar


Chief Engineer (Power),
Transmission, Planning & Monitoring Zone,
DOP, Vidyut Bhawan, Itanagar.



ANNUAL DEVELOPMENT AGENDA 2016-17.

The Department of Power, being the Nodal Department of Power & Energy is responsible for all activities of electrical transmission, distribution and other associated matters which are not entrusted to Department of Hydro Power Development and APEDA. The developmental activities of the department are mainly centered around creation of new assets and building infrastructure for Power Transmission and Distribution systems. Moreover, the department is shouldering the responsibilities of maintaining a huge volume of assets of Transmission and Distribution systems and operating them to provide regular electricity supplies to the consumers across the state. Department of Power has built up infrastructure worth Rs. 3845 Crores as on 31st March 2015 under various projects of centrally sponsored schemes and other state sponsored programmes. The major parameters are:

a. EHV Grid Transmission Lines	: 349 KMs	}	31809 KMs of T&D Lines.
b. 33 KV Sub-Transmission Lines	: 4706 KMs		
c. 11 KV Distribution Lines	: 15587 KMs		
d. LT Distributive Lines	: 11,167 KMs		
e. Grid Sub-Stations	: 7 Nos	}	6,211 Nos. of Sub-Stations.
f. Power Sub-Stations	: 106 Nos		
g. DT Sub-Stations	: 6098 Nos.		


Joint Director (State Plan)
Department of Planning
Govt. of Arunachal Pradesh
Itanagar


Chief Engineer (T & D)
Transmission, Planning & Monitoring Zone,
DOP, Vidyut Bhawan, Itanagar.



The department of power is engaging 6172 numbers of Casual Workers and Work-Charged employees of 2793 numbers as on 31st March 2016. Operation and maintenance of the assets shown above are managed with this work force of 8965 Casual and W/C employees.

Due to expansion of Distribution lines and electrification of more and more villages the department has to engage more manpower to man those new assets/villages electrified.

Moreover, there has been increase in the number of electrical accidents in the recent past for which the mandatory establishment of an Electrical Inspectorate in the state is required.

Therefore, it has become necessary for the department to create new posts during 2016-17 as under:-

a) For Electrical Inspectorate (Regular)	-	17 Posts
b) Other Regular Staffs	-	86 Posts
c) W/C Staffs	-	221 Posts
d) Casual Staffs	-	393 Posts
Total Posts :-		717 Posts

An amount of Rs. 10.83 Cr. will be proposed under Non – Plan during the year for these new creations (Details at Table. A).

(B) ROADMAP OF SADA 2016-17:-

The state Govt. has considered power sector as one of the priority areas of the state as per the budget of 2016-17. Budget provision has been raised to a comfortable level for the first time in the history of DoP. The Department has accordingly prepared a comprehensive Road Map for ADA 2016-17 and way forward.

1) **Major infrastructural developmental activities** in Arunachal Pradesh requires huge investment and therefore such projects are taken up either under centrally sponsored schemes or central schemes.

Joint Director (State Plan)
Department of Planning
Govt. of Arunachal Pradesh
ii Itanagar

23/1/17
Transmission, Planning & Marketing Zone,
DOP, V.Syat Bhausa, Itanagar.

TABLE A. MANPOWER REQUIREMENT DETAILS

Sl. No.	Name of Post	Normal requirement (in Nos.)	Sanctioned strength/redistribution of posts	Additional posts required	Gross pay/person/Month (in Rs.)	Pay per month	Annual financial requirement (in Rs.)	Remarks
A	Casual Labourers (CL)							
	CL	6499	6148	351	5000.00	1755000.00	21060000.00	
	TPMZ	77	24	42	5000.00	210000.00	2520000.00	
B	Work Charged Staff (WC)							
	WC	2961	2786	175	15000.00	2625000.00	31500000.00	
	TPMZ	257	7	46	15000.00	690000.00	8280000.00	
C	Regular Staffs							
1	Chief Electrical Inspector	1	0	1	130988.00	130988.00	1571856.00	
2	Senior Electrical Inspector	1	0	1	129500.00	129500.00	1554000.00	
3	Electrical Inspector	2	0	2	70771.00	141542.00	1698504.00	
4	Assistant Electrical Inspector	4	0	4	68815.00	275260.00	3303120.00	
5	JE	258	236	22	31965.00	703230.00	8438760.00	
6	Chief Estimator	1	0	1	76838.00	76838.00	922056.00	
7	DM-I	6	6	0	0.00	0.00	0.00	
8	DM-II	29	22	7	31965.00	223755.00	2685060.00	
9	DM-III	33	31	2	27278.00	54556.00	654672.00	
10	ADO	2	1	1	35343.00	35343.00	424116.00	
11	Superintendent	16	10	6	39937.00	239622.00	2875464.00	
12	Assistant	50	34	16	31965.00	511440.00	6137280.00	
13	UDC	128	120	8	27278.00	218224.00	2618688.00	
14	LDC	172	170	2	24103.00	48206.00	578472.00	
15	PEON	185	185	0	0.00	0.00	0.00	
16	PS	4	2	2	49140.00	98280.00	1179360.00	
17	SPA	10	6	4	31965.00	127860.00	1534320.00	
18	PA	32	25	7	27278.00	190946.00	2291352.00	
19	DRIVER	18	15	3	31144.00	93432.00	1121184.00	
20	DA	23	9	14	31965.00	447510.00	5370120.00	
	Sub Total of A	975	872	103		3746532.00	44958384.00	
	Grand Total	10769	9837	717		9026532.00	108318384.00	



Joint Director (State Plan)
Department of Planning
Govt. of Arunachal Pradesh
Itanagar

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23/11
Transcription, Planning & Monitoring Zone,
DOP, Itanagar, Itanagar



COMPREHENSIVE SCHEME FOR TRANSMISSION AND SUB-TRANSMISSION SYSTEMS in Arunachal Pradesh has been sanctioned by GOI as a central project for Rs. 3200 crores in the year 2014. This scheme is being implemented by PGCIL. The development of an 132 KV State Grid linking all the districts of Arunachal Pradesh for providing reliable and quality power supply to the consumers of the states is the main scope of the Project (Grid map may be seen in Annexure- A). In order to make a seamless connection between the proposed State Grid and the vast Distribution Networks, the Sub-Transmission linkages at 33kV, required substations are proposed as composite parts of the comprehensive scheme. The salient features of the comprehensive scheme are:-

Sl No.	Particulars	Kms/Locations
1	132 KV Lines (33 Nos of line segments)	1917 Kms.
2	132/33 KV S/S (529 MVA)	24 locations.
3	33 KV line (56 line segments)	1923 kms.
4	33/11 KV S/S (Total 420 MVA)	70 locations.

This project is being funded by Ministry of Power, GOI on 100% basis to PGCIL. On completion of this project the entire assets will be transferred to DoP as per the terms of the MoU signed with them.

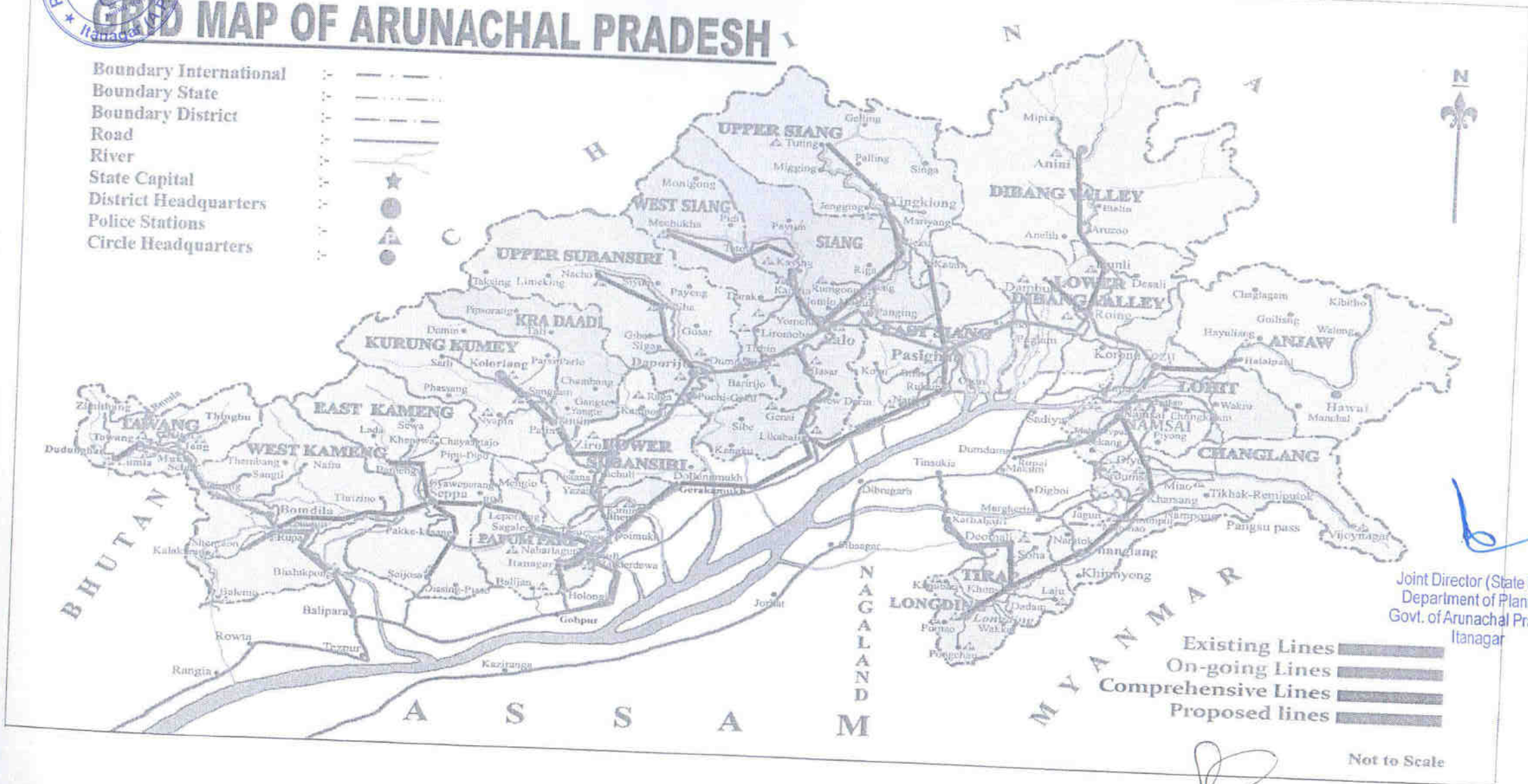

Joint Director (State Plan)
Department of Planning
Govt. of Arunachal Pradesh
Itanagar


Chief Engineer (Power),
Transmission, Electrical Engineering Zone,
DOP, Itanagar, Arunachal Pradesh



GRID MAP OF ARUNACHAL PRADESH

- Boundary International
- Boundary State
- Boundary District
- Road
- River
- State Capital
- District Headquarters
- Police Stations
- Circle Headquarters



Joint Director (State Plan)
 Department of Planning
 Govt. of Arunachal Pradesh
 Itanagar

- Existing Lines
- On-going Lines
- Comprehensive Lines
- Proposed lines

Not to Scale

[Signature]
 Chief Engineer
 23/1/17
 Transmission, Planning & Control Zone,
 DOP, Vidyal Bhawan, Itanagar.



RURAL ELECTRIFICATION WORKS are being carried out under a centrally sponsored scheme RGGVY, now renamed as DDUGJY [by state Power Department] with funding ratio of 85% grant from Government of India and 15% as state matching share. The status of RGGVY scheme may be seen in Table-B. Under DDUGJY, the Power Department has to electrify 478 villages by extending distribution lines to these villages through Grid mode electrification. 1058 villages, which are located in the remote far-flung areas of the state, have been considered for electrification by providing solar PV systems on off-grid mode by APEDA.

Table.B:- Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY)

a) PHYSICAL STATUS

Sl. No.	Items of Work	Target	Achievement	% of Progress
1	Un- electrified Villages	2088 Nos.	2088 Nos.	100 %
2	Electrified Villages	1306 Nos.	1306 Nos.	100 %
3	BPL HH Connections	39121 Nos.	39121 Nos.	100 %
4	33/11 KV Sub-Station	22 Nos.	22 Nos.	100 %

b) FINANCIAL STATUS

Sl. No.	Particulars	Sanctioned Cost	Fund received	Balance to be received	% of release	Expenditure	Balance w. r. t release (in crore)
1	Grant	921. 62	858. 58	63. 04	93%	921. 34	40. 23
2	State Share	104. 55	102. 99	1. 56	99%		
3	Total	1, 026. 18	961. 57	64. 60	94%		

Joint Director (State Plan)
Department of Planning
Govt. of Arunachal Pradesh
Itanagar

Chief Executive Officer
Transmission, Planning Zone,
DOP, Itanagar, Itanagar
23/1/17




INTEGRATED POWER DEVELOPMENT SCHEME (IPDS) has been taken up by the state as one of the centrally sponsored schemes with the objective to reduce AT & C Loses in the distribution sector. The details of the projects undertaken are as

- | | |
|--------------------------|---|
| i. Name of Scheme | :- IPDS in Arunachal Pradesh (Sanctioned by Power Finance Corporation Ltd. GoI) |
| ii. No. of towns covered | :- 9 (Nine) |
| iii. Name of Towns | :- Itanagar, Naharlagun, Ziro, Daporijo, Aalo, Pasighat, Tezu, Namsai and Seppa |
| iv. Sanctioned Amount | :- Rs. 150. 10 Crores. |
| v. Govt. of India Grant | :- Rs. 127. 59 Crores. |
| vi. State Share | :- 22. 51 Crores. |
| vii. Funding pattern | :- 85: 15 Crores |
| viii. PMA cost | :- 0. 75 crores. |
| ix. Sanction No. | :- 02: 10: IPDS: Ar-PED/Vol./ 36629, Dtd. 02/03/2016. |

d) NLCPR and NEC: Infrastructural requirements of the state are being taken up under NLCPR and NEC on the basis of 90:10 funding ratio. The details of both NLCPR & NEC Scheme are given at Page No 15 to 17. However, Planning Department has not earmark statematching fund in the ADA 2016 – 17 allocation. Rs. 75.00 crore has been earmarked for state share of IPDS & DDUGJY schemes. For this current financial year, with the allocation of budget to the Department, the Department has been able to earmark some infrastructure projects under ADA as new schemes. The priority areas in the infrastructure sector are mainly on such schemes involving Maintenance of Assets, extension of Transmission and Distribution systems to provide access to electricity to the growing new consumers, providing residential buildings around the colonies of Power Sub-Stations and providing connectivity to other upcoming and ongoing Hydro Electric projects. The details are available at Pages 5 to 9.



Joint Director (State Plan)
Department of Planning
Govt. of Arunachal Pradesh
Itanagar


23/1
Transmission
D. P. Singh

II) **Maintenance of Assets:** Providing reliable and quality electricity to the masses is the sole purpose & ultimate objectives of the Department and to achieve these, assured, and regular funding is to be made. Operation, maintenance and constant technology and capacity up-gradations are committed and unavoidable liabilities to the Government. The Department of Power requires about Rs. 385 Crores for operation and maintenance of the huge assets standing in the state (details shown at Table C). In Arunachal Pradesh the operational cost is being funded separately from Revenue Head but the cost of spares, consumables and outsourced specialized services are to be managed within the capital allocations owing to shortage of fund in Revenue Head. An amount of Rs. 43.00 Crores is earmarked this year under this head.

- i) **Petty and Short-Term General Maintenance:** An amount of Rs 10.00 Crores shall be earmarked and re-distributed Division-wise on pro rata basis on value of Assets for maintenance of day to day petty and short- term expenses by the respective zones.
- ii) **Medium Term General Maintenance:** An amount of Rs 10.00 Crores is earmarked Zone-wise pre-distributed on pro rata basis on value of assets which shall be released by the respective Chief Engineers on the basis of importance and over all priorities.
- iii) **Annual Maintenance Contracts / Preventive maintenance / Special repairs of Power Sub-Stations:** All Extra High Voltage Grid Sub-Stations and major Power Sub-Stations are proposed to be brought under Annual Maintenance Contracts for intensive care to minimize and nullify unscheduled breakdowns within the Sub-Stations itself. It is proposed that professional engineers specialized in the job are engaged through the AMC by inviting tenders with provisions of strict quality assurance & schematic schedule of activities built therein. The department proposes to earmark assured budget for continuous funding w. e. f this current financial year. Since all the existing Grid & Power Sub-Stations request special repairs before the AMC is awarded, the department proposes to dovetail special repair schemes for each of the power with the AMC schemes in this year. Special repair of Power Sub-Stations becomes mandatory before an award of AMC is made, it is essentially required under the provision of the AMC that the Sub- Stations placed under AMC needs to be healthy and

Joint Director (State Plan)
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operational without major defects therein. (details may be seen at Page No. 10-11). An amount of Rs 23.00 Crores has been proposed for



Maintenance Contracts / Preventive maintenance / Special repairs which will include cost of spares and outsourcing service costs.

Table.C. Assets Detail

ABSTRACT OF MAJOR ASSETS												
											(Rs. in Crore)	
	Major items	Unit	TPMZ		WEZ		CEZ		EEZ		Total	
			Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount
A	Grid Sub Stations	Nos.	7	139							7	138.75
B	Trans. Lines EHV	Kms.	349	554							349	553.54
C	33 KV Line	Kms.			1659	174.85	1932	189.51	1115	107.16	4706	471.51
D	11 KV Line	Kms.			4548	330.35	6736	441.31	4303	303.90	15587	1075.57
E	LT Line	Kms.			3210	240.60	4019	298.62	3938	239.70	11167	768.92
F	Dist. Power Sub-Station (33/11 KV)	Nos.			40	46.05	37	117.02	29	16.19	106	179.26
G	Dist. Transfrmrs (11/0.4 KV)	Nos.	3	0.18	2076	51.83	2172	50.84	1847	49.33	6098	152.17
H	Service Connection :											
	a) Consumers with Meters	Nos.			28673	5.38	31890	10.36	54146	10.19	114709	25.93
	b) Consumers without Meters	Nos.			35468	1.94	26836	5.38	24301	2.71	86605	10.03
I	DG Sets	KW	463	0.64	10744	9.39	3168	4.93	6395	6.46	20770	21.43
J	Vehicles	Nos.	19	1.77	150	10.25	96	6.83	78	4.33	343	23.17
K	Miscellaneous and Other T&D Items			7.88		88.37		288.52		40.32		425.10
Total :-				702.76		959.02		1413.32		770.29		3845.38

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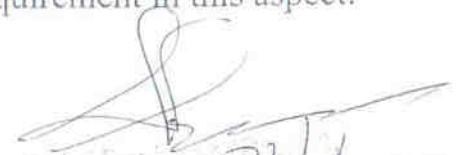
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2013-14

The Department proposes to adopt the following strategy for Maintenance of Assets:

- iv) **Colony development** could not be provided adequate funding since many years. Many Power Sub-Stations constructed under various heads and maintenance of these assets are facing serious accommodation problems. Therefore, the staffs responsible for operation and maintenance of these assets are facing serious accommodation problems. With a view to improve the efficiency of departments' human resources, an amount of Rs 13.43 Crores is earmarked for colony development of the department (details may be seen at pages 2, 3, 5, 6, 8 & 9).
- v) **Grid Connectivity especially with the generating Stations** is an important and mandatory technical requirement for optimum operation of available generation potential. The state Hydro Power Development Department and other generation agencies are constructing their Power projects at different locations and providing minimum transmission infrastructure to enable them to access the grid is one of the important dynamics of Power development. The Department of Power, specially the State Transmission Utility (STU) is constantly involved in the process of facilitating grid connectivity. An amount of Rs 2.75 Crores is earmarked to meet the requirement in this aspect.



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SUMMARY of the fund allocation for 2016-17 as per the ROADMAP proposed by DoP stands as under:

➤ GENERAL MAINTENANCE (ASSURED FUNDING FOR ASSET MAINTENANCE)	:	Rs. 20.00 Crores
➤ SPECIAL MAINTENANCE (MAINTENANCE CONTRACTS / PREVENTIVE MAINTENANCE / SPECIAL REPAIRS FOR ALL POWER AND GRID SUB-STATIONS)	:	Rs. 23.00 Crores
➤ CONNECTIVITY WITH HEP AND STATE GRID	:	Rs. 2.75 Crores
➤ COLONY DEVELOPMENT FOR POWER SUB-STATION	:	Rs. 13.43 Crores
➤ EXTENSION AND CAPACITY AUGMENTATION OF EXISTING T&D SYSTEMS TO MEET DEMANDS OF GROWING CONSUMERS	:	Rs. 31.39 Crores
➤ SIDF	:	Rs. 38.60 Crores
➤ DDUGJY & IPDS	:	Rs. 75.00 Crores

Grand Total : Rs. 204.17 Crores

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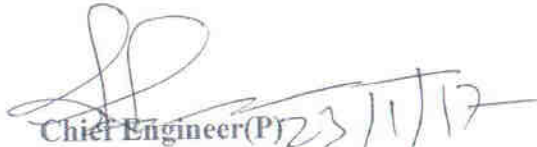
The allocation of fund during 2016 – 17 as per the prescribed categories of heads by Planning Department are summarized here under –

Sl.	Head of Development	Amount (in crores)
1	Developmental Projects / Schemes	
a	On-going Schemes	16.01
b	New Schemes	31.56
c	Maintenance of Assets	20.00
d	AMC / Preventive / Special repairs	23.00
e	SIDF	38.60
2	Proposed State Share against Centrally sponsored schemes	
a	IPDS / DDUGJY	75.00
	Total :-	204.17




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Compiled, Presented & Published by Chief Engineer(P), TPMZ


 Chief Engineer(P) 23/1/17
 Transmission Planning & Monitoring Zone
 Department of Power, Vidyut Bhawan, Itanagar



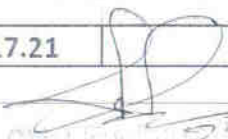
GN - STATEMENT
ANNUAL DEVELOPMENT AGENDA, 2016-17
(Summary Statements)
(Plan)

Name of the Department :-

Department of Power

Sl No.	Head of Development	Revised Outlay of Annual Plan 2015-16	Expenditure incurred during 2016-17 (AG Reconciled figure)	ADA, 2016-17	Remarks
1	2	3	4	5	6
A. Developmental projects/scheme					
a)	On-Going Schemes	1652.00	1649.43	1600.97	DP-I
b)	New Schemes	3717.51	3134.94	3156.05	DP-II
e)	Stipend				
d)	Grants in aids				
f)	Maintenance of Assets	2000.00	2000.00	4300.00	
c)	Others (Maintenance expenditure/ procurement of medicine / procurement of text book etc)				DP-V
Total : (A)		7369.51	6784.37	9057.02	
C. State Infrastructure Development Fund (SIDF)				3860.19	DP-VII
D. State Share against Centrally Sponsored Schemes					
i)	NLCPR	2193.53	2109.97	7500.00	CSS-I & II
ii)	NEC				
iii)	RGGVY				
Total : (D)					
Total :- (A+B+C+D+E)		9563.04	8894.34	20417.21	


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 Chief Engineer
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OUTLAY AND EXPENDITURE OF ON-GOING SCHEMES

(Rs. in lakh)

Sl. No	Name of works	Locations (District & Place execution)	Year of taking up	Estimated Cost		Achivement upto 2015-16		Projection / target 2016-17		Remarks/ Target date of completion
				Original	Revised	Financial	Physical	Financial	Physical	
1	2	3	4	5	6	7	8	9	10	11
C. Others (Please specify)										
TPMZ										
1	Construction of 220 KV line from Kathalguri - Deomali i/c Sub Station (Sh:- Construction of Staff Quarter, Auditorium etc. buildings for the staff of 220/132/33 KV Sub Station at Deomali).	Deomali		250.00				250.00		
Total of TPMZ :-				250.00	0.00	0.00		250.00		
WEZ										
1	C/o LT connection at Pagatara Jullang village under Capital Electrical Division, Itanagar.	Itanagar		80.00				80.00		
Total of WEZ :-				80.00	0.00	0.00		80.00		
CEZ										
1	Providing Power connectivity to Advance Landing Ground in Arunachal Pradesh at Pasighat. (EC Rs. 65.27 Lakhs)	Pasighat, East Siang District.	2015-16	65.27	-	0.00	100%	65.27	Work Completed	Liabilities to be cleared
2	Providing Power connectivity to Advance Landing Ground in Arunachal Pradesh at Mechuka. (EC Rs.51.57 Lakhs)	Mechuka, West Siang District.	2015-16	51.57	-	45.86	100%	5.71	Work Completed	Liabilities to be cleared
3	Providing Power connectivity to Advance Landing Ground in Arunachal Pradesh at Aalo. (EC Rs. 45.39 Lakhs)	Aalo, West Siang District.	2015-16	45.39		40.39	100%	5.00	Work Completed	Liabilities to be cleared

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(Rs. in lakh)

Sl. No	Name of works	Locations (District & Place execution)	Year of taking up	Estimated Cost		Achivement upto 2015-16		Projection / target 2016-17		Remarks/ Target date of completion
				Original	Revised	Financial	Physical	Financial	Physical	
1	2	3	4	5	6	7	8	9	10	11
4	Providing Power connectivity to Advance Landing Ground in Arunachal Pradesh at Ziro. (EC Rs. 45.13 Lakhs)	Ziro, Lower Subansiri District.	2015-16	45.13	-	40.14	100%	4.99	Work Completed	Liabilities to be cleared
5	Electrification of Kodum Circle office Head Quarter & Adjoining areas at Nikte. (EC Rs. 125.00 Lakh). (AA&ES accorded on 30/03/2016)	Kodum Administrative Circle, Nikte, West Siang District.	2015-16	125.00	-	0.00	100%	125.00	Work Completed	Liabilities to be cleared
6	Construction of Street Electrification at Mechuka Township (EC Rs. 200.00 Lakhs) (AA&ES accorded on 30/03/2016)	Mechuka, West Siang District.	2015-16	200.00	-	0.00	45%	200.00	100%	March' 2017
7	C/o office building (AE, JE & Staff qtrs.) for newly created Electrical Sub-Division at Tali under SPA 2014-15. (AA&ES accorded lately)	Tali, Kra-Daadi District	2015-16	100.00	-	0.00	63%	100.00	100%	March' 2017
8	C/o office building (AE, JE & Staff qtrs.) for newly created Electrical Sub-Division at Palin under SPA 2014-15. (AA&ES accorded lately)	Palin, Kra-Daadi District	2015-16	150.00	-	25.00	78%	125.00	100%	March' 2017
Total :-				782.36	0.00	151.39		630.97		

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Sl. No	Name of works	Locations (District & Place execution)	Year of taking up	Estimated Cost		Achivement upto 2015-16		Projection / target 2016-17		Remarks/ Target date of completion
				Original	Revised	Financial	Physical	Financial	Physical	
				5	6	7	8	9	10	
1	EEZ		4	5	6	7	8	9	10	11
1	Providing connectivity to Advance Landing Ground at Walong (AA&ES No. ES No-PWRS/EST-35/2015-16(EEZ)/1732-42 dtd. 31/03/2016)	Walong	2015-16	90.00	-	0.00	Nil	90.00	100%	31/03/2017
2	Protection work on T&D line of Chiklong MHS and repairing of distribution transformer including providing of new protective system under Khimiyang Electrical sub division. (AA&ES No.-PWRS/EST-61/2015-16(EEZ)/1461-71 dtd. 29/03/2016)	Chiklong (Changlang District)	2015-16	50.00	-	50.00	100%	-	-	Work completed
3	C/o three high mast lighting tower and power sub station at Deomali. (AA&ES No.-PWRS/EST-55/2015-16(EEZ)/1417-23 dtd. 29/03/2016)	Deomali	2015-16	50.00	-	0.00	NIL	50.00	100%	31/03/2017
4	Augmentation and renovation of 11KV HT line, LT line i.c sub station at Lazu. (AA&ES No.-PWRS/EST-55/2015-16(EEZ)/1619-29 dtd. 30/03/2016)	Lazu	2015-16	100.00	-	0.00	Nil	100.00	100%	31/03/2017
5	C/o HT/LT line and S/s under Deomali Elect. Sub Divn. (AA&ES No.- PWRS/EST-01/2015-16(EEZ)/240-52 dtd. 01.02.2016)	Deomali	2015-16	400.00	-	0.00	Nil	400.00	100%	31/03/2017
	Total :-			690.00	0.00	50.00		640.00		
	GRAND TOTAL(a+b+c+d)			1802.36	0	201.39		1600.97		

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DP - II

PROPOSAL FOR NEW SCHEMES / NEW SERVICES

(Rs. in lakh)

Sl. No	Name of works	Locations (District & Place execution)	Estimated Cost	Provision of fund during 2016-17	Physical Target for 2016-17	Target date of completion	*Remarks
1	2	3	4	5	6	7	8
C.	Others (Please specify)						
	Normal						
A	TPMZ						
1	Procurement of special tools, Test & Diagnostic equipments for EHV grid system in Arunachal Pradesh.	Itanagar	500.00	90.00	18.00%	31/03/2018	
2	Providing RR Masonary Protection wall and anti-erosion measures of tower footing to tower No. 204 of Ziro - Daporijo 132 KV Transmission line.	Ziro - Daporijo	40.00	32.00	80.00%	31/03/2017	
3	Special repairs of tower arms of tower No. 13 & 17 of Daporijo - Aalo 132 KV transmission line.	Ziro - Aalo	100.00	80.00	80.00%	31/03/2017	
4	Construction of colonies for Extra High Voltage Sub Stations in Arunachal Pradesh.						
a	Construction of Non - Residential office building and residential quarters under Transmission Division No. - III, Pasighat.	Pasighat	352.00	150.00	42.61%	31/03/2018	
5	Renovation of 1st floor of Vidyut Bhawan to accommodate officers and officials of TP&MZ including interior decoration and furnishing etc.	Itanagar	150.00	70.00	46.67%	31/03/2018	
6	Providing additional 250 kva 33/0.4 kv DT at 132/33 kv sub station at Chimpu for operation of SCADA.	Itanagar	20.00	16.00	80.00%	31/03/2017	
	Total of TPMZ :-		1162.00	438.00			
B	WEZ						
1	Pending liabilities against installation of LED and Metal Lights at Raj Bhawan Helipad.	Raj Bhawan	8.37	6.70	80%	31/03/2017	
2	System Improvement of Sagalee Township.		100.00	80.00	80%	31/03/2017	

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Sl. No	Name of works	Locations (District & Place execution)	Estimated Cost	Provision of fund during 2016-17	Physical Target for 2016-17	(Rs. in lakh)		*Remarks
						Target date of completion		
1	2	3	4	5	6	7	8	
3	3 Phase Power Supply to AP Charitable trust at Nirjuli.	Nirjuli	35.00	28.00	80%	31/03/2017		
4	Extension of 11 KV line from GSI feeder including Construction of 1 x 315 KVA and 1 x 100 KVA Sub Station at back side of Sangey Laden state sports school, Chimpu Itanagar.	Itanagar	70.00	56.00	80%	31/03/2017		
5	Upgradation of 315 KVA DTRs 11/0.433 to 630 KVA 11/0.433 at RKM Hospital, Itanagar.	Itanagar	28.00	22.40	80%	31/03/2017		
6	Providing High Mast Public Lighting System to the VIP Colony and Government Middle School, Jollang, Itanagar.	Itanagar	37.00	29.60	80%	31/03/2017		
7	Renovation of 33/11 KV & 11/0.4 KV Sub Stations including providing of LED street lighting in strategic location under Tawang Electrical Division.	Tawang	100.00	80.00	80%	31/03/2017		
8	Construction of RCC type 10 men staff quarter (Double Storied) at Bomdila under Bomdila Electrical Division.	Bomdila	70.00	56.00	80%	31/03/2017		
9	Construction of RCC type revenue collection centre cum J. E. office at Singchung under Bomdila Electrical Division.	Singchung	30.00	24.00	80%	31/03/2017		
10	Renovation and replacement of defective equipments of 33/11 KV, 2 x 3.15 MVA, Sub Station at Seppa under Seppa Electrical Division.	Seppa	20.00	16.00	80%	31/03/2017		
11	Repairing, testing and commissisoning of 33 KV line, 11 KV line, LT line and DTs in between Seppa and Pakkew under Bameng Electrical Sub Division.	Seppa - Pakkew	60.00	48.00	80%	31/03/2017		
12	Extension of 11 KV lines including installation of Distribution transformer in and around Monai under Seijosa Electrical Sub Division.	Monai	10.00	8.00	80%	31/03/2017		
13	Construction of SPT Bachelor Barrack for 2 persons at Chayangtajo under Chayangtajo Electrical Sub Division.	Chayangtajo	10.00	8.00	80%	31/03/2017		
Total of WEZ :-			578.37	462.70				

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Sl. No	Name of works	Locations (District & Place execution)	Estimated Cost	Provision of fund during 2016-17	Physical Target for 2016-17	(Rs. in lakh)		*Remarks
						Target date of completion		
1	2	3	4	5	6	7	8	
C	CEZ							
1	Construction of 11 kV HT OH line from Anggong Nallah MHS to Migging H.Q. (50 KM) under Pasighat Electrical Circle.	Upper Siang District.	500.00	100.00	20%	March'2018		To evacuate power generated by Anggong Nallah MHS.
2	Providing 33 kV line connectivity to the MHS for evacuation of Power and to enable Grid Mode operation under Aalo Electrical Circle (Subbung MHS, Boleng to Subbung)	Siang District.	250.00	75.00	30%	March'2018		To enable Grid Mode operation of Subbung MHS.
3	Providing 33 kV line connectivity to the MHS for evacuation of Power under Pasighat Electrical Circle (Anggong Nallah MHS)	Upper Siang District.	200.00	50.00	25%	March'2018		To enable evacuation of power to Pasighat.
4	Extension of HT line, maintenance of street lights and upgradation of transformers at Pangin township.	Pangin	100.00	80.00	80%	March' 2017		
5	Construction of 11 kV High Voltage Distribution System (HVDS) and Automation of existing Sub Transmission and distribution network under Likabali Electrical Sub Division including construction of security wall at Likabali Power House.	Likabali, Gensi & Kangku Circle in West Siang District.	500.00	200.00	40%	March' 2018		To arrest low voltage and improve voltage regulation as well as to reduce power theft in Distribution System.
6	Construction of Anchor and River crossing tower over River Siku-Siram under Mebo Administrative Circle, Mebo.	Mebo, East Siang District.	60.00	50.00	83%	March' 2018		To protect Distribution line from damage due to flood.
7	Construction of Anchor and River crossing tower over River Taro - Tamak under Mebo Administrative Circle, Mebo.	Mebo, East Siang District.	60.00	48.00	80%	March' 2017		To protect Distribution line from damage due to flood.

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Sl. No	Name of works	Locations (District & Place execution)	Estimated Cost	Provision of fund during 2016-17	Physical Target for 2016-17	(Rs. in lakh)	
						Target date of completion	*Remarks
1	2	3	4	5	6	7	8
8	Development of Colonies for staffs & officers including Revenue Collection Centres in and around Power Sub-Stations and Distribution Centres under Ziro Electrical Circle, (ZED, KKED & DaED).	Lower Subansiri, Kurung Kumey & Upper Subansiri Districts.	1,000.00	120.00	12%	March' 2017	Due to non availability of residential quarters, staffs are facing lot of problem.
9	Development of Colonies for staffs & officers including Revenue Collection Centres in and around Power Sub-Stations and Distribution Centres under Aalo Electrical Circle, (AED, BaED & RuED).	Rumgong, Siang District.	4,000.00	120.00	3%	March' 2017	Due to non availability of residential quarters, staffs are facing lot of problem.
10	Development of Colonies for staffs & officers including Revenue Collection Centres in and around Power Sub-Stations and Distribution Centres under Pasighat Electrical Circle, (PED, YED).	Under Siang & East Siang District.	1,000.00	120.00	12%	March' 2017	Due to non availability of residential quarters, staffs are facing lot of problem.
11	Extension / Improvement of HT / LT lines i/c up-gradation of Power / Distribution transformers, replacement of corroded poles, providing of security fencing to all the Sub Stations and Construction of residential and Non Residential buildings under Rumgong Electrical Division.	Rumgong	300.00	50.28	17%	March' 2018	
12	Providing 1.6 MVA, 33/11 KV Transformer at Sangum Sub Station including special repair of the Sub Station.	Sangum	350.00	58.66	17%	March' 2018	
13	Construction of 11 KV HT line from Patum to Kambu village including all accessories under Kaying Electrical Sub Division (20 Kms).	Kambu	360.00	60.34	17%	March' 2018	

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Sl. No	Name of works	Locations (District & Place execution)	Estimated Cost	Provision of fund during 2016-17	Physical Target for 2016-17	Target date of completion	*Remarks
1	2	3	4	5	6	7	8
14	Providing of 25 KVA, 11/0.415 KV distribution transformer Sub Station including extension of LT lines at Gunjung area near Mori - Lorging Tinali.	Mori - Lorging	50.00	8.05	16%	March' 2018	
15	Construction of 2 x 1.6 MVA, 33/11 KV Sub Station at Bolung with control room and residential barracks.	Bolung	500.00	80.51	16%	March' 2018	
16	Re-alignment of 33 KV HT line from Yembung MHS to Pangin at Poglek - 2 Kms.	Pangin - Poglek	44.50	7.17	16%	March' 2018	
17	Construction of 2 x 2.5 MVA, 33/11 KV Sub Station at Patum LILO on existing 33 KV line and 11 KV feeder lines.	Patum	600.00	96.61	16%	March' 2018	
18	Special repair of 33 KV 2nd Circuit line from Dura Nallah 132/33 KV Sub Station to Pasighat.	Dura Nallah -	57.96	14.49	25%	March' 2018	
	Total of CEZ :-		9932.46	1332.47			
D	EEZ						
1	C/o 11 KV line from Akobe to Etalin to evacuate power from Chini-Afra MHS for Etalin and Maliney Hq. (during 2016- 17 Rs. 100.00 lakh.)	Akobe	100.00	50.00	50%	31/03/2017	Joint Director (State Plan) Department of Planning Govt. of Arunachal Pradesh Itanagar
2	External electrification of newly constructed Mini Secretariat building at Namsai.	Namsai	135.00	108.00	80%	31/03/2017	
3	250 KVA DG set at Sunpura.	Sunpura	28.77	23.02	80%	31/03/2017	
4	Extension and Improvement of 11 KV HT, LT line and Sub Station in Munglang, Lanka and Embong village under Namsai District.	Namsai	138.70	113.70	82%	31/03/2017	
5	Extension of 3 Ph 4 W LT line at Waisali village under Lekang Circle.	Lekang	11.60	9.28	80%	31/03/2017	
6	Electrification of Kongmukham village under Lathao Circle.	Lathao	69.58	55.66	80%	31/03/2017	
7	Construction of residential and non residential colony under SE(E), Miao.	Miao	60.00	48.00	80%	31/03/2017	



							(Rs. in lakh)	
Sl. No	Name of works	Locations (District & Place execution)	Estimated Cost	Provision of fund during 2016-17	Physical Target for 2016-17	Target date of completion	*Remarks	
1	2	3	4	5	6	7	8	
8	Construction of T-IV building for AE(E) at Changlang.	Changlang	40.00	32.00	80%	31/03/2017		
9	Construction of residential and non residential colony for AE(E), Kanubari & Longding.	Kanubari & Longding	60.00	48.00	80%	31/03/2017		
10	Construction of residential and non residential colony under Electrical Division, Longding.	Longding	90.00	72.00	80%	31/03/2017		
11	Improvement & Extension of LT/HT line in various villages under Longding Circle.	Longding - Pangchau	150.00	120.00	80%	31/03/2017		
12	Improvement & Extension of LT/HT line in various villages under Kanubari Circle.	Kanubari	50.00	40.00	80%	31/03/2017		
13	Improvement & Extension of LT/HT line in various villages under Pumao Circle.	Pumao	50.00	40.00	80%	31/03/2017		
14	Extension of 11 KV line including providing of transformer at downtown colony at Pangchau.	Pangchau	25.00	20.00	80%	31/03/2017		
15	Construction of Tower structures for river crossing at Simari, Injonu, Diphu nallah and Balijan rivers.	Simari, Injonu, Diphu nallah & Balijan	179.03	143.22	80%	31/03/2017		
	Total of EEZ :-		1187.68	922.88				
	Total Normal :-		12860.51	3156.05				

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Specific Schemes with various component- 2016-17

DP - V

A. For Maintenance of Assets						(Rs. in lakh)
Sl. No	Name of scheme	Locations wherever applicable	Provision during 2015-16	Expenditure incurred during 2015-16	Provision for 2016-17	Remarks
1	2	3	4	5	6	7
A	General Maintenance of Assets (Transmission & Distribution) under Department of Power during 2016 - 17.					
1	TPMZ (Assets Value Rs. 70275.85 Lakhs)				366.40	
2	WEZ (Assets Value Rs. 95902.10 Lakhs)				498.40	
3	CEZ (Assets Value Rs. 141331.20 Lakhs)				735.20	
4	EEZ (Assets Value Rs. 77028.53 Lakhs)				400.00	
	Sub Total :-		2000.00	2000.00	2000.00	
5	Preventive & Regular maintenance of 132 kv & 220 kv grid sub stations under AMC (220/132/33 kv s/s at Deomali, 132/33 kv s/s at Aalo, 132/33 kv s/s at Pasighat, 132/33 kv s/s at Daporijo, 132/33 kv s/s at Chimpu, 132/33 kv s/s at Lekhi.					
	(i) 220/132/33 kV s/s at Deomali i/c Kathalguri bay					Joint Director (State Plan) Department of Planning Govt. of Arunachal Pradesh Itanagar
	(ii) 132/33 kV s/s at Pasighat					
	(iii) 132/33 kV s/s at Aalo					
	(iv) 132/33 kV s/s at Daporijo				500.00	
	(v) 132/33 kV s/s at Chimpu					
6	Annual Maintenance Contract / Preventive Maintenance / Special repairs under WEZ.					
	a) Special repair & maintenance of Electrical Installation under Naharlagun Electrical				500.00	
	b) Special repair & maintenance of Electrical Installation under Capital Electrical				200.00	



State Infrastructure Development Fund (SIDF)

(Rs. in lakh)

Sl. No.	Name of scheme	Locations (District & Place execution)	Provision for 2016-17	Remarks
	2	3	4	5
	WEZ			
1	Refurbishment of defective and obsolete Electrical gadgets including Air conditioner and Elevator (Lift) at Arunachal Bhawan, New Delhi.		117.00 ✓	
2	Augmentation, Improvement & Renovation of Transmission & Distribution system under Bhalukpong sub-division (0213130618)		400.00 ✓	
3	Energisation of enroute villages and educational institutes of chayang Tajo ADC HQ (0313130905)		26.69 ✓	
4	C/o Type-III AE (Electrical) quarter at chayang Tajo (0313130906)		30.00 ✓	
5	C/o 11kv line from Leporian of Papum pare District to Khodaso of East Kameng district (0313131218)		150.00 ✓	
6	System improvement in Seijosa ADC HQ, East kameng (0313131219)		56.00 ✓	
	Total of WEZ :-		779.69	
	CEZ			
1	Reconductoring of 33 kV line of Yazali Electrical Sub-Division under ZED.	Yazali, Lower Subansiri District.	150.00 ✓	<p>Joint Director (State Plan) Department of Planning Govt. of Arunachal Pradesh Itanagar</p>
2	Construction of 10 Units Toilets, Store House, Control Room, Boundary wall at Power Colony and Sub-Division office, Yazali.	Yazali, Lower Subansiri District.	75.00 ✓	
3	Construction of SPT Type-IV residential building for Executive Engineer (E) at Sangram under KKED.	Sangram, Kurung Kumey District.	50.00 ✓	
4	Extension and upgradation of Sub T&D system at Tirbin and Basar Electrical Sub-Division under Basar Electrical Division.	Tirbin & Basar Circle under West Siang District.	100.00 ✓	
5	Construction of RCC Bachelor Barrack for Electrical staff under Aalo Electrical Division. (S.H:- 3-Men Bachelor Barrack: 1 Unit)	Aalo, West Siang District.	35.00 ✓	
6	Providing of Transformer at Sibon-Siang colony, Mongka, Upper Saw mill (Tabi area), Mirsam, old education colony near cooperative Apex Bank.	Pasighat, East Siang District.	60.00 ✓	



Sl. No.	Name of scheme	Locations (District & Place execution)	Provision for 2016-17	Remarks
1.	2	3	4	5
7	Extension of 3-phase-4Wire LT OH line in and around Pasighat Township.	Pasighat, East Siang District.	75.50 ✓	
8	Providing of 200 kVA Diesel Generating Set at General Hospital, Pasighat:- 1 No.	Pasighat, East Siang District.	20.00 ✓	
9	Intensification & System Improvement of Power supply at Mebo.	Mebo, East Siang District.	100.00 ✓	
10	C/o improvement of electrical system in various-villages in Apatani Plateau (Sh:- Shifting of electric pole, erection of 2 Nos. High Mast Tower).		150.00 ✓	
Total of CEZ :-			815.50	
<i>Joint Director (State Plan) Department of Planning Govt. of Arunachal Pradesh Itanagar</i>				
EEZ				
1	Automisation of 11 kv feeder and LT distribution pannel including providing of distance fault locator in Roing Circle under Lower Dibang Valley. (SIDF Code No. 1213134302)	Roing	350.00 ✓	
2	Extension and improvement of HT/LT line and providing distribution transformer in and around Tezu Township. (SIDF Code No. 1313134401)	Tezu	300.00 ✓	
3	Construction of upgradation and system improvement of power supply at Namsai, Piyong and Lathao Circle. (SIDF Code No. 1913134708)	Namsai, Piyong and Lathao Circle.	100.00 ✓	
4	C/o 11 kv line and 500 kva s/s at Khonsa town and extension of LT line in Khonsa town. (SIDF Code No. 1613133503)	Khonsa	50.00 ✓	
5	Re-alignment of 11 kv HT line from Kanubari to Hahshe Rusa via Mopakhat. (SIDF Code No. 2013135811)	Kanubari	50.00 ✓ → 150.00	
6	Extension of HT /LT line to various villages under Kanubari sub division. (SIDF Code No. 2013135812)	Kanubari	50.00 ✓ → 50.00	
7	Replacement of corugated pole of HT / LT lines i/c upgradation of distribution transformer in various villages of Kanubari electrical sub division. (SIDF Code No. 2013135813)	Kanubari	50.00 ✓	
8	Installation of solar home lighting system for the rural house hold of Niausa and Pumao villages. (SIDF Code No. 2013135908)	Niausa and Pumao villages	155.00 ✓	
9	Installation of solar street lights in Longding. (SIDF Code No. 2013135909)	Longding	30.00 ✓	
10	C/o 11 kv HT line from Longpha village to Ngoitong village via Phangsel and new Ngoitong village i/c installation of distribution transformer and c/o LT line. (SIDF Code No. 1513135302)	Longpha village	150.00 ✓	

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Sl. No.	Name of scheme	Locations (District & Place execution)	Provision for 2016-17	Remarks
1	2	3	4	5
11	C/o new 11 kv HT line from coffee garden to Rillangkan village i/c c/o LT line and installation of distribution transformer (SIDF Code No. 1513135303)	Rillangkan village	70.00	
12	Infrastructure development and modification, extension of LT / HT line including sub station in Bordumsa - Diyun Circle, Changlang district, (SIDF Code No. 1513134902)	Bordumsa	300.00	
13	Providing and installation of 33 kv VCB at 9th Mile inlet point for Kharsang - Miao feeder. (SIDF Code No. 1513135001)	Miao	65.00	
14	Improvement of power transmission and distribution under Miao Electrical Sub Division. (SIDF Code No. 1513135002)	Miao	155.00	
15	Construction of 55 kv Bay at 9th mile for Jairampur feeder. (SIDF Code No. 1513135113)	Roing	60.00	
16	Renovation of 33 and 11 kv VCB and control pannel at Jairampur. (SIDF Code No. 1513135114)	Roing	30.00	
17	Improvement and extension of HT / LT lines with upgradation of transformer sub station under Khimiyang Circle. (SIDF Code No. 1513135208)	Khimiyang	100.00	
18	C/o new electrification (Dadam to Maktowa village) (SIDF Code No. 1613135607)	Dadam village	100.00	
	Total of EEZ :-		2265.00	
	Total SIDF :-		3860.19	




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Centrally Sponsored Schemes (Partially funded)

CSS-II

Sl. No	Name of CS Schemes	Details of schemes	Funding Pattern	Actual expdr. 2015-16			Central share			State share released			Remarks
				Central	State	Total	Fund released by GoI till date i.e., Dec, 2016.	Expected to be released for the remaining period	Total	Fund released by State Govt. till date i.e., Dec, 2016.	Requirement of State share for the remaining period	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
a	TPMZ												
1	Construction of 132 KV Double Circuit Transmission line from Hoj to Itanagar including 2 x 20 MVA Sub Station at Chimpu, Itanagar. (Proposed to be Re-revised to Rs. 6833.34 lakh) (NEC)	NEC	80:20			0.00	4345.00	110.00	4455.00	495.00		495.00	Rs. 1883.25 lakh Proposed dg 2016-17 for last mile funding to complete the project.
2	Development of State Load Despatch Centre at Itanagar and allied infrastructure for operation of SCADA with OFC network, Arunachal Pradesh - Phase - I [NLCPR: Retained 2014-15]	NLCPR	80:20			0.00			0.00			0.00	Rs. 100.00 lakh as state share for the project.
3	Reliable Communication & Data Acquisition System at 66 KV and 33 KV Sub Stations in Arunachal Pradesh (EC Rs. 5549.00 lakh) (PSDF)	PSDF	80:20			0.00			0.00			0.00	Rs. 100.00 lakh as state share for the project.
4	Construction of alternative 132 KV Tower line between Loc. No. 25 & 43 of Lekhi - Chimpu line to avoid repeated damage at flood prone route. (EC Rs. 1900.00 lakh) (NLCPR New 2016-17)	NLCPR	80:20			0.00			0.00			0.00	Rs. 100.00 lakh as state share for the project.
	Total of TPMZ :-			0.00	0.00	0.00	4345.00	110.00	4455.00	495.00	0.00	495.00	
b	WEZ												
1	Integrated Power Development scheme (IPDS) (15% for project+2 % PMA)	IPDS	85:15			0.00			0.00		2500.00	2500.00	

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DOP, Vijay Bhawan, Itanagar.



Sl. No.	Details of CS Schemes	Details of schemes	Funding Pattern	Actual expdr. 2015-16			Central share			State share released			Remarks
				Central	State	Total	Fund released by GoI till date i.e., Dec, 2016.	Expected to be released for the remaining period	Total	Fund released by State Govt. till date i.e., Dec, 2016.	Requirement of State share for the remaining period	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
2	Upgradation, Improvement, Renovation of Electrical installations in and around Kalaktang Township, West Kameng District (NEC)	NEC	80:20			0.00			0.00			0.00	Rs. 44.00 lakh proposed as state share for the project.
3	C/o 33kv express line from Dirang to Jang to facilitate reliable Power supply to Tawang district (NLCPR 2016-17)	NLCPR	80:20			0.00			0.00			0.00	Rs. 96.00 lakh proposed as state share for the project.
4	Renovation, modernization and improvement of T&D system i/c SS of Bhalukpong, Kalaktang & Dirang and their adjacent areas in West Kameng (NLCPR retained 2014-15)	NLCPR	80:20			0.00			0.00			0.00	Rs. 200.00 lakh proposed as state share for the project.
Total :-						0.00	0.00	0.00	0.00	0.00	2500.00	2500.00	
c CEZ													
1	RGVY / DDUGJY	DDUGJY									5000.00	5000.00	
Total :-						0.00	0.00	0.00	0.00	0.00	5000.00	5000.00	
d EEZ													
Proposed State Share against Centrally Sponsored schemes													
NLCPR													
1	C/o 33KV Line from Mebo to Dambuk for evacuation of central Sector Power, Lower Dibang Valley Dist., Arunachal Pradesh (Estt. Cost. - Rs. 652.83 lakhs)	NLCPR	90:10 (Central : State)	235.00	65.28	300.28	235.00	352.55	587.55	65.28	0.00	65.28	Work completed. Liabilities to be cleared
2	C/O 2 x 5 MVA Power Sub Station at Deopani near Roing and Providing High Voltage Distribution System in Roing township under Lower Dibang Valley District, A.P. (Estt. Cost. - Rs. 1403.78 lakhs)	NLCPR	90:10 (Central : State)	903.30	50.54	953.84	903.30	360.10	1263.40	50.54		50.54	Rs. 89.84 Lkh proposed as state share for Work scheduled for completion by December, 2016



Sl. No	Name of Schemes	Details of schemes	Funding Pattern	Actual expdr. 2015-16			Central share			State share released			Remarks
				Central	State	Total	Fund released by Govt till date i.e., Dec, 2016.	Expected to be released for the remaining period	Total	Fund released by State Govt. till date i.e., Dec, 2016.	Requirement of State share for the remaining period	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
3	Implement of High voltage Distribution system in Mahadevpur & Piyong Circle (Estt. Cost. - Rs.1066.38 lakhs)	NLCPR	90:10 (Central : State)	383.89	38.39	422.28	383.89	576.32	960.21	38.39		38.39	Rs. 68.25 lakh proposed as state share. Work completed. Liabilities to be cleared
Sub-Total (A)				1522.19	154.21	1676.40	1522.19	1288.97	2811.16	154.21	0.00	154.21	
NEC													
1	Construction of 33 KV Single Circuit Express line from Changlang Power Sub-Station to Khimiyang including Providing of 2x1 MVA, 33/11 KV Power Sub-Station at Khimiyang (Estt. Cost - Rs. 496.32 Lakhs)	NEC	90:10 (Central : State)	360.00	0.00	360.00	360.00	86.69	446.69	49.63		49.63	Rs. 36.00 lakh proposed as state share. Work completed. Liabilities to be cleared
2	System Improvement of Power Distribution network in Dambuk, Lower Dibang Valley district. (Estt. Cost - Rs. 1252.00 Lakhs)	NEC	90:10 (Central : State)	0.00	0.00	0.00	90.00	414.72	504.72	0.00		0.00	Rs. 9.00 lakh proposed as state share. Work to be awarded shortly.
				360.00	0.00	360.00	450.00	501.41	951.41	49.63	0.00	49.63	
Grand Total (a+b+c+d) :-				0.00	0.00	0.00	4435.00	524.72	4959.72	495.00	7500.00	8198.84	

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