General Instruction for filling up the prescribed formats

Summary data as required in El Capacity, VHEE, El Capacity Fund, El-OFC-Vsat, El-GIS and El IT tabs may be furnished immediately however their details as required in Format and Formats Details upto 2015-16 tab

No column should be left blank. If No details are available then please write "NA".

The Infrastructure required - new capacity addition/augmentation be based on the ongoing Schemes-DDUGJY, IPDS and other State schemes etc.

Status and Plan for Electrical Infrasturucture in Rural and Urban areas/Towns/cities for Each Discoms/Power Deptt of State

Pl give details (Name of Power S/s, Feeders or location/areawise DTs, Feeders(including underground cables etc.)

You may insert any row at appropiate place and headings as per requirement if needed Status and Plan for Village Electrification, Urban areas/Towns/cities and House Holds for Each Discoms/Power Deptt of State

The Fund requirement for Infrastructure required(new and augmentation capacity addition) to be based on the ongoing Schemes-DDUGJY, IPDS and other State schemes

General Instruction for submission of writeup

EI Capacity

1.0 Please state the Status of Load Flow study carried out for existing and for future expansions- for Each Discoms/Power Deptt of State

- 1.1 Please Note that the Electrical Infrastucture to be created/augmented is based on Future requirement, Load flow study etc, pl give a write up for Each Discoms/Power Deptt of State
- 1.2 The Infrastructure required new capacity addition/augmentation be based on the ongoing Schemes-DDUGJY, IPDS and other State schemes etc.
- 1.4 Pl furnish a write up on issues on achieveing the Plan/targets for Each Discoms/Power Deptt of State
- 1.5 Pl mention the Scheme/Programme of Coverages suitably. Confirmation of figure with PFA documents may be made clearly mentioned.

VHEE

1.0 please Note that the Villages inhibited and Urban/town/cities, HouseHolds are as per Census 2011, if Not, pl give a write up for Each Discoms/Power Deptt of State

1.1 please state the basis of Nos of BPL Hosuseholds-whether based on SECC 2011 or others(specify) in a separate writeup for Each Discoms/Power Deptt of State

1.2 Pl furnish a write up on issues on achieveing the Plan/targets for Each Discoms/Power Deptt of State

1.3 Status and Plan for Village Electrification, Urban areas/Towns/cities and House Holds for Each Discoms/Power Deptt of State

El Fund Capacity

1.0 The Fund requirement for Infrastructure required(new and augmentation capacity addition) to be based on the ongoing Schemes-DDUGJY, IPDS and other State schemes

1.1 Please state the Status of Funds, sanctioned and released, Gaps for future expansions in line with estimation in PFA documents- for Each Discoms/Power Deptt of State 1.2 Pl furnish a write up on issues on achieveing the Plan/targets for Each Discoms/Power Deptt of State

ATnC losses

1.0 Whether any study/assesment for AT&C loss for Each Discoms/Power Deptt of State is done for reduction

1.1 If Yes, Please mentioned the observations/findings, recommendations , timelines etc for Discom/Powerdeptt of State for reduction of losses

1.2 Pl furnish a writeup on measures adopted, and proposed, issues on achieveing the Plan/targets for Each Discoms/Power Deptt of State

1.3 Pl mention whether target is as per MOP upto 2021-22 or upto 2018-19 or as per UDAY

1.4 Pl give details (Name of Power S/s, Feeders (including underground cables etc.), consumers : existing and covered under metering.

GPS based GIS mapping for Electrical System- Existing and Augmentation

1.0 Please state the Status of implementation of GIS for existing Electrical system for Each Discoms/Power Deptt of State

1.1 Pl furnish a write up on issues on achieveing the Plan/targets on implementation of GIS for Each Discoms/Power Deptt of State

- 1.2 Pl give details (Name of Power S/s, Feeders or location/areawise DTs, Feeders(including underground cables etc), consumers covered under GIS mapping
- 1.3 The Fund required for implementaion of GIS may be included in "Funds required for Electrical Infratructure"
- 1.4 Pl fill the data as applicable for GIS. No column should be left blank. If No details are available then please write "NA".

IT enablement in Electrical System- Existing and Augmentation

1.0 Please state the Status of implementation of IT enablement in existing Electrical system for Each Discoms/Power Deptt of State

1.1 PI furnish a write up on issues on achieveing the Plan/targets on implementation of IT enablement for Each Discoms/Power Deptt of State

1.2 Pl give details (Name of Power S/s, Feeders or location/areawise DTs, Feeders(including underground cables etc), consumers covered under GIS mapping

1.3 The Fund required for implementation of IT enablement may be included in "Funds required for Electrical Infratructure"

A. Electrical Infrastructure -Addition of New capacity & augmentation

		Existing upto	New	/ Flectrical	Infrastru	ture Plan	unto 202	1.22	Augmen	ted Flectri	cal Infras	tructure P	lan unto	2021-22	Remark
SI. No.			New	Electrical	iiiiastiu		upto 202	1-22	Auginei					2021-22	Remark
	Item/Description		2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	
ldition : Elect															
1	Nos of Power SubStations(66/33/22),Nos														
2	Capacity of Power SubStations(66/33/22),MVA														
3	Feeders of Power SubStations(66/33/22KV), Nos														
4	Capacitor bank, MVAr														
5	Capacitor bank, Nos.														
6	Nos of Distribution Transformers, Nos														
	Capacity of Distribution														
7	Transformers(11/0.433KV), MVA														
8	Feeders (11KV), Nos														
q	Feeder segregation(Agri) Nos														
5															
10	Length of Feeders (11KV), CKM														
	Length of LT Feeders (.433KV, .215KV), CKM Single														
11	Phase														
	Length of LT Feeders (.433KV, .215KV), CKM Three														
12	Phase														
13	HVDS Transformer(Nos.)														
14	HVDS Transformer(Capacity)														
15	HVDS(HT CKMs)														
16	HVDS(LT CKMs)														
ldition:Electri	ical Infrastructure in Urban areas (Including under the	e ongoing schem	es IPDS an	d Others)											
1	Nos of Power SubStations(66/33/22),Nos														
2	Capacity of Power SubStations(66/33/22),MVA														
3	Feeders of Power SubStations(66/33/22KV), Nos														
4	Capacitor bank, MVAr														
5	Capacitor bank, Nos.														
6	Nos of Distribution Transformers, Nos														
	Capacity of Distribution														
7	Transformers(11/0.433KV),MVA														
8	Feeders (11KV), Nos														
9	Feeder segregation(Agri.) Nos.														
10	Length of Feeders (11KV), CKM														
	Length of LT Feeders (.433KV, .215KV), CKM Single														
	Phase														
11	Phase				1	1	1						-		
11															
11	Length of LT Feeders (.433KV, .215KV), CKM Three Phase														
12	Length of LT Feeders (.433KV, .215KV), CKM Three Phase														
12 13	Length of LT Feeders (.433KV, .215KV), CKM Three Phase HVDS Transformer(Nos.)														
12	Length of LT Feeders (.433KV, .215KV), CKM Three Phase														
	1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 dition:Electr 1 2 3 4 5 6 7 8 9	Item/Description dition : Electrical Infrastructure in Rural Areas (Including under the 1 Nos of Power SubStations(66/33/22),Nos 2 Capacity of Power SubStations(66/33/22),MVA 3 Feeders of Power SubStations(66/33/22KV), Nos 4 Capacitor bank, MVAr 5 Capacitor bank, MVAr 6 Nos of Distribution Transformers, Nos 6 Nos of Distribution Transformers, Nos 7 Transformers(11/0.433KV),MVA 8 Feeders (11KV), Nos 9 Feeders (11KV), Nos 10 Length of Feeders (11KV), CKM 11 Phase 12 Phase 13 HVDS Transformer(Nos.) 14 HVDS Transformer(Nos.) 15 HVDS(HT CKMs) 16 HVDS(LT CKMs) 17 Secietry of Power SubStations(66/33/22),Nos 2 Capacity of Power SubStations(66/33/22),Nos 2 Capacity of Power SubStations(66/33/22),Nos 3 Feeders of Power SubStations(66/33/22),Nos 4 Capacity of Power SubStations(66/33/22),Nos	Item/Description 31.03.2016 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schem 1 Nos of Power SubStations(66/33/22),Nos 2 Capacity of Power SubStations(66/33/22),NVA 2 Capacitor bank, MVAr 2 S Cepacitor bank, MVAr S Capacitor bank, MVAr S Capacitor bank, MVAr S Capacitor bank, Nos. 6 Nos of Distribution Transformers, Nos Capacity of Distribution 7 7 Transformers(11/0.433KV),MVA 8 Feeders (11KV), Nos 9 Feeders (11KV), Nos 10 Length of Feeders (14KV), CKM 11 Length of LT Feeders (.433KV, .215KV), CKM Single Phase 9 13 HVDS Transformer(Nos.) 14 HVDS Transformer (Nos.) 15 HVDS(LT CKMs) 16 HVDS(LT CKMs) 2 Capacitor bank, NOA 3 Feeders of Power SubStations(66/33/22),Nos 2 Capacitor bank, NOS. 2	Sl. No. Item/Description 2015-16, as on 31.03.2016 2016-17 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DDUGJ Nos of Power SubStations(66/33/22),Nos 2016-17 1 Nos of Power SubStations(66/33/22),Nos	Sl. No. Item/Description 2015-16, as on 31.03.2016 2016-17 2017-18 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DDUGIY and other 1 Nos of Power SubStations(66/33/22),MVA Image: Comparison of the ongoing schemes DDUGIY and other 1 Nos of Power SubStations(66/33/22),MVA Image: Comparison of the ongoing schemes DDUGIY and other 2 Capacity of Power SubStations(66/33/22KV), Nos Image: Comparison of the ongoing schemes DDUGIY and other 3 Feeders of Power SubStations(66/33/22KV), Nos Image: Comparison of the ongoing schemes DDUGIY and other 4 Capacitor bank, MVAr Image: Comparison of the ongoing schemes DDUGIY and other 5 Capacitor bank, NOS. Image: Comparison of the ongoing schemes DDUGIY and other 6 Nos of Distribution Transformers, Nos Image: Comparison of the ongoing schemes IPDS and Others 9 Feeders (11KV), Nos Image: Comparison of the ongoing schemes IPDS and Others 10 Length of LT Feeders (L433KV, .215KV), CKM Three Image: Comparison of the ongoing schemes IPDS and Others 11 Phase Image: Comparison of the ongoing schemes IPDS and Others 12 Phase Image: Comparison of the ongoing schemes IPDS and Others 14 HVDS Transformer (Comparison	Sl. No. Item/Description 2015-16, as on 31.03.2016 2016-17 2017-18 2018-19 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DDUG)Y and others) 2016-17 2017-18 2018-19 1 Nos of Power SubStations(66/33/22),Nos <td>Sl. No. Item/Description 2015-16, as on 31.03.2016 2016-17 2017-18 2018-19 2019-20 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DDUGIY and others) 2016-17 2017-18 2018-19 2019-20 1 Nos of Power SubStations(66/33/22),Nos -<</td> <td>Sl. No. 2015-16, as on 31.03.2016 100.0000000000000000000000000000000000</td> <td>Sl. No. Item/Description 2015-16, as on 31.03.2016 2017-18 2018-19 2019-20 2020-21 2021-22 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DDUGIY and others) Image: Stations (66/33/22),MVA Ima</td> <td>Sl. No. tem/Description 2015-16, as on 31.03.2016 2017-18 2018-17 2017-18 2018-10 2019-20 2021-22 2016-17 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DULG/Y and others) Image: Comparison of C</td> <td>Si. No. Item/Description 2015-16, as on 31.03.2015 Item/Description 2016-17 2017-18 2018-19 2012-20 2021-22 2021-22 2021-22 2016-17 2017-18 dition : Electrical Infrastructure In Rural Areas (Including under the ongoing schemes DUGGY and others) Image: Comparison of the other scheme Substations (66/33/22),Nos Image: Comparison of the other scheme Substa</td> <td>Sh. No. 2015-16, as on 31.03.2016 2019-17 2019-18 2019-20 2020-21 2021-22 2016-17 2017-18 2018-19 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and Others) Image: Constructure in Rural Areas (Including under the ongoing schemes IPDS and Others) Image: Constructure in Rural Areas (Including under the ongoing schemes IPDS and Others) Image: Constructure in Rural Areas (Including under the ongoing schemes IPDS and Others) Image: Constructure in Rural Areas (Including under the ongoing schemes IPDS and Others) Image: Constructure in Rural Areas (Including under the o</td> <td>Si. No. Item/Description 2015-16, as of 3016-17 2017-18 2018-17 2017-18 2018-17 2017-18 2018-19 2018-20 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes: DDUGIY and others) Image: Comparison of the comparison of t</td> <td>Si. No. Item/Description 2015-16, as on Item/Description 2016-17 2017-18 2018-17</td> <td>Sh. No. Item/Description 2015-16, as of 2017-18 2018-17</td>	Sl. No. Item/Description 2015-16, as on 31.03.2016 2016-17 2017-18 2018-19 2019-20 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DDUGIY and others) 2016-17 2017-18 2018-19 2019-20 1 Nos of Power SubStations(66/33/22),Nos -<	Sl. No. 2015-16, as on 31.03.2016 100.0000000000000000000000000000000000	Sl. No. Item/Description 2015-16, as on 31.03.2016 2017-18 2018-19 2019-20 2020-21 2021-22 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DDUGIY and others) Image: Stations (66/33/22),MVA Ima	Sl. No. tem/Description 2015-16, as on 31.03.2016 2017-18 2018-17 2017-18 2018-10 2019-20 2021-22 2016-17 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DULG/Y and others) Image: Comparison of C	Si. No. Item/Description 2015-16, as on 31.03.2015 Item/Description 2016-17 2017-18 2018-19 2012-20 2021-22 2021-22 2021-22 2016-17 2017-18 dition : Electrical Infrastructure In Rural Areas (Including under the ongoing schemes DUGGY and others) Image: Comparison of the other scheme Substations (66/33/22),Nos Image: Comparison of the other scheme Substa	Sh. No. 2015-16, as on 31.03.2016 2019-17 2019-18 2019-20 2020-21 2021-22 2016-17 2017-18 2018-19 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and others) Image: Constructure in Rural Areas (Including under the ongoing schemes DDUGY and Others) Image: Constructure in Rural Areas (Including under the ongoing schemes IPDS and Others) Image: Constructure in Rural Areas (Including under the ongoing schemes IPDS and Others) Image: Constructure in Rural Areas (Including under the ongoing schemes IPDS and Others) Image: Constructure in Rural Areas (Including under the ongoing schemes IPDS and Others) Image: Constructure in Rural Areas (Including under the o	Si. No. Item/Description 2015-16, as of 3016-17 2017-18 2018-17 2017-18 2018-17 2017-18 2018-19 2018-20 dition : Electrical Infrastructure in Rural Areas (Including under the ongoing schemes: DDUGIY and others) Image: Comparison of the comparison of t	Si. No. Item/Description 2015-16, as on Item/Description 2016-17 2017-18 2018-17	Sh. No. Item/Description 2015-16, as of 2017-18 2018-17

B. Electrification of Villages and Households

Name of				Electrified a 201		Name of		Plan up	oto 2021-2	2(grid coi	nnected)			Plar	n upto 20	21-22(off-	grid)		Remarks
Discom/Pow er Deptt,				Grid		Scheme/P rogramm													
State	SI. No.		census 2011	connected	off-Grid	e	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	
	1	Village Electrification																	
		Electrification of																	
		Urban																	
	2	areas(Towns/cities)																	
		Total Households in																	
	3	Villages/Rural Areas																	
		Total Households in Urban																	
	4	area(towns/Cities)																	
		BPL Households in																	
	5	Villages																	
		BPL Households in Urban																	
	6	areas(Towns/Cities)																	

Note-1) PI mention if figures match with PFA documents/DDUGJY scheme in Remark Column

2) PI give details (Name of Village, Towns ,Rural areas, with HH numbers) for electrfication

C. Measures for AT&C loss reduction/ trajectory

C1) Status and Plan for AT&C loss Reduction-

			Present							
			Status in			Plan upto 2	2021-22			Remarks
Name of			2015-16, as							
Discom/Power			on							
Deptt, State	Sl. No.	Item	31.03.2016	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	
	1	AT&C loss %								
	2	Billing Efficiency %								
	3	Collection efficiency %								
Note · Ahove defi	nitions are as ner	DEC's report on State I Itilities Perfe	rmance							

Note : Above definitions are as per PFC's report on State Utilities Performance.

C2) Status and Plan for Metering-

Name of				Metering Status in 2015-		Me	tering Plan	upto 2021	-22		Remarks
Discom/Power				16, as on							
Deptt, State	SI. No.	Item/Description	Total Nos	31.03.2016	2016-17	2017-18	2018-19	2019-20	20120-21	2021-22	
2.1) Metering pl	an in Rural Areas	s (Including under the ongoing sch	emes DDUG	IY and others)							
		Feeders of Power									
	1	SubStations(66/33/22KV), Nos									
		Distribution Transformers, Nos									
_		Feeders (11KV), Nos									
_		Metering of all Consumers, Nos	r						r		r
_		Domestic (HT)									
_		Commercial/Non Domestic (HT)									
_		Industrial (HT)									
_	8	Traction (including DMRC) (HT)									
		Public water works & Sewage									
Ļ		Pumping(HT)									
Ļ		Miscellaneous (HT)									
_		Domestic (LT)									
_		Commercial/Non Domestic (LT)									
_		Industrial (LT)									
		Public water works & Sewage									
_		Pumping(LT)									
_		Public Lighting(LT)									
_		Agriculture(LT)									
	17	Miscellaneous (LT)									
2 2) Metering nl	an in Urhan area	s (Including under the ongoing scl	homos IDDS a	and Others)							
.2.2/ Wetering pi			lemes ir D5 a		1		1				
		Feeders of Power									
		SubStations(66/33/22KV), Nos									
-		54654410115(00) 557 2210 7, 1005									
	2	Distribution Transformers, Nos									
-		Feeders (11KV), Nos									
-		Metering of all Consumers, Nos									
ŀ		Domestic (HT)		1	r –				1		
ŀ		Commercial/Non Domestic (HT)		ł							
ŀ		Industrial (HT)									
F		Traction (including DMRC) (HT)									
F		Public water works & Sewage									
		Pumping(HT)									
-		Miscellaneous (HT)									
ŀ		Domestic (LT)									
F		Commercial/Non Domestic (LT)									
		Industrial (LT)									
		Public water works & Sewage									
-		Public water works & Sewage									
-	14	Pumping(LT)									
- - - -	14 15	-									

D. Funds for Electrical Infrastructure -Addition of New and Augmentation of Capacity

				on 31.	Status 03.2016 Ding Pro	•				Reauir	ement	t of Fu	nds, Av	vailabi	ltv. Ga	no in P	lannni	ng up	to 202	1-22. i	n Rs Ci	rs			
Name of Discom/Power			Total Fund Requirement, in Rs Crs (2015-16			Excess/	in	Avalab ility in 2016-	Gap in	Requir ement in	Avalab ility in 2017-	Gap in	Requir ement in 2018-	Avalab ility in 2018-		Requir ement in	Avalab ility in 2019-		Requir ement in	Avalab ility in 2020-	Gap in	Requir ement in 2021-	Avalab ility in 2021-	Gap in 2021-	-
Deptt, State	Sl. No.	Item/Description	onwards)	ement					17	18	18*	18	19	19*	19	20	20*	20	21	21*	21	22	22*	22	Remark
D.1) Status of Funds	s for Capacity Addit	ion:Electrical Infrastructure in Ru	ral Areas (Including ι	nder the	e ongoir	g schemes	DDUGJY	and oth	ers)																
		Nos of Power																							
	1	SubStations(66/33/22),Nos																							
	2	Capacity of Power SubStations(66/33/22),MVA																							
		Feeders of Power SubStations(66/33/22KV),																							
	3	Nos																							\perp
	4	Capacitor bank, MVAr																							
	5	Capacitor bank, Nos.				ļ	ļ					ļ							I	L			L	L	—
		Nos of Distribution																							
	6	Transformers, Nos																							
	7	Capacity of Distribution Transformers(11/0.433KV),M VA																							
-	8	Feeders (11KV), Nos																							
	9	Feeders (IIRV), Nos Feeder segregation(Agri.) Nos.																							
	10	Length of Feeders (11KV), CKM																							
	11	Length of LT Feeders (.433KV, .215KV), CKM Single Phase																							
	<u>12</u> 13	Length of LT Feeders (.433KV, .215KV), CKM Three Phase HVDS Transformer(Nos.)																							
1							1			1		1	1			1				1		1	1	1	1
	14	HVDS Transformer(Capacity)																							
	15	HVDS(HT CKMs)																							
ĺ	16	HVDS(LT CKMs)																							
ĺ	17	Metering of Feeders-11KV																							
ĺ	18	Metering of DTs																							
ĺ	19	Metering of all Consumers																							
ĺ	20	Fund for IT/communication																							
[21	optic fibre link																							\perp
	22	SCADA										ļ								ļ			ļ	ļ	\perp
	23	V-SAT										ļ	1						<u> </u>						\perp
	24	GIS incl. mapping and indexation																							
ĺ	25	Smart meter-AMI														1									

		_				upto 2015- .03.2016		n				of Fu		vailabil	ty, Ga		lannnii	ng up			n Rs Cı		n		
							Requir			Requir			Requir			Requir			Requir			Requir			
			Total Fund					Avalab			Avalab			Avalab			Avalab			Avalab			Avalab		
Name of			Requirement, in Rs				in	ility in			ility in			ility in	Gap in	in	ility in	Gap in			Gap in		ility in		
Discom/Power			Crs (2015-16	Requir			2016-		2016-		2017-					2019-		2019-	2020-				2021-		
Deptt, State		Item/Description	onwards)	ement		Gap	17	17*	17	18	18*	18	19	19*	19	20	20*	20	21	21*	21	22	22*	22	Rema
2) Status of Funds	s for Capacity Addit	tion of Electrical Infrastructure in	Urban areas (Includii	ng under	the ong	oing schem	nes IPDS	and Oth	ers)				r			1	1		-	r	r		1		
		Nos of Power																							
	1	SubStations(66/33/22),Nos																						L	_
		Capacity of Power																							
	2	SubStations(66/33/22),MVA																							
		Feeders of Power																							
		SubStations(66/33/22KV),																							
	3	Nos														I									1
	4	Capacitor bank, MVAr																							
	5	Capacitor bank, Nos.																							
		Nos of Distribution																							
	6	Transformers, Nos																							
		Capacity of Distribution																							
		Transformers(11/0.433KV),M																							
	7	VA																							
	8	Feeders (11KV), Nos																							
		Feeder segregation(Agri.)																							
	9	Nos.																							
		Length of Feeders (11KV),																							
	10	СКМ																							
		Length of LT Feeders (.433KV,																							
	11	.215KV), CKM Single Phase																						L	
		Length of LT Feeders (.433KV,																							
	12	.215KV), CKM Three Phase																						L	_
	13	HVDS Transformer(Nos.)																							
	14	HVDS Transformer(Capacity)																						<u> </u>	_
	15	HVDS(HT CKMs)																							
	16	HVDS(LT CKMs)																						L	
	17	Metering of Feeders-11KV																							_
	18	Metering of DTs																							
	19	Metering of all Consumers			I								I					ļ		I	I			└───	4
	20	Fund for IT/communication			I								I					ļ		I	I			└───	4
	21	optic fibre link			I								I					ļ		I	I			└───	+
	22	SCADA			I								I					ļ		I	I			└───	+
	23	V-SAT			<u> </u>					I			<u> </u>	<u> </u>		<u> </u>				<u> </u>	<u> </u>	I		┝───	
		GIS incl. mapping and																							1
	24	indexation			I								I					ļ		I	I			───	4
	25	Smart meter-AMI			L		1			1			L					1	1	L	L	1			

E. Communication Connectivity through SCADA, OFC, V-SAT etc on Electrical System- Existing and Augmentation

1.0 Please state the Status of implementation of SCADA, OFC and V-SAT for existing Electrical system for Each Discoms/Power Deptt of State

1.2 Plansh a write up on issues on achievening the Plan/targets on implementation of SCADA, OFC and V-SAT for Each Discoms/Power Deptt of State 1.2 Pl give details (Name of Power S/s, Feeders or location/areavise DTs, Feeders including underground cables etc.) covered under SCADA, OFC and V-SAT as may be applicable.

1.3 The Fund required for implementaion of SCADA, OFC and V-SAT etc may be included in "Funds required for Electrical Infratructure"

1.4 Pl fill the data as applicable for Scada, OFC, Vsat etc.

1.5 No column should be left blank. If No details are available then please write "NA".

			Present st	tatus in 20)15-16, as on																		
Name of				31.03.20	16	P	lan for 20	L6-17	P	lan for 20	17-18		Plan for 2018	3-19	P	lan for 201	.9-20	P	lan for 202	0-21	P	lan for 2021-	-22
Discom/Powe																						7	Ĩ
r Deptt, State	SI. No.	Item/Description	SCADA/DMS	OFC	V-Sat/GSM/RF	SCADA/DMS	OFC	V-Sat/GSM/RF	SCADA/DMS	OFC	V-Sat/GSM/RF	SCADA/DMS	OFC	V-Sat/GSM/RF	SCADA/DMS	OFC	V-Sat/GSM/RF	SCADA/DMS	OFC	V-Sat/GSM/RF	SCADA/DMS	OFC	V-Sat/GSM/RF
					on Electrical Syst								•										
		Power						•															
		SubStations(66/33/22/11KV),																					
		Nos																					
ľ		Feeders of Power																					
		SubStations(66/33/22/11KV),																					
	2	Nos																					
Ī																						-	
	3	Distribution Transformers, Nos																					
Ī	4	Feeders (11KV), Nos																					I
	5	HVDS Transformer(Nos.)																				-	Í
		E.	2) SCADA, OFC	C and V-SA	T on Electrical Sy	stem in Urban a	areas (Inc	luding under the o	ongoing scheme	es IPDS and	d Others)												
		Power																					Ĩ
		SubStations(66/33/22/11KV),																					ł
	1	Nos																					1
		Feeders of Power																					Í
		SubStations(66/33/22/11KV),																					ł
	2	Nos																					I
																							1
		Distribution Transformers, Nos																					I
		Feeders (11KV), Nos																					I
	5	HVDS Transformer(Nos.)																					ı

F. GPS based GIS mapping for Electrical System- Existing and Augmentation

Name of			Present status in 2015-16, as on						
Discom/Power			31.03.2016			Plan up	to 2021-22		
Deptt, State	SI. No.	Item/Description	GIS	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
.1) GIS on Electrica	l System in Rural /	Areas (Including under the ongoing sch	nemes DDUGJY and	others)					
		Power							
	1	SubStations(66/33/22/11KV),Nos							_
		Feeders of Power							
	2	SubStations(66/33/22KV), Nos							
	3	Distribution Transformers, Nos							
	4	Feeders (11KV), Nos							
	5	LT Feeders (.433KV, .215KV),Nos							
	6	Feeder wise Consumer indexing							
.2) GIS on Electrica	I System in Urban	areas (Including under the ongoing sc IPower	hemes IPDS and Ot	hers)	1	-			
	1								
	1	SubStations(66/33/22/11KV),Nos Feeders of Power							
	1	SubStations(66/33/22/11KV),Nos							
		SubStations(66/33/22/11KV),Nos Feeders of Power							
	2	SubStations(66/33/22/11KV),Nos Feeders of Power SubStations(66/33/22KV), Nos							
	2 3	SubStations(66/33/22/11KV),Nos Feeders of Power SubStations(66/33/22KV), Nos Distribution Transformers, Nos							

G. IT enablement in Electrical System- Existing and Augmentation

Name of					1	IT enablemen	t Plan upto 20	21-22	1	
Discom/Power			Present status in 2015-							
Deptt, State	SI. No.	Item/Description	16, as on 31.03.2016	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	Remarks
G.1) IT enablement	Electrical Sys	tem in Rural Areas (Including u	inder the ongoing scheme	es DDUGJY an	d others)					
	1	Data Center(DC)								
	2	Disaster Recovery centre								
	3	IT Intergration with DC/DRC								
	4	Enterprise Resource Planning								
	5	IT enablement of Feeders (11KV), Nos								
	6	Customer Care Center								
G.2) IT enablement	Electrical Sys	tem in Urban areas (Including (under the ongoing schem	es IPDS and C)thers)					
	1	Data Center(DC)								
	2	Disaster Recovery centre								
	3	IT Intergration with DC/DRC								
	4	Enterprise Resource Planning								
	5	IT enablement of Feeders (11KV), Nos								
		Customer Care Center								

Format : A1.1

						Completio	n Target : N	lew Electri	cal Infrastr	ucture Plan	upto 2021-	Comple	tion Target	: Augmente	ed Electrica	Infrastruct	ure Plan	
Name of			Incoming	Outgoing				1	22					upto 2	021-22			Remarks
Discom/Power		Name of Power s/s incl.	feeders	feeders	Capacity													
Deptt, State	Item/Description	Location/Area/District	(Nos)	(Nos)	(MVA)	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	
	Power SubStations	Example : 66/22 kV s/s																
	(66/33/22),Nos	at aaa, district-bbb	4	6	50			Dec-18										

Format : A1.2

				Completio	n Target : N	lew Electri	cal Infrastr	ucture Plan	upto 2021-	Comple	tion Target	: Augment	ed Electrica	I Infrastruct	ture Plan	
		Location /Area	Length			:	22					upto 2	2021-22			
Item/Description	Line/Feeder Name	/circle	(СКМ)	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	
Feeders of Power																
SubStations	33 kV aaa-bbb s/c															
(66/33/22KV)	feeder/UG cable															

Format : A1.3

		Incoming	Outgoing		Completio	n Target : N	ew Electri	cal Infrastr	ucture Plan	upto 2021-	Comple	tion Target	: Augmente	d Electrical	Infrastruct	ure Plan	
	Name incl.	feeders	feeders	Capacity			2	22					upto 2	021-22			1
Item/Description	Location/Area/District	(Nos)	(Nos)	(MVA)	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	1
Distribution																	
Transformers																	1

Format : A1.4

				Completio	n Target : N	lew Electr	ical Infrastr	ucture Plan	upto 2021	Completion Target : Augmented Electrical Infrastructure Plan					
				22						upto 2021-22					
		Location /Area	Length												
Item/Description	Line/Feeder Name	/circle	(CKM)	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
LT Feeders from	11 KV aaa-bbb s/c														
Distribution S/s	feeder/UG cable														

Format : A1.5

		Location			Completion Target : New Electrical Infrastructure Plan upto 2021					Completion Target : Augmented Electrical Infrastructure Plan							
		/Area	Туре	Length		22 upto 2021-22											
Item/Description	Line/Feeder Name	/circle	3/1 Ø	(CKM)	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	
Feeders of Distribution	415V aaa-bbb s/c																
S/s	feeder/UG cable															1	

Format : A1.6

					Completio	completion Target : New Electrical Infrastructure Plan upto 2021					- Completion Target : Augmented Electrical Infrastructure Plan upto 2021-22					ure Plan	
			Location /Area	of		22				upto 2021-22							
Item/De	scription	Line/Feeder Name	/circle	feeders	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	
Feeder segre	egation for																
domestic(ur	ban/rural)	415V aaa-bbb s/c															
and agricultu	ure	feeder/UG cable															

Format : A1.1	Power SubStations (66/33	/22/11),Nos				
Name of Discom/Power		Name of Power s/s incl.	Incoming	Outgoing	Capacity	Remark
Deptt, State	SI. No.	Location/Area/District	feeders (Nos)	feeders (Nos)	(MVA)	
		Example : 66/22 kV s/s at aaa,				
	1	district-bbb				
	2					
	3					
	4					

Format : A1.2	Feeders of Power SubStati	ons (66/33/22/11KV)			
Name of Discom/Power Deptt, State	SI. No.	Line/Feeder Name	Location /Area /circle	Length (CKM)	
	1	33 kV aaa-bbb s/c feeder/UG cable			
	2				
	3				
	4				

Format : A1.3 Distribution Transformers

Name of Discom/Power Deptt, State	SI. No.	Name incl. Location/Area/District	Incoming feeders (Nos)	Outgoing feeders (Nos)	Capacity (MVA)	
Depit, State	51. NO.	Location/Area/District	Teeders (1403)	1220213 (1403)		
	2					
	3					

Format : A1.4 LT Feeders from Distribution S/s

Name of Discom/Power				Length
Deptt, State	SI. No.	Line/Feeder Name	Location /Area /circle	(CKM)
		11 KV aaa-bbb s/c feeder/UG		
	1	cable		
	2			
	3			
	4			

Format : A1.5 Feeders of Distribution S/s

Name of Discom/Power			Location /Area	Туре	Length	
Deptt, State	SI. No.	Line/Feeder Name	/circle	3/1 Ø	(CKM)	
		415V aaa-bbb s/c feeder/UG				
	1	cable				
	2					
	3					
	4					
	5					

Format : A1.6 Feeder segregation for domestic(urban/rural) and agriculture

Name of Discom/Power				Number	
Deptt, State	SI. No.	Line/Feeder Name	Location /Area /circle	of feeders	
		415V aaa-bbb s/c feeder/UG			
	1	cable			
	2				
	3				
	4				
	5				
	6				