

SECTION - A

Executive Summary

Executive Summary

Scheme Code No. :

A

Amount in Rs. Lakhs

State		Total Project Cost	
Name of Power Utility		Capital Subsidy	
Name of District		Loan	
No. of Blocks		Other source of funding, if any	
Total Population of the area		Revenue Subsidy, (if any, committed by State Govt.)	
Total Geographical Area (SqKm)		Scheme Implementation Period (a) Start (Proposed) (b) Completion (Proposed)	
Whether in Forest Area (Yes/No)			

Mode of Implementation : Turnkey
 Implementing Authority / Agency :
 Consultant :

Status of Village Electrification

Total No. of Inhabited Villages	No. of villages electrified as on _____	% Electrification	Balance no. of villages to be electrified as on _____
1	2	3	4

Status of Electrification of Village Habitations(Hemlets/Dhani/Tola/Majra/Kara)

Total No. of Village Habitations	No. of Village Habitations electrified as on _____	% Electrification	Balance no. of Village Habitations to be electrified as on _____
1	2	3	4

Status of Rural Household Electrification (Including BPL households)

Total No. of Households	No. of Households electrified as on _____	% Electrification	Balance no. of households to be provided access to electricity under the present project
1	2	3	4

Status of BPL (Below Poverty Line) Household Electrification

Total No. of BPL Households	No. of BPL Households electrified as on _____	% Electrification	Balance no. of BPL households to be electrified under the present project
1	2	3	4

Electrification of Public places / services

Public places / services	Total	Proposed to be electrified under present scheme	Balance
Schools			
Pachayat Office			
Health Centres			
Dispensaries			
Community Centres			
Others like street lights etc. (Pl. specify)			

Proposed number of connections to be released under present project

Category -->	Domestic (other than BPL)	Domestic (BPL)	Commercial	Agricultural	Small Industrial	Water Works	Others (Pl. Specify)
No. of Services							

SECTION - B

**Scope of Work
and
Estimated Cost**

Abstract - Scope of work and estimated cost

REC Ltd

State :

Name of District & Census Code :

Scheme Code No. :

B

Abstract - Scope of work and estimated cost

Sr.No.	Item of Work	Specifications	Unit	Ref. No. for detailed cost data	Unit Cost	Total Quantity	Total Cost	Phasing of Quantity		Phasing of Cost	
								Rs.Lakh	Rs.Lakh	Year 1	Year 2
1	2	3	4	5	6	7	8	9	10	11	12
A. 33 KV Works											
1	New 33/11 KV Sub-stations [For new 33/11 KV Substations & lines in blocks where these do not exist]	Specify no. of 33 KV & 11 KV CBs & panels	Nos.			0	0.000	0.000	0.000	0.000	0.000
	(a) 1 x 3.15 MVA					0	0.000	0.000	0.000	0.000	0.000
	(b) 1 x 1.6 MVA					0	0.000	0.000	0.000	0.000	0.000
	(c) 1 x 5 MVA					0	0.000	0.000	0.000	0.000	0.000
	(d) 2 x 3.15 MVA					0	0.000	0.000	0.000	0.000	0.000
2	Augmentation of Ex. 33/11 KV S/S.	Specify size to size	Nos.			0	0.000	0.000	0.000	0.000	0.000
3	Addl. 11 KV Circuit breakers at existing Substation	Details to be provided separately	Nos.			0	0.000	0.000	0.000	0.000	0.000
4	R & M of Ex. 33/11 KV sub-stations	Specify works	LS			0	0.000	0.000	0.000	0.000	0.000
5 New 33 KV Lines											
	(a) With Dog ACSR- 3 Ph	Specify type of support	Kms			0	0.000	0.000	0.000	0.000	0.000
	(b) With Raccoon ACSR- 3 Ph					0	0.000	0.000	0.000	0.000	0.000
	(c) With Rabbit ACSR- 3 Ph					0	0.000	0.000	0.000	0.000	0.000
6	Reconductoring of 33 KV Lines	Specify size to size	Kms			0	0.000	0.000	0.000	0.000	0.000
7	Renovation of Ex. 33 KV lines	Specify works	LS			0	0.000	0.000	0.000	0.000	0.000
Sub-Total (A)						0	0.000	0.000	0.000	0.000	0.000
B. 11 KV Works											
1 New Distribution sub-stations											
	(a) 10 KVA (1 ph)	11/ 0.25 KV				0	0.000	0.000	0.000	0.000	0.000
	(b) 16 KVA (1 ph)	11/ 0.25 KV				0	0.000	0.000	0.000	0.000	0.000
	(c) 16 KVA (3 ph)	11/ 0.4 KV				0	0.000	0.000	0.000	0.000	0.000
	(d) 25 KVA (3 ph)	11/ 0.4 KV				0	0.000	0.000	0.000	0.000	0.000
2	Augmentation of DTs	Specify	Nos.			0	0.000	0.000	0.000	0.000	0.000
3 New 11 KV Lines											
	(a) With Rabbit ACSR- 3 Ph	Specify type of support	Kms			0	0.000	0.000	0.000	0.000	0.000
	(b) With Weasel ACSR- 3 Ph					0	0.000	0.000	0.000	0.000	0.000
	(c) With Squirrel ACSR- 3 Ph					0	0.000	0.000	0.000	0.000	0.000
	(d) With Squirrel ACSR- 1 Ph					0	0.000	0.000	0.000	0.000	0.000
	(e) With Rabbit equiv AAAC- 3 Ph					0	0.000	0.000	0.000	0.000	0.000
	(f) With Weasel equiv AAAC- 3 Ph					0	0.000	0.000	0.000	0.000	0.000
	(g) With Squirrel equiv AAAC- 3 Ph					0	0.000	0.000	0.000	0.000	0.000
	(h) 11 KV ABC cable	Specify				0	0.000	0.000	0.000	0.000	0.000
4	Reconductoring of 11 KV Lines	Specify size to size	Kms			0	0.000	0.000	0.000	0.000	0.000
5	Renovation of 11 KV lines	Specify works	LS			0	0.000	0.000	0.000	0.000	0.000
Sub-Total (B)						0	0.000	0.000	0.000	0.000	0.000
C. LT Works											
1 New LT Lines											
	(a) 3 Ph 5W with Ant AAC	Specify type of support	Kms			0	0.000	0.000	0.000	0.000	0.000
	(b) 3 Ph 5 W with Gnat AAC					0	0.000	0.000	0.000	0.000	0.000
	(c) 3 Ph 4W with Ant AAC					0	0.000	0.000	0.000	0.000	0.000
	(f) 1 Ph 2W with Ant AAC					0	0.000	0.000	0.000	0.000	0.000
	(d) 3 Ph 4 W with Weasel ACSR					0	0.000	0.000	0.000	0.000	0.000
	(e) 3 Ph 4W with Squirrel ACSR					0	0.000	0.000	0.000	0.000	0.000
	(f) 1 Ph 2W with Weasel ACSR					0	0.000	0.000	0.000	0.000	0.000
	(f) 1 Ph 2W with Squirrel ACSR					0	0.000	0.000	0.000	0.000	0.000
Sub-Total (C)						0	0.000	0.000	0.000	0.000	0.000
D. Service Connections											
	(a) Domestic	Cable Size, Meter Type	Nos.			0	0.000	0.000	0.000	0.000	0.000
	(b) Commercial					0	0.000	0.000	0.000	0.000	0.000
	(c) Agricultural					0	0.000	0.000	0.000	0.000	0.000
	(d) Small Industrial					0	0.000	0.000	0.000	0.000	0.000
	(e) Water Works					0	0.000	0.000	0.000	0.000	0.000
	(f) Street Lights					0	0.000	0.000	0.000	0.000	0.000
	(g) BPL beneficiaries					0	0.000	0.000	0.000	0.000	0.000
Sub-Total (D)						0	0.000	0.000	0.000	0.000	0.000

Abstract - Scope of work and estimated cost

REC Ltd

State :

Name of District & Census Code :

Scheme Code No. :

B

Abstract - Scope of work and estimated cost

Sr.No.	Item of Work	Specifications	Unit	Ref. No. for detailed cost data	Unit Cost Rs.Lakh	Total Quantity	Total Cost Rs.Lakh	Phasing of Quantity		Phasing of Cost	
								Year 1	Year 2	Year 1	Year 2
E.	Metering	Type, Current Rating etc.	Nos.								
	(a) At 11 KV Feeders					0	0.000	0.000	0.000	0.000	0.000
	(b) At Distribution Transformers [On LT side of transformers if not provided with DTCs]					0	0.000	0.000	0.000	0.000	0.000
	Sub-Total (E)					0	0.000	0.000	0.000	0.000	0.000
F.	Other Innovative Equipments										
	(a) Switched Capacitors	KVAR	Nos.			0	0.000	0.000	0.000	0.000	0.000
	(b) Fixed Capacitors	KVAR	Nos.			0	0.000	0.000	0.000	0.000	0.000
	(c) Others (Pl. Specify)										
	Sub-Total (F)					0	0.000	0.000	0.000	0.000	0.000
G.	Computerisation and other automations										
	(a) Computer Hardware	Pl.Specify				0	0.000	0.000	0.000	0.000	0.000
	(b) Computer Software	Pl.Specify				0	0.000	0.000	0.000	0.000	0.000
	(c) Handheld Billing Machine	Pl.Specify				0	0.000	0.000	0.000	0.000	0.000
	(d) Consumer indexing	Pl.Specify				0	0.000	0.000	0.000	0.000	0.000
	(e) Others (Pl. specify)	Pl.Specify				0	0.000	0.000	0.000	0.000	0.000
	Sub-Total(G)					0	0.000	0.000	0.000	0.000	0.000
H.	Total (A+B+C+D+E+F+G)					0	0.000	0.000	0.000	0.000	0.000
I.	Overheads : 10% of H (applicable State Power Utilities only) OR Service Charge : 12% of H or as may be applicable to CPSUs only					0	0.000	0.000	0.000	0.000	0.000
J.	Total (H + I)										
H.	Cost of Franchisee Development										
	Grand Total (J + H)					0	0.000	0.000	0.000	0.000	0.000

Note: The item of works shown above are only indicative and may charge as per requirement and in line with the guidelines. Please delete what is not required.

SECTION - C

Present status of rural electrification

Blockwise Details On Present Status of Rural Household Electrification

State :

Name of District & Census Code :

Scheme Code No. :

Sr.No.	Name of Block	Census Code (2001)	Status of Rural Households (RHH) Electrification - As per Census 2001 (Including BPL households)				Status of Below Poverty Line Households (BPL HH) Electrification			
			Total No. of RHH	No. of RHH electrified as on	% Electrification	Balance no. of RHHs to be electrified	Total No. of BPL HH	No. of BPL HH electrified as on	% Electrification	Balance no. of BPL HH to be electrified
			Nos.	Nos.	%	Nos.	Nos.	Nos.	%	Nos.
1	2	3	4	5	6	7	8	9	10	11
1										
2										
3										
...										
	Total									

- Note :**
1. The above information is required only for RURAL AREA
 2. The above information is required for all the blocks in a district

Blockwise Villagewise details of existing infrastructure

C - 5

State

Scheme Code No. :

Name of District and Census Code

Sr.No.	Name of Block	Census Code (2001)	Sr.No. (Village)	Name of Village / habitation (Hamlet/Dhani/Tola/ Majra/Kara/Dalit Basti)	Census Code (2001)	Existing infrastructure								Name of feeding 33/11 KV sub-stations	Name of concerned 11 KV Feeder	
						33/11 KV SS	Length of 33 KV Line	Distribution Sub-stations			Length of 11 KV Lines	No. of LT Feeders	Length of LT Lines			
								Transformer Capacity	1-ph or 3ph	No. of Transformers			Configuration (1-ph, 3-Ph etc.)			Length of LT Lines
1	2	3	4	5	6	4	5	6	7	8	9	10	11	12	13	14
1	Block - 1		1	Village - 1 (Block-1)												
			(i)	Habitation - 1 (Vill-1)												
			(ii)	Habitation - 2 (Vill-1)												
				Sub-Total(Village-1)												
			2	Village - 2 (Block-1)												
			(i)	Habitation - 1 (Vill-2)												
			(ii)	Habitation - 2 (Vill-2)												
				Sub-Total(Village-2)												
															
				Sub-Total (Block - 1)												
2	Block - 2		1	Village - 1 (Block-2)												
			(i)	Habitation - 1 (Vill-1)												
			(ii)	Habitation - 2 (Vill-1)												
				Sub-Total(Village-1)												
			2	Village - 2 (Block-2)												
			(i)	Habitation - 1 (Vill-2)												
			(ii)	Habitation - 2 (Vill-2)												
				Sub-Total(Village-2)												
															
				Sub-Total (Block - 2)												
.....																
				Grand Total												

- Note :
1. Voltage level of the sub-transmission system viz. 33 kV may be changed appropriately as obtaining in the project area like 66 kV etc.
 - 2.. Habitation wise details are required to be furnished only for the existing distribution transformers in col. 6,7 & 8
 3. All other details may be furnished for the village as a whole.

SECTION - D

Scheme Proposal

Scheme Proposal : Blockwise electrification of habitations, rural households and BPL households and Public places / services proposed under present scheme

D - 1

State :

Scheme Code No. :

Name of District & Census Code :

Sr. No.	Name of Block	Census Code (2001)	Electrification of Habitations (Hamlet/Dhani/Tola/Majra/Kara)			Rural Households (RHH) Electrification (including BPL households)			Below Poverty Line Households (BPL HH) Electrification			Electrification of Public places / services			
			Balance no. of habitations to be electrified	Proposed No. of habitations to be electrified	Balance no. of habitations to be electrified in future	Balance no. of RHH to be provided access to electricity	Proposed No. of connections to be released to RHH	Balance no. of RHH to be connected in future	Balance no. of BPL HH to be electrified	Proposed No. of connections to be released to BPL HH	Balance no. of BPL HH to be connected in future, if any (Pl. also indicate reasons)*	Schools	Panchayat Office	Health Centres	Other (Pl. Specify)
			Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1															
2															
3															
....															
	Total														

* As per guidelines all balance BPL households are to be electrified. However, in case of any difficulty in electrifying all BPL HH, the reasons for the same may be indicated.

Scheme Proposal : Blockwise proposed infrastructure - sub-stations and line)

State :

D - 2

Name of District & Census Code :

Scheme Code No. :

Sr. No.	Name of Block	Census Code (2001)	Proposed Infrastructure												
			Augmentation of existing 33/11 KV S/S (N0 x MVA)		Length of 33 KV Line	Total No. of 11 KV feeders	Total Length of 11 KV Lines (feeders)	Distribution Sub-stations				Total No. of LT feeders	Total Length of LT Lines (feeders)		
			From	To				Kms	No.	Kms	Transformer Capacity		1-ph or 3-ph	No. of sub-stations	Total Dist. Transformer Capacity
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1								10	1-ph					1-ph*	
								16	3-ph						
								25	3-ph					3-ph*	
2								10	1-ph					1-ph*	
								16	3-ph						
								25	3-ph					3-ph*	
3								10	1-ph						
...								16	3-ph						
								25	3-ph						
	Total														

Note : 1. Voltage level of the sub-transmission system viz. 33 kV may be changed appropriately as obtaining in the project area like 66 kV etc.

* Please indicate actual as obtaining.

Scheme Proposal : Villagewise Proposed Infrastructure

D - 4

State

Scheme Code No. :

Name of District and Census Code

Sr.No.	Name of Block	Census Code (2001)	Sr.No. (Village)	Name of Village/ Habitation (Hamlet/Dhani/Majra/Kara/Dalit Basti)	Census Code (2001)	Proposed infrastructure								Name of feeding 33/11 KV sub-stations	Name of concerned 11 KV Feeder	
						Augmentation of existing 33/11 KV S/S (N0 x MVA)		Distribution Sub-stations			Length of 11 KV Lines	No. of LT Feeders	Length of LT Lines			
								Transformer Capacity	1-ph or 3ph	No. of Transformers			Configuration (1-ph, 3-Ph etc.)			Length of LT Lines
						From	To	KVA		No.	Kms	Nos.				Kms
1	2	3	4	5	6	4	5	6	7	8	9	10	11	12	13	14
1	Block - 1		1	Village - 1 (Block-1)												
			(i)	Habitation - 1 (Vill-1)		-	-				-	-	-	-	-	-
			(ii)	Habitation - 2 (Vill-1)		-	-				-	-	-	-	-	-
				Sub-Total(Village-1)												
			2	Village - 2 (Block-1)												
			(i)	Habitation - 1 (Vill-2)		-	-				-	-	-	-	-	-
			(ii)	Habitation - 2 (Vill-2)		-	-				-	-	-	-	-	-
				Sub-Total(Village-2)												
															
				Sub-Total (Block - 1)												
2	Block - 2		1	Village - 1 (Block-2)												
			(i)	Habitation - 1 (Vill-1)		-	-				-	-	-	-	-	-
			(ii)	Habitation - 2 (Vill-1)		-	-				-	-	-	-	-	-
				Sub-Total(Village-1)												
			2	Village - 2 (Block-2)												
			(i)	Habitation - 1 (Vill-2)		-	-				-	-	-	-	-	-
			(ii)	Habitation - 2 (Vill-2)		-	-				-	-	-	-	-	-
				Sub-Total(Village-2)												
															
				Sub-Total (Block - 2)												
				Grand Total												

- Note : 1. Voltage level of the sub-transmission system viz. 33 kV may be replaced appropriately as obtaining in the project area like 66 kV etc.
 2.. Habitation wise details are required to be furnished only for the proposed distribution transformers in col. 6,7 & 8
 3. All other details may be furnished for the village as a whole.

SECTION - E

Technical Data

**DETAILS OF EXISTING EHV SUB STATIONS FEEDING THE SCHEME AREA
(220 KV and 132 KV)**

E - 1

State :

Scheme Code No. :

Name of District and Census Code :

Sl. No.	Name of Existing EHV S/Stn.	Name of Block and Census Code	Voltage Ratio KV	Transformer capacity			Maximum Demand (Existing)	Additional Demand due to present sch.	Anticipated Maximum Demand after impl. of scheme	Remarks *
				No.	Cap in MVA	Total MVA	MVA	MVA	MVA	
1	2	3	4	5	6	7	8	9	10	11
1			220/132 132/33 132/11 33/11							
2										
3										
4										
.										
.										
TOTAL										

Note : 1. Voltage level of the sub-transmission system viz. 33 kV may be replaced appropriately as obtaining in the project area like 66 kV etc.

* Please indicate proposal for load shifting or augmentation, if any.

Details of existing 33 KV Feeders Emanating from EHV sub-stations

E - 2

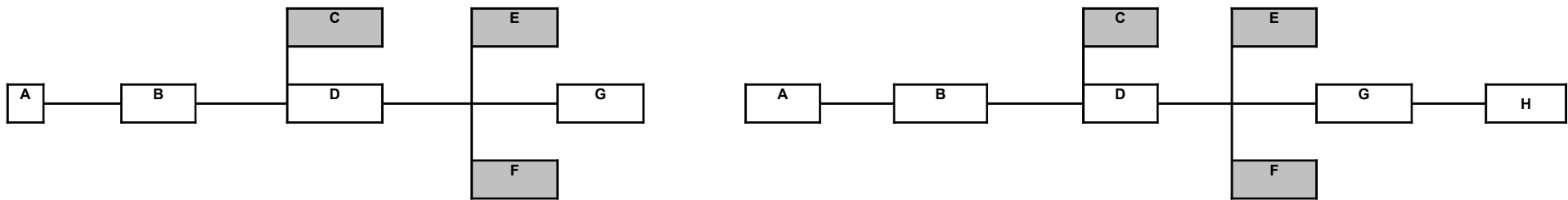
State

Scheme Code No. :

Name of District and Census Code

Name of EHV sub-station and voltage level (132 or 220 KV)

Sr. No.	Name of 33 KV Feeder	33 KV Line Section (Existing system with Existing Load)								33 KV Line Section (Modified system with Anticipated Load)											
		Line Section	Name of Originating sub-station	Name of Terminating sub-station	Type and Size of Conductor	Length of Section	Maximum Demand on section	% Voltage Regulation at Terminating sub-station	Annual Energy Losses in Section	Line Section	Name of Originating sub-station	Name of Terminating sub-station	Type and Size of Conductor	Length of Section	Maximum Demand on section	% Voltage Regulation at Terminating sub-station	Annual Energy Losses in Section				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
1	Feeder-1	A-B	A	B						A-B	A	B									
		B-D	B	D						B-D	B	D									
		D-G	D	G						D-G	D	G									
		Sub-Total (Feeder - 1)					-	-		G-H	G	H									
										Sub-Total (Feeder - 1)											
2	Feeder-2																				
		Sub-Total (Feeder - 2)					-	-		Sub-Total (Feeder - 2)											
										Sub-Total (Feeder - 2)											
		Grand Total (All feeders)									-	-		Grand Total (All feeders)							
										Grand Total (All feeders)											



Existing System Modified System
 Typical single line diagram of a 33 KV Feeder

■ Spur lines to be lumped at trunk feeder node.

- Note : 1. Voltage level of the sub-transmission system viz. 33 kV may be replaced appropriately as obtaining in the project area like 66 kV etc.
- 2. Separate sheet may be used for each of the EHV sub-station in a district.

Details of 11 KV feeders of Existing 33 /11 KV Sub-stations (Existing Status - Before implementation of present scheme)

E - 4

State

Scheme Code No. :

Name of District and Census Code

Sr. No.	Name of Block, Census Code and Longitude & Latitude	Sr.No. (Sub-station)	Name of 33 KV sub-station	Existing Power Transformer Capacity				Total Max. Demand (Existing)	11 KV Feeders								Distribution Transformer Capacity (Feeder wise)										
				Voltage Ratio	No. of Power Transformers	Capacity in MVA	Toal MVA Capacity		Feeder No.	Name of Feeder	Length of Feeder	Conductor Type, Name & Size	Max. Demand on feeder (Existing)	% Voltage Regulation	Annual Energy Loss	No. of Connected Villages	Capacity in KVA	No. of DTs	Total KVA Capacity								
1	2	3	4	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18								
1	Block : Census Code : Longitude : Latitude :	1							1								10*										
																							16*				
																								25*			
		2							1																10*		
																									16*		
																									25*		
2	Block : Census Code : Longitude : Latitude :	1							1																		
									2																		
.....																											

Note : 1. Voltage level of the sub-transmission system viz. 33 kV may be replaced appropriately as obtaining in the project area like 66 kV etc.

Details of 11 KV feeders of Existing 33 /11 KV Sub-stations (Modified Status - After implementation of present scheme)

E - 5

State

Scheme Code No. :

Name of District and Census Code

Sr. No.	Name of Block, Census Code and Longitude & Latitude	Sr.No. (Sub-station)	Name of 33 KV sub-station	Existing Power Transformer Capacity				Total Max. Demand (Existing)	11 KV Feeders								Distribution Transformer Capacity (Feeder wise)									
				Voltage Ratio	No. of Power Transformers	Capacity in MVA	Toal MVA Capacity		Feeder No.	Name of Feeder	Length of Feeder	Conductor Type, Name & Size	Max. Demand on feeder (Existing)	% Voltage Regulation	Annual Energy Loss	No. of Connected Villages	Capacity in KVA	No. of DTs	Total KVA Capacity							
1	2	3	4	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18							
1	Block : Census Code : Longitude : Latitude :	1							1								10*									
																					16*					
																						25*				
		2																								
2	Block : Census Code : Longitude : Latitude :	1							1																	
									2																	
.....																										

Note : 1. Voltage level of the sub-transmission system viz. 33 kV may be replaced appropriately as obtaining in the project area like 66 kV etc.

Augmentation of conductor size of existing 33 KV feeders proposed under present project

E - 6

State

Scheme Code No. :

Name of District and Census Code

Sr. No.	Name of Block and Census Code	Name of new line/Section		Source Sub-station	Connecting sub-station	Conductor Size/ Name	Length (Km)
		From (Location)	To (Location)				
1	2	3	4	5	6	7	8
1	Block : Census Code :						
Sub-Total							
2	Block : Census Code :						
Sub-Total							
.....							
Grand Total							

Details of new 11 KV lines proposed for erection under present project

E - 7

State

Name of District and Census Code

Scheme Code No. :

Sr. No.	Name of Block and Census Code	Name of 33/11 KV Substation	Name of 11 KV Feeder	Section of feeder		Conductor Size and Name	Addl. Length of line to be erected (KM)
				From Location	To Location		
1	2	3	4	5	6	7	8
1	Block : Census Code :						
Sub-Total							
2	Block : Census Code :						
Sub-Total							
Grand Total							

Augmentation of conductor size of existing 11 KV feeders proposed under present project

State

E - 8

Name of District and Census Code

Scheme Code No. :

Sr. No.	Name of Block and Census Code	Name of Feeder		Voltage Level (KV)	Augmentation of conductor		Length involved (Ckt.Km)	Remarks	
		From Location	To Location		From (Name/Size)	To (Name/Size)			
1	2	3	4	5	6	7	8	9	
1	Block : Census Code :								
Sub-Total									
2	Block : Census Code :								
Sub-Total									
Grand Total									

Details of Existing distribution system - Before implementation of the scheme

E - 9

State

Scheme Code No. :

Name of District and Census Code

Sl. No.	Name of Block and Census Code	Name of Existing HV S/Stn.	Voltage Ratio	Name of 11KV Feeder	Total Connected Load KVA	Length of 11 KV line	DTs connected		No. of Connected Villages	Total LT line length	HT/LT ratio col 6/ col 9	Average LT line per transformer (Km/T/F)	Ratio of CL to DT capacity	Max. VR of LT feeder	Total LT losses Lus
							No.	KVA							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				1				10*							
				2				16*							
				3				25*							
				4				10*							
				1				16*							
				2				25*							
				3				10*							
				4				16*							
				1				25*							
				2				10*							
				3				16*							
				4				25*							

* Please indicate actual as obtaining.

Details of Proposed distribution system - After implementation of the scheme

E - 10

State

Scheme Code No. :

Name of District and Census Code

Sl. No.	Name of Block and Census Code	Name of Existing HV S/Stn.	Voltage Ratio	Name of 11KV Feeder	Total Connected Load KVA	Length of 11 KV line	DTs connected		No. of Connected Villages	Total LT line length	HT/LT ratio col 6/ col 9	Average LT line per transformer (Km/T/F)	Ratio of CL to DT capacity	Max. VR of LT feeder	Total LT losses Lus
							No.	KVA							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				1				10* 16* 25*							
				2				10* 16* 25*							
				3				10* 16* 25*							
				4				10* 16* 25*							
				1											
				2											
				3											
				4											
				1											
				2											
				3											

* Please indicate actual as obtaining.

Energy Loss Status

E - 11

State

Scheme Code No. :

Name of District and Census Code

Sl. No.	Name of Block and Census Code	System Voltage Level	Annual Energy Loss (LU)		
			Existing System with Existing Demand	Proposed System with Anticipated Demand	Incremental Loss on implementation of scheme (4-3)
1		2	3	4	5
1		66			
		33			
		11			
		LT			
Sub-Total					
2		66			
		33			
		11			
		LT			
Sub-Total					
Grand Total					

SECTION - F

Business Plan and Financial Analysis

Business Plan - Categorywise Anticipated no. of Consumers, Connected Load, Proposed Tariff Structure and Anticipated Revenue

F - 1

State

Scheme Code No. :

Name of District and Census Code

Category * : Domestic / Commercial / Agriculture / Small Industries / Water Works / Street Light etc.

For Base YearAssumptions :

Energy Charges per Kwh (Rs.) :

Average Connected Load (KW) :

Fixed Charges per month per consumer :
(Meter Rent, Service charges etc.)

Diversity Factor ;

Billing Frequency (Monthly / Bi-monthly) :

House of usage :

Tariff Revision Frequency (Annual / After 2 years) :

Anticipated increase in tariff on revision (%) :
(% increase over previous year)

Sr.No.	Year --> Item Particulars	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	No. of Consumers															
2	Total Conncted Load (MW)															
3	Total Demand (MW)															
4	Total Energy Demand (Lus)															
5	Total Fixed Charges (Rs. Lakh)															
6	Total Energy Charges (Rs. Lakh)															
7	Total Revenue (Rs. Lakh)															

* The above information is to be provided for each category of consumers separately and a abstract of all categories.

Business Plan - Categorywise details of anticipated Revenue from other sources like registration charges, service connection charges etc.

F - 2

Scheme Code No. :

State

Name of District and Census Code

Category * : Domestic / Commercial / Agriculture / Small Industries / Water Works / Street Light etc.

For Base Year

Registration charges per Consumer (Rs.) :

Service Connection Charges per Consumer (Rs.) :

Security Deposit per Consumer (Rs.) :

Other charges, if any (Pl. Specify) :

Sr.No.	Year --> Item Particulars	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	No. of Consumers															
2	Total Registration Charges (Rs. Lakh)															
3	Total Connection Charges (Rs. Lakh)															
4	Total Security Deposit (Rs. Lakh)															
5	Total Revenue (Rs. Lakh)															

* The above information is to be provided for each category of consumers separately and a abstract of all categories.

Note : Anticipated increase in above charges over 15 years, if any, may also be considered.

Business Plan - Cost of Bulk Power**F - 3**

Scheme Code No. :

State

Name of District and Census Code

Sr.No.	Year -->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Item Particulars															
1	Total Energy Demand (Lus)															
2	T & D Loss (Lus)															
3	Total Input Energy (Lus)															
4	Bulk Supply Tariff (Rs./Kwh)															
5	Total Cost of Bulk Power (Rs.Lakh)															

Note : Anticipated increase in bulk supply tariff over 15 years, if any, may also be considered.

G

Detailed cost estimate for each of the item* covered under the project
 (Ref. : Project Formats - Section 'B' and Other Attachments - G)

Name and description of item :

Ref. No. :
 (Please refer Section 'B')

Sr. No.	Particulars	Unit	Unit Rate	Quantity	Amount
1	2	3	4	5	6
A.	Material **				
1					
2					
3					
.....					
	Sub-Total (A)				
B.	Installation/ Construction/ Erection and Commissioning				
1					
2					
3					
.....					
	Grand Total (A+B+C or D)				

* Items like 11 KV line, LT line, Distribution Transformer (DTS), 33/11 KV sub-station etc.in separate sheets.

** Including sales tax, excise duty, freight & insurance, octroi and other levies etc.