Annexure-I: Data Requirement Templates

Data template for demand forecasts for state and its distribution licensees as following:

Dema	nd Forecast (Summary Statement for State and All DISCO	(Name of Discom:)								
	Dortioulors		<u> </u>	\ <u></u>	Current	YoY growth rate/CAGR as				
S.No			Actual of Previous Years Yr _(n-1) Yr _(n-2) Yr _(n-3)			applicable (%)	Projections			
			Yr _(n-2)	Yr _(n-3)	Year (n)	11	Yr _(n+1)	Yr _(n+2)	Yr _(n+10)	
1	Energy Sale(MUs)(Consumer category wise as per Retail									
	Supply Tariff Order)									
	Domestic									
	Commercial									
	LTIS									
	IAS									
	HT									
	HTS									
	HTSS									
	HT Institutional									
	SS									
2	Total Energy Sale (MU)- (Cumulative of all consumer									
	categories excluding Open Access Sales)									
3	Total Energy Sale (MU)- (Cumulative of all consumer									
	categories including Open Access									
	sales									
4	YoY growth rate for total energy Sales (%) (excluding 0-4)									
5	YoY growth rate for total energy Sales (%) (including 04)									
6	Distribution losses - in %									
7	Distribution losses - in MU									

		Actual of Previous Years			Current	YoY growth rate/CAGR as	Projections			
S.No	Particulars	$Yr_{(n-1)}$ $Yr_{(n-2)}$ $Yr_{(n-2)}$			Year (n)	applicable (%)	Yr _(n+1)	Yr _(n+10)		
8	Supply/Requirement at DISCOM Boundary (MU)	11 (11-1)	11 (n-2)	11 (11-3)			11 (11+1)	Yr _(n+2)	11 (11+10)	
9	Intra-State Transmission losses - in %									
10	Intra-State Transmission losses - in MU									
11	Supply/Requirement at State Boundary (MU)									
12	Inter-State Transmission losses - in %									
13	Inter-State Transmission losses - in MU									
14	Ex-Bus Requirement of DISCOM (MU) (excluding OACs, Railways) - RESTRICTED									
15	Sale by SLDC to SEZ (as applicable)									
16	Energy Wheeled for Railways/OA Consumers (as applicable)									
17	Ex-Bus Requirement of DISCOM (MU) (including OA, Railways) -RESTRICTED									
18	Unsupplied energy due to system constraints (MU)									
19	Ex-Bus Requirement of DISCOM (MU) (excluding OA, Railways) - Unrestricted									
20	Ex-Bus Requirement of DISCOM (MU) (including OA, Railways) - Unrestricted									
21	System Load Factor									
22	Peak load of DISCOM (MW) (excluding OA, Railways)									
23	Peak load of DISCOM (MW) (including OA, Railways)									

Data template for historical load, RE installed capacity, and RE generation data in hourly resolution as following:

Year	Month	Day	Hour	Load(MW)	Solar IC(MW)	Solar Gen (MW)	Wind IC (MW)	Wind Gen (MW)	Hydro IC (MW)	Hydro Gen (MW)

Data template for technical and financial characteristics of each generating station as following:

S.N o	Generating Stations	Resource Type	Installed Capacity (MW)	Allocated Capacity (MW)	Commissio ning Year	Expected Retiremen t Year	Fixed Cost(Rs/k W/Yr)	Variable Cost(Rs/k Wh)	Heat Rate (at full load)	Ramp Rate(Mw/m in)	Start up cost (Rs)	Start up time (H)	Planned Maintena cne	Forced Outag e	PLF (%)	Date of Signing of PPA	Date exp of P	e of iry PA
1	Central Generating Station																	
2	State Generating Station																	
3	Hydro																	
4	Renewable																	
5	IPP																	

Data template for peak demand and energy requirement projections of all Discoms :

Source	Source Discom1			Discom2	Con	sumer1	Cons	sumer2 etc
Unit	MUs	Peak MW	MUs	Peak MW	MUs	Peak MW	MUs	Peak MW
Yr ₁								
Yr ₂								
Yr ₃								
Yr ₁₀								
