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Technical Feasibility Report
(To be issued by APDCL)

Name of Sub Division: Tezpur ESD-II
Consumer Number: 6300000001309
Meter No:

Application Number: TESD/SOLAR/001
-II

Technical Feasibility Report on proposed installation of Grid connected Solar rooftop PV plant

Sl. No	Description	Observation of field official
A	**Applicant Details**	
1	Name of the Applicant	Dr. Biren Das (Registrar)
2	Address of Applicant	Tezpur University Napaam : 784-028
3	Category of consumer as per applicable tariff	HT- Bulk Education
4	Type of existing connection: 1ph LT or 3 ph , LT/HT	3Phase, HT 3ph 4 wire CTPT operated
5	Type of Metering (Please tick)	1. Single phase 2 wire whole current static LT meter 2. 3 phase 4 wire Static Trivector LT Meter 3. 3 phase 4 wire CT Operated Trivector Meter 4. HT Metering ✓
	Metering arrangement	1. Prepaid 2. Postpaid ✓
6	Sanctioned Load in kW / Contract demand in KVA	2000Kw 1500 KW
7	Type of building	1. Assam Type 2. ✓ Multistoried Building 3. Apartment 4. Others
	Nearest Pole Number:	
B	**Distribution Transformer Details**	
1	Location	Tezpur University
2	Transformer No	00PPG001/1 & 00PPG001/2
3	Capacity in KVA	2500 Kva & 2500 Kva
4	Total Connected load in kW	2000 Kw
5	Peak Load of the Transformer/ DTR(KW)	1347 KW
6	Aggregate capacity of Solar Rooftop PV(SRTPV)system already connected in kWp in the building/ premise	—
7	Proposed SRTPV capacity in kWp*	1000 Kwp
8	Total aggregate capacity in the building / premise in kWp(6+7)	1000 KWp

Sub-Divisional Engineer
Tezpur Elect. Sub-Division II
APDCL, Tezpur

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9	Whether the transformer capacity is adequate to deliver the proposed SRTPV system in addition to existing solar RTPV systems as per AERC Regulations.**	✓ Yes / No
10	Mode of execution(Please Tick)	1. CAPEX 2. RESCO ✓ 3. Others
C	**Connecting Feeder Details**	
1	Name of the ~~11~~ 33kV feeder	Tezpur University
2	Feeder Number	
3	Name of the 33/11kV Sub-Station	
4	Type of the conductor/cable (size)	Wolf.
5	Total connected load in the feeder in KW	1500 KW
6	Aggregate capacity (kWp) of SRTPV systems already connected in the feeder	0
7	Peak load of the feeder in KW	1347 KW
8	Proposed SRTPV installation is technically feasible in the existing feeder ✓ Yes / No (if it is not feasible, tick the reasons) (i) Overloading of transformer (ii) Conductor constraints in the feeder (iii) Applied aggregate solar panel capacity is more than 80% of connected load (iv) DTR already attains allowable 20% peak load on account of SRTPV installations / capacity addition (v) Outstanding revenue liability not cleared (vi) Connected load is not adequate for eligibility of installation Minimum allowable SPV capacity plant of 1 KW(shall be within 80% of connected load) (vii) Proposed SRTPV installation capacity exceeds allowable Maximum capacity of 1 MW (viii) Inadequate shadow free area for installation of solar panel (ix) Others , if any	feasible.

NB: (i) * The solar panel capacity of the consumer shall be within 80% of connected/contracted demand
(ii) **The cumulative solar panel capacity of all such consumers connected to the Transformer/DTRis limited to 20% of the peak capacity of the Transformer/DTR

I hereby certify that the above said SRTPV installation is technically ✓ feasible/not feasible /feasible with 1000 KW capacity.

Signature and Name
SDE,
.....Electrical Sub - Division,APDCL

Sub-Divisional Engineer
Tezpur Elect, Sub-Division II
APDCL, Tezpur