SCHEDULE 2: TECHNICAL LIMITS

1. The nominal steady state electrical characteristics of the system are as follows:
   a) three phase alternating current at 50 Hertz plus or minus 0.5 Hertz
   b) nominal voltage of ___ KV with +10% to – 12.5% variation.

2. The Project shall be designed and capable of being synchronized and operated within a frequency range as per relevant Grid Code and voltage of ____ KV
3. Operation of the Project outside the nominal voltage and frequency specified above will result in reduction of power output consistent with generator capability curves.

SCHEDULE 3: APPROVALS

1. Consent from the CTU/STU /DISCOM for the evacuation scheme for evacuation of the power generated by the MW Solar Photovoltaic Grid Interactive Power Projects.
2. Approval of the CEA/ Electrical Inspectorate, Government of Maharashtra for commissioning of the transmission line and the solar project installed at the Project Site.
3. Certificate of Commissioning of the Solar Photovoltaic Grid Interactive Power Project issued by CTU/STU/MSEDCL/SLDC/MEDA.
4. SNA/MEDA registration certificate.
5. Permission from all other statutory and non-statutory bodies required for the Project.
6. Clearance from Department of Forest, Ecology and Environment, if applicable.

Appendix-A-1

i) The Power Producer shall give to the concerned RLDC/SLDC, State Nodal Agency (SNA) and MSEDCL at least Thirty (30) days advance written notice, of the date on which it intends to synchronize the Power Project to the Grid System. The Power Producer shall be solely responsible for any delay or non-receipt of the notice by the concerned agencies, which may in turn affect the Commissioning Schedule of the Project.

ii) A Solar PV Project will be considered as commissioned if all equipment as per rated project capacity has been installed and energy has flown into the grid.

iii) Power Producer shall ensure that the equipment up to the rated Capacity has been installed and completed in all respects before the Scheduled Commercial operation Date.

iv) **Documents to be submitted to MSEDCL within 30 days after synchronization:**

The Power Producer shall have to submit the hardcopies to MSEDCL:

1. Covering Letter
2. Board resolution for authorized signatory.
3. Invoice of the major equipment (including but not limited to modules, Inverters/PCUs, Weather Monitoring Stations/ DC Cables and for all the equipment's).
4. All supporting documents towards meeting the technical compliance along with datasheet/ warranty certificates/ contract agreement etc. as mentioned in Annexure-A.
5. Installation report duly signed by the authorized signatory as per Appendix-A-2
6. Plant Layout clearly mentioning the details of rows and number of modules in each row.
7. Electrical inspector report along with all annexures/attachments. It would be the responsibility of the Power Producer to collect the certificate.
8. Power Producer shall ensure Connectivity to the grid from concerned CTU/ STU/ Transmission Utility/DISCOM. Connectivity report as per the Appendix-A-3
9. Synchronization Certificate as per prescribed format issued by respective CTU/STU/Transmission Utility/DISCOM for ascertaining injection of power into grid as per Appendix-A-4.
10. Relevant document from SLDC/ RLDC acknowledging successful data communication between plant end and SLDC/RLDC.

v) In case any additional supporting/revised documents are asked by MSEDCL, the same have to be submitted/uploaded by the Power Producer.

vi) The power producer shall have to submit commissioning date along with commissioning order issued by State Nodal Agency/State Utility.

vii) Early Commissioning of a Solar Project prior to the scheduled commissioning date is permitted on acceptance of power by MSEDCL. In order to facilitate this, shall inform the concerned RLDC/SLDC and MSEDCL well in advance the date on which it intends to synchronize the Power Project to the Grid System. The POWER PRODUCER shall be required to give an advance notice of at least 90 days prior to the proposed commissioning date.

xi) Joint Meter Reading (JMR) shall be taken at Delivery Point and Pooling Substation (if applicable)/plant premise at the time of connectivity of the Project with Grid. This shall include information of respective meters installed at delivery/ interconnection point and pooling substation/plant premises.

Appendix-A-2

(To be provided by POWER PRODUCER and to be submitted at least 10 days prior to commissioning date)

Sr. No.	Capacity of the Project (MW)	
	Capacity already commissioned (MW)	
	Capacity proposed to be commissioned (MW)	
I.	Technology used (Mono/Multi Crystalline / thin film / Others; please specify along with capacity of each type)	
II.	Rating of the each module (Wp)	
III.	Angle from horizontal at which array is installed	
IV.	Number of modules installed of each type	
V.	Source(s) of the cells installed of each type	
VI.	Source(s) of the Modules installed of each type	
VII.	Number of PCUs / Inverters installed	
VIII.	Source of the PCUs / Inverters (Name of supplier with address)	
IX.	Rating of PCUs / Inverters	
X.	Date of installation of full capacity (as per capacity proposed to be commissioned)	-------
	PV arrays	
	PCUs / Inverters	
	Transformers	
	Documents / Lease Agreement to establish possession / right to use 100% (hundred per cent) of the required land in the name of solar power generator for a period not less than the complete term of PPA.	

Appendix-A-3

(To be provided by concerned CTU/STU/Transmission Utility/Discoms)

This is in compliance to the office order of the -----,------ Discom, <Place> issued vide office order <No.><dated>, the committee constituted vide said order has completed the work for commissioning of <kV> Bay & Metering Equipment to interconnect the <MW> Solar Power Generation Plant (having <technology>) with Grid installed at <Village>, <Tehsil>, <District> in the <State> on <date>. The details of Solar Power Plant are as under:-

S. No	Name of Solar Power Developer & Location	Capacity Mentioned in PPA	Connectivity	Details of Solar Power Plant (Transformer, Inverter, Modules, Switchgear)
	<M/s> <Village> <Tehsil> <District	<> MW	Metering Detail at Delivery Point (<Village>) S.No. of <kV> CT i) <R-Phase> ii) <Y-Phase> iii) <B-Phase> S.No. of < kV> PT i) <R-Phase> ii) <Y-Phase> iii) <B Phase> S.No. of Main<ABT> Meter> S.No. of Check <ABT Meter> Metering Equipment installed at Receiving end on dated: <> 33 kV GSS, <>, <>, (<Distt.>)	Transformer <Make/Type:> <Sr. No.> Inverters <Make/Type:> <Sr. No.> Modules <Make: > <W>, < W > <Total: Nos.> Switchgear Panels <Make/Type:> <Sr. No.> Protection Provided: Under/Over voltage, Over current & Earth fault

The Commissioning date of various equipment is as under:

<kV> line from --- to -----, completed on date -----.

Line Bay at < kV > GSS, ------ charged for ---- on -----.

<kV> line charged from ------to-------- on date------.

Main & check metering commissioned on …… (initial record of main/Check meters at the time of Commissioning is to be taken and enclosed)

Complete system commissioned on date--------

The Joint Inspection Report of metering arrangement & copy of permission of Electrical Inspector is enclosed herewith.

Appendix-A-4

Sample Synchronization Certificate

It is certified that ----- MW (Capacity) Solar Photovoltaic Power Project of M/s. -----,Village - ------ Tehsil/Taluka --------, District ---------- was Grid connected on ……. (Date) at---------- Hrs.

It is further certified that the Project was synchronized and supply of power into the grid from the Project connected on …… (Date) at -------- Hrs.

The above certificate is issued on the basis of MRI record.
NB:
(i) The above certificate shall be issued by concerned CTU/ STU/ Transmission Utility/Discoms
(ii) Copy of duly signed MRI is to be enclosed.

SCHEDULE 4: SPECIFICATION OF ELECTRICAL ENERGY DELIVERY

1. The generation voltage from the Solar Photovoltaic Grid Interactive Power Project of M/s. is KV. It uses unit connection of generator, generator transformer and unit transformer.

2. The generated power at ___KV will be stepped up to _KV at the Project Site and connected __ KV at for the purpose of interconnection with the Grid System.

SCHEDULE 5:

Details required from Vendor

Sr No	Particulars	Vendor Information
1	TITLE_MEDI Mr/Ms/Company/SSI	
2	Name of the company /Firm	
3	Name of the Proprietor	
4	Street	
5	Postal Code (Pin Code)	
6	City	
7	Telephone No	
8	Mobile Phone No	
9	E-Mail	
10	Payt Terms (to work due date from bill)	
11	Payment methods (Cash/RTGS/DD/Chq/etc)	
12	TAN Number	
13	PAN Number	
14	GST Number	
15	M-VAT Number	
16	Service Tax Number	
17	Bank name	
18	Branch	
19	Bank A/c Number	
20	Beneficiary/Account Holder Name	
21	IFSC Code	
22	MICR Code	
23	Nature of transaction (contract, Rent, profession fees, etc)	
24	Section under which TDS is deducted	
25	Receipient Type (Company, Individual, Partnership firm, HUF or other)	