



No. 11/32/2020-Th.I
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg
New Delhi, dated the 13th April 2022

To,

- 1. Chief Secretaries of all States /Union Territories .**
- 2. Additional Chief Secretary/Principal Secretary/Secretary (Energy/Power) of all States /Union Territories .**

Sub:- Seeking Expression of Interest (EoI) for setting up a manufacturing zone on pilot basis for Power & Renewable Energy Sector- Implementation Frame Work-reg.

Respected Sir/ Madam,

It may please be noted that Ministry of Power has issued orders on 14th March 2022 conveying implementation of a Scheme for Setting up a Manufacturing Zone for Power and Renewable sector on pilot basis with a budgetary outlay of Rs.400 crore over a period of five years, as per the approval by the Standing Finance Committee in its meeting held on 24.01.2022. This is Central Sector Scheme and the duration of the Scheme is five (5) years from FY 2022-23 to FY 2026-27.

2. The Expression of Interest (EOI) for setting up a manufacturing zone for Power & Renewable Energy Sector has been hosted on the websites of Ministry of Power and MNRE and it is requested to consider participating for submission of EoI by 8th June 2022. Copy of the EOI is enclosed. The EOI is invited at following address:-

Sh. Vivek Kumar Dewangan
Additional Secretary
Ministry of Power, Room No. 413
Shram Shakti Bhawan,
New Delhi —110001
Phone: 23710171
Email: as1-power@gov.in

3. This issues with the approval of Competent Authority.

Encl: As above.

(Anoop Singh Bisht)

Under Secretary to the Govt. of India
Ph. 011-2371-9710

Copy for information to:

1. PS to Hon'ble Minister of Power and NRE
2. PS to Hon'ble Minister of State for Power
3. PS to Hon'ble Minister of State New & Renewable Energy.

Copy also for information to:

1. Sr. PPS to Secretary (P)/Secretary(MNRE)
2. PPS to Additional Secretaries of MoP & MNRE
3. PPS to EA/AS&FA, Ministry of Power/MNRE
4. PS to JS in Ministry of Power/MNRE



(Anoop Singh Bisht)

Under Secretary to the Govt. of India



GOVERNMENT OF INDIA
MINISTRY OF POWER



GOVERNMENT OF INDIA
MINISTRY OF NEW
AND RENEWABLE ENERGY

Expression of Interest

For

**Setting up Manufacturing Zone for Power and Renewable Energy
Equipment (Pilot Project)**

EOI No: [11/32/2020-Th.I]

Date: April 13, 2022

Issued by:

Ministry of Power, Government of India

Address:

Sh. Vivek Kumar Dewangan,
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Disclaimer

The information contained in this EOI or any other information provided to Proposers, whether verbally or in writing or in any other form by or on behalf of the EOI Process Authority and its employees or advisors is provided to Proposers on terms and conditions set out in this EOI and such other specific terms and conditions subject to which such information is provided.

This EOI is not an agreement by itself and is neither an offer nor an invitation by EOI Process Authority to Proposers or any other Person. The purpose of this EOI is to set the terms for the selection process and to provide Proposers with information that may be useful to them in preparation and submission of their Proposals.

This EOI includes statement which reflect various assumptions and assessments arrived at by the EOI Process Authority and its employees or advisors. Such assumptions, assessments and statements do not purport to contain all information that Proposers may require. The information contained in this EOI may not be appropriate for all persons and it is not possible for the EOI Process Authority and its employees or advisors to consider the data requirements, investment objectives, financial situation and particular needs of each Person who reads this EOI. The assumptions, assessments, statements and information contained in this EOI may not be complete, accurate, adequate or correct. Each Proposer should therefore conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this EOI.

The information provided in this EOI to Proposers is on a wide range of matters, some of which may depend upon interpretation of the law. The information given is not intended as a complete or authoritative statement under any law. The EOI Process Authority and its employees and advisors accept no responsibility or otherwise any obligation on any interpretation or opinion on laws expressed in this EOI.

Except as specifically provided in this EOI, the EOI Process Authority and its employees and advisors make no representation or warranty, expressed or implied, and shall have no liability to any Person, including any Proposer, under any law, statute, rules or regulations or contract or tort or any principle of restitution or unjust enrichment or otherwise for any loss, damage, cost or expense which may arise from or that may be incurred or suffered on account of or in connection with anything contained in this EOI, including the accuracy, adequacy, correctness, completeness or reliability of this EOI and any assessment, assumption, statement or information contained in this EOI or deemed to form part of this EOI or otherwise supplied or arising in any way from the selection process.

It shall be deemed that by submitting Proposal, a Proposer agrees and releases the EOI Process Authority and its employees, agents and advisers, irrevocably, unconditionally, fully and finally from any and all liability for any claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights or performance of any obligations under this EOI or in connection with the EOI Process, to the fullest extent permitted by Applicable Law and waives any and all rights or claims it may have in this respect, whether actual or contingent, whether present or in the future.

The EOI Process Authority and its employees and advisors also accept no liability of any nature, whether resulting from negligence or otherwise, arising from reliance of any Proposer upon the content of this EOI. The EOI Process Authority may, in its absolute discretion but without being under any obligation to do so, update, amend or supplement the information, assessment, statement or assumptions contained in this EOI.

The issuance of this EOI does not imply that the EOI Process Authority is bound to qualify any Proposer or to select any Proposer for the stated purpose. The EOI Process Authority reserves the

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right to reject all or any of the Proposals or cancel or withdraw the entire EOI process without assigning any reasons whatsoever and without any liability.

This EOI, along with its Annexures, is not transferable. The EOI and the information contained therein is to be used only by the person to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient's professional advisors).

1. Definitions and Interpretations

1.1. Definitions

1.1.1. The words and expressions beginning with capital letters and defined in this EOI shall, unless the context otherwise requires, have the meaning ascribed thereto herein.

Act	shall mean (Indian) Electricity Act, 2003 and amendments issued thereof;
Addendum or Addenda	shall mean an addendum or addenda to this EOI;
Address	shall mean the address as per Clause 2.6.6;
Annexure	shall mean an annexure to this EOI;
Appropriate Commission	shall mean the Central Electricity Regulatory Commission referred to in sub-section (1) of section 76 of the Electricity Act 2003, or the State Electricity Regulatory Commission, referred to in section 82 of the Electricity Act 2003 or the Joint Commission referred to in section 83 of the Electricity Act 2003 or any other regulatory commission or authority established under the Electricity Act 2003, as the case may be;
Authorized Signatory	shall refer to the person duly authorized by Competent Authority in the State Government to sign Proposal on behalf of Proposer;
Clause	shall mean a clause of this EOI;
Common Infrastructure Facility or CIF	shall mean the common facilities which shall be provided by SPV for setting up manufacturing units in the Manufacturing Zones. List of the indicative activities under the common facilities/ centres are mentioned in Annexure 6.4. However, Proposer are expected to provide basic common infrastructure facilities as mentioned in Annexure 6.4;
Common Testing facility or CTF	shall mean establishment of testing laboratory as per NABL/CPRI/ International/National standards to meet National and International level testing requirements. The indicative activities under the common facilities/ centres are mentioned in Annexure 6.5;
Companies Act	shall mean the (Indian) Companies Act, 2013, as amended from time to time, and any previous Companies Act in India as the context may require;
Company	means a company incorporated under the Companies Act;
Consents, Clearances and Permits	shall refer to all such authorizations, licenses, approvals, registrations, permits, waivers, privileges, acknowledgements, agreements, or concessions required to be obtained from or provided by any concerned authority for the development, execution and performance as a distribution licensee by the SPV, including without any limitation on the construction, ownership, operation, and maintenance of the distribution assets and system;
CPRI	shall mean Central Power Research Institute;
Distribution Licensee	shall have the same meaning as defined in the Act;
Eligible Manufacturing Units	shall mean renewable and power equipment manufacturing units who are eligible to establish their facility in the Manufacturing Zone as mentioned in Annexure 6.3;
EOI	shall mean this Expression of Interest document along with all schedules, annexures and shall include any modifications, amendments or alterations or clarifications thereto;

EOI Process	shall mean the process undertaken by EOI Process Authority to select a Proposer for "Setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)" as per the terms and conditions set out in this EOI;
EOI Process Authority	shall mean Ministry of Power for carrying out the EOI Process for selection of Proposer for "Setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)";
EOI Schedule	shall mean the schedule of EOI Process set out in Clause 2.6.5, as may be amended from time to time;
Financial Year	shall mean each 12-month period commencing on 1 st of April of a calendar year and ending on 31 st of March of the next calendar year;
Manufacturing Zone	shall mean a designated contiguous area of land with CIF and CTF for the manufacturing and testing of renewable and power equipment;
MoP	shall mean Ministry of Power;
MNRE	shall mean Ministry of New and Renewable Energy;
NISE	shall mean National Institute of Solar Energy;
NIWE	shall mean National Institute of Wind Energy;
Person	means any individual, company, corporation, partnership, joint venture, trust, society, sole proprietor, limited liability partnership, co-operative society, government company, unincorporated organization or any other legal entity;
Pre-EOI Meeting	shall mean the meeting to be held in accordance with Clause 3.5;
Project	shall mean setting up Manufacturing Zone including CIF and CTF for power and renewable energy equipment;
Project Cost	shall mean the cost of establishing CIF and CTF in a Manufacturing Zone;
Project Management Agency or PMA	shall have the same meaning as ascribed in Clause 2.3.3 of this EOI;
Proposal	shall mean the required documents submitted by the Proposer in response to this EOI, in accordance with the terms and conditions hereof;
Proposal Due Date	means the last date and time for submission of the Proposal as specified in the EOI Schedule and as extended from time to time in accordance with Clause 2.6.5 of this EOI;
Proposer	shall mean State Government or SPV in partnership with State Government who will submit Proposal for setting up Manufacturing Zone in their State;
Rupee or INR	means Indian Rupee, the lawful currency of India;
Scheme	shall have the same meaning as ascribed in Clause 2.1.3 of this EOI;
Scheme Steering Committee or SSC	shall have the same meaning as ascribed in Clause 2.3.2 of this EOI;
Special Purpose Vehicle or SPV	shall mean the company incorporated by the State/to be incorporated by the State for setting up the Project;
State	shall mean State or Union Territory of Republic of India;

Successful Proposer	shall mean the Proposer selected pursuant to this EOI Process for setting up of Manufacturing Zone for power and renewable energy equipment.
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1.2. Rules of Interpretation

1.2.1. In this EOI

- (a) Table of Contents, headings and sub-headings are for convenience only and shall not affect construction and interpretation of this EOI;
- (b) the singular includes the plural and vice versa;
- (c) references to Articles, Sections, Clauses, Schedules, Appendix and Annexure are, unless the context otherwise requires, references to Articles, Sections, Clauses, Schedules, Appendix and Annexure of this EOI;
- (d) "includes" and "including" shall mean "including without limitation" or "but not limited to" whether or not they are followed by such phrases;
- (e) reference to any law or regulation having the force of law includes amendments, modifications, supplements, extensions or re-enactments thereof in future;
- (f) Any reference to time is a reference to the time in India.

2. Project Details

2.1. Background

- 2.1.1. Power Sector plays a vital role in the economic and industrial growth of the country. Reliability, availability of 24x7 quality power at reasonable price is the key to industrial growth in the country. The disruption of power supply can have significant adverse impact on any industry.
- 2.1.2. The growth of Indian Power Sector in last decade has been impressive. However, India is largely reliant on imports to meet its growing domestic demand of power and renewable energy equipment and this trend is likely to continue unless domestic capacity is ramped up with suitable policy support. The target of 450 GW of Renewable Energy capacity offers a tremendous opportunity to create skilled jobs, bring about technology transfer, and contribute to the Make in India campaign, in addition to reducing the country's trade deficit and reliance on imports.
- 2.1.3. MNRE and MoP have therefore jointly proposed a scheme for establishment of three (3) Manufacturing Zones (two (2) Brownfield Manufacturing Zones already having developed land and a Greenfield Manufacturing Zone in a coastal area) in the country ("**Scheme**") with a total financial outlay of Indian Rupees One Thousand Crore (INR 1000,00,00,000.00).
- 2.1.4. The proposed funding of Indian Rupees One Thousand Crore (INR 1000,00,00,000.00) for the two (2) Brownfield Manufacturing Zones and one Greenfield Manufacturing Zone has been kept flexible for supporting CIF and CTF with a ceiling of Indian Rupees Four Hundred Crore (INR 400,00,00,000.00) in any Manufacturing Zone. The duration of the Scheme is five (5) years from FY 2021-22 to FY 2025-26.
- 2.1.5. The State Governments or SPV in partnership with State Government will submit Proposals for setting up a Manufacturing Zone in the State.
- 2.1.6. Proposer State/ SPV will be responsible for preparation of the DPR and creation of CIF and CTF in selected Manufacturing Zone.
- 2.1.7. The grant in aid will be provided for creation of CIF/CTF for operationalization of the Manufacturing Zone.

2.2. Objectives of the Process

- 2.2.1. The EOI Process Authority, acting on behalf of the Government of India is intending to select the Successful Proposer for **setting up of one (1) Brownfield Manufacturing Zone for power and renewable energy equipment.**
- 2.2.2. The purpose of this selection is:
 - (a) To establish manufacturing facility based on cutting edge, clean and energy efficient technology for minimizing dependency on import of equipment/ critical component/ critical spares etc. required for Power sector and renewable energy equipment;
 - (b) To promote 'Make in India' and 'Atmanirbhar Bharat' and to make India a global leader in the field of power and renewable equipment manufacturing;
 - (c) To promote indigenisation through domestic manufacturing of items presently being imported;
 - (d) To promote setting up of an exclusive Manufacturing Zone in the country by providing hassle free allotment of land and clearances, state of the art CTF) and CIF to bring down the manufacturing cost significantly thereby making domestic industry competitive and self-reliant in manufacturing of power and renewable energy equipment; and

- (e) To exploit the benefits arising due to optimization of resources and economies of scale.

2.2.3. Financial Assistance

- (a) Grant-in-aid shall be released in four (4) instalments spread over a period of five (5) years in the following manner:

Installment	Percentage of Funds	Remarks/ Pre-requisite
1 st	30	On final approval of the Project by the SSC, thirty percent (30%) grant shall be released in the Trust and Retention Account (TRA) or Escrow or No Lien Account as the case may be subject to the condition that all relevant clearances are in place.
2 nd	30	Sixty percent (60%) utilization of the 1 st instalment and after proportionate expenditure has been incurred by the SPV with proportionate physical progress of the Manufacturing Zone as per the DPR.
3 rd	30	One hundred percent (100%)utilisation of 1 st instalment and at least 60% utilization of 2 nd instalment and after proportionate expenditure has been incurred by the SPV with proportionate physical progress of the Manufacturing Zone as per the DPR.
4 th	10	After submission of completion certificate.

- (b) SSC will be authorized to decide the requisite amount of CIF and CTF based on overall ceiling of Indian Rupees Four Hundred Crore (INR 400,00,00,000.00).
- (c) Year-wise requirement of fund has been estimated and mentioned below on the basis of timelines given for different activities, such as formation of SPV, submission of DPR, completion of CIF and CTF work:

Components	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year
CIF + CTF (INR Crore)	40	100	100	100	60

Note: The budget is inclusive of administrative charges of maximum upto one percent (1%)

- (d) The assets created/acquired by the SPV by utilising the grant of Central Government shall not be disposed, encumbered or utilized for the purposes other than for which the funds have been released.
- (e) A register of permanent and semi-permanent assets acquired wholly or mainly out of the funds provided by Central Government shall be maintained as per GFR.
- (f) If, for any reasons, SPV is liquidated, Government of India will have the first right to recover the grant-in-aid released for the Project in case any surplus is left in the process of liquidation.
- (g) Escalation in the cost of Project due to any reason will be borne by the State Government/ SPV. The Central Government shall not accept any financial liability arising out of operation of any CIF and CTF.

- (h) For successful implementation and operation of the Manufacturing Zone, agreements between State Government and the SPV shall be entered into.

2.3. Monitoring Structure

2.3.1. A Scheme Steering Committee (SSC) and a Project Management Agency (PMA) shall be constituted.

2.3.2. Scheme Steering Committee (SSC)

- (a) The SSC shall be constituted jointly by MNRE and MoP under the Co-Chairmanship of Secretary, MoP and Secretary, MNRE for appraisal, approval and monitoring the progress of Manufacturing Zone as per the Scheme guidelines.
- (b) The Committee shall have the following members:
 - (i) Financial Advisor, MoP, Member
 - (ii) Financial Advisor, MNRE, Member
 - (iii) Additional Secretary/ Joint Secretary, MoP
 - (iv) Additional Secretary/ Joint Secretary, Solar, MNRE
 - (v) Joint Secretary, In-charge (Aatmanirbhar Bharat), DPIIT
 - (vi) Nodal Officer, In-charge of PDC, MoP
 - (vii) Nodal Officer, In-charge of PDC, MNRE, Convenor
 - (viii) Any other domain expert as decided by Co-Chair.
- (c) The SSC may invite representatives of Industry Associations, R&D Institutions and other Government/ Private sector expert organizations as special invitees as required from time to time.
- (d) The SSC shall take all decisions required for successful implementation of the Scheme.
- (e) The SSC shall be assisted by the PMA.
- (f) The SSC shall meet as often as necessary to ensure timely consideration of the Proposals, the DPRs, review of the progress of the Project as per the Scheme. The SSC shall hold meeting at least once in six (6) months.
- (g) The SSC shall evaluate the Proposals submitted by States and give in-principal approvals for setting up Manufacturing Zone.

2.3.3. Project Management Agency (PMA)

- (a) A PMA shall be constituted for providing secretarial, managerial and implementation support to the SSC for effective implementation of the Project.
- (b) The PMA shall have technical experts with knowledge and experience in regulations, manufacturing and R&D relating to renewable and power equipment. PMA shall have at least one (1) expert with experience in implementation of infrastructure projects.
- (c) The PMA shall be constituted with the following members under the Co-Chairmanship of the Nodal officers (in charge of the Project Development Cells) of MoP and MNRE:
 - (i) One officer from NTPC and Power Grid,
 - (ii) One Officer from IREDA
 - (iii) DG, NISE or his nominee
 - (iv) DG, NIWE or his nominee

- (v) DG, CPRI or his nominee
 - (vi) Chief Engineer (R&D), CEA or a nominee of Chairperson, CEA
- (d) Consultant/Young Professionals may be engaged for providing assistance to the PMA.
- (e) The PMA will be responsible for:
- (i) Preliminary examination of the Proposals received from States and seeking additional information including documents from States, if required for completeness of the Proposals.
 - (ii) Appraisal of Proposals and making appropriate recommendations to the SSC for approval of Project under the Scheme.
- (f) After receiving in-principle approval from the SSC, PMA will inform the Proposer about the same.
- (g) The PMA shall assess the progress of the Project from time to time and submit the report to the SSC.

2.4. Role of Proposer

2.4.1. Successful Proposer shall be responsible for:

- (a) Formation of SPV within one (1) month after receiving in-principle approval from the SSC, if the Proposer is a State Government.
- (b) Facilitating the SPV for getting distribution license, where possible from Appropriate Commission under clause (b) of section 14 of Electricity Act 2003.
- (c) Facilitating and providing all statutory approvals/clearances from State Government offices required for operation of the industrial activity inside the Manufacturing Zone. Further, State shall also facilitate and recommend for requisite statutory approval/clearances to be given by the Central Government bodies.
- (d) Providing necessary infrastructure such as access road, power, water supply, etc. up to the Manufacturing Zone.
- (e) Promoting the Manufacturing Zone at National & International level.

2.4.2. Successful Proposer shall avail the grant for development of Manufacturing Zone as per the Scheme guidelines. One (1) State shall be allowed to submit only one (1) Proposal for setting up a Manufacturing Zone in their State.

2.4.3. The area offered by the Proposer for setting up Manufacturing Zone shall not be less than One Hundred Fifty (150) acres. For development of CTF, separate area has to be kept.

2.4.4. The Proposer shall have to be in full possession of the land free of all encumbrances proposed for establishing the Manufacturing Zone on the date of submission of Proposal.

2.4.5. The Proposer shall give full details of the location of the proposed Manufacturing Zone including land area (in acres), location map and area map.

2.4.6. The Proposer shall provide an undertaking for establishing a single window system for all necessary clearances required from the State Government for the manufacturing units located in the Manufacturing Zone.

2.4.7. The Proposer shall be required to make a presentation on the Proposal before SSC.

- 2.4.8. The Proposer shall identify a suitable location for setting up a Manufacturing Zone keeping in mind various factors viz., assured availability of power, assured availability of water, transport connectivity with Railways, National Highway, Port, Airport, environmental and other statutory clearances etc. The identified location shall be well away from the eco-sensitive zone of protected areas.
- 2.4.9. The Proposer under the Scheme shall submit the Proposal within the stipulated date and time as per the format provided at Annexure 6.1.
- 2.4.10. SPV while asking Proposal for manufacturing unit shall not specify minimum percent for export or local value addition for establishing the manufacturing units in the Manufacturing Zone.

2.5. Responsibilities of Special Purpose Vehicle (SPV)

- 2.5.1. After getting in principle approval of the SSC, the Successful Proposer (if it is a State) shall form a Special Purpose Vehicle (SPV), within one (1) month of the approval, for preparation of the DPR and implementation of CIF and CTF works in the identified Manufacturing Zone. If the Successful Proposer is a SPV in partnership with a State, it will be responsible for preparation of DPR and creation of CIF and CTF in selected Manufacturing Zone.
- 2.5.2. The SPV shall plan, appraise, approve, manage, monitor and facilitate the establishment of industries in the Manufacturing Zone.
- 2.5.3. The SPV of each Manufacturing Zone shall be headed by a full time Chief Executive Officer (CEO).
- 2.5.4. The SPV may collaborate with private developers for carrying out the work but only SPV will be fully responsible for implementing the Scheme.
- 2.5.5. The SPV shall use central grant-in aid for creation of CIF and CTF.
- 2.5.6. The SPV shall prepare the DPR covering the technical, financial, institutional and operational aspects of the CIF and CTF to be set up within the Manufacturing Zone within seventy five (75) days from the formation of SPV and submit it for approval of the SSC with the details as given in Annexure 6.2.
- 2.5.7. After approval of the DPR, the SPV shall start execution of works relating to CIF or CTF in collaboration with CPRI, NISE and NIWE. Works relating to CIF shall be completed within six (6) months and CTF within forty eight (48) months from the date of approval of DPR.
- 2.5.8. SPV shall ensure that from the grant-in-aid provided by the central government, CTF are established with the help of NISE for solar energy, NIWE for wind energy and CPRI for power equipment (for Generation, Distribution and Transmission) as per the testing requirements of manufacturing units set up in the Manufacturing Zone.
- 2.5.9. NISE, NIWE and CPRI shall establish and operate the testing facilities and charge testing fee as per the agreement with the SPV.
- 2.5.10. Additional testing facilities without using grant in aid, if required, may also be set-up in market mode by CPRI, NISE or NIWE to meet the testing requirement of manufacturing units.

- 2.5.11. Funds for CTF will be distributed depending up the type of testing facilities required to be provided based on the industries coming up in the respective Manufacturing Zones.
- 2.5.12. To promote domestic manufacturing under "Aatmanirbhar Bharat Abhiyan", power should be provided at reasonable rate to make them competitive as the share of power cost for operation is quite substantial. In order to provide power at reasonable cost, where possible the SPV/ third party selected by SPV may seek distribution license under clause (b) of Section 14 of Electricity Act, 2003 from Appropriate Commission.
- 2.5.13. The SPV shall be responsible for the day to day management of Manufacturing Zone.
- 2.5.14. The SPV shall be responsible for obtaining all statutory approvals/ clearances including all environmental clearances and providing single window system for various approvals and test certificates.
- 2.5.15. The SPV shall recruit suitable professionals for expeditious implementation of the works relating to CIF or CTF and various other interventions as outlined and approved in the DPR. Further, professionals shall prepare the event report, ex-post activity chart showing all activities, the original, expected dates and actual dates along with the flow of fund requirements as specified in the DPR.
- 2.5.16. The SPV shall furnish regular progress reports of the Project to the SSC and the PMA.
- 2.5.17. The SPV shall allot land to the manufacturers on long term lease basis for minimum of thirty five (35) years or for a lesser time period if requested by manufacturers. The land shall be allocated by SPV as per the agreed lease rental rates and terms and conditions as proposed in the Proposal submitted by the Proposer for approval of the SSC.
- 2.5.18. The SPV shall provide services to the manufacturing units as per agreed utility charges and terms and conditions as mentioned in the Proposal. The SPV shall be responsible for operation and maintenance of CIF and CTF of the Manufacturing Zone. SPV may collect maintenance charges for the maintenance of Manufacturing Zone on annual basis. The maintenance charges shall be revised annually based on the actual cost of maintenance. Total annual maintenance cost shall be apportioned amongst the manufacturers in ratio of land area allocated to them inside the Manufacturing Zone.
- 2.5.19. The SPV/ third party selected by SPV shall be responsible for all the matters relating to procurement, transmission, distribution of electricity and its associated electrical infrastructure.
- 2.5.20. The SPV shall keep a provision for cancellation of allotment of the land if any manufacturer fails to start the work within six (6) months and complete the commissioning within a period of twenty four (24) months from the date of allotment of land unless it is extended on valid reasons for not more than six (6) months at a time.
- 2.5.21. There shall be a provision for the manufacturing units to opt out of the Manufacturing Zone after a period of five (5) years from the allotment of land by SPV as per the procedure defined at the time of allotment of land by the SPV.
- 2.5.22. The SPV shall submit any report sought by SSC or PMA, from time to time.
- 2.5.23. The SPV shall invite applications from the potential manufacturers for establishing a manufacturing facility in the Manufacturing Zone for the items included in Annexure 6.2.

- 2.5.24. The SPV shall develop and include guidelines and eligibility criteria for allotment of land and other services in the DPR for approval of the same by the SSC
- 2.5.25. The SPV shall furnish a quarterly progress report on the development of the Manufacturing Zone.
- 2.5.26. The SPV shall open a Trust and Retention Account (TRA) or Escrow or No Lien Account and enter into an agreement in respect thereof as may be decided by the SSC for the purpose of parking the funds received as grant-in-aid from the Central Government under the Scheme.
- 2.5.27. The SPV shall submit the Utilisation Certificate (UC) with the progress report for the amounts utilized as per the format prescribed in GFR.
- 2.5.28. Accounts of SPV shall be subject to audit by the Comptroller & Auditor General of India.
- 2.5.29. The amount allotted for CIF and CTF for power equipment, solar equipment and wind equipment may be reallocated between the activities under CIF & CTF if required, after taking approval of SSC.
- 2.5.30. In addition to the CIF, the SPV and the State shall actively facilitate common services/ utilities required for smooth running of businesses such as petrol pumps, banks, cafeteria, business centre, parking for trucks, convenience stores, medical service centre etc.

2.6. Brief description of EOI Process

- 2.6.1. EOI Process Authority has adopted a single stage EOI Process for selection of the Successful Proposer.
- 2.6.2. Each Proposer is required to submit a single Proposal as per Clause 4.7.
- 2.6.3. All Proposals are required to be prepared and submitted in accordance with the terms of this EOI on or before Proposal Due Date.
- 2.6.4. Any queries or requests for additional information relating to this EOI shall be submitted to EOI Process Authority in accordance with Clause 3.4.
- 2.6.5. EOI Process Authority shall endeavour to adhere to the following EOI Schedule:

Sl.	Event	Date and Time
1.	Notification to Proposers	Wednesday, April 13, 2022
2.	Pre-EOI Meeting	Wednesday, April 27, 2022 at 11:00 AM
3.	Last date of submission of queries or information required by Proposers	Wednesday, May 4, 2022 at 04:00 PM
4.	Issue of clarifications, addendum or revised EOI	Wednesday, May 11, 2022 at 04:00 PM
5.	Proposal Due Date	Wednesday, June 8, 2022 at 04:00 PM

- 2.6.6. All communications related to Proposal including submission of Proposal shall be addressed to the following:
 Sh. Vivek Kumar Dewangan,
 Additional Secretary,
 Room No 413, Ministry of Power,
 Shram Shakti Bhawan,
 New Delhi –110001
 Email: as1-power@gov.in
 Phone: +91-011-23710171

3. General Instructions to Proposers

3.1. Eligibility Criteria

- 3.1.1. A Proposer shall be a State Government or a SPV in partnership with a State Government.
- 3.1.2. If a Proposer is a State Government, then it shall form a Special Purpose Vehicle (SPV), within one (1) month of the approval, for preparation of the DPR and implementation of CIF and CTF works in the identified Manufacturing Zone.
- 3.1.3. The SPV of Manufacturing Zone shall be headed by a full time Chief Executive Officer (CEO).
- 3.1.4. The SPV shall be a limited company incorporated under the Companies Act, 2013.

3.2. Acknowledgement by Proposer

- 3.2.1. It shall be deemed that by submitting the Proposal, the Proposer has:
 - (a) made a complete and careful examination of EOI (including all instructions, forms, terms and specifications) and any other information provided by EOI Process Authority under this EOI and Proposer acknowledges that submission of a Proposal that is not substantially responsive to EOI in every respect shall be at Proposer's risk and may result in rejection of Proposal;
 - (b) received all relevant information requested from EOI Process Authority;
 - (c) accepted the risk of inadequacy, error or mistake in the information provided in EOI or furnished by or on behalf of EOI Process Authority;
 - (d) satisfied itself about all things, matters and information, necessary and required to submit a Proposal;
 - (e) familiarized itself with the procedures and time frames required to obtain all Consents, Clearances and Permits to operate as a Distribution Licensee; and
 - (f) agreed to be bound by the undertakings provided by it under and in terms of this EOI.
- 3.2.2. EOI Process Authority shall not be liable for any omission, mistake or error in respect of any of the above or on account of any matter arising out of or relating to EOI or EOI Process.

3.3. Rights of EOI Process Authority

- 3.3.1. EOI Process Authority, in its sole discretion and without incurring any obligation or liability, reserves the right, at any time, to:
 - (a) suspend, amend or supplement the EOI Process or modify the dates or other terms and conditions relating thereto;
 - (b) consult with any Proposer in order to receive clarification or further information at any stage of the EOI Process;
 - (c) retain any information, documents or evidence submitted to EOI Process Authority by or on behalf of any Proposer;
 - (d) independently verify, disqualify, reject or accept any and all documents, information or evidence submitted by or on behalf of any Proposer;
 - (e) reject any Proposal, if:
 - (i) at any time, a material misrepresentation is made or uncovered; or
 - (ii) Proposer in question does not provide, within the time specified by EOI Process Authority, the supplemental information sought by EOI Process Authority for evaluation of Proposal; or
 - (f) accept or reject any or all Proposals, annul EOI Process and reject all Proposals, at any time, without any liability or any obligation for such acceptance, rejection or annulment and without assigning any reasons whatsoever to any Person, including the Proposers.
- 3.3.2. If EOI Process Authority annuls the EOI Process and rejects all Proposals, it may in its sole discretion invite fresh Proposals.

- 3.3.3. If EOI Process Authority exercises its right under this EOI to reject a Proposal and consequently, Successful Proposer gets disqualified or rejected, then EOI Process Authority reserves the right to:
- (a) select the second ranked Proposer as the Successful Proposer; or
 - (b) take any such measure as may be deemed fit in the sole discretion of EOI Process Authority, including inviting fresh Proposals from the Proposers or annulling the entire EOI Process; or
 - (c) take any such measure as it may deem fit.
- 3.3.4. In case, the Successful Proposer is a State and it fails to form the SPV within the stipulated timeline or if the SPV fails to submit the DPR within the timelines, then in-principle approval may be cancelled by the SSC. In such case, Proposal of the next ranked Proposer may be selected for the purpose of setting up of Manufacturing Zone.
- 3.3.5. Upon any disqualification, cancellation or termination in accordance with this Clause 3.3, EOI Process Authority shall not be liable in any manner whatsoever to the Proposer.

3.4. Clarifications and Queries

- 3.4.1. If a Proposer requires any clarification on or has any query in relation to EOI or seeks to suggest amendments to the EOI, it shall submit such query or request for clarification or amendment to EOI Process Authority by e-mail to the e-mail address mentioned in Clause 2.6.6 or by speed post or courier to the address mentioned in Clause 2.6.6 on or before the time and date specified in EOI Schedule. In case of any e-mail queries or clarifications, the subject of the e-mail must clearly bear the following subject: **"Setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project): Clarifications or Request for Amendments"**. For any such clarifications or amendments, Proposer shall adhere to the Format 6.6 of EOI.
- 3.4.2. EOI Process Authority shall make reasonable efforts to respond to the queries or requests for clarifications on or before the date mentioned in the EOI Schedule. However, EOI Process Authority reserves the right to not respond to any query or provide any clarification or incorporate any amendments or modifications sought for, in its sole discretion. EOI Process Authority's responses (including an explanation of the query but not identification of its source) shall be made available to all Proposers.
- 3.4.3. EOI Process Authority may, on its own initiative, if deemed necessary, issue clarifications to all Proposers. All clarifications and interpretations issued by EOI Process Authority shall be deemed to be part of this EOI. Should EOI Process Authority deem it necessary to amend EOI as a result of a request for clarification or amendments, it shall do so following the procedure under Clause 3.6.
- 3.4.4. Verbal clarifications and information given by EOI Process Authority or any other Person for or on its behalf shall not in any way or manner be binding on EOI Process Authority.

3.5. Pre-EOI Meeting

- 3.5.1. All interested Proposers shall be invited to attend the Pre-EOI Meeting on the date, and time mentioned in the EOI Schedule at the location to be specified by EOI Process Authority. The purpose of the Pre-EOI Meeting shall be to clarify issues and answer questions on any matter relating to EOI and EOI Process.
- 3.5.2. All interested Proposers may nominate up to three (3) authorized representatives to participate in the Pre-EOI Meeting, by confirming the participation of its authorized representatives at the Pre-EOI Meeting at least three (3) days prior to the date of the Pre-EOI Meeting. Such confirmation shall be sent by e-mail at the e-mail address mentioned in Clause 2.6.6.
- 3.5.3. During the course of the Pre-EOI Meeting, all interested Proposers shall be free to seek clarifications and make suggestions to EOI Process Authority.
- 3.5.4. Non-attendance at the Pre-EOI Meeting shall not be a cause for disqualification of an interested Proposer from participating in the EOI Process.

3.6. Amendment of EOI

- 3.6.1. Until Proposal Due Date, EOI Process Authority may, for any reason, whether on its own initiative or in response to a query raised or clarifications requested by a Proposer in writing, amend the EOI by issuing an Addendum or an amended EOI. The EOI Process Authority may, at its discretion, extend the Proposal Due Date in order to give Proposers reasonable time to take the amendments into account in preparing their Proposals.
- 3.6.2. All Addenda or amendments shall be notified in writing through a letter or fax or e-mail to all Proposers.
- 3.6.3. Proposers are required to read EOI together with any Addenda or amendments that may be issued in accordance with this Clause 3.6.
- 3.6.4. Each Addendum or amendment shall be binding on Proposers whether or not Proposers convey their acceptance of the Addendum or amendment.
- 3.6.5. Any oral statements made by EOI Process Authority or its advisors regarding EOI Process, EOI or on any other matter, shall not be considered as amending EOI.
- 3.6.6. EOI Process Authority will assume that the information contained in the Addendum or amendments shall have been taken into account by Proposer in its Proposal. EOI Process Authority assumes no responsibility for the failure of a Proposer to submit its Proposal in accordance with the terms of the Addendum or amendments or for any consequential losses suffered by Proposer.

3.7. Confidential information and proprietary data

- 3.7.1. **Proprietary Data:** All documents and other information provided by EOI Process Authority or submitted by a Proposer to EOI Process Authority shall remain or become the property of EOI Process Authority, as the case may be. Proposers are required to treat all information provided by EOI Process Authority in EOI as strictly confidential and not to use them for any purpose other than for preparation and submission of their Proposals.
- 3.7.2. **Confidentiality Obligations of EOI Process Authority:** EOI Process Authority shall treat all information, submitted as part of a Proposal as confidential and shall require all those who have access to such material to treat it in confidence. EOI Process Authority may not divulge any such information or any information relating to evaluation of Proposals or the qualification of Proposers unless:
 - (a) such publication is contemplated under this EOI;
 - (b) such publication is made to any Person who is officially involved with EOI Process or is a retained professional advisor advising EOI Process Authority or Proposer on matters arising out of or in connection with EOI Process;
 - (c) it is directed to do so by any statutory authority that has the power under law to require its disclosure;
 - (d) such publication is to enforce or assert any right or privilege of the statutory authority or EOI Process Authority or as may be required by law (including under the Right to Information Act, 2005 or amendments thereof); or
 - (e) in connection with any legal process.

3.8. Governing law and jurisdiction

- 3.8.1. **Governing law:** EOI Process, this EOI and Proposal shall be governed by, and construed in accordance with, the laws of India.
- 3.8.2. **Exclusive jurisdiction:** The competent courts at Delhi shall have exclusive jurisdiction over all disputes arising under, pursuant to or in connection with EOI Process, this EOI and Proposals.

4. Submission of Proposals

4.1. Number of Proposal

4.1.1. Each State shall be permitted to submit only one (1) Proposal. A Proposer who submits or participates in more than one (1) Proposal shall cause all Proposals with such Proposer's participation to be disqualified.

4.2. Language of Proposals and Correspondence

4.2.1. Proposal prepared by the Proposer and all correspondence and documents related to the EOI exchanged by Proposer and EOI Process Authority shall be in English.

4.3. Proposal Due Date

4.3.1. Proposal shall be submitted on or before the date and time specified in EOI Schedule at the address mentioned in Clause 2.6.6.

4.3.2. EOI Process Authority may, at its discretion and for any reason, extend Proposal Due Date for all Proposers by issuing an Addendum in accordance with Clause 3.6, in which case all rights and obligations of EOI Process Authority and Proposer shall thereafter be subject to Proposal Due Date as extended.

4.3.3. Proposal received by EOI Process Authority after the specified time on Proposal Due Date shall not be eligible for consideration and shall be summarily rejected.

4.4. Proposal

4.4.1. The Proposal submitted by a Proposer shall comprise the following:

Sl.	Description	Format No.
1.	Covering Letter	Format I (Annexure 6.1.1)
2.	Letter of Authority	Format II (Annexure 6.1.2)
3.	Proposer Details	Format III (Annexure 6.1.3)
4.	Cost of development of the Manufacturing Zone & tentative source of funds	Format IV(a) (Annexure 6.1.4)
5.	Utility Charges	Format IV(b) (Annexure 6.1.5)
6.	Details of Land	Format IV(c) (Annexure 6.1.6)
7.	Policy Incentives given/ proposed by State Government for Manufacturing Zone	Format IV(d) (Annexure 6.1.7)
8.	Connectivity of Manufacturing Zone	Format IV(e) (Annexure 6.1.8)
9.	Undertaking for commitment to provide 24*7 availability of power supply	Format V(a) (Annexure 6.1.9)
10.	Undertaking for single window system for necessary clearances	Format V(b) (Annexure 6.1.10)
11.	Undertaking for full/ partial acceptance of Labour Laws	Format V(c) (Annexure 6.1.11)

4.5. Cost and currency of Proposals

4.5.1. Proposers shall bear their own costs associated with or relating to the preparation and submission of their EOIs, including copying, postage, delivery charges and expenses associated with any submissions which may be required by EOI Process Authority or any other costs incurred in connection with or relating to their EOIs, including any costs incurred on conducting any due diligence or participating in discussions and attending Pre-EOI Meetings and finalisation and execution of various EOI documents etc. All such costs and expenses shall be borne by Proposers and EOI Process Authority and their employees and advisors shall not be liable in any manner whatsoever for such costs and expenses, regardless of the conduct or outcome of EOI Process.

4.5.2. All amounts in the EOI shall be stated in Indian Rupees (INR).

4.6. Signing of Proposal

4.6.1. All pages of the EOI must be printed and physically signed by the Authorized Signatory of Proposer and stamped. If any pages of EOI are not physically signed and stamped by Proposer's Authorized Signatory, then EOI Process Authority may reject such Proposal or require the Authorized Signatory of such Proposer to sign and stamp the pages that were not signed at EOI Process Authority's office.

4.7. Submission of Proposals

4.7.1. Proposers shall submit Proposal in a single closed and sealed cover envelope. The super script to be mentioned in envelope is provided below:

Envelope	"Proposal for Setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)" Due for Opening on: To, Sh. Vivek Kumar Dewangan, Additional Secretary, Room No 413, Ministry of Power, Shram Shakti Bhawan, New Delhi –110001 Email: as1-power@gov.in Phone: +91-011-23710171 "Name of Proposer:"
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4.7.2. Envelope shall include one (1) original plus one (1) copy, duly signed by the Authorized Signatory of Proposal. The original Proposal shall be clearly marked "ORIGINAL", and the copy is to be clearly marked "COPY OF PROPOSAL". In the event of any discrepancy between the original and the accompanying copy, the original shall prevail. Further, the envelope shall include one copy of their Proposal in electronic form either in a CD or pen drive.

4.7.3. The Proposal shall either be hand delivered or sent by registered post acknowledgement delivery; or speed post; or courier; so as to reach to the address mentioned in Clause 2.6.6 by Proposal Due Date. Proposals submitted by fax, telex or e-mail shall not be entertained and shall be rejected. EOI Process Authority shall not be responsible for any delays, loss or non-receipt of Proposals.

4.7.4. Proposals shall contain no alterations, omissions or additions, unless such alterations, omissions or additions are signed by the Authorized Signatory of Proposer. Any interlineations, erasures, or overwriting shall be valid only if they are signed by the Authorized Signatory of Proposer.

4.7.5. If the envelope is not sealed and super scribed as instructed in this Clause 4.7, EOI Process Authority assumes no responsibility for the misplacement or premature opening of the contents of the Proposal and consequent losses, if any, suffered by Proposer.

4.8. Substitution or Withdrawal of Proposals

4.8.1. Proposer may substitute or withdraw its Proposal after submission at any time prior to the specified time on Proposal Due Date. No Proposal shall be substituted or withdrawn by Proposer on or after the specified time on Proposal Due Date.

4.8.2. Subject to Clause 4.8.1 above, Proposer may substitute or withdraw the Proposal by submitting a substitution or withdrawal letter or notice to EOI Process Authority to substitute or withdraw the Proposal submitted to EOI Process Authority.

Expression of Interest

- 4.8.3. The substitution or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with Clause 4.7, with the envelope being additionally marked "SUBSTITUTION" or "WITHDRAWAL", as appropriate.
- 4.8.4. Any alteration or modification in Proposal or additional information supplied after the specified time on Proposal Due Date, unless such additional information has been expressly sought for by EOI Process Authority, shall be disregarded.
- 4.8.5. If EOI Process Authority receives a substitution notice from a Proposer before the specified time on Proposal Due Date, then Proposer shall be allowed to substitute its original Proposal, and the hard copy of the Proposal shall be returned unopened. Provided that in such an event, Proposer shall be required to submit its substituted Proposal prior to the specified time on Proposal Due Date.
- 4.8.6. If EOI Process Authority receives a withdrawal notice before the specified time on Proposal Due Date, then EOI Process Authority shall return the hard copy of Proposal to such Proposer unopened.

5. Evaluation of Proposal

5.1. Determination of Responsiveness and Evaluation of Proposals

- 5.1.1. EOI Process Authority shall examine the Proposals to determine whether they are complete, whether the documents have been properly signed, and whether the Proposals are generally in order. If any Proposer is disqualified in accordance with the terms of EOI or if any Proposal is found to be non-responsive, Proposal shall be rejected by EOI Process Authority and not included for further consideration. No request for alteration, modification, substitution or withdrawal shall be entertained by EOI Process Authority in respect of such Proposal(s).
- 5.1.2. EOI Process Authority shall then evaluate and determine whether Proposer who have submitted Proposals satisfy the Eligibility Criteria set out at Clause 3.1 in their Proposal.
- 5.1.3. The Proposal of Proposers, who are meeting the Eligibility Criteria shall be evaluated based upon the following evaluation methodology.

Sl.	Parameter	Maximum Marks
1	Utility charges (rates) as per Proposal submitted by Proposer <i>(Proposer quoting the lowest rate will be awarded full marks and the Proposer quoting highest rate will be awarded zero marks. Others shall be provided marks on pro-rata basis)</i>	20
i.	Power Charges (fixed for first five years and thereafter 3% y-o-y increase)	15
ii.	Water Charges (fixed for first five years and thereafter 3% y-o-y increase)	5
2	Total area of the proposed Manufacturing Zone	20
i.	Land area above 150 acres <i>(Proposer shall get 1 marks for every additional 15 acres of developed land over and above 150 acres minimum stipulated developed land. Eg: for offering 165 acres land - 1 mark; for offering 180 acres of land - 2 marks)</i>	5
ii.	Quoted land price per sq. meter inclusive of the duties levied (Applicable taxes/Stamp duty/ Transfer duty/ Registration fees etc.) <i>(Proposer offering minimum land price per sq. meter shall be awarded full marks and the Proposer offering the highest shall be awarded zero marks. Others shall be provided marks on pro-rata basis)</i>	15
3 A.	A. Policy incentives of Proposer applicable for Renewable and Power Equipment Industry <i>(Proposer quoting the highest percentage will be awarded full marks and the Proposer quoting lowest percentage will be awarded zero marks. Others shall be provided marks on pro-rata basis)</i>	40
i.	Percentage capital subsidy of CAPEX investment for Project below Indian Rupees One Hundred Crore (INR 100,00,00,000.00)	5
ii.	Percentage capital subsidy of CAPEX investment for Project above Indian Rupees One Hundred Crore (INR 100,00,00,000.00) and up	5

Sl.	Parameter	Maximum Marks
	to Indian Rupees Five Hundred Crore (INR 500,00,00,000.00)	
iii.	Percentage capital subsidy of CAPEX investment for Project above Indian Rupees Five Hundred Crore (INR 500,00,00,000.00)	10
	B. Capital Subsidy (%) on CAPEX (Payment may be linked to milestones but full subsidy should be paid in the period not exceeding five (5) years from the date of commissioning).	
i.	SGST reimbursement against investment <i>(Proposer quoting the highest percentage will be awarded full marks and the Proposer quoting lowest percentage will be awarded zero marks. Others shall be provided marks on pro-rata basis)</i>	15
ii.	Any other subsidy	5
4	Connectivity of the Manufacturing Zone <i>(Proposer quoting the lowest distance will be awarded full marks and the Proposer quoting highest distance will be awarded zero marks. Others shall be provided marks on pro-rata basis)</i>	15
i.	Distance of site from nearest existing and functional Railheads	5
ii.	Distance of site from nearest existing and functional National Highway	5
iii.	Distance of site from nearest existing and functional Air Cargo/ Airport	5
5	Declaration from Proposer for acceptance of labour law reforms	5
i.	Full acceptance of labour law by Proposer as proposed by Central Government (5 marks)	5
ii.	Partial acceptance of labour law by Proposer with modification (2.5 marks)	
6	Others	20
i.	Ratings of Industrial parks (Ranked by DPIIT)	10
ii.	Industrial Ecosystem developed around the land within fifty (50) km the last three (3) Years	10
	Total	120

5.2. Selection of Successful Proposer

5.2.1. EOI Process Authority shall tabulate the marks of the Proposer from highest to lowest.

5.2.2. Proposer with the highest marks shall be declared as the Successful Proposer. The remaining Proposers shall be kept in reserve and in case the Successful Proposer withdraws or such selection is cancelled for any reason, the Proposer with next highest marks may be declared as the Successful Proposer, in accordance with the process specified in EOI.

5.3. Clarification on Proposals

Expression of Interest

- 5.3.1. To facilitate evaluation of Proposals, EOI Process Authority may, in its sole discretion, seek clarifications and any additional information from any Proposer regarding its Proposal (including if Proposal is not signed, marked and sealed in accordance with Clauses 4.6 and 4.7). Such clarification(s) shall be provided within the time specified by EOI Process Authority for this purpose. Any request for clarification(s) and all responses to such clarification(s) shall be in writing. Any clarification submitted by a Proposer that is not in response to a request by EOI Process Authority shall not be considered.
- 5.3.2. No substantive change to qualification information or to a submission, including changes aimed at making an unqualified Proposer, qualified or an unresponsive submission, responsive shall be sought, offered or permitted.
- 5.3.3. If a Proposer does not provide clarifications and any additional information sought under Clause 5.3.1 within the prescribed time, its Proposal may be liable for rejection. If Proposal is not rejected, EOI Process Authority may proceed to evaluate Proposal by construing the particulars requiring clarification to the best of its understanding, and Proposer shall be restricted from subsequently questioning such interpretation of EOI Process Authority.

6. Annexure

6.1. Formats for Proposal

6.1.1. Format I: Covering Letter

[To be submitted on the letterhead of the Proposer]

To,

Sh. Vivek Kumar Dewangan,
Additional Secretary,
Room No 413, Ministry of Power,
Shram Shakti Bhawan,
New Delhi –110001

Email: as1-power@gov.in

Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

1. With reference to the request for submission of expression of interest dated _____ for Setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project), we hereby express our interest to participate in the project.
2. We have understood the instructions and the terms and conditions mentioned in the EoI Document furnished by you and have thoroughly examined the detailed scope of work laid down by you and are fully aware of nature and scope of work required.
3. We hereby furnish our Proposal comprising of the following documents for your consideration:

Sl.	Description	Format No.
1	Letter of Authority	Format II
2	Proposer details	Format III
3	Cost of development of the Manufacturing Zone & tentative source of funds	Format IV(a)
4	Utility charges	Format IV(b)
5	Details of land	Format IV(c)
6	Policy incentives given/ proposed by State Government for Manufacturing Zone	Format IV(d)
7	Connectivity of Manufacturing Zone	Format IV(e)
8	Undertaking for commitment to provide 24*7 availability of power supply	Format V(a)
9	Undertaking for single window system for necessary clearances	Format V(b)
10	Undertaking for full/ partial acceptance of Labour Laws	Format V(c)

4. We further confirm that any deviations from the clauses found anywhere in our Proposal, implicit or explicit, shall stand unconditionally withdrawn, without any implication whatsoever to EOI Process Authority, failing which the Proposer shall be debarred for future assignments with EOI Process Authority for a period of maximum three (3) years from the date of such disqualification.
5. We certify that all the information provided in our Proposal is true. We understand that any wilful misstatement in the bid may lead to disqualification or cancellation of award if made or termination of contract. We also understand that in such a case we may be debarred for future assignments with EOI Process Authority for a period of maximum three (3) years from the date of such disqualification.

Expression of Interest

For and on behalf of [State/ SPV]

.....

(Signature of Authorized Signatory)

Name:

Designation:

Stamp:

Date:

Place:

6.1.2. **Format II: Letter of Authority**

[To be submitted on the letterhead of the Proposer]

To,
Sh. Vivek Kumar Dewangan,
Additional Secretary,
Room No 413, Ministry of Power,
Shram Shakti Bhawan,
New Delhi –110001
Email: as1-power@gov.in
Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

In continuation with your above captioned invitation to submission of expression of interest, Mr/Ms. _____ will act as our authorized representative/signatory. We hereby confirm that any offer/commitments made by him/her including utility charges, land area and prices, incentives, subsidy, connectivity arrangements and delivery schedules shall be binding on us as if the same has been made by us.

This authority shall remain valid and will not be revoked without your consent.

Any commitment made by the authorized representative before revocation of the authority shall be binding on us.

For and on behalf of [State/ SPV]

.....

(Signature)

Name:

Designation:

Stamp:

Date:

Place:

Note:

1. In case the Proposer is a SPV, the letter of authority shall be submitted by the Company Secretary/Director of the Proposer along with certified copy of Approval by Competent Authority of the company for the authorized signatory.
2. In case the Proposer is a State, the letter of authority shall be submitted by the Competent Authority of the State.

6.1.3. Format III: Proposer Details

[To be submitted on the letterhead of the Proposer]

To,
 Sh. Vivek Kumar Dewangan,
 Additional Secretary,
 Room No 413, Ministry of Power,
 Shram Shakti Bhawan,
 New Delhi –110001
 Email: as1-power@gov.in
 Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

We, the undersigned, hereby submit our details as follows:

- (a) Name of the State/ SPV (in partnership with State Government):

- (b) Authorized Signatory Details:
 Name:
 Designation:
 Mobile No.:
 Landline No.:
 E-mail Address:
 Address:
- (c) Details of Ownership Structure (applicable in case of SPV):
 Details of persons owning 10% or more of the total paid up equity of the SPV.
 Status of equity holding as on

Sl.	Name of Equity Holder	Type and Number of Shares Owned	% of Equity Holding
1.			
2.			
3.			
4.			
5.			

For and on behalf of [State/ SPV]

.....
 (Signature of Authorized Signatory)
 Name:
 Designation:

Stamp:

Date:

Place:

6.1.4. Format IV (a): Cost of development of the Manufacturing Zone & tentative source of funds

[To be submitted on the letterhead of the Proposer]

To,
 Sh. Vivek Kumar Dewangan,
 Additional Secretary,
 Room No 413, Ministry of Power,
 Shram Shakti Bhawan,
 New Delhi –110001
 Email: as1-power@gov.in
 Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

I/ We, the undersigned, hereby submit the details of cost of development of Manufacturing Zone & tentative source of funds as follows:

Sl.	Particulars	Amount (in INR Crore) (In Figures)	Amount (in Words)
1	Cost of Development of the Manufacturing Zone (estimated)		
2	Central Government Share (Grant-in-Aid)		
3	State Government share with source of funds as share of State Govt, if any.		

I/We, the undersigned, certify that, to the best of my/our knowledge and belief, the information given above is correct. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I/we am/are aware that we may be held liable for it and EOI Process Authority has right to reject the offer/take action as per relevant clauses of the EOI without assigning any reason, whatsoever.

For and on behalf of [State/ SPV]

.....

(Signature of Authorized Signatory)

Name:

Designation:

Stamp:

Date:

Place:

Note:

1. Quote for all the parameters shall be up to two (2) decimal places.
2. In case of any discrepancy in the value quoted in words and in numbers, the value quoted in words shall prevail.

6.1.5. **Format IV (b): Utility Charges**

[To be submitted on the letterhead of the Proposer]

To,
 Sh. Vivek Kumar Dewangan,
 Additional Secretary,
 Room No 413, Ministry of Power,
 Shram Shakti Bhawan,
 New Delhi –110001
 Email: as1-power@gov.in
 Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

I/We, the authorised signatory of the firm, confirm that the following utility charges to be charged from equipment/ component/ raw material manufacturing units.

The utility charges shall not increase for the first five (5) years. Thereafter, increase of charges @ 3% every year shall be allowed.

Sl.	Utility	Unit	Rate(after discounting duties and subsidies)(In Figures)	In Words
1	Power	INR/ kWh		
2	Electricity	INR/ kL		

I/We, the undersigned, certify that, to the best of my/our knowledge and belief, the information given above is correct. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I/we am/are aware that we may be held liable for it and EOI Process Authority has right to reject the offer/take action as per relevant clauses of the EOI without assigning any reason, whatsoever.

For and on behalf of State/ SPV

M/s.

.....

(Signature of Authorized Signatory)

Name:

Designation:

Stamp:

Date:

Place:

Note:

1. Quote for all the parameters shall be up to two (2) decimal places.
2. In case of any discrepancy in the value quoted in words and in numbers, the value quoted in words shall prevail

6.1.6. **Format IV (c): Details of Land**

[To be submitted on the letterhead of the Proposer]

To,
 Sh. Vivek Kumar Dewangan,
 Additional Secretary,
 Room No 413, Ministry of Power,
 Shram Shakti Bhawan,
 New Delhi –110001
 Email: as1-power@gov.in
 Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

I/ We, the undersigned, hereby submit the details of land as follows:

Sl.	Particulars	Details
1	Total Land Area in Acres (Single land parcel) – (Minimum 150 acres)	
2	Coordinates of land on Google/Bhuvan map, mapping of the land and land survey report	
3	Status of ownership, possession and mutation of the land in the revenue records	
4	Status of any encroachment, unauthorised possession or habitation on the land (including part of the land) proposed for the Manufacturing Zone.	
5	Whether the land (including part of the land) is subject to any rehabilitation requirement etc. The status, procedure and timelines of the same should be clearly mentioned.	
6	Details of any compensation related issue which is pending for the land (including part of the land).	
7	Details of any legal dispute or claim, pending in any court of law with any party for the land (including part of the land). If yes, detail about nature of dispute, forum where pending and any timelines for closure to be furnished.	
8	Details of any other known encumbrance, restriction or relevant information which may have an impact on timely completion of development of the Manufacturing Zone	
9	Land price per sq. meter Net land price per sq. Meter including Stamp Duty/ Transfer Duty/ Registration fees etc.. The Proposer is required to clearly mention the upfront fee payable by the manufacturing unit and all subsequent payment with the periodicity and duration of payment	

I/We, the undersigned, certify that, to the best of my/our knowledge and belief, the information given above is correct. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I/we am/are aware that we may be held liable for it and EOI Process Authority has right to reject the offer/take action as per relevant clauses of the EOI without assigning any reason, whatsoever.

For and on behalf of State/ SPV

.....
 (Signature of Authorized Signatory)

Name:

Designation:

Expression of Interest

Stamp:

Date:

Place:

6.1.7. Format IV (d): Policy Incentives given/ proposed by State Government for Manufacturing Zone

[To be submitted on the letterhead of the Proposer]

To,
 Sh. Vivek Kumar Dewangan,
 Additional Secretary,
 Room No 413, Ministry of Power,
 Shram Shakti Bhawan,
 New Delhi –110001
 Email: as1-power@gov.in
 Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

I/ We, the undersigned, hereby submit the details of policy incentives for Manufacturing Zone as follows:

Sl.	CAPEX Investment Amount*	Units	Values
1.	Capital subsidy for project below Indian Rupees One Hundred Crore (INR 100,00,00,000.00)	%	
2.	Capital Subsidy for project above Indian Rupees One Hundred Crore (INR 100,00,00,000.00) and up to Indian Rupees Five Hundred Crore (INR 500,00,00,000.00).	%	
3.	Capital subsidy for project above Indian Rupees Five Hundred Crore (INR 500,00,00,000.00).	%	
4.	Incentive in the form of SGST reimbursement, against investment	%	
5.	Any other subsidy Details of any other incentives/subsidy. State is also required to submit the calculation of such % of incentive/subsidy against investment.	As applicable	

* Relevant supporting documents are enclosed.

I/We, the undersigned, certify that, to the best of my/our knowledge and belief, the information given above is correct. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I/we am/are aware that we may be held liable for it and EOI Process Authority has right to reject the offer/take action as per relevant clauses of the EOI without assigning any reason, whatsoever.

For and on behalf of State/ SPV

.....

(Signature of Authorized Signatory)

Name:

Designation:

Stamp:

Date:

Place:

6.1.8. **Format IV (e): Connectivity of Manufacturing Zone**

[To be submitted on the letterhead of the Proposer]

To,
 Sh. Vivek Kumar Dewangan,
 Additional Secretary,
 Room No 413, Ministry of Power,
 Shram Shakti Bhawan,
 New Delhi –110001
 Email: as1-power@gov.in
 Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

I/ We, the undersigned, hereby submit the connectivity of Manufacturing Zone as follows:

Sl.	Particulars	Name	Distance of site (in kms)
1	Nearest existing and functional Railheads		
2	Nearest existing and functional National Highway		
3	Nearest existing and functional Air Cargo/ Airport		

I/We, the undersigned, certify that, to the best of my/our knowledge and belief, the information given above is correct. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I/we am/are aware that we may be held liable for it and EOI Process Authority has right to reject the offer/take action as per relevant clauses of the EOI without assigning any reason, whatsoever.

For and on behalf of State/ SPV

.....
 (Signature of Authorized Signatory)

Name:

Designation:

Stamp:

Date:

Place:

6.1.9. **Format V(a): Undertaking for commitment to provide 24*7 availability of power supply**

[To be submitted on the letterhead of the Proposer]

To,
Sh. Vivek Kumar Dewangan,
Additional Secretary,
Room No 413, Ministry of Power,
Shram Shakti Bhawan,
New Delhi –110001
Email: as1-power@gov.in
Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

I/We, the undersigned, confirm that we shall provide 24*7 availability of power supply in the Manufacturing Zone.

For and on behalf of State/ SPV

.....
(Signature of Authorized Signatory)

Name:

Designation:

Stamp:

Date:

Place:

Note:

1. The Proposer is required to give a commitment with broad details for sourcing continuous power supply, which shall be considered for the evaluation of the Proposal. However, the Successful Proposer shall be required to provide detailed justification and feasibility for sourcing continuous power supply in the Detailed Project Report.

6.1.10. **Format V(b): Undertaking for single window system for necessary clearances**

[To be submitted on the letterhead of the Proposer]

To,

Sh. Vivek Kumar Dewangan,
Additional Secretary,
Room No 413, Ministry of Power,
Shram Shakti Bhawan,
New Delhi —110001
Email: as1-power@gov.in
Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy
Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

I/We, the undersigned, confirm that a single window system shall be provided for necessary clearances required from the State Government for the manufacturing units located in the Manufacturing Zone.

For and on behalf of State/ SPV

.....
(Signature of Authorized Signatory)

Name:

Designation:

Stamp:

Date:

Place:

6.1.11. **Format V(c): Undertaking for full/ partial acceptance of Labour Laws**

[To be submitted on the letterhead of the Proposer]

To,

Sh. Vivek Kumar Dewangan,
Additional Secretary,
Room No 413, Ministry of Power,
Shram Shakti Bhawan,
New Delhi —110001
Email: as1-power@gov.in
Phone: +91-011-23710171

Sub: Proposal for setting up Manufacturing Zone for Power and Renewable Energy
Equipment (Pilot Project)

Ref.: EOI No. _____ dated _____

Dear Sir/ Madam,

I/We, the undersigned, confirm that we shall fully accept the Labour Laws as proposed by the Central Government.

OR

I/We, the undersigned, confirm that we shall accept the Labour Laws as proposed by the Central Government with following exclusions:

1.
2.

.....

For and on behalf of State/ SPV

.....

(Signature of Authorized Signatory)

Name:

Designation:

Stamp:

Date:

Place:,

6.2. Detailed Project Report (DPR)

6.2.1. The DPR should include the following information among other details.

6.2.2. **Proposed Special Purpose Vehicle (SPV)** - Type of organisation, legal status, shareholding pattern (give details of any private participation such as PPP agreement, MoU etc. with model terms and structure), functions and responsibilities, budgetary allocation (if any), administrative department of the State for SPV.

(a) Governing Body: Constitution of governing body of the SPV.

(b) Key Personnel Details: Contact details of three senior officials of the Proposer. Details would include Name, Designation, Address, phone, email

(c) Contact Details of Authorized Representative: Details would include Name, Designation, Address, phone, email

Documents to be furnished: all applicable documents.

6.2.3. **Description of the Manufacturing Zone:**

(a) Details of area of land allocated for Manufacturing Zone, address and location.

(b) Land Acquisition details with Survey nos.

(c) Any change in the status of encumbrance, pending legal dispute etc. submitted earlier in the Proposal form.

(d) Connectivity and linkage (distance from the nearest Sea Port, National Highway, Airport, Railway Station, residential area, etc.)

(e) Strength of the Project location, description of the terrain, natural water resources available, type of land (forest, agriculture, etc.) and other relevant detail, if any.

(f) Specify the useable land (Industrial Plots and plotting pattern based on number and size of plots), number of projected manufacturing facilities, internal roads, green buffer, open space, social infrastructure, support facilities and CIF.

Document to be furnished: Layout of the proposed Manufacturing Zone and Geotagging details

6.2.4. **Cost estimation & source of funds:**

(a) Furnish detailed head-wise cost of:

(i) **Development of the Manufacturing Zone:** Provide breakup of cost into land development, green belt, internal roads, sewage, culverts, RCC drains, compound wall, street lighting, support facilities & misc. Provide cost of each building proposed in the Manufacturing Zone with purpose of such building.

(ii) **Development of Common Infrastructure Facility (CIF):** Provide break-up of cost of every project/ facility covered under common infrastructure facility as per Annexure 6.4.

(iii) **Development of Common Testing Facilities (CTF):** Details of cost break up for CTF will be as per the requirement based on the manufacturing units coming up in the Manufacturing Zone and will be submitted in due course by SPV once the list of manufacturing items is firmed up. The illustrative list of the CTF is given in Annexure 6.5.

(b) Give Source of funds under the following broad heads:

(i) Share of Central Government (Grant-in-aid)

(ii) Share of State Government (Please specify details of Budgetary Allocation, Equity, Loan or any Other form of funding), if any

(iii) Other Source of funds (Please specify the source as bank loans, public bonds, private participation etc.)

(c) Specify whether external funds, if any, shall be raised by the Proposer and proposed model of fund raising.

(d) Give phase-wise disbursement schedule of funds from all the sources till completion of the Manufacturing Zone.

6.2.5. **Source of Revenue:** Furnish the detailed sources of revenue, with estimated annual revenue from each source.

- (a) Budgetary Allocation from the State, if any
- (b) Land lease charges
- (c) Utility Charges
- (d) Any other source of revenue envisaged

Revenue Head	Charge per unit	Annual Revenue (Rs. in crore)
Land Lease	Per sq. meter	
Power	Per kWh	
Water	Per kilolitre	
Manufacturing Zone Facilitation charge	Monthly / Quarterly / Yearly	
Equipment Testing Charges	As per the testing	
Any other	Specific nature and unit	

6.2.6. **Development of Common Infrastructure Facility (CIF):** The SPV is required to submit the detail for individual project item/ facility under CIF, as defined in Annexure6.4.

- (a) Brief description of the project item/ facility,
- (b) Estimated capacity with detailed justification for arriving at such capacity considering area of the Manufacturing Zone, proposed number of manufacturing units etc.
- (c) Cost of each project item/ facility
- (d) Comment on the technology proposed to be adopted for creation of CIF
- (e) Timelines for starting the construction and completion of individual project item/ facility
- (f) Phasing of individual project item/ facility based on the estimated allotment of land to manufacturing facilities.

6.2.7. **Development of Common Testing Facility (CTF):** The SPV is required to submit the detail for individual project item/ facility under CTF, as defined in the illustrative list in Annexure6.5 after the list of items to be manufactured in the zone is firmed up.

- (a) Brief description of the project item/ facility
- (b) Cost of each project item/ facility
- (c) Timelines for starting the construction and completion of individual project item/ facility
- (d) Phasing of individual project item/ facility, based on the estimated allotment of land to testing facilities
- (e) Accreditation of Laboratory as per National and International standards

6.2.8. **Infrastructure Support by the State:** The DPR should contain the following for support infrastructure to be provided by the State with timelines of completion:

- (a) **Power & Water:** Detailed plan for committed source of water and power supply with capacity and adequacy to support the size of Manufacturing Zone and projected number of manufacturing units. Provide details of any necessary infrastructure to be created by the State like dedicated water reservoir and pipe-line etc. with timelines.
- (b) **Required Infrastructure:** State shall provide infrastructure, such as road, sewage, sanitation etc. up to the Manufacturing Zone

6.2.9. Schedule for completion of the Manufacturing Zone

- (a) Provide the Manufacturing Zone implementation schedule based on Program Evaluation and Review Technique (PERT), Critical Path Method (CPM) and Gantt Chart including financial expenditure plan for each activity with proposed starting and completion date.
- (b) Provide the "Schedule Date of Commercial Operations of the Manufacturing Zone".

6.2.10. Single Window Mechanism:

- (a) Provide details of single window mechanism proposed to be set-up in the Manufacturing Zone for giving clearance to the manufacturing units.
- (b) Mention if any clearance under the proposed single window mechanism is to be given by Central government.
- (c) Provide details, if any clearance is not proposed to be kept under the single window mechanism and the reason for the same.

6.2.11. Financial viability of the Manufacturing Zone:

- (a) Provide detailed market survey with respect to existing manufacturing status of equipment/ component/ raw material required for Power sector in the State, strategic and locational advantage of the Manufacturing Zone for new investment, policies of the State government to attract Foreign Direct Investment/ Domestic investment in the Sector, any MoU/ commitment from the interested investors to set-up units in the proposed Manufacturing Zone etc.
- (b) Provide financial projection taking into account projected revenue, budgetary allocation, estimated occupancy, operational expenses, interest expense (if any) and other relevant factors.
- (c) Provide projected P&L, Balance Sheet, Cash Flow projection with detailed assumption and key ratio such as IRR, NPV, minimum occupancy for Break Even etc.

6.2.12. Regulatory Approvals:

Provide detail of all regulatory approvals and clearances required from State Government and Central Government with timelines, procedure and also whether the proposed Manufacturing Zone and construction plan as per DPR is in compliance with the applicable regulations and standards.

6.3. Indicative List of Renewable and Power Equipment

6.3.1. Indicative list of preferred products for Renewable and Power equipment are given below. Preference to be given for allotment of the land to the manufacturing units to be set up for manufacturing the equipment as per list for which the indigenous manufacturing capacity is Not-Available/Limited Availability of manufacturing capacity.

(a) **RE Manufacturing Units**

(i) **Solar PV**

- (A) PV Modules
- (B) Thin Film
- (C) Inverters
- (D) Trackers
- (E) PV Cells
- (F) Silicon Wafers
- (G) Silicon Ingots
- (H) Raw material - Polysilicon
- (I) Top Surface - Glass
- (J) Junction Box
- (K) Aluminium Frames
- (L) Encapsulant - EVA
- (M) Back-Sheet
- (N) Silver Paste
- (O) Tabbing Wires
- (P) Crucibles
- (Q) Silicon Carbide
- (R) MG Silicon
- (S) Monosilane Gas
- (T) Module Mounting Structure
- (U) DC and AC Cables
- (V) Blocking diode, charge controller, circuit breaker, switch gear
- (W) Battery
- (X) Transformer (Grid/Distributed)

(ii) **Wind**

- (A) Rotor/Blades
- (B) Pitch Drive
- (C) Hub
- (D) Shaft
- (E) Nacelle
- (F) Controllers
- (G) Generators
- (H) Gearbox
- (I) Yaw Mechanism
- (J) Bearings
- (K) Break
- (L) Transformer
- (M) Tower
- (N) Base
- (O) Cables
- (P) Converters

(iii) **Others (Solar Thermal)**

- (A) Reflectors
- (B) Receiver Tubes
- (C) Vacuum Tubes
- (D) Solar Turbines
- (E) Reflector Coatings
- (F) Absorber Coatings

- (G) Reflector Stands
- (H) Solar Mirror
- (I) Steam drum
- (J) Receiver
- (K) Level controller
- (L) Level switch
- (M) Pressure Gauge
- (N) Pressure Switch
- (O) Valves
- (P) Piping
- (Q) Pumps
- (R) Tracking System
- (S) PLC

(iv) Biomass

(v) Small Hydro

(vi) Solar Pumps

(vii) Solar Dryer

(viii) Solar Chiller

(ix) Solar Water Purifier

(x) Solar Cold Storage

(xi) Green Hydrogen Generation Plants

(xii) Any Other Manufacturing units approved by SSC

(b) Power Manufacturing Units

(i) Transmission

- (A) Resin insulated Bushings for GIS
- (B) Composite Post Insulators (Special Design)
- (C) GIS-Gas Insulated Substation
- (D) High Power Thyristors, IGBTs for HVDC, SVC, Statcom and other application
- (E) Wall Bushing for HVDC, SVC, STATCOM Applications
- (F) HVDC Control & Protection system
- (G) Air Core Reactor
- (H) Converter Transformer
- (I) Silicone Rubber used in polymer insulators etc
- (J) Gas Insulated Voltage Transformer (VT)
- (K) Resin insulated Bushings for GIS
- (L) Hollow Polymer Housing for Substation/ Switchyard equipment
- (M) Gas Insulated Voltage Transformer (VT)
- (N) DCCT (ZFCT & OPTICAL)
- (O) DC Voltage Divider
- (P) Capacitor Voltage Divider/Inductive Voltage Divider (Valve firing)
- (Q) Reactor
- (R) Mould for Composite Hollow Insulators

(ii) Distribution

- (A) Servers
- (B) Firewalls
- (C) Routers
- (D) Data Storage
- (E) Storage Controller / Battery Management Systems
- (F) Head End System (HES) for Smart Meters
- (G) Meter Data Management System (MDMS)

(iii) Others

- (A) CRGO coils
- (B) MOV Blocks for Surge Arresters
- (C) ZnO blocks for DC Surge Arresters

- (D) Resin impregnated Paper/synthetic (RI) Bushings 245/400

6.4. Common Infrastructure Facilities

(a) Basic Development

- (i) Site development including levelling, cutting & filling etc.
- (ii) Boundary / compound wall (3m height)
- (iii) Internal RCC road network with multiple entry exit to the Manufacturing Zone, culverts, bus stops, traffic control signals, road markings & sign boards etc. [9m wide road (2 lane) in peripheral across all shops (all four sides of plant) with other facilities]
- (iv) Parking, Logistic bays
- (v) Landscaping including Plantation of trees
- (vi) Weighing Bridge (3 Nos)
- (vii) Water supply & pumping station (Raw and potable water)
- (viii) Drainage & sewerage system
- (ix) Cost of Sewerage Treatment Plant (200-300 lts per day per person for 500 persons)
- (x) Rain water harvesting with 50 Nos. of pits
- (xi) Solid Waste management facility including vehicle and composting plant

(b) Essential Services

- (i) Dedicated 220kV GIS sub-station and distribution system with the necessary transformers and transmission lines / underground cables for uninterrupted supply of electricity [220/33 kV, 2x100 MVA, GIS substation]
- (ii) Solar street lighting, high mast lighting and emergency lighting
- (iii) Firefighting service station
- (iv) Dispensary / medical facility
- (v) Dedicated police station
- (vi) Centralized security arrangement (through security agency) for providing security guards for all manufacturing plants and for the watch and ward of the hub
- (vii) Advanced IT support including high speed broadband & wi-fi service through fibre optic network with communication tower
- (viii) Assembly and evacuation area during emergency
- (ix) Water desalination plant (Only mandatory for Coastal States)

(c) Other Facilities

- (i) Common facility center (Zero energy Building)
 - (A) Administrative office
 - (B) Telecom service station
 - (C) Halls for conferences & meetings with all necessary facilities
 - (D) Training centre
 - (E) Bank and ATM facilities
 - (F) Post-office and Courier service
- (ii) Fuel station / EV charging station (2 Nos.)
- (iii) Temporary arrangement for construction workers
- (iv) Common Warehouse [Pre-Engineered Building (PEB) structure] with multiple compartments (2 nos.)
- (v) Common logistics (clearing, forwarding, insurance, transportation, customs, weighbridges etc.)

Note:

1. For the above Common Infrastructure Facilities (CIF) an amount of Rs. 160 Crores (approx.) is estimated (for Green field zone) and will be apart of the Central Grant to the State.

2. The list of common facilities/centre given above is indicative and States/SPV are encouraged to plan for more facilities, if required.
3. Any additional work beyond the scope of the above Central Grant for CIF shall be executed by the State government /SPV through their own grant.

6.5. Common Testing Facilities

(a) Common Testing Facilities (for Solar and Wind Equipment)

Common Testing Facilities (for Solar and Wind equipment) may comprise of the following tests depending upon the manufacturing facility set in the Manufacturing Zone:

List of testing standards:

(List is not intended to be inclusive of all test standards)

Solar Cell	Solar cell characterization
	IEC 60904-3, IEC 60904-9
	IEC 60904-7
Module	IS 14286-1:2019/IEC 61215-1:2016 Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements
	IS 14286-2:2019/IEC 61215-2:2016 Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures
	IS 14286-1-1:2019/IEC 61215-1-1:2016 Terrestrial photovoltaic (PV) modules - Design qualification and type approval -Part1-1:Special requirements for testing of crystalline silicon photovoltaic (PV)modules
	IS 14286-1-2:2019/IEC 61215-1-2:2016 Terrestrial photovoltaic (PV) modules - Design qualification and type approval -Part1-2:Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules
	IS 14286-1-3:2019/IEC 61215-1-3:2016 Terrestrial photovoltaic (PV) modules - Design qualification and type approval -Part1-3:Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules
	IS 14286-1-4:2019/IEC 61215-1-4:2016 Terrestrial photovoltaic (PV) modules - Design qualification and type approval -Part1-4:Special requirements for testing of thin-film Cu(In,Ga)(S,Se) ₂ based photovoltaic (PV)modules
	IS/IEC61730-1:2016 Photovoltaic(PV) module safety qualification-Part1: Requirements for construction
	IS/IEC61730-2:2016Photovoltaic(PV)module safety qualification-Part2: Requirements for testing
	IEC 61701:2020 Photovoltaic (PV) modules - Salt mist corrosion testing

	IEC 62716:2013 Photovoltaic (PV) modules - Ammonia corrosion testing
	IEC TS 62782:2016 Photovoltaic (PV) modules - Cyclic (dynamic) mechanical load testing
	IECTS62804-1-1:2020Photovoltaic(PV)modules-Test methods for the detection of potential-induced degradation-Part1-1:Crystalline silicon- Delamination
	IEC61853-1:2011Photovoltaic(PV)module performance testing and energy rating-Part1:Irradiance and temperature performance measurements and power rating
	IEC61853-2:2016Photovoltaic(PV)module performance testing and energy rating-Part2:Spectral responsivity, incidence angle and module operating temperature measurements
Inverter	IS/IEC 61683, EN 50530, IEC 62116/IS16169, IEC 62109-1,2,3, IEC 61727, IEC/TS 62910:2015, IEC 62509 (up to 100kW system)
	IEC 62109-1,2,3
	IEC 60068-2-(1,2,14,30)
	IEC 61727
	IEC 62920:2017
	IEC 62109/IS 1622-1,2
Battery	IS 13369, IS 15549, IS 1651, IEC 61427, IS 6270
	IEC 62133 - Safety requirements for portable sealed secondary cells
	IEC 61960 - Secondary lithium cells and batteries for portable applications
	IEC62660-2-Secondary lithium-ion cells for the propulsion of electric road vehicles - Part 2: Reliability and abuse testing
Solar Light	MNRE technical specifications for Solar Photo voltaic Lighting Systems & Power Packs
Pump Set	MNRE Specification for pump testing (Up to 10 HP system)
Wind turbines	Wet Chemical Analysis and Process Characterization Gas Chromatography Gel Permeation Chromatograph
	Fourier Transform Infrared Spectroscopy UV Vis Spectrophotometer Scanning Electron Microscope Air circulatory ovens Humidity chambers Incubators Auto titrator Refracto meter Brookfield Viscometer Rheometer

	Gel timer Density meter Differential scanning calorimeter Muffle furnace Flacktek High sped Mixer
	Wind- Facility for moulding and composite processing
	Infusion set-up Resin Transfer Moulding5 Compression Molding Press Molds Vacuum Pumps 2k dispensing and metering machine
	Wind Mechanical characterization
	Universal testing machine 50 KN Universal testing machine 100 KN Fatigue testing machine 25 KN Fatigue testing machine 50 KN Creep testing machine Impact testing machine Heat distortion temperature instrument Dynamic mechanical analyser Thermo mechanical analyser Thermo gravimetric analyser Jigs and accessories

(b) Common Testing Facilities (for Power Equipment)

Common Testing Facilities (for Power equipment) may comprise of the following tests depending upon the manufacturing facility set in the Manufacturing Zone:

I. Test
1. Dry power-frequency voltage withstand and flashover test
2. Lightning Impulse voltage withstand and flashover test
3. Dry and wet switching Impulse voltage withstand and flashover test
4. Steep front impulse voltage test
5. Chopped Impulse tests
6. Multiple chopped Impulse test
7. Wet power-frequency voltage withstand and flashover test
8. Measurement of capacitance and dielectric dissipation factor
9. RIV test
10. Corona test
11. Voltage distribution test
12. DC voltage withstand test,
13. Partial Discharge test
14. RIV test on unit disc insulators,
15. Puncture test on unit disc insulators
16. Test for accuracy
17. Transmitted over voltage test
18. Separates source voltage withstand test
19. Induced overvoltage withstand test with PD measurement
20. Ferro resonance, transient response and short circuit withstand capability test

II. Material handling equipment for common testing facilities
<ol style="list-style-type: none">1. Air lifting cushion for sample and source movement with 100 ton capacity2. EOT crane with 10 ton capacity (with 2 hooks) for main hall3. 40 m Battery operated aerial platform – 1 Nos.4. Tele handler 40 Ton and 40 m height5. Tripod and EOT crane arrangement for un-tanking, etc6. Hydra 20 ton , 20 m boom length 1 No7. Trailer and tow tractor – 1 No8. Battery operate fork lit :05 ton capacity -1 Nos9. Diesel operated 5 ton capacity forklift10. Electrical Substation (2 bays), panels, cables and electrification of entire labs, street lights, day lights, etc11. Wetting arrangement, pollution nozzles, flow meters, conductivity meters, electrical accessories, sprayer, pumps, etc.12. Miscellaneous
III. Civil works
<ol style="list-style-type: none">1. RCC admin building of 100 m x 10 m x 3m (as per annexure 1)2. Main hall (Steel structures with RCC foundation as per annexure 1)3. RCC Roads, material handling bay etc.4. Epoxy flooring suitable for air lifting cushion5. Inter-hall movement rail arrangement

6.6. Format for seeking clarifications

Sl.	Clause no.	Existing Provision	Clarification required

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(Signature of Authorized Signatory of Proposer)
Name:
For:

Proposer's Rubber Stamp and Full Address.

[**Note to Proposers:** This format shall be used for submission of requests for seeking clarifications on the EOI per the provisions of Clause 5.3]