

# Last Date Extended to 15<sup>th</sup> June 2023

Government of Madhya Pradesh

INVITES

Expression of Interest (EOI)

## FOR INVESTMENTS IN MANUFACTURING ZONE FOR POWER AND RENEWABLE ENERGY EQUIPMENT

at Mohasa-Babai Industrial Area, District Narmadapuram, M.P.

**227.54 acres of Developed Industrial Infrastructure**  
**20 developed plots (0.97 acres to 15.8 acres)**

### Fiscal and Non-Fiscal Incentives

#### CONCESSIONAL RATES - LAND & UTILITIES

- One-time lease premium of ₹ 1
- Annual Lease Rent – ₹ 1 per sq mtr.
- 100% reimbursement of stamp duty and registration charges
- Annual Development charges - ₹ 20/sq. mtr.
- Power – ₹ 4.36/unit & Water – ₹ 25/KL
- 100% electricity duty exemption (5 years)

#### FISCAL INCENTIVES

- Capex subsidy upto 40%
- Capex subsidy on employment generation, export units
- 100% reimbursement of SGST & patent charges (upto 5 lakhs)
- PF/ESI/medical insurance assistance

#### CONNECTIVITY & LOGISTICS

- Proximity to Itarsi (24 Km) – Bhopal (115 Km) – Narmadapuram (20 Km)
- National Highway – NH 46 (15 Km)
- Distance from ICD Mandideep – 70 Km

#### COMMON INFRASTRUCTURE FACILITY (CIF)

- 24\*7 power supply & Water Supply
- RCC Road, Drainage and Sewerage network, Parking, Logistics bay, Fuel Station and Ware House, STP, WTP
- Common facility center having cafeteria, dormitory, conference hall, training center, shops

#### COMMON TESTING FACILITY (CTF)

- **Solar Testing Facility** : PV module, Solar light, Inverter, Battery, Solar water pump & Solar cell
- **Wind Testing Facility** : Wind Tunnel & 5 MVA Grid emulation
- **Power Equipment Testing** : High voltage, Capacitors, Power Cables

Detailed Expression of Interest (Eoi) document can be downloaded from : [invest.mp.gov.in](http://invest.mp.gov.in)

Any queries can be submitted at : [techcell@mpidc.co.in](mailto:techcell@mpidc.co.in) by 06th June 2023 (5:00 PM)

Investors are requested to submit Eoi at : [techcell@mpidc.co.in](mailto:techcell@mpidc.co.in) by 15th June 2023 (5:00 PM)

**M.P. INDUSTRIAL DEVELOPMENT CORPORATION LIMITED**

21, Arera Hills, Bhopal, Madhya Pradesh

For more details check at : [invest.mp.gov.in](http://invest.mp.gov.in)

For queries connect : Shri S.S. Thenua (Executive Engineer), Mob : +91-9425648427

**Expression of Interest format - I**

**(Manufacturing zone for Power and Renewable energy equipment at Mohasa Babai Industrial area)**

**1. Company Details**

- a. Company Name :-----
- b. CIN No. :-----
- c. Brief Business description- :-----

**2. Investment Details**

- a. Proposed Investment- :-----
- b. Proposed Employment generation:-:-----
- c. Production Capacity- :-----

**3. Land Details**

- a. Land requirement- :-----

**4. Product Details**

- a. Product Profile and Application- :-----
- b. 06 Digit HS Code (in case of export):-:-----
- c. Product category (As specified in annexure II):-

**5. Testing facilities required for production- -----**

**6. Project Report**

- a. Power Requirement- :-----
- b. Water requirement- :-----
- c. Effluent Generation- :-----
- d. Effluent Characteristics- :-----

**Signature of the applicant**

**Note-** Kindly submit the duly filled EoI format with attachments via email

[techcell@mpidc.co.in](mailto:techcell@mpidc.co.in) Separate format should be submitted for each product.

**Last Date Extended to 15<sup>th</sup> June 2023**

**DETAILED EXPRESSION OF INTEREST (EoI)  
FOR INVESTMENT AT MANUFACTURING ZONE FOR  
POWER AND RENEWABLE ENERGY EQUIPMENT  
AT  
MOHASA BABAI INDUSTRIAL AREA,  
DISTRICT NARMADAPURAM, M.P**

by



**M.P. INDUSTRIAL DEVELOPMENT CORPORATION LIMITED,  
(MPIDC)  
Madhya Pradesh**

**May 2023**

## **INVITING EXPRESSION OF INTEREST (EoI) FOR INVESTMENT AT MANUFACTURING ZONE FOR POWER AND RENEWABLE ENERGY EQUIPMENT AT MOHASA BABAI INDUSTRIAL AREA, DISTRICT NARMADAPURAM, M.P.**

### **1.0 Background**

Power Sector plays an important role in the economic and industrial growth of the country. Reliable and 24x7 power at reasonable price is a vital component for country's industrial growth. Presently to support India's rapid Industrial growth, the increasing demand for electricity is met by conventional as well as Renewable Sources of Energy. The technology for conventional sources of energy are matured and the most of the equipment manufacturers are available indigenously. However, the for the generation of power through Renewable Sources of Energy, still there is major dependence on imports of renewable energy equipment. This trend is likely to be continued unless domestic capacity is ramped up with suitable policy support.

Government of India's target of 500 GW of Renewable Energy capacity addition had 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.

Considering the above, MNRE and MoP had jointly launched a scheme for establishment of Manufacturing Zones on pilot basis for Power & Renewable Energy Equipment.

The objectives is 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; To promote "Make in India" and 'Atmanirbhar Bharat' and to make India a global leader in the field of power and renewable equipment manufacturing; To promote indigenisation through domestic manufacturing of items presently being imported; 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 To exploit the benefits arising due to optimization of resources and economies of scale.

In view of the above Ministry of power has accorded approval to Govt. of Madhya Pradesh for setting up of manufacturing zone for power and Renewable energy equipment through MPIDC at Mohasa Babai industrial area, district Narmadapuram, M.P.

This EoI is published to invite investors for investment at manufacturing zone for power and renewable energy equipment at Mohasa Babai industrial area, District Narmadapuram, M.P.

### **2.0 About Manufacturing Zone**

MPIDC has developed Mohasa (Babai) Industrial Areas having area of 1679 acres into a World Class Industrial Growth Centers with State-of-Art infrastructure. Within the industrial area, MPIDC is further developing the manufacturing zone for power and Renewable energy



equipment having area of 227.54 acres.

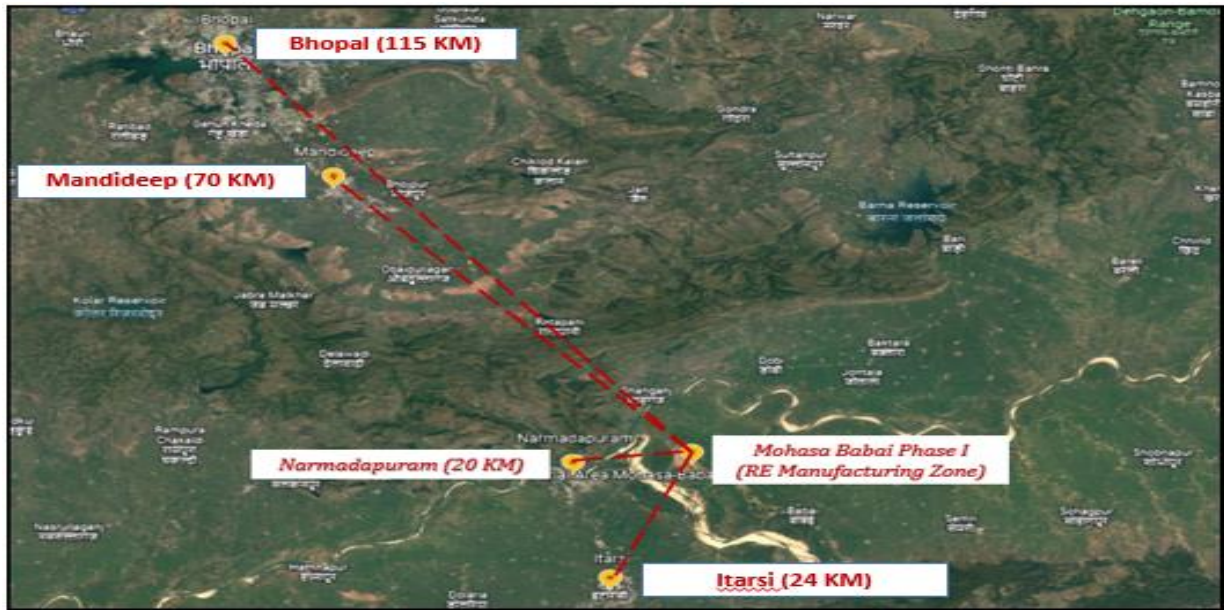
Manufacturing zone for power and Renewable energy equipment will have common infrastructure facilities (CIF) and common testing facilities (CTF)- Solar, Wind and Power equipment. Post establishment of CTF – the facilities to be operated and maintained by NISE, NIWE and CPRI and MPIDC will be responsible for day to day management of zone.



### 3.0 Location and connectivity

Site location and connectivity details are shown below:

S.No.	Particular	Distance
1.	Rail Heads	Narmadapuram Railway Station situated at 20 km; Itarsi Railway Station situated at 24 km
2.	National Highway	NH 46 – 15 Km
3.	Air Port	Bhopal Airport situated at 115 km
4.	Road	Narmadapuram Bus Stand situated at 20 km
5.	Nearest Inland Container Depot	Powarkheda situated at 23 km, ICD Mandideep situated at 70 km
6.	Nearest Port	Jawaharlal Nehru Port, Mumbai situated at 818 km



#### 4.0 land details

Manufacturing zone is divided into 20 nos. industrial plots having different sizes (refer annexure I). Land will be allotted on long term lease basis for minimum of thirty-five (35) years or for a lesser time period if requested subjected to terms and conditions.

#### Land rates

- Lease premium – one-time token amount of ₹ 1
- Lease Rent – ₹ 1 per sq meter per year (fixed for 35 years)
- Development charges- ₹ 20 per sq meter per year (fixed for 35 years)
- 100 % reimbursement of stamp duty and registration charges

#### 5.0 Proposed Common Infrastructure Facilities (CIF)

- RCC Road network, Multiple Entry -Exit
- Parking
- Water Supply & water treatment facility
- Drainage and Sewerage network
- Sewage treatment facility
- Solid Waste Management facility
- 24 \*7 power supply & Solar Street Lighting
- Centralized Security Arrangements
- Common facility center having cafeteria, dormitory, conference hall, training center, shops
- Common Logistics bay with weighing bridge
- Fuel Station
- Common Ware House

## 6.0 Proposed Common testing facility (CTF)

- **Solar Cell & Module Testing**
  - Solar PV module testing lab
  - Solar light testing lab
  - Inverter testing lab
  - Battery testing lab
  - Solar water pump testing lab
  - Solar cell testing lab
- **Wind Testing Facility**
  - Wind Tunnel facility (for calibration of Cup Anemometers, Wind Vanes)
  - 5 MVA Grid emulation facility (for Testing of Converter and Generator)
- **Power Equipment Testing**
  - High voltage Test Facilities
  - Capacitors Tests Facilities (HT & LT 33KV class)
  - LV Capacitors Tests Facilities (Up to 1KV class, 100KVAR )
  - Power Cable Test Facilities (Up to 33KV)

## 7.0 Fiscal and Non fiscal incentives

Parameters	Proposed Incentive
Power Charges	₹ 4.36 per unit (fixed for 5 first years thereafter 3 % y-o-y increase)
Water Charges	₹ 25 per KL (fixed for 5 first years thereafter 3 % y-o-y increase)
Capital subsidy for manufacturing units having capex of upto Indian Rupees One Hundred Crore (INR 1 00,00,00,000.00)	28.11% to 40.00% From 40.00% on ₹ 10 Cr investment to 28.11% on ₹ 100 Cr investment (in P&M and Building), payable in 7 years from commercial operation of the manufacturing unit.
Capital subsidy for manufacturing units having capex of above Indian Rupees One Hundred Crore (INR 1 00,00,00,000.00) and upto to Indian Rupees Five Hundred Crore (INR 5 00,00,00,000.00)	17.47% to 28.01% From 28.01% on ₹ 101 Cr investment to 17.47% on ₹ 500 Cr investment (in P&M and Building), payable in 7 years from commercial operation of the manufacturing unit. (Customize packages also available for investment above INR 100 cr)
Capital subsidy for manufacturing units having capex of above Indian Rupees Five Hundred Crore (INR 5 00,00,00,000.00)	10.00% to 17-46% From 17-46% on ₹ 501 Cr investment to 10.00% on ₹ 1,500 Cr investment (in P&M and Building), payable in 7 years from commercial operation of the manufacturing units. (Customize packages also available for investment above INR 100 cr)
Incentive in the form of SGST reimbursement, against investment	100% reimbursement of SGST, against investment

Parameters	Proposed Incentive
Any Other Subsidy	<ul style="list-style-type: none"> <li>• Impetus on employment generation - 1.0 to 1.5 multiple of Capital Subsidy, on employment generation by a unit in the range of 100 to 2,500 employees</li> <li>• Benefits to Export oriented units — 1.0 to 1.2 multiple of Capital Subsidy, on export of atleast 25% to 75% of production</li> <li>• 100% exemption from electricity duty for 5 years</li> <li>• Patent Charges reimbursement @100% upto ₹ 5 Lakh</li> <li>• Incentives to provide employment to person with Disabilities (minimum 5% of total workforce)</li> <li>• 100% reimbursement of expenses on skill development in Govt it is Employees PF/ESI assistance: Reimbursement of employee's contribution, maximum INR 6,000/- per month for 5 years</li> <li>• Medical insurance premium reimbursement.</li> </ul>

### 8.0 Eligibility criteria

- The applicant should be a large industrial house or established company based on nationally or internationally with a proven track record.
- The applicant should be in business of manufacturing the equipment as per the list (annexure II).

### 9.0 Submission of proposal

Interested applicants can download EOI from the website [www.invest.mp.gov.in](http://www.invest.mp.gov.in). They should submit their “Expression of Interest” in the format (Format I) duly filled and signed with required enclosures, at e mail: [techcell@mpidc.co.in](mailto:techcell@mpidc.co.in) by 15<sup>th</sup> June 2023 (5:00 PM).

Any queries can be submitted at:- [techcell@mpidc.co.in](mailto:techcell@mpidc.co.in) by 26<sup>th</sup> May 2023 (5:00 PM).

### 10.0 Nodal Officer for information about the EOI

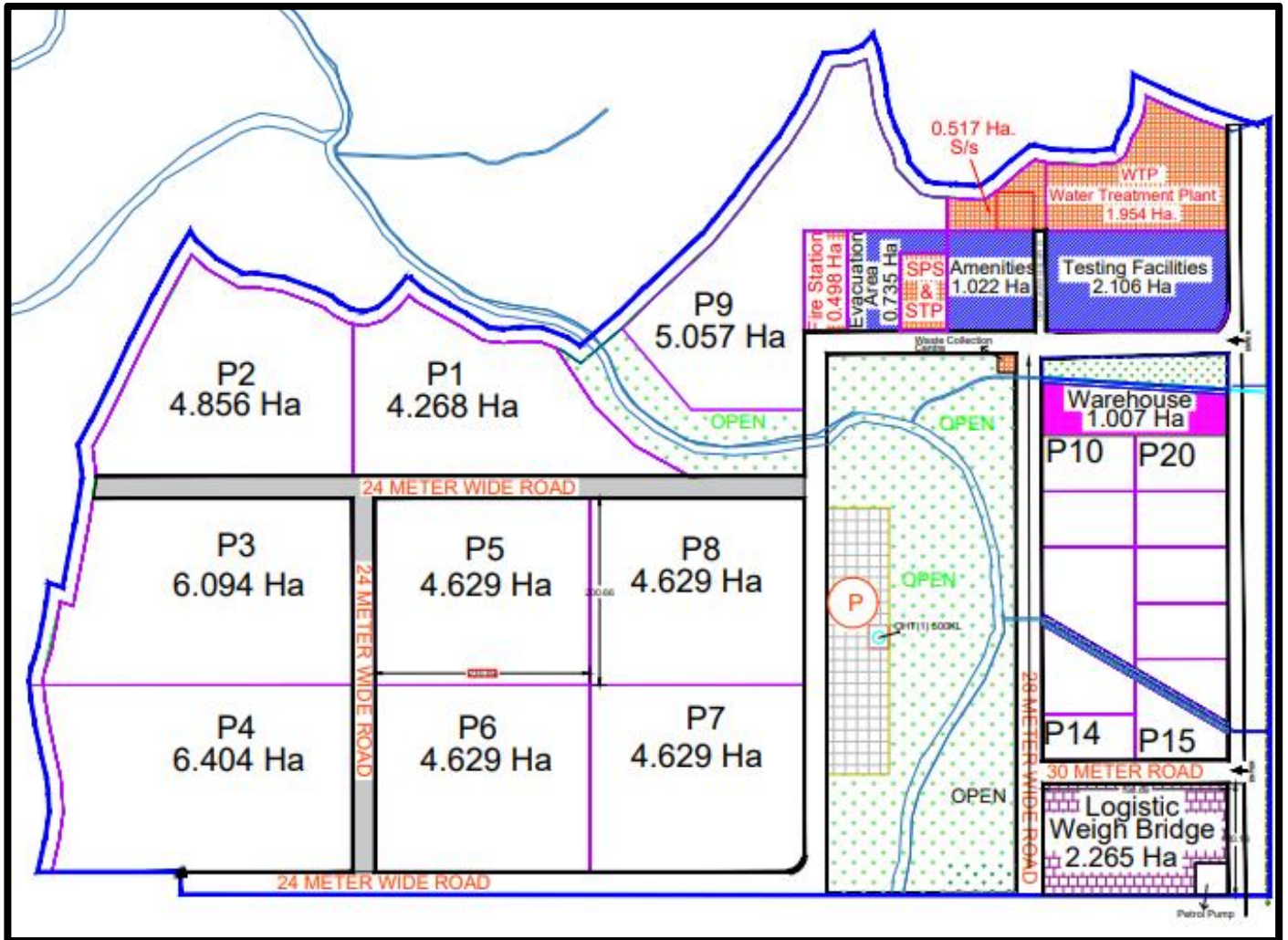
For any additional information pertaining to this EOI, the Officer below may be contacted:

**Name: Shri. S. S. Thenua**  
**Designation: Executive Engineer (RO Bhopal)**  
**Mob: + 91- 9425648427**



**Annexure I**  
**Manufacturing zone for Power and Renewable energy equipment at Mohasa Babai industrial area : Layout**

### Layout



### Plot Details

Plot Ref	Plot size		Area	
	Width (m)	Size (m)	In Ha	In Acre
<b>P1</b>	Irregular		4.268	10.542
<b>P2</b>	Irregular		4.856	11.994
<b>P3</b>	Irregular		6.094	15.052
<b>P4</b>	Irregular		6.404	15.818
<b>P5</b>	230.69	200.66	4.629	11.434
<b>P6</b>	230.69	200.66	4.629	11.434
<b>P7</b>	230.69	200.66	4.629	11.434
<b>P8</b>	230.69	200.66	4.629	11.434
<b>P9</b>	Irregular		5.057	12.491
<b>P10</b>	60	100	0.600	1.482
<b>P11</b>	60	100	0.600	1.482
<b>P12</b>	Irregular		1.745	4.310
<b>P13</b>	Irregular		4.995	12.239
<b>P14</b>	50	100	5.057	12.491
<b>P15</b>	Irregular		0.580	1.433
<b>P16</b>	Irregular		0.391	0.966
<b>P17 &amp; P20</b>	60	100	0.600	1.482

**Annexure II**  
**(Eligible Manufacturing units)**



## **List of Renewable and Power Equipment**

### **(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**

## **(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