

# WELCOME TO **MAHAPREIT**

**MAHATMA PHULE RENEWABLE ENERGY AND INFRASTRUCTURE TECHNOLOGY LIMITED**  
(A subsidiary of MPBCDC, Govt of Maharashtra Company ), Mumbai, India.



# PERSPECTIVE THOUGHT PROCESS AT MAHAPREIT

## Change Narrative: Paradigm shift

- Expectation of target sections have grown **exponentially**.
- Start ups and target beneficiaries can perform and deliver – **only need opportunity**.
- Information Technology has changed all spheres of life including **dimensions of Time and Geography**.
- Weaker sections to be supported for benefits of **Land reforms and Agro product value addition**.
- **Revenue & Assets Generation** activities will strengthen **own resources** clubbed with **access to opportunities in Core Business areas and Business acumen of BC beneficiaries**.





## Verticals at MAHAPREIT

1) Renewable Energy & Electric Vehicles (EV)	2) Agro Processing Value Chain and Biofuels
3) Infrastructure Projects, STP & Data Center	4) Energy Efficiency, Audit and ESCO Projects
5) Affordable Housing and Urban Planning	6) Women Entrepreneurship and Convergence
7) Environment and Climate Change	8) Health, Emerging Life Bio Sciences and Promoting Wellness (HELP)
9) Emerging Technology Areas and Futuristic Energy Integration	10) Corporate Community Development and CSR



## MAHAPREIT Solar Park Proposal

Setting up of 3 X 250 & 3 X100 solar parks ONE IN EACH REVENUE DIVISION with SECI or state PSU or any other model - PROPOSAL FOR SOLAR PARK WITH STATE /CENTRAL PSU



Respective schemes of GoM/Gol	<ul style="list-style-type: none"> <li>Under- MNRE scheme /MERC order compliance for RPO support and Solar Power deficiency compliance /Supporting SC farmers groups/</li> </ul>
Features -	<ul style="list-style-type: none"> <li>As per MNRE scheme</li> </ul>
Financials –	<ul style="list-style-type: none"> <li>As per MNRE scheme</li> </ul>
Business model –	<ul style="list-style-type: none"> <li>JV with Central PSU and /or Private partner with land as equity from GOM and equity contribution as available in GoM /Gol /CPSU schemes</li> <li>Project finance from banks / FIs under SC components</li> </ul>
Advantage to SC beneficiaries / community –	<ul style="list-style-type: none"> <li>Will explore how surplus revenue/ profit can be shared with SC beneficiaries like Industrial / commercial units, cooperatives, SC localities by supplementary tariff, Promotion of SC industries etc</li> </ul>
Support from GoM -	<ul style="list-style-type: none"> <li>Land to be made available. Equity participation if required , from GoM or NSFDC etc and FI/Corporate private equity</li> </ul>





## महाराष्ट्र शासन

उद्योग, ऊर्जा व कामगार विभाग

१९ वा मजला, नवीन प्रशासकीय भवन,

मादाम कामा रोड, हुतात्मा राजगुरु चौक, मंत्रालयासमोर, मुंबई-३२

Mob No.: ८६५२२४०९९९

Email Id: pramod.chaudhari@nic.in

क्रमांक : बैठक-२०२१/प्र.क्र.२६७/ऊर्जा-७

दिनांक : ११ एप्रिल, २०२२

प्रति,

अध्यक्ष व व्यवस्थापकीय संचालक.,

महाराष्ट्र राज्य विद्युत वितरण कंपनी लि. प्रकाशगड, चांद्रे(पुर्व), मुंबई-५१.

विषय : - महाप्रित कंपनीद्वारे सांगली जिल्ह्यातील नियोजित १२५-१५० मेगावॅट क्षमतेच्या उभारण्यात येणा-या सौर ऊर्जा निर्मिती प्रकल्पातून निर्माण होणा-या वीजेचा महावितरण कंपनी व महाप्रित कंपनी यांच्यात वीज खरेदी करार करण्याबाबत....

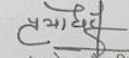
- संदर्भ :- १) अध्यक्ष व व्यवस्थापकीय संचालक, महाप्रित यांचे पत्र क्र.एमएचए/सीएमडी/सोलार प्रोजेक्ट/११२, दिनांक १३.१२.२०२१.
- २) शासन निर्णय समक्रमांक दि.१७.२.२०२२.
- ३) संचालक (वाणिज्य), महावितरण कंपनी तथा शासन निर्णय समक्रमांक दि.१७.०२.२०२२ अन्वये गठीत केलेल्या उपसमितीचे अध्यक्ष यांचे दि.१७.०२.२०२२ चे पत्र.
- ४) संचालक (संचलन), महाप्रित यांचे पत्र क्र.महा/सांगली/सौर प्रकल्प/प्रस्ताव/१८२/२०२२, दि.३०.३.२०२२.

महाप्रित कंपनीद्वारे सांगली जिल्ह्यातील नियोजित १२५-१५० मेगावॅट क्षमतेचा सौर ऊर्जा निर्मिती प्रकल्पाच्या वीज खरेदी करारासाठी (PPA) दरासंदर्भात शिफारस करण्यासाठी संचालक (वाणिज्य), महावितरण कंपनी यांच्या अध्यक्षतेखाली उपसमिती व सदर उपसमितीने सादर केलेल्या अहवालाची छाननी करून पुढील कार्यवाहीची शिफारस करण्यासाठी प्रधान सचिव (ऊर्जा) यांच्या अध्यक्षतेखाली संदर्भाधीन दिनांक १७.०२.२०२२ च्या शासन निर्णयान्वये समिती गठीत करण्यात आली होती.

२. संचालक (वाणिज्य), महावितरण कंपनी यांच्या अध्यक्षतेखाली उपसमितीने दिनांक १७.०२.२०२२ च्या पत्रान्वये अहवाल सादर केला. सदर अहवालान्वये उपसमितीने महाप्रित कंपनीच्या सांगली जिल्ह्यातील नियोजित १२५-१५० मेगावॅट क्षमतेच्या सौर ऊर्जा प्रकल्पातून निर्माण होणारी वीज रु.२.८२/kwh या दराने महावितरण कंपनीने खरेदी करावी अशी शिफारस केली. त्याअनुषंगाने प्रधान सचिव (ऊर्जा) यांच्या अध्यक्षतेखालील समितीने दिनांक ०९.०३.२०२२ रोजी झालेल्या बैठकीत सदर प्रस्ताव व त्यास दिलेली कारणमिमांसा विचारात घेऊन प्रस्ताव मा.मंत्री (ऊर्जा) महोदयांकडे मान्यतेसाठी सादर करावा अशी शिफारस समितीने केली.

३. उक्त नमूद शासन निर्णय दिनांक १७.०२.२०२२ अन्वये गठीत केलेल्या संचालक (वाणिज्य), महावितरण कंपनी यांच्या अध्यक्षतेखालील गठीत उपसमितीचा अहवाल व उपसमितीने वीज दराबाबत केलेली शिफारस, सदर उपसमितीच्या अहवालाबाबत प्रधान सचिव (ऊर्जा) यांच्या अध्यक्षतेखालील गठीत समितीने केलेली शिफारस, सदर प्रकल्पामुळे अनुसूचित जातीतील संबंधीत जमीन धारकांना मिळणारे आर्थिक उत्पन्न, स्थानिक रहिवाशांचा होणारा सामाजिक/आर्थिक विकास, प्रकल्पाबाबतची समितीने केलेली सर्व कारणमिमांसा विचारात घेऊन महाप्रित कंपनीद्वारे सांगली जिल्ह्यातील नियोजित १२५-१५० मेगावॅट क्षमतेचा सौर ऊर्जा निर्मिती प्रकल्पातून निर्माण होणारी वीज महावितरण कंपनीने रु.२.८२/- प्रतियुनिट दराने महावितरण कंपनीच्या RPO मर्यादेत खरेदी करण्यास महावितरण कंपनीस शिफारस करण्यात येत आहे.

४. यानुसार उक्त नमूद वीज दरानुसार महावितरण कंपनी व महाप्रित कंपनी यांच्यात रु.२.८२/- प्रतियुनिट दराने वीज खरेदी करार करण्याची शिफारस करण्यात येत आहे. मात्र असा वीज खरेदी करार करताना विद्युत अधिनियम, २००३ व महाराष्ट्र विद्युत नियामक मंडळाचे विनियम इत्यादी यामधील तरतुदीनुसार/ नियमानुसार प्रक्रिया पूर्ण करण्यात यावी, अशी सुध्दा शिफारस करण्यात येत आहे. तसेच मा.महाराष्ट्र विद्युत नियामक आयोगामार्फत उक्त नमूद वीज दर स्विकारण्याकरीता (Tariff adoption) याचिका दाखल करण्यात यावी, अशीसुध्दा शिफारस करण्यात येत आहे.

  
(प्रमोद चौधरी)

कक्ष अधिकारी, महाराष्ट्र शासन

प्रत माहिती तथा आवश्यक कार्यवाहीस्तव अग्रेषित-

१) अध्यक्ष व व्यवस्थापकीय संचालक,

महात्मा फुले नवीकरणीय ऊर्जा व पायाभूत प्रौद्योगिकी मर्यादित, (महाप्रित), मुंबई.

२) महासंचालक, महाराष्ट्र ऊर्जा विकास अभिकरण,

औध रोड, स्पायसर कॉलेज समोर, पशुसंवर्धन आयुक्तालया शेजारी, औध, पुणे -४११०६७.



## **MAHAPREIT Solar Projects under PFR stage**

### **(1) MMR ULB (other than BMC) –**

- ❖ Proposal to set up single captive, open access SPP for ALL Mun Corporation around MMR
- ❖ Huge cost saving for all ULB, Cost economy by aggregating demand and time bound project implementation are few G2G basis work advantages to all stake holders
- ❖ Primary discussion with Pune MC and UDD are initiated.

### **(2) MIDC – Catering Aggregated solar power demand – Approx. 1000 MW**

- ❖ MIDC has shown interest in collaborating with MIDC for their captive consumers, aggregating.
- ❖ MAHAPREIT will work on cost saving (delta) or Capex/EPC model as the case may for different regions in Maharashtra where consumers wants to swap power with MIDC as distribution licensee.

### **(3) AGRI CONSUMER ELECTRICITY DISTRIBUTION WITH 5000 MW SOLAR PROEJCTS.**

### **(4) Major Mun Corporations ESCO projects - approx. 50 MW for water works and STP/Street lighting.**

### **(5) District specific Solar Projects under MAHADIEP.**

### **(6) Proposal to set up SPP on Irrigation dept spare ,unproductive lands – Primary discussion held.**

### **(7) 10 MW Integrated RE project at Ralegan Siddhi with Gr Mounted Solar, Roof top and lift irrigation scheme.**

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(म. फु .मा. वि. म. ची उपकंपनी )**



## MAHAPREIT Agri Energy Distribution Project under proposed SPV (MAEDCL)

### Status of Electricity Supply to the Agriculture pumps and its Recovery.

- 1) Out of total arrears **Poof** 63,000 Crs, @ 40,000 Crs are of Agriculture Pumps.
- 2) Out of total @ 81000Crs ARR, 20,000 Crs of Agriculture Supply.
- 3) Heavily subsidized up to @ 72%. ( 42 % - CSS and 30% - State Government)
- 4) Out of billed 28%, Recovery only 3.5 to 5%.
- 5) Arrears are piling up with interest. (@4500 to 5000 Crs/ annum from Ag)
- 6) Supply -** only 8/10 hours per day in rotation Day and night., 50% Load i.e. @7750 MW in Day and 50% in night hours.
- 7) Result -**
  - a) Unrest among Farmers as restricted night hours supply with poor quality.
  - b) Other Consumer must pay high Cross subsidy.
  - c) Government has to pay heavy subsidies and it is increasing year on year.
  - d) Distribution company not able to recover bills (loan for working capital).

***“NO BODY IS HAPPY”***



## MAHAPREIT Agri Energy Distribution Project under proposed SPV (MAEDCL)

### Agriculture Consumer Present Status (Sales, Billing & Subsidy)

1. MSEDCL is distributing the Electricity to the Farmers along with other Consumers in the State.

2.Consumer Details:- Total @44 Lakh Consumers, @ 210 Lakh HP/ @15500MW

#### MERC ARR Figures (FY2021-22)

ACoS	Rs./kWh	7.34
AG ABR	Rs./kWh	4.01
GoM Subsidy	Rs./kWh	1.80
Consumer pay rate	Rs./kWh	2.21
Cross subsidy	Rs./kWh	3.33

#### Ag connections and Sale

Ag Pumps	Lakh	44
Ag Sales	MU	27,000
Present Subsidy structure in Crs/annum		
GoM Pays		5400
Other Consumer Pays(CSS)		8991
Ag Consumer billed		5967
Total		20658

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## MAHAPREIT Agri Energy Distribution Project under proposed SPV (MAEDCL)

### Proposed Solution

1. New dedicated Company –SPV- MAEDCL (subsidiary of MSEDCL and MAHAPREIT).
2. Input based Distribution franchisee for Agriculture Electricity Distribution.
3. Input Energy measured on 11KV Agriculture separated Feeders.
4. Input Mus/annum at present MERC tariff will be fixed.
5. Present Distribution losses shall be considered for fixing Input Mus/annum.
6. Agriculture Demand will be met through Decentralized Solar.
7. Any saving in Input Mus will be paid to MAEDCL at CSS rate.
8. Trajectory of Savings in Loss of MSEDCL Ag bills will be prepared. (Maximum 80%)
9. Banking Provision for Solar Generation.
10. RPO/REC Benefit to MSEDCL.
11. Debt/Arrears will be retained by MSEDCL. Sharing of Incentives on recovery of Arrears.
12. Hassel free transition as against creation of new Agriculture Company.

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## **MAHAPREIT Agri Energy Distribution Project under proposed SPV (MAEDCL)**

### **Proposed Solution**

#### **MNRE/MoP on Agriculture Subsidy and Solarisation of Feeders**

- 1) MNRE (23.06.2020)- Business Models for Solarisation of Agricultural Feeders. ( KUSUM-c)....
- 2) Electricity subsidy of agricultural sector growing, increasing burden on States' financial resources.
- 3) States unable to provide subsidy on time, major cause of poor financial health of Discoms.
- 4) Solarisation of agricultural feeders and pumps reduce burden on State Govt.
- 5) GoI PM-KUSUM Scheme 30% subsidy for solarization of Ag feeders instead of solar pumps (more cost effective).
- 6) NABARD/PFC/REC loan can be paid-off in 3 to 4 years. Farmer will get free electricity during the day-time.
- 7) Payback period calculated for Maharashtra - 3.59 years (30306Mus/annum, Subsidy 17729 Crs/annum).

**महात्मा फुले नवीनीकरणीय ऊर्जा व पायाभूत प्रादुर्योगीकी मर्यादित  
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## **MAHAPREIT Agri Energy Distribution Project under proposed SPV (MAEDCL)**

### **Implementation Issues to be dealt with MSEDCL**

- 1) Load Flow Study/Technical feasibility
- 2) 1 phasing Residential consumer billing
- 3) 20% Mixed Consumer feeders.
- 4) Ag Consumer Billing issue.
- 5) Feeders Separation
- 6) Solar Banking/Standby Capacity
- 7) Land requirement near substation
- 8) Metering/AMR/joint reading
- 9) Deputation of Employees
- 10) Separate LIS model to be prepared

**महात्मा फुले नवीनीकरणीय ऊर्जा व पायाभूत प्राद्यौगीकी मर्यादित  
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## MAHAPREIT RESCO Projects with Municipal Corporations

**(1) RESCO (RE Saving cost model ) Projects - The typical RESCO Projects consist of –**

- a) Approx. 50 to 80 MW for water works and STP and city lighting needs in each MC
- b) Energy transition to RE Regime on solar /alternative energy
- c) Revamping and restructuring of major energy consuming amenities mainly STP and water works
- d) Street lighting
- e) Command Control Center
- f) Waste To Energy Projects
- g) EV Charging Infrastructure
- h) Any other energy efficiency program of GOI/GoM

- 1. MAHAPREIT entered MOU with PMC in April 2022 and with Nagpur on 10<sup>th</sup> Aug 2022, Recently received approval from Thane MC and discussions with Nashik and Meera Bhayender are in progress.
- 2. Financial Model – OPEX.
- 3. PMC Status – Definitive agreement for ALL 5 components done with PMC. Agency finalized for 2 components, DPR submitted for STP , SPV approval for 50 MW in final approval of GoM and Command control center DPR is in process.
- 4. NMC status- DPR of all competent sin progress.
- 5. GoM Approval needed for SPV.





## STP Update

1. Freezing Plan and layout
  1. DPR and Tender preparation
2. Financial model finalizing – Project cost approx. INR 600 cr civil construction ( for first phase – 2 towers of 23 floors) + INR 300 cr Data center /IT hardware / software, Utilities
3. Negotiating term loan
4. Equity provision



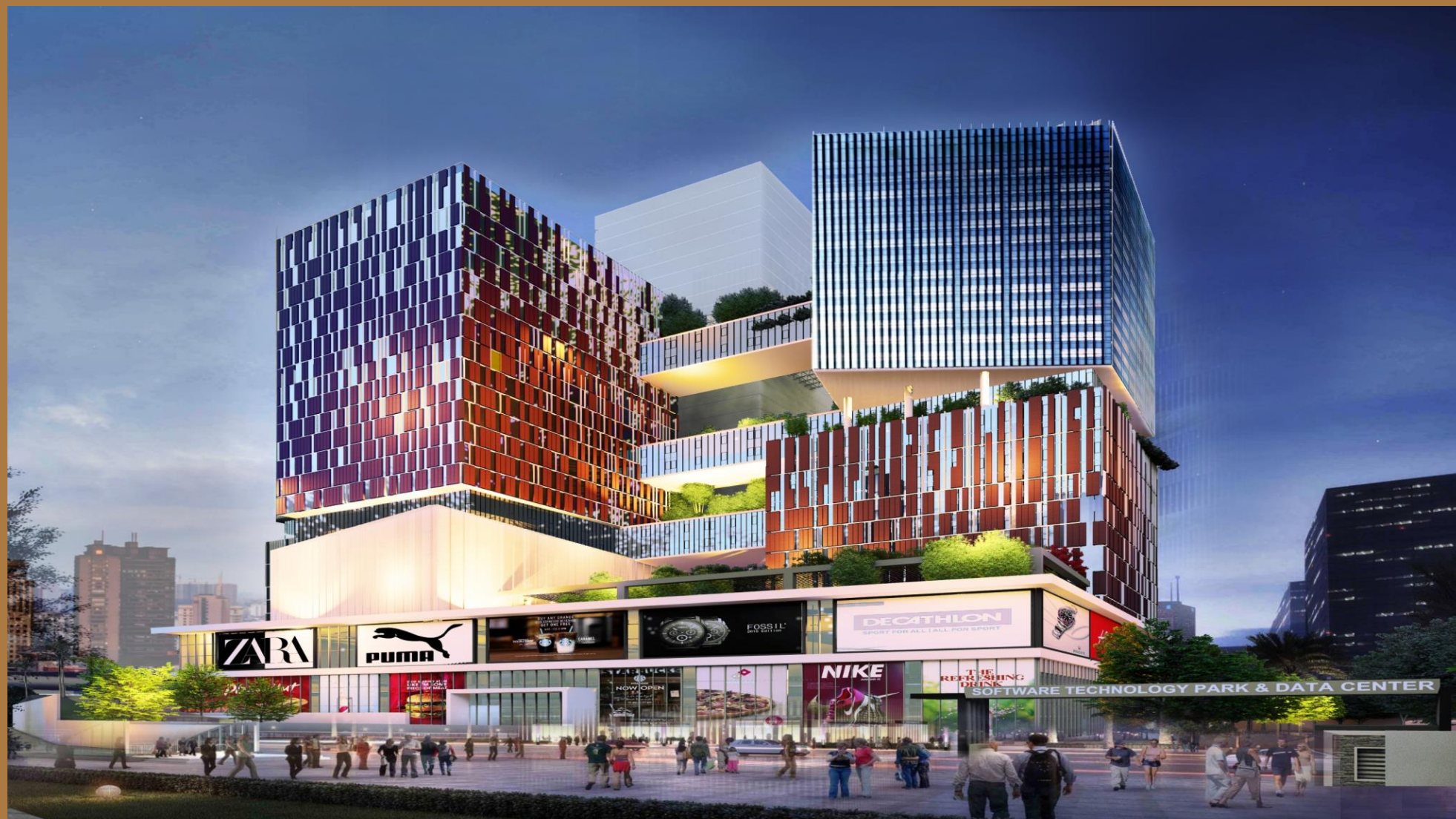
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(म. फु .मा. वि. म. ची उपकंपनी )





TOTAL AREA = 49383.2 SQM / 12.2 ACERS





# Pune Municipal Corporation RESCO Model Work



PUNE MUNICIPAL CORPORATION

वर्क ऑर्डर

मुख्य अभियंता ( वि ) कार्यालय,  
पुणे महानगरपालिका  
जा.क्र.- 369E  
दिनांक - ११/०३/२०२२ .

मे. महात्मा फुले रिन्यूएबल एनर्जी अँड  
इन्फ्रास्ट्रक्चर टेक्नॉलॉजी लिमिटेड ( MAHAPREIT ),  
प्लॉट - बी -501,502,पिन्कल कार्पोरेट पार्क,  
नेक्स्ट टू ट्रेड सेंटर, बांद्रा कुर्ला कॉम्प्लेक्स,  
बांद्रा ( ईस्ट ), मुंबई - 400 051

विषय- पुणे महानगरपालिकेच्या कार्यक्षेत्रातील विविध ठिकाणच्या वीज वापरामध्ये कमीतकमी 15% वीज बचत करण्यासाठी ESCO/BOT तत्वावर आवश्यक उपाय योजना व खरेदीसाठी 100% गुंतवणूक करून त्या ठिकाणच्या म.रा.वि.वि.कंपनीच्या बिलात होणाऱ्या वीज बचत पैकी 80% बचतीच्या रक्कम ( त्या ठिकाणच्या वीज दरानुसार ) 8 वर्ष कालावधीपर्यंत मे.महात्मा फुले रिन्यूएबल एनर्जी अँड इन्फ्रास्ट्रक्चर टेक्नॉलॉजी लिमिटेड ( MAHAPREIT ) यांना आदा करण्यास व त्यानुसार त्यांचेशी करारनामा करण्यास तसेच त्यांचेकडून या कामाचे 8 वर्ष कालावधीपर्यंत विना मोबदला दुरुस्ती व देखभालीचे कामे करणे.

संदर्भ - मा.स्थायी समिती,ठ.क्र.2375 दि.25/02/2022

महाशय,

- विषयांकित नमूद केलेले कामासाठी करारनामा करण्यास मा. स्थायी समिती यांचा ठराव क्रमांक 2375 दि. 25/02/2022 ने मान्यता मिळाली आहे व PMC च्या सल्ल्यानुसार उचित मुल्याच्या स्टॅम्प पेपरवर सामंजस्य करार ( MoU ) करण्यात आल्यानंतर सदर कामाचा करारनामा मसुदा फी रक्कम रुपये 350/- पुणे म.न.पा. कोष कार्यालयात रोख भरण्याची व्यवस्था करावी व पोच पावती तसेच करारनामा करण्यासाठी रक्कम रुपये 5,000/- चे स्टॅम्प पेपर्स व इत्यादी कागदपत्रे संबंधित टेंडर क्लार्क (श्रीमती पाटील) यांना आणून द्यावेत व त्यांच्याकडून स्टॅम्प पेपर्स मिळाल्याबाबत पोच पावती घ्यावी.
- हे पत्र मिळाल्यापासून एक आठवडा मुदतीचे आत स्टॅम्प पेपर्स आणून न दिल्यास आपणास सदरचे काम करावयाचे नाही असे समजून कोणतेही स्मरणपत्र न पाठवता आपले टेंडर रद्द करून आपणाविरुद्ध नियमाप्रमाणे कार्यवाही करण्यात येईल.
- हे काम सुरू करण्यासाठी श्री.प्रमोद उंडे, कार्यकारी अभियंता ( विद्युत ) ( संपर्क क्र. 9689931956 ), श्री.सुरेश पवार,उप अभियंता ( विद्युत ) ( संपर्क क्र. 9689931057 ) यांचेकडे संपर्क साधावा. या कामाची मुदत 8 वर्ष आहे. सदरची मुदत संपल्या, इन्स्टॉलेशन, टेस्टिंग व कमीशनिंग ( SITC ) चे काम पूर्ण झाल्याचे प्रमाणपत्र ( GO LIVE CERTIFICATE ) दिल्यापासून मोजण्यात येईल.
- 1970 सालचा कॉन्ट्रॅक्ट अॅक्ट, 1981 सालचा अॅक्ट अॅक्ट, 1985 सालचा वॉर्क कॉन्ट्रॅक्ट अॅक्ट, 1989 सालचा रिअॅनकेट वॉर्कअॅक्ट हे सर्व कायदे त्यातील तरतुदी, त्यांची योग्य ती पूर्तता करण्याची तरतुदी प्रमाणे वागण्याची व आवश्यक ते सर्व रेकॉर्ड्स ठेवण्याची जबाबदारी ठेकेदाराची असून आवश्यक सर्व कर भरण्याची जबाबदारी ठेकेदाराची राहिल.
- ठेकेदारास कामाच्या ठिकाणी नेमण्यात येणाऱ्या कामगारांचा तसेच कामाचा वॉर्कमेन कॉम्पेंसेशन अॅक्ट नुसार विमा उतरविणे आवश्यक आहे.
- काम सुरू करण्यापूर्वी म.न.पा.च्या नमुन्या नुसार तपशील बोर्ड लावावेत. विषयांकित काम मा. उप अभियंता (विद्युत) व शाखा / कनिष्ठ अभियंता यांचे देखरेख खाली करण्यात यावा.
- करारावर स्वाक्षरी केल्यापासून 60 दिवसांच्या आत आपणा ( मे. महाप्रीत ( MAHAPREIT )) मार्फत डीटेल DPR तयार करावा लागणार आहे.सदर DPR मध्ये इतर आवश्यक बाबींबरोबरच कामास लागणारा कालावधी

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नमूद करावा व अपेक्षित कालावधीपेक्षा जादा कालावधी लागल्यास दंडात्मक कारवाई करारनामामध्ये नमूद केल्यानुसार राहिल.

- करारनामा केल्याखेरीज पहिले रनिंग बिल आदा केले जाणार नाही.
- पुणे महानगरपालिकेच्या एकूण वीज वापरामध्ये कमीत कमी 15% रकमेच्या वीज बचत करणे आवश्यक आहे. यापेक्षा कमी वीज बचत झाल्यास त्या ठिकाणचे बचतीचे बिल देण्यात येणार नाही.
- सदर कामासाठी आपणा ( मे. महाप्रीत ( MAHAPREIT )) मार्फत तयार केलेल्या डीटेल DPR ला मान्यता मिळाल्यावर ESCO/BOT तत्वावर एनर्जी सेव्हिंगचे कामे करारनामामध्ये नमूद केल्यानुसार करण्यात यावी व त्या ठिकाणच्या वीज बिलानुसार वीज बचतीचे रक्कम आदा केले जाईल.
- ' Go Live Certificate ' हे प्रमाणपत्र पुणे महानगरपालिकेमार्फत देण्यात आल्यानंतर बचतीचे 80% रक्कम खालील वीज दराच्या ( टॅरिफ ) आधारे निर्धारित केले जाईल.


(Total amount of MSDDL/Power Discom company bill - fine if any+rebate)

वीज दर (टॅरिफ) = -----

KWh/KVAh consumed as mentioned in the bill

- सदर 8 वर्ष मुदतीचा काम करण्याचा कालावधी पूर्ण झाल्यावर त्या कालावधीमध्ये बदललेले साहित्य पुणे महानगरपालिकेला चालू स्थितीमध्ये हस्तांतरित मे. महाप्रीत ( MAHAPREIT ) यांनी करावे.

कळावे.

  
( श्रीनिवास कंदल )  
मुख्य अभियंता ( विद्युत )  
पुणे महानगरपालिका

प्रत:

- मा. कार्यकारी अभियंता (दक्षता विभाग)
- मा. प्राप्ती व चाचणीचे अर्थान्वीक्षक
- न्यू इंडिया इन्शुरन्स क. मित्रमंडळ चौक, पर्वती, पुणे.
- मा. उप अभियंता (विद्युत) - श्री.सुरेश पवार
- शाखा / कनिष्ठ अभियंता श्री.मोनाली मोरे
- टेंडर क्लार्क - श्रीमती पाटील
- गणक / अकौंटंट
- कामगार सल्लागार, पुणे महानगरपालिका

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## MAHAPREIT signed MOU with Pune Municipal Corporation



(Standard Post, Bureau) Mumbai, April 7: Today MAHAPREIT entered in MOU with Pune Municipal Corporation as strategic partnership for carrying out Design, Strategy, Planning, Implementation of Energy saving and/or cost saving measures. This MoU was signed by Shri Bipin Shirmali, IAS, CMD MAHAPREIT and Shri Vikramkumar, IAS, Municipal Commissioner to PUNE.

The project envisages sharing on saving in the cost of energy consumption with a large perspective development of weaker section with respect to creation of self

and wages employees. The initiative also aims to reduce carbon emission and de-carbonization in terms of generating solar power to replace the conventional power. The project being first of its kind in the state of Maharashtra as joint initiative of MAHAPREIT and Urban Local Body i.e. Pune Municipal Corporation which will benefit the city of Pune as well the weaker section of the society. The project also envisages supporting start up a local entrepreneurship to eligible entrepreneurs as may be identified under joint initiative of PMC and

MAHAPREIT. It will also set precedence to take up such projects in other Municipal corporations of state to have reduction in carbon emission as well saving in energy cost.

On this occasion Shri Bipin Shirmali, CMD MAHAPREIT expressed that this project will bring lots of energy saving, hence cost saving on energy bill to PMC in future.

Similarly, Shri Vikramkumar, Commissioner PMC expressed that this project will bring lot of benefits to PMC and satisfaction having signed MoU with MAHAPREIT (Subsidiary

company of MPBCDC).

On this occasion Dr Shri Kunal Khemnar, IAS, Additional Commissioner, Shri Shrinivas Kundal Chief Engineer (Electrical), Smt. Manisha Shekatkar S.E.(Electrical) of Pune Municipal Corporation and Shri Vijaykumar Kalam Patil, Director (Operations), Shri Virendra Jadhavrao (CFA), Shri Prashant Gedam, Executive Director (Admin), Shri Pankaj Shah (CLA), Chief General Managers Shri Shyamsunder Soni, Shri Satish Chaware, Shri Ganesh Choudhari and Shri Milind Awatade, PRO, Shri Prasad Dahapute were present.

## उर्जा बचत प्रकल्पासाठी महाप्रितचा पुणे महानगरपालिकेसोबत सामंजस्य करार संपन्न

पुणे, दि.०७। प्रतिनिधी

महाराष्ट्र शासनाच्या महात्मा फुले मागासवर्ग विकास महामंडळाअंतर्गत स्थापन करण्यात आलेल्या महात्मा फुले नविनीकरणीय उर्जा व पायाभूत प्रौद्योगिकी मर्यादीत (महाप्रित) या सहयोगी कंपनीने आज दि. ०७/०४/२०२२ रोजी पुणे महानगरपालिकेसोबत ऊर्जेची व उर्जा खर्चाची बचत, धोरण, यासाठी उपाययोजना करण्यासाठीच्या प्रकल्पासाठी सामंजस्य करार केला. या सामंजस्य करारावर महाप्रिततर्फे श्री. बिपिन श्रीमाळी, भा.प्र.से., अध्यक्ष तथा व्यवस्थापकीय संचालक, महाप्रित, यांनी तसेच श्री. विक्रमकुमार, भा.प्र.से., आयुक्त, पुणे महानगरपालिका यांनी स्वाक्षऱ्या केल्या. स्वयंरोजगार निर्मितीच्या संदर्भात दुर्बल घटकांच्या विकासाच्या दृष्टीकोनातून उर्जा वापराच्या खर्चात बचत करण्याची योजना



या प्रकल्पामध्ये आहे. पारंपारिक उर्जेच्या जागी सौर उर्जा निर्माण करण्याच्या दृष्टीने कार्बन उत्सर्जन आणि डी-कार्बोनायझेशन कमी करणे हे देखील या उपक्रमाचे उद्दिष्ट आहे. महाप्रित आणि स्थानिक स्वराज्य संस्था म्हणजेच पुणे महानगरपालिका यांचा संयुक्त उपक्रम म्हणून हा महाराष्ट्र राज्यातील पहिलाच प्रकल्प आहे, ज्याचा पुणे शहरासह समाजातील दुर्बल घटकांनाही उपयोग होणार आहे. पुणे महानगरपालिका (झचउ) आणि महाप्रित यांच्या

संयुक्त उपक्रमांतर्गत ओळखल्या जाणाऱ्या पात्र उद्योजकांना स्थानिक उद्योजकता सुरू करण्यास समर्थन देण्याचीही या प्रकल्पाची कल्पना आहे. कार्बन उत्सर्जन कमी करण्यासाठी तसेच उर्जा खर्चात बचत करण्यासाठी राज्यातील इतर महानगरपालिकांमध्येही असे प्रकल्प हाती घेण्यास त्यामुळे चालना मिळेल. यावेळी श्री. बिपिन श्रीमाळी, अध्यक्ष तथा व्यवस्थापकीय संचालक, महाप्रित यांनी असे मत व्यक्त केले की, या प्रकल्पामुळे मोठ्या

प्रमाणात उर्जा बचत होईल. त्यामुळे भविष्यात पुणे महानगरपालिकेच्या विद्युत देयकांच्या खर्चात बचत होईल. त्याचप्रमाणे पुणे महानगरपालिकेचे आयुक्त श्री. विक्रमकुमार यांनी या प्रकल्पाचा पुणे महानगरपालिकेला खूप फायदा होणार असल्याचे मत व्यक्त करून महाप्रित सोबत सामंजस्य करार केल्याबद्दल समाधान व्यक्त केले.

यावेळी डॉ.श्री कुणाल खेमनार, भा.प्र.से., अतिरिक्त आयुक्त, श्री. श्रीनिवास कुंदल, मुख्य अभियंता (विद्युत), श्रीमती मनीषा शेकटकर, अधिक्षक अभियंता (विद्युत) पुणे महानगरपालिका, श्री.विजयकुमार काळम पाटील, संचालक (संचलन), महाप्रित, श्री.प्रशांत गेडाम, कार्यकारी संचालक (प्रशासन), महाप्रित, मुख्य महाव्यवस्थापक श्री श्यामसुंदर सोनी, श्री. सतीश चवरे, श्री.गणेश चौधरी, श्री.विंरेंद्र जाधवराव, श्री. पंकज शहा, श्री.प्रसाद दहापुते आणि श्री.मिलिंद अवताडे जनसंपर्क अधिकारी हे उपस्थित होते.

Passing out Function of 32 IRSSE



## Smart Energy Meter Replacement

1. Ministry of Power, Government of India Vide OM 20/7/2021 has planned for major reforms in the power sector of which the highest priority has been given to the implementation of “Smart Metering” including replacement of existing meters with smart metering.
2. MOU signed with EESL/CESL and proposal to have project implementation on G2G basis/MOU route with MSEDCL and BEST under process . Other state DISCOMS are also to be examined for G2G route work.
3. JV with Intellismart (JV of NIIF & EESL) – GoI SPV co for smart meter is planned.
4. JV or SPV will do it on OPEX / Cost saving model.
5. Approximate work force requirement 120 person /Month/10,000 SM replacement. Huge Employment potentials can be created.





## Electric Vehicles Charging Infrastructure



**MAHATMA PHULE RENEWABLE ENERGY AND INFRASTRUCTURE TECHNOLOGY LIMITED**  
(A subsidiary of MPBCDC, Govt of Maharashtra Company )



**Maharashtra DGIPR** ✓

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#महाप्रित व #CESL मार्फत #मुंबई शहरात १३४ #ईव्ही चार्जिंग स्टेशनच्या पायाभूत सुविधा उभारण्याबाबत वांद्रे येथील मुंबई क्रिकेट असोसिएशन क्लबमध्ये चर्चासत्र झाले. यात माजी मुख्य सचिव स्वाधीन क्षत्रिय, माजी अपर मुख्य सचिव ए.के.जैन, #महारेरा चे सदस्य डॉ.विजय सतबीर सिंग यांचा सहभाग होता.



## मुंबई शहरात १३४ ईव्ही चार्जिंग स्टेशनच्या सुविधा उभारण्याबाबत चर्चासत्र

मुंबई : महाप्रित व C.E.S.L. मार्फत मुंबई शहरात १३४ ईव्ही चार्जिंग स्टेशनच्या पायाभूत सुविधा उभारण्याबाबत मुंबई क्रिकेट असोसिएशन क्लब, वांद्रे येथे आज एक चर्चासत्र आयोजित करण्यात आले होते. या चर्चासत्रासाठी माजी मुख्य सचिव श्री. स्वाधीन क्षत्रिय, माजी अपर मुख्य सचिव श्री.ए.के.जैन, माजी अ.मु.स. व महारेरा चे सदस्य डॉ.विजय सतबीर सिंग, महाप्रितचे व्यवस्थापकीय संचालक श्री. बिपीन श्रीमाळी, शासनाच्या सामाजिक न्याय विभागाचे सचिव श्री.सुमंत भांगे, महाप्रितचे संचालक श्री. विजयकुमार ना. काळम, श्री. सुभाष लाखे तसेच महाराष्ट्र चेंबर ऑफ हौसिंग इंडस्ट्रीचे श्री. सतीश कुमार कुमार इत्यादी मान्यवर उपस्थित होते.



कार्यक्रमाची सुरुवात स्वाधीन क्षत्रिय यांच्या हस्ते दिपप्रज्वलन करून करण्यात आली. कार्यक्रमाच्या प्रस्ताविकात महाप्रितचे संचालक विजयकुमार ना.काळम यांनी या कार्यक्रमाचा उद्देश, महाप्रितच्या स्थापनेमागील उद्देश व इतर माहिती यावर भाष्य केले. या कार्यक्रमासाठी मा.मंत्री, सामाजिक न्याय व विशेष सहाय्य यांच्या नियोजित कार्यक्रमांमुळे या कार्यक्रमास उपस्थित राहू न शकल्याने त्यांचा संदेश काळम यांनी वाचून दाखविला.

महाप्रितचे कार्यकारी संचालक रविंद्र चव्हाण यांनी इलेक्ट्रीक व्हेईकल चार्जिंग स्टेशनबाबत सविस्तर सादरीकरण करून इलेक्ट्रीक व्हेईकल चार्जिंग स्टेशनची आवश्यकता त्याचे फायदे, मुंबईत करावयाच्या इलेक्ट्रीक व्हेईकल चार्जिंग स्टेशनचे स्वरूप व त्यासाठी लागणारा खर्च, इलेक्ट्रीक व्हेईकल चार्जिंग स्टेशनच्या जागा तसेच चार्जर्सचे प्रकार, चार्जिंग स्टेशनचे विविध मॉडेल, व्यावसायिक मॉडेल इत्यादीबाबत सादरीकरणाच्या मार्फत सविस्तर माहिती दिली.

महाराष्ट्र शासनाचे सामाजिक न्याय विभागाचे सचिव सुमंत भांगे यांनी इलेक्ट्रीक व्हेईकल चार्जिंग स्टेशनची आवश्यकता याबाबत मार्गदर्शन केले.

महारेराचे सदस्य डॉ.विजय सतबीर सिंग यांनी महारेरा, विकासक, भविष्यात येणारे तंत्रज्ञानातील बदल व आव्हाने, भविष्यात बदलणाऱ्या आर्थिक

निकष, नवीन तंत्रज्ञान व कार्बन फुटप्रिंट, गृहनिर्माण संस्थांमध्ये उभारण्याचे चार्जिंग स्टेशन इत्यादीबाबत सविस्तर चर्चा केली.

महाराष्ट्र शासनाचे माजी अपर मुख्य सचिव श्री. ए.के.जैन यांनी इलेक्ट्रीक व्हेईकल चार्जिंग स्टेशनचा पर्यावरणाशी असणारा संबंध, भविष्यातील वातावरणातील बदलाबाबतची परिस्थिती व या संदर्भातील आव्हाने व उपाययोजनांबाबत सविस्तर माहिती दिली.

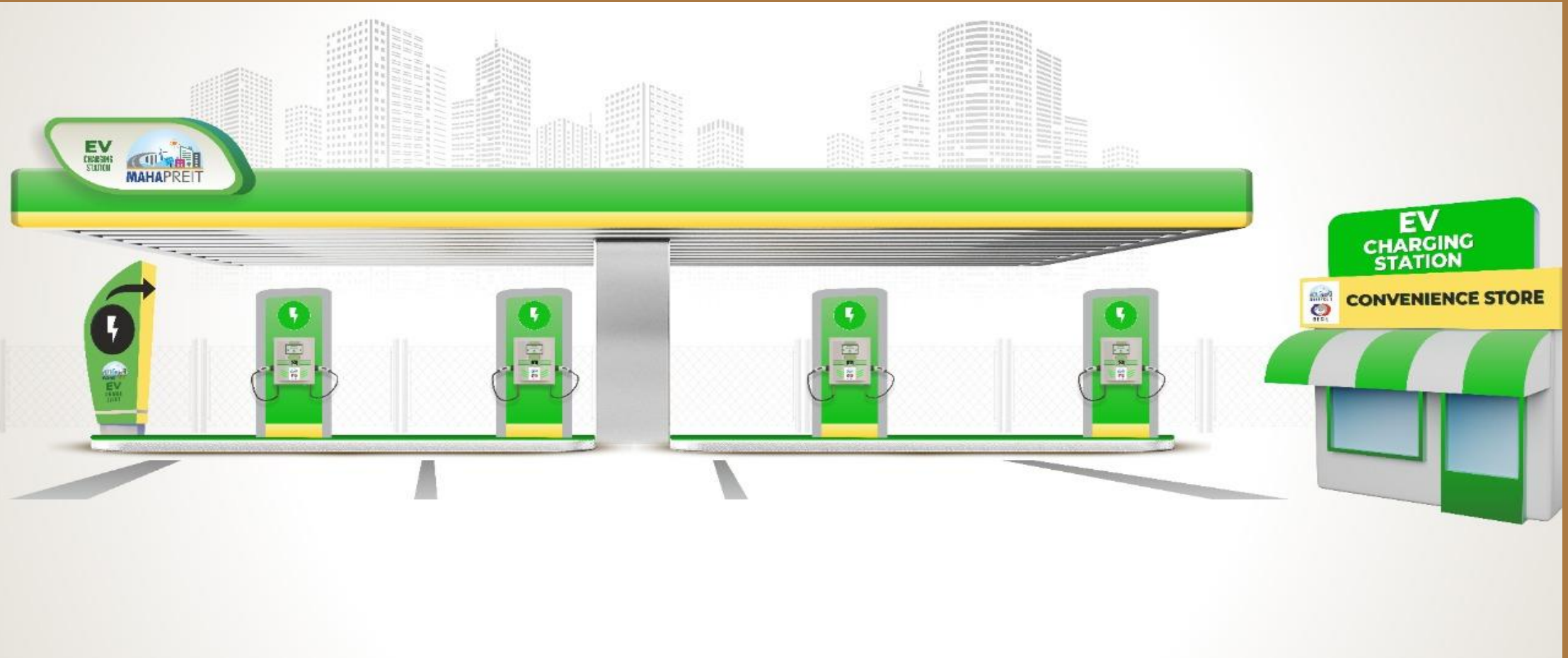
महाराष्ट्र चेंबर ऑफ हौसिंग इंडस्ट्रीचे प्रतिनिधी श्री. सुरेश कुमार यांनी इलेक्ट्रीक व्हेईकल चार्जिंग स्टेशन व MCHI ची भूमिका याबाबत माहिती दिली तसेच MCHI सातत्याने महाप्रितबरोबर संपर्क करून पुढील आवश्यक त्या उपाययोजना करेल असे आश्वासित केले.

महाप्रितचे व्यवस्थापकीय संचालक बिपीन श्रीमाळी यांनी महाप्रित स्थापनेमागचा उद्देश, महाप्रित अंतर्गत कार्यरत व्हेईकल्स तसेच उर्जा लेखापरिक्षण, पर्यावरण, ग्रीन हायड्रोजन, बॅटरीज, कार्बन क्रेडीट, बायो सीएनजी, डाटा सेंटर अशा विविध नवीन तंत्रज्ञानाबाबत आणि सामाजिक दायित्वाच्या अनुषंगाने महाप्रित व म.फु.मा.वि. महामंडळ करत असलेल्या विविध योजना, प्रकल्प, संकल्प याबाबत सविस्तर माहिती दिली तसेच महाप्रित तर्फे सध्या हाती घेतलेले व प्रगतीपथावर असलेल्या प्रकल्पांबाबत सविस्तर माहिती दिली.

प्रश्नोत्तराच्या कार्यक्रमात उपस्थित विविध मान्यवर, अधिकारी / कर्मचारी यांनी विचारलेल्या प्रश्नांना तज्ञांमार्फत उत्तरे देण्यात आली.

कार्यक्रमाच्या समारोपीय भाषणात श्री. स्वाधीन क्षत्रिय यांनी संपूर्ण कार्यक्रमाबाबत त्यांची असणारी तज्ञ मते चर्चासत्रातून मांडली. ज्यामध्ये इलेक्ट्रीक व्हेईकल चार्जिंग स्टेशनच्या अनुषंगाने सर्वच विभागांनी महाप्रितला सहकार्य करावे असेही आवाहन केले.





**MAHATMA PHULE RENEWABLE ENERGY AND INFRASTRUCTURE TECHNOLOGY LIMITED**  
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# LEED:

THE WAY TO A GREEN FUTURE WITH  
SUSTAINABLE BUILDING DESIGN

## NEAS - NAVYUG Energy Audit Scheme

### Energy Conservation Building Code (ECBC)/ Energy Audit

In line with Energy Conservation Act 2001, Govt has notified ECBC Rules. 2018 which is applicable to all commercial buildings having connected load of 100 kw or above or contract demand or 120 kVA or above

### MPBCDC Proposal

- 1.MPBCDC will train /upgrade skill to do Energy Audit and ECBC compliance audit , employment in all distt and metro areas of **MMR/Pune / Nagpur.**
- 2.NEAS to generate employment for approx. 5,000 persons having tech qualifications. ECBC/ Audit implementation by SC engg graduates / Diploma /ITI / registered under CMEGP or central /state schemes.
- 3.Huge quantum of Energy will be saved by ECBC /Energy Audit / implementation will ADD revenues to state exchequer as well Energy saving by way of coal consumption and decarbonization.

महात्मा फुले नवीनीकरणीय ऊर्जा व पायाभूत प्रादुर्गोकी मर्यादित  
(म. फु .मा. वि. म. ची उपकंपनी)





## Setting up Green concrete RMC plants



**India ready-mix concrete market is expected to register a CAGR of over 9% during the forecast period of 2020-25.**

### Facts at glance leading to increased RMC potential market

- ▶ FDI up to 100% allowed for settlements development and townships projects.
- ▶ housing for everyone through several initiatives, such as 'Housing for All by 2022', 'Affordable Housing', and 'Smart Cities', enabling construction of approx. 30 million houses, boost for the low-cost residential construction segment.

### **MAHAPREIT PROPOSAL**

- ❖ To set up 6 RMC plant of approx. 5000 to 7500MT MT of specified RMC near 5 TPC of MSPGCL with utilities free of cost for SC categories group industries / Start ups.
- ❖ To have long term 5 to 7 years tie up with MSRDC/MHADA/MMRDA MPBCDC will devise bigger role as implementing agency and RMC manufacturer for SC categories.

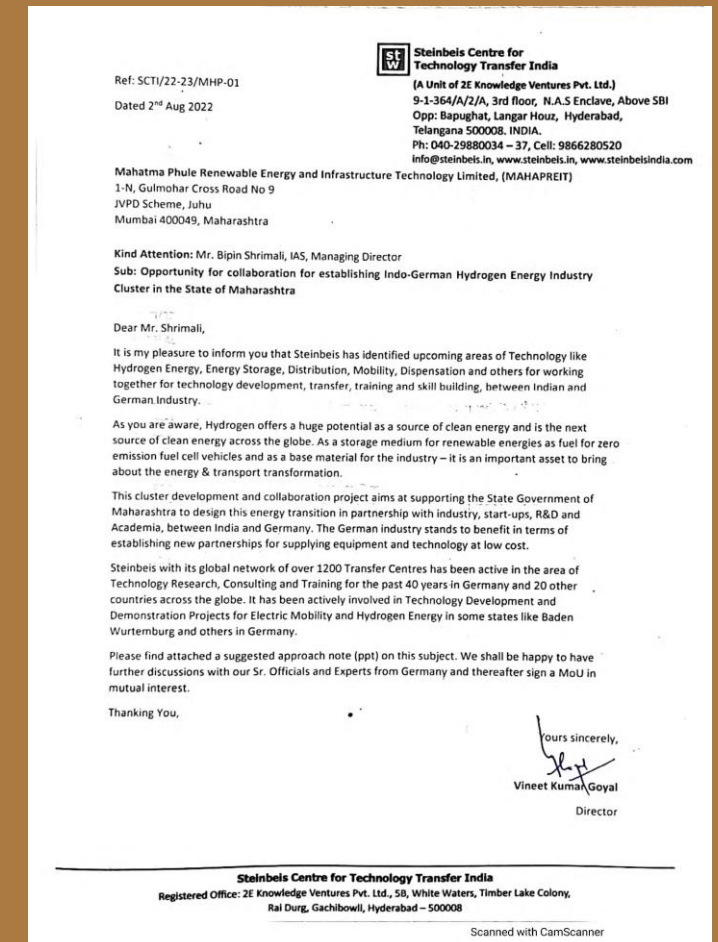
महात्मा फुले नवीनीकरणीय ऊर्जा व पायाभूत प्रादुर्गामीकी मर्यादित  
(म. फु.मा. वि. म. ची उपकंपनी)





## Green Hydrogen Initiative

1. 3 pilot projects under OPEX with VGF model of 1 MW size ( approx. 66,000 KG Hydrogen production facility – EOI publication – Bid process under progress.
2. One big size H<sub>2</sub> project of approx. 200 MW power to Mumbai city , HFCEV charging infrastructure and Industrial hydrogen manufacturing and supply is under conceptual study with CEA and BHEL nominees with study committee – approx. 12,000 cr Project to be completely funded by Green funding , No GoM funding only support is needed.
3. Green Hydrogen support cluster under consideration with German govt funding.





## Channel Partner Eol

(1) Knowledge Partners (KP)	(2) Capex Partners (CP)	(3) Target Partners (TP) (Navyug Beneficiaries)
<ul style="list-style-type: none"> <li>Consultants / Promoters / Individuals with domain expertise for setting up Start-up Accelerator Cells for SC / BC</li> </ul>	<ul style="list-style-type: none"> <li>investment bankers/ Firms/ Developers/ NBFC (Regulated by RBI / SEBI)/Venture Capital</li> </ul>	<ul style="list-style-type: none"> <li>Companies / Firms / partnership firms</li> </ul>
<ul style="list-style-type: none"> <li>Fintech firms and Fintech technology providers.</li> </ul>	<ul style="list-style-type: none"> <li>Digital currency / Block chain</li> </ul>	<ul style="list-style-type: none"> <li>Start ups and Entrepreneurs</li> </ul>
<ul style="list-style-type: none"> <li>Institutes of eminence/ Universities Foreign universities / IITs/IIMs/NITs</li> </ul>	<ul style="list-style-type: none"> <li>Foundations and Endowment funds, CSR</li> </ul>	<ul style="list-style-type: none"> <li>SHG/ Women groups</li> </ul>
<ul style="list-style-type: none"> <li>Laboratories in India as well abroad / testing centers / Research institutes / Validating facilities</li> </ul>	<ul style="list-style-type: none"> <li>FI/ External FI/ Banks/ Development banks</li> </ul>	<ul style="list-style-type: none"> <li>Societies</li> </ul>



## Center for Management of Environment and Climate (CMEC)

### 1) The CMEC is Self-substantiable Growth Centre under MAHAPREIT

- a) Enrolment of eligible BC start-ups / entrepreneurs / eligible job aspirants are taken up by CMEC.
- b) Revenue generation projects to be identified based on industry requirement and mandates compliance of MOEF/CPCB/MPCB.
- c) Empanelment, Engagement and collaborating with agencies and organizations/ companies in this field through EOI / Partnerships / MOU to support the activities under CMEC on revenue sharing model.

### 2) Scope and work profile

- 1) CMEC to take up Environment Audit , study and system improvement works / projects in consultation MPCB and other statutory bodies.
- 2) System Studies and audit works will be supported by MSKC (Mahapreit Start up Knowledge Centre) and system improvement works will be allocated to BC start ups / entrepreneurs.
- 3) CMEC Will take up EIA works of FI/BI and PMC like PwC, KPMG,SBI caps and Deloitte.

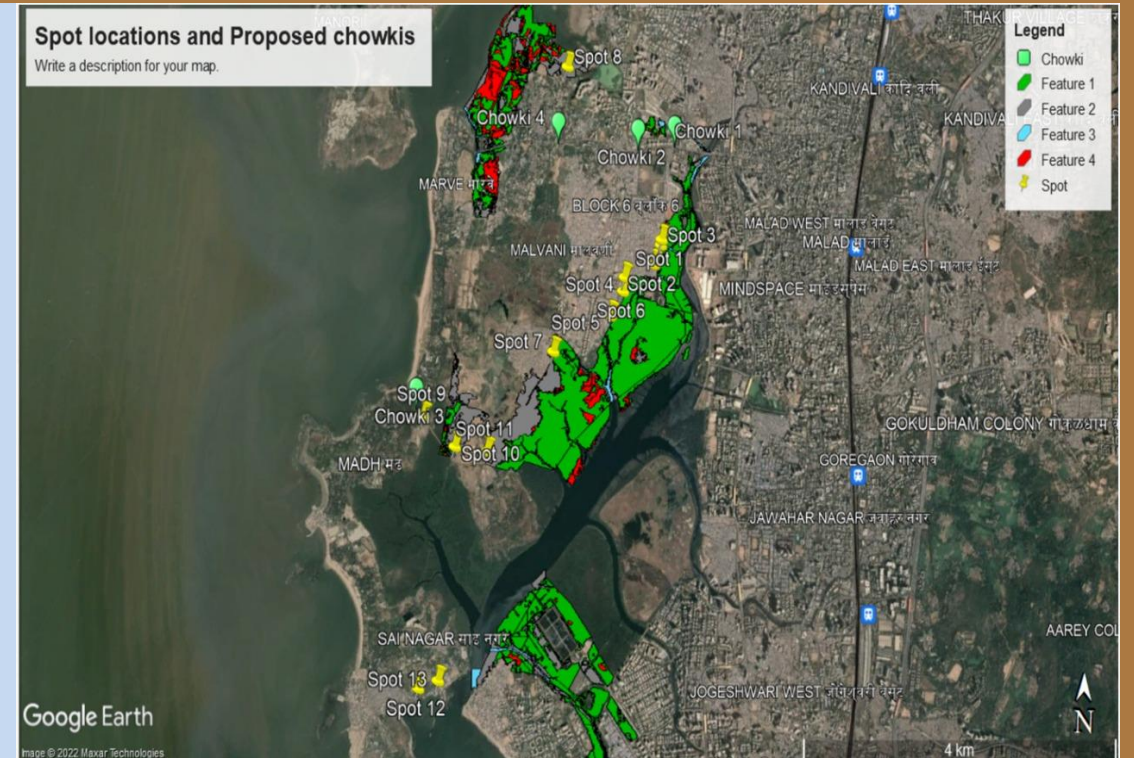
### 3) ENCORE Committee - Task force on CMEC \_ Expert Nominees' committee on Climate Obligations and Regenerative Environment.





## Mumbai Mangrove Project Consultancy

1. The pilot project is sanctioned by Mangrove Foundation. The Project is focused on removal of Legacy Waste/Municipal Solid Waste at 13 locations in P North ward of Municipal Corporation of Greater Mumbai.
2. The project includes-
  - Characterization and quantification of the MSW and C&D waste.
  - Developing a plan for removal of legacy wastes from the mangrove habitats.
  - Preventing future dumping of these wastes in the rehabilitated locations through establishment of Check post “chowkis” at strategic locations.
3. It also involve engagement with the community and stakeholder to ensure the sustainability of these conservation initiatives.



P-North Ward, Mumbai, Maharashtra



## Mumbai Mangrove Project Consultancy (**Progress**)



In order to complete different stages expeditiously MAHAPREIT - ERAF has taken the following action:

- Organized meeting at the office of the Zonal DMC IV and followed by site visits. (3 No's)
- Appointing a team of consultants for Execution of the project.
- A network of officials (MCGM, Mangrove Cell, Mahapreit and ERAF) at the ward level has been set up for day-to-day coordination.
- To initiate excavation of Legacy waste, the soil and water samples were withdrawn from Lagoon road in order to identify toxic contaminants present, if any for safe disposal of legacy waste as per MSW Rules.
- MoU has signed between Mahapreit and Mangrove Foundation for Phase I Project.





## **CMEC Task Force - Center for Management of Environment and Climate (CMEC)**

<b>1</b>	<b>Mr. A K Jain I.A.S. (retd) Former ACS Govt. of Maharashtra.</b>	<b>Chairman</b>
<b>2</b>	<b>Dr. Dipak Mhaisekar IAS (Retd) Chairman State Environment Impact Assessment Authority</b>	<b>Member</b>
<b>3</b>	<b>Dr. Ajay Deshpande, Member Compliance Review Panel, ADB &amp; Former Expert Member, National Green Tribunal, India</b>	<b>Member</b>
<b>4</b>	<b>Dr. Prasad Modak Environment Management Center Mumbai</b>	<b>Member</b>
<b>5</b>	<b>Dr. Krishna Lala, Senior Technical Advisor, ERAF</b>	<b>Member</b>
<b>6</b>	<b>Mrs. Poornima Gupta, Managing Director and Environmental Scientist, ERAF</b>	<b>Member</b>
<b>7</b>	<b>Mr. D C Patil, CFO MAHAPREIT</b>	<b>Member</b>
<b>8</b>	<b>Mr. Kollur Sharanappa – CGM (Env.) &amp; Convenor, EnCORE</b>	<b>Member</b>





## MAHAPREIT DECARBONISATION INITIATIVE THROUGH WOMEN'S AFFILIATION AND DICCI

- 1) Dr.Vijay Satbirsingh (I.A.S. Retd) Former ACS to GoM and Former Member MAHARERA – Chairman
- 2) Ms. Mahua Acharya MD CESL, CPSU (Ministry Of Power) GoI
- 3) Mr Sunil Pote ED Ops MAHAPREIT
- 4) Mr Sunil Singhanian Abacus Fin services
- 5) Mr Anand Chavade Former MD MITCON
- 6) Mr Rajesh Sundaresan Co-Founder & Managing Partner, Carbon Impact Capital. Singapore
- 7) Mr Pankaj Pande MD, EKI Energy Services Limited (EnKing International)
- 8) Rep from C-Quest Capital LLC (CQC), Washington D.C., USA

- a) The program aims to incentivize various decarbonation and carbon emission reduction activities and program implementation through active participation of women in individual capacity or groups of SHG, Societies and FPO.
- b) MAHA DIWA program will also take up works and activities relevant to for carbon credit (CC) transactions which will include generating, aggregation, selling, dealing and transacting with CC market and transaction advisory role.
- c) MAHAPREIT will maximize the benefit out of such activities and its incentives to SC and weaker sections women of state for their living standards and socio-economic status upliftment.

महात्मा फुले नवीनीकरणीय ऊर्जा व पायाभूत प्रादुर्गोकी मर्यादित  
(म. फु .मा. वि. म. ची उपकंपनी)



## MAHAPREIT DECARBONISATION INITIATIVE THROUGH WOMEN'S AFFILIATION (DICCI)

### MAHAPREIT CARBON CREDIT PROGRAMS

1. MAHOGANI PLANTATION PRG - Mahapreit has taken Mahogany plantation on 1000-acre SC landowners, Complete end to end solution with value addition in structured business model is worked out. Also such plantation on govt lands in riverine basins is under planning.
2. ANIMAL HASBUNADARY PRG AND BIO METHANISATION – with the support of NSFDC and NSKFC Mahapreit is in process of 500 cow Model farm, 200 cow Farm, one each in 6 revenue divisions and 50 farms of 100 cow in each district is being planned with bio methanisation process.
3. BIOFUEL PROJECTS – Napier grass, Decayed food grains-based ethanol projects
4. Gram Ujala program
5. Mangrove Plantation





## INFRASTRUCTURE AND URBAN TRANSPORT PROJECTS DIVISION



- ❖ MAHAPREIT to venture in road and urban transport connectivity infrastructure projects through dedicated infra project division.
- ❖ the infrastructure projects division (IPD) shall sync with existing and new start-ups of backward class entrepreneurs for integrated or competence-based business acumen and access of opportunities.
- ❖ IPD will tie up with fi, tech and equity partners for project implementation.
- ❖ GOM is requested to declare MAHAPREIT as implementing agency for deposit works to all infra co.
- ❖ IPD will bid for NHAI and other state projects to have revenue stream and employment of BC beneficiaries.





## Task force on Infrastructure Projects

1	<b>Shri K. P. Bakshi IAS (Retd.) Former Additional Chief Secretary (Home) Government of Maharashtra.</b>	<b>Chairman</b>
2	<b>Shri D. O. Tawde (Former Member, NHAI</b>	<b>Member</b>
3	<b>Shri Suresh Ramchandani, Former Joint MD MSRDC (PWD GoM)</b>	<b>Member</b>
4	<b>Chief Legal Advisor, MPBCDC</b>	<b>Member</b>
5	<b>Financial Advisor, MPBCDC</b>	<b>Member</b>
6	<b>Shri Subhash Nage CGM</b>	<b>Convenor</b>

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## AFFORDABLE HOUSING PROJECTS

- ❖ MAHAPREIT proposes to explore Affordable Housing sector looking to huge opportunities for BC entrepreneurs in construction and material supply business
- ❖ The Affordable housing division will use New Technologies and standard of LEED, Green Concrete , Climate Change Concerns addressed and advance Building materials from bio waste and solid waste
- ❖ Mahapreit will tie up with leading academic institutes abroad as well in India for Tech Support and partnership as well JV with tech and equity partners to fund the projects including CBRI and BMPTC for advance building materials and technologies
- ❖ Mahapreit will explore projects of GoM as well MOUHA/central PSU/ NIUA to make available business and revenues to BC enterprisers in various working models



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### **Task Force on Affordable Housing - Members of the Task force :**

- 1) Dr. Vijay Satbir Singh (IAS retd) – Former ACS GoM (Home/ Public Health) and Member MAHA RERA. (Maharashtra Real Estate Regulatory Authority) Mumbai.
- 2) Shri S S Zende (IAS retd) – Former VP & CEO MHADA
- 3) Dr. Jagan Shah - Resident Senior Fellow at IDFC Institute. A Former Senior Infrastructure Adviser in the UK Government (2019-21), and former Director of (NIUA)
- 4) Shri Dhaval Monani - Director of Affordable Housing at Anant National University, a consultant to the International Finance Corporation (IFC) on PPP and works with Affordable Housing and urbanisation initiative under CEMS, ISB Hyd.
- 5) Shri Vijay kalampatil – Former IAS and Dir (Operations) Mahapreit.
- 6) Shri Sanjay Deshmukh TUMC Thane
- 7) Shri Gyaneshar Hadadare Former RERA official & MHADA Chief engineer
- 8) Shri Ajay Saxena – PPP Expert on Project structure and funding at GoM & Advisor to National Infrastructure Investment Fund (Under Ministry of Finance, GoI)
- 9) Shri Suresh Ramchandani – Former Secretary PWD rank, Joint MD MSRDC
- 10) Shri Sanjay Pote – Executive Dir (Operations ) MAHAPREIT expert on UNEP climate change issues.
- 11) Shri S B Nage – PD Affordable Housing – Convenor
- 12) MCHI /NAREDCO/Maha SEWA /BDA Representatives
- 13) Domain Experts from professional bodies like BMPTC, CBRI, NIUA, COA, MCHI, IIT, IDFC Institute, UNIDO, and former executives from MoUHA, NHB, HUCDO, Housing Finance companies etc





## Identified Affordable Housing Projects

1. MHDC awarded projects
2. PMAY projects at Yaotmal Nagar Parishad, EWS housing at Aurangabad
3. Thane MC cluster development projects
4. GoI / Other state govt projects in other states
5. SWAMIH
6. Delayed and Distressed projects of GoM various schemes like SWAMIH scheme
7. Collaboration with state / GoI agencies having land parcels / Municipal corporations
8. Developing Review, monitoring and Green Funding mechanism under climate change funds



## Agro-Processing Value Chain - Cluster Approach



- ❑ Agro-Processing is a set of technoeconomic activity carried out for conservation and handling of agriculture produce and to make it FOOD, FEED, FIBER, FUEL OR Industrial Raw Material.
- ❑ Primary and Secondary processing for agricultural produce will ensure the value addition to convert production into more income for farmers.
- ❑ It is proposed to develop the location specific Agro-Processing units in all districts of Maharashtra to tap full potential of Agro- processing The CFC will include the Aggregation/ Storage facility, Cleaning, Grading, Packing Machines along with the processing units such as Dal Mill, Flour Mill, Oil Mill, Chips making machines etc.
- ❑ Target beneficiaries will be from Scheduled Caste (SC)



### Proposed Action Plan for APVC

- ❖ Identification of at least one cluster in each District for major crop.
- ❖ Identification of target beneficiaries and their organisations such as SHG, SHG- Federation, Farmers Group, Farmers Producer Organisations/ Companies at Taluka/ Cluster Level.
- ❖ Mobilization and Capacity Building of Target Groups in the identified cluster for respective crops/ products.
- ❖ Co-Ordination with various Govt./ Semi- Govt Agencies including Pvt. Organisations and NGO's working in the desired area of improvisation.
- ❖ To ensure convergence from various schemes and programmes of the Govt. and to prepare special project (DPR) for selected clusters.

### State Level Govt Agencies for Convergence in APVC

- ☐ Revenue Department
- ☐ Agriculture Department (DSAO/ PD- ATMA)
- ☐ Social Justice Department
- ☐ Rural Development Department (MSRLM/ PRI/ DRDA)
- ☐ Marketing Department (MSAMB/APMC's)
- ☐ Animal Husbandry/ Dairy/ Fisheries Dept.
- ☐ Women and Child Development Department (MAVIM)
- ☐ Industries Department (MIDC- Textile Park, Agro-Food Park)





**MAHATMA PHULE RENEWABLE ENERGY AND INFRASTRUCTURE  
TECHNOLOGY LIMITED, MUMBAI.  
ANNUAL ACTION PLAN 2022-2023  
VERTICAL – APVC**

Sr. no	Name of the Scheme	Target for 2022-23 Physical	Target for 2022-23 Financial (Rs in Crore)
1	PMFME(GOI) (36 Districts) (10 SHG's per District)	360 SHG's 7200 Women members	36
2	CFC for APVC (Taluka level) (Two talukas in each District) (36 districts*2)	72	72
3	CFC for APVC (District level) (5 Cr per district)	12 Districts	60
4	Formation of FPO/FPC	350 (Rs 15 lakhs per FPO)	52.5
5	Waste to Energy Projects (Biomass to CBG/CNG/Biofertilizers/Briquettes/ Pellets etc.)	34 Districts (One crore per district)	34
6	APVC (Dairy Projects)	34 (One Crore each)	34
7	APVC (Fisheries Projects)	34(One Crore each)	34
8	Training and Capacity building Program for Self- Employment (100 per District)	3600(Rs 5000 each)	1.8
9	Market Outlets for SHG/FPO (Taluka/ District/ Urban areas) (DRDA/MAVIM/BARTI/MSRLM)	36 (One per district)	36
10	IEC under MAHAPREIT/MPBCDC for Women Empowerment and Convergence (Taluka/ District level)	36 Districts + 354 Talukas 390 (Rs One lakh per camp)	3.9
<b>Total</b>			<b>364.2</b>

## Scope of APVC in Maharashtra

- Dist wise Crop diversification including horticulture
- Plg for surplus agro produce available in each district for processing and marketing in urban areas.
- Sync with new lifestyle and urbanization, and Processed foods in demand in urban areas.
- Further Taluka level FPO/ SHG Federation can come together to form State Level origination.
- Location specific raw material to be considered to setup APVC at Cluster/ Taluka Level.
- Skilled manpower/ farmer identification in the area of APVC.
- Training and Capacity building for Agro Processing units in Rural Areas. (Farmers to Consumer – Value Chain)
- Agriculture Graduates/ Diploma holders in Agriculture/ Animal Husbandry/ Dairy/ Fisheries/ MBAAgri Business – Marketing may be engaged in APVC, to ensure backward and forward linkages.



## **Task force for Agro Processing and Value Chain (APVC)**

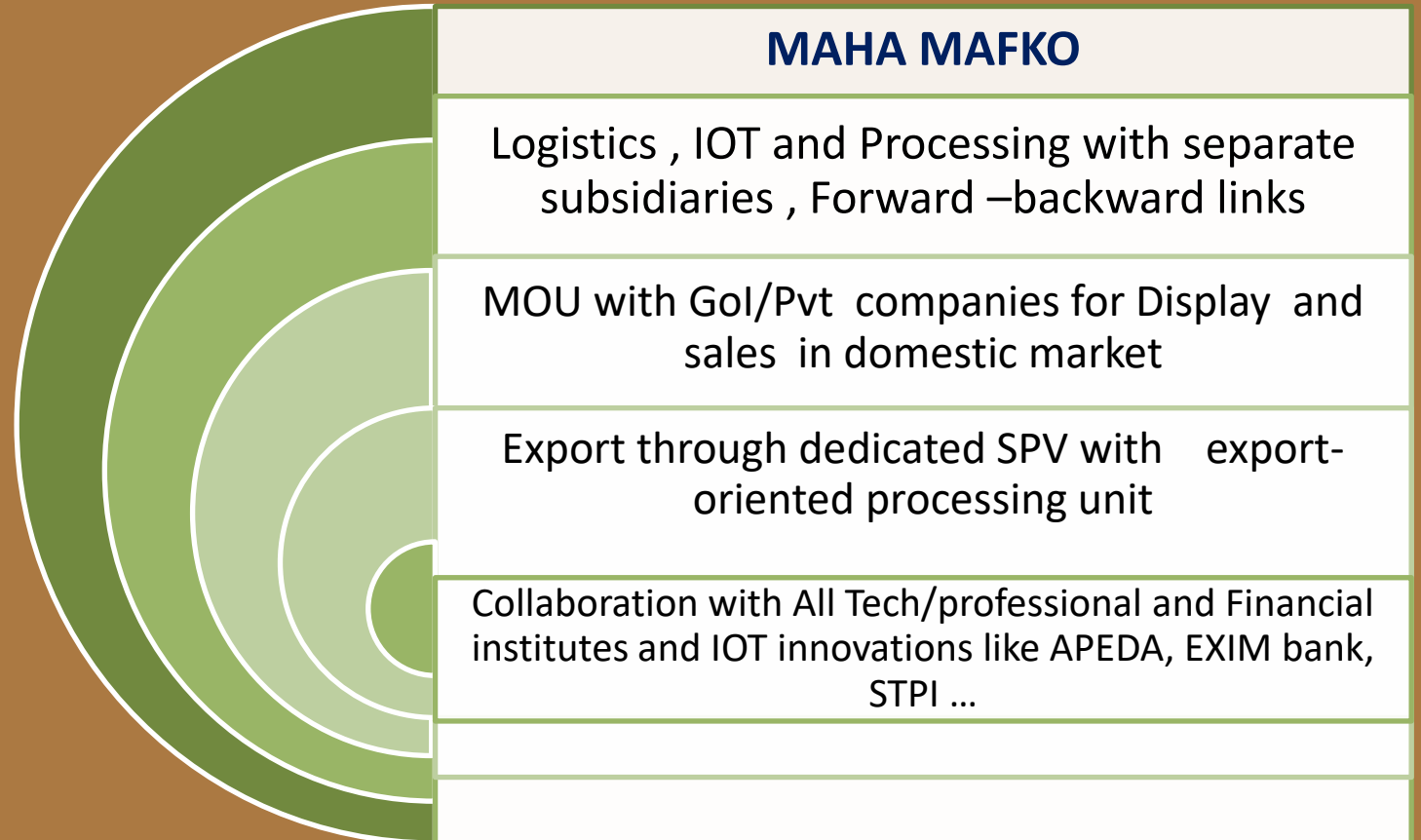
### **Members**

- 1) Dr. S K Goel IAS (Retd), Former ACS, Agriculture and Marketing, Govt of Maharashtra**
- 2) Dr. Vyankatrao Mayande Former Vice Chancellor, Dr. Panjabrao Deshmukh Krishi Vidhyapeeth, Akola**
- 3) Dr. Umakant Dangat, IAS ( Retd.), Former Commissioner, Agriculture, Maharashtra State**
- 4) Shri Subhash Lakhe, IAS (Retd.)**
- 5) Shri Keshav Kamble, Former Jt CEO, Khadi and Village Industries Commission , Govt. of India**
- 6) Dr. Bhagwanrao Kapase, Promoter of Group Farming and Expert Horticulturist**
- 7) Shri Ankush Chavan COO, MAHAPREIT**
- 8) Shri Ganesh Chaudhary. CGM WEC (Women Empowerment and Convergence) – Convenor**
- 9) Dr Chandrakant Dalvi IAS retd**
- 10) Shri Vilas Shinde Sahyadri farms**



## Mahapreit Multitask Agro FPC of Khandesh Organization (Maha MAFKO) Proposed

- 1) Bipin Shrimali IAS CMD MAHAPREIT
- 2) Chandrakant Dalvi (IAS retd)
- 3) Shri Vilas Shinde
- 4) Dr Bhaskar Patil NIPHT
- 5) Mrs. Vaishali Bambole
- 6) Shri Dipak Kokate
- 7) Shri Bajirao Shinde
- 8) Dr Pramod Bodkhe
- 9) Dr Sawant –Trimurti dairy Farms
- 10) NAFED rep
- 11) Shri Maninder singh
- 12) Shri Ganesh Chaudhary







## Task force for Agro Processing and Value Chain (APVC)

### APVC Programs

1. Dairy Project
2. Biogas project
3. Biofuel- Briquets/pallets projects
4. NAFED Project – Grocery store project
5. Napier Grass Project
6. Mahogany plantation
7. Bio methanation Project
8. Mahananda- Zero carbon emission project
9. Goatery farm project
10. Horticulture cluster project – NIHPT
11. CFC

### MAHAPREIP TRG MODULES

#### Features-

1. Different from existing schemes
2. Hand holding support
3. GoI/GOM institutes
4. Performance based fees
5. 50% Agro based and 50% women groups
6. Cluster approach trg module
7. NBR Portal based selection of beneficiaries
8. Skill framework adaptation
9. Project approval and sanction – part of trg

### Project Funding

1. Convergence of schemes
2. FPC/FPO approach
3. Loan/debt –bankable viability
4. Forward –backward linkages
5. Ensures recovery due to hand holding support
6. Big Project size
7. IT/Agri tech collaboration



## महादीप (MAHADIEP)

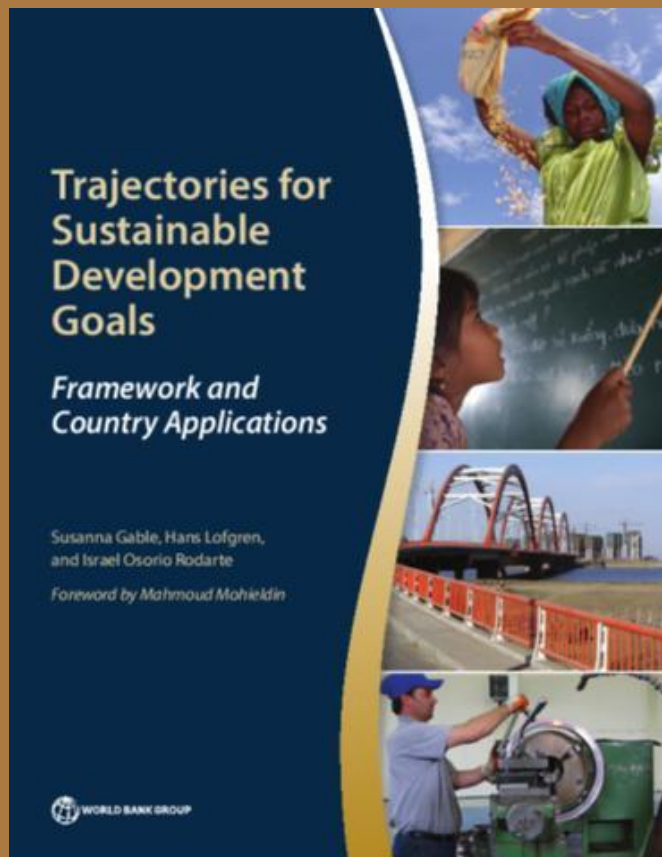
### महाप्रित जिल्हा एकात्मिक उद्योजकता कार्यक्रम

## **MAHAPREIT DISTRICT INTEGRATED ENTERPREURSHIP PROGRAM**

महात्मा फुले नवीनीकरणीय ऊर्जा व पायाभूत प्रादुर्योगीकी मर्यादित  
(म. फु .मा. वि. म. ची उपकंपनी )



## MAHADIEP



Sr No	Sector	Projects suggested
1	Renewable Energy	Solar parks, Agri Solar pumps, EVCS, Small distributed solar projects, EV Fleet management services, RESCO Energy saving projects, STP and Water works solarization.
2	Agriculture and Value chain	APVC, CBG and Bio waste to Energy projects, Cold chains, Fisheries and aqua culture projects, Water shed development, Projects under PoCRA, ODOP.
3	Environment and Climate Change	Waste to Energy Projects, Disaster mitigation, EAS and ESR projects of ULB, Compliance under MoEF and NGT mandates.
4	Infrastructure	EWS and PMAY affordable housing, Road construction ancillary activities, Projects under GOM various Industry dept. policy, CMEGP, any Employment gen activities, Ind cluster development projects.
5	Dist. Specific Projects	Tourism, Climate Change and Env issues related to districts, Drinking water solarization under JJM, ULB issues and concerns.
6	AIGEP project	Projects under मागे वळून पहा - Non-resident Maharashtraian Leverage (NRML), गाव माझ्या आठवणीत – Synchronising Urban resources to Rural needs (SUR), Swantah Sukhay Project (स्वान्तः सुखाय प्रकल्प)





## MAHAPREIT - MAHADIEP PRG REVIEW MEETING AT COLLECTOR OFFICE RATNAGIRI







## INTERACTIVE MEETING WITH H.E.MINISTER (WATER AND ENERGY) FDR OF ETHIOPIA AT MAHAPREIT



**Mahatma Phule Renewable Energy and Infrastructure Technology Limited**  
**(A subsidiary of MPBCDC, Govt of Maharashtra Company )**



## INVITATION



MAHAPREIT cordially invites you to participate and be the part of



## MAHAPREIT GREEN FUND INVESTOR MEET 2022

Date : 22<sup>nd</sup> August 2022  
Time : 09:30 - 17:30

Venue : J. W. Marriott Sahar  
(T2 terminal), Mumbai

**MAHAPREIT, wholly owned subsidiary of MPBCDC**

Govt. of Maharashtra, organizes

## MAHAGFIM 2022

Key Platform to showcase Green Projects to collaborate  
Green Fund Investors & Project Funding

### KEY SECTORS

- Renewable Energy (RE)
- Electric Vehicle Charging Station (EVCS) & Green Hydrogen
- Affordable Housing & Infrastructure Projects
- Agro-Processing Value Chain (APVC) & Biofuels

### ATTENDEE PROFILE

- Development Finance Organizations
- Banking Financial / Institutions / NBFCs
- Venture Capitalists
- Institutional investors
- Rating Agencies
- Market Experts / Consultants
- Law Firms
- R&D Labs / Institutions



Bipin Shirmali, IAS  
CMD  
MAHAPREIT & MPBCDC  
Govt. of Maharashtra

Sumant Bhangre, IAS  
Secretary  
Social Justice and Special Assistance Department  
Govt. of Maharashtra

MAHAPREIT pre-intimates to block your calendar while formal INVITE follows

Sr No.	COMPANY
1	Power Finance Corporation (PFC)
2	REC
3	Indian Renewable Energy Development Agency Ltd (IREDA)
4	US AID
5	GIZ, Germany
6	European Business and Technology Centre (EBTC)
7	Polish Investment and Trade Agency
8	Indo-French Chamber of Commerce & Industry
9	European Business Group (EBG) Federation
10	India Infrastructure Finance Company Limited
11	AfD (French Development Agency)
12	Climate Policy Initiative
13	Bank of India
14	HDFC Bank Ltd
15	HSBC
16	Indian coordinator of Ethiopia Country
17	Indian Overseas Bank
18	Indo British Business Forum
19	NIIF Min of Finance GoI
20	Axis Bank

22	Bank of Maharashtra
23	Karnataka Bank
23	The Green Billions Ltd
24	Omnivore Partners
25	Pegasus India Evolving Opportunities Fund
26	Linklegal
27	Umicore
28	Exotic Business Management India Private Limited
29	Tata Cleantech Capital Limited
30	Indo-French Chamber of Commerce & Industry
31	European Business Group (EBG) Federation
32	India Infrastructure Finance Company Limited
33	ENARR CAPITAL
34	BOI MERCHANT BANKERS LIMITED
35	Apohan Corporate consultants Pvt Ltd
36	AH Ventures India Pvt Ltd
37	Nine1 Fincare Private Limited
38	Umicore
39	Avaada
40	Avendus Capital Private Limited





### MAHAGFIM 2022 - Projects' List

#### Vertical: Renewable Energy (RE) / Climate Change

Sr No.	Project Name	Company Name	Project Brief	Expected outcomes
1	Solar Power Project for Agriculture Feeder and / or solar power projects	MAHAPREIT	Development of AG solar project in Maharashtra	Solar generation to farmers
2	Battery storage Project of 500 MW under emerging technology area in OPEX model	MAHAPREIT	Setting up of Pilot Projects of 500 MW/1000 MWh Standalone Battery Energy Storage Systems in Gujarat in JV with bidder as per terms of tender	Battery Storage
3	100 MW Solar Project	Hindustan Agro Co Operative Ltd	To set up 100 mw solar power plant	Direct Employment to the local residents 3 lacs farmers will be benefitted Project may get carbon credit
4	Development of 125 – 150 MW Solar Project in Sangli District	MAHAPREIT	Development of 125 – 150 MW Solar Project in Sangli District	Regular income source to MAHAPREIT for 25 years. Job employment opportunity to SC Beneficiaries for 25 years.
5	Smart Energy Meter Replacement	MAHAPREIT	Smart Energy Meter Replacement	Expected IRR is approx. 14 to 15 % Approximate workforce requirement of 120 person /Month/10,000 SM replacements. Huge Employment potentials can be created
6	Floating Solar Mahagenco 105 MW in JV with bidder as per tender terms	MAHAPREIT	Floating Solar Project	105 MW solar power Employment Generation Lesser Evaporation losses
7	RDF Vikroli	ANTONY LARA ENVIRO SOLUTIONS PRIVATE LIMITED	It is a waste management project for the production of RDF from segregated waste of municipal corporation.	RDF - 4000 tons/day SWM
8	Solid Waste Project	ANSH INFRA TECH PVT. LTD.	It is a waste management project for the production of RDF from segregated waste of municipal corporation.	Solid waste management and production of RDF (fuel)
9	Pune Municipal Corporation 50 MW Solar Project	MAHAPREIT	To set up 50 MW Solar Project to fulfill the energy requirement in PMC, Pune region.	Project IRR 9.63% Equity IRR 11.25% Regular income source to MAHAPREIT for 20 years

10	Nagpur Municipal Corporation 50 MW Solar Project	MAHAPREIT	To set up 50 MW Solar Project to fulfill the energy requirement in NMC, Nagpur region.	Project IRR 9.63% Equity IRR 11.25% Regular income source to MAHAPREIT for 25 years.
11	10 Biomass pellets plants of 100 TPD Capacity	Aadishakati Tuljabhavani Agro Farmers Producer company LTD.	10 Biomass pellets plants of 100 TPD Capacity at multiple locations closer to biomass source and proximate to end users.	This will support at least 7,500 farmers and multiple FPCs in collection of the biomass and its sell to pellets plants. The income of these farmers is supposed to increase by Rs.5000 per acre on account of the sale of biomass. Since we are an FPC, we will also provide dividends to farmers shareholders and indirect income could be as much as Rs.500 per farmer.
12	10 Torrefied Biomass Pellets plants of 100 TPD Capacity	Quality Management Services	10 Torrefied Biomass Pellets plants of 100 TPD Capacity	This will support at least 7,500 farmers and multiple FPCs in collection of the biomass and its sell to pellets plants. The income of these farmers is supposed to increase by Rs.5000 per acre on account of the sale of biomass. Since we are an FPC, we will also provide dividends to farmers shareholders and indirect income could be as much as Rs.500 per farmer
13	Biogas Plant - Solid Waste Mgmt Plant	Nashik Waste Management Pvt. Ltd	Biogas generation and solid waste disposal. It produces Biogas/Bio CNG as green alternative project.	Biogas Agriresidue to Energy



## Hon CM and Hon DCM addressing GFIM Meet







STANDARD POST, Mumbai Thursday Aug 25, 2022

8

## State attracts 25K cr funds for renewable energy, infrastructure



Text



(Standard Post, Bureau) Mumbai, Aug 24: The state on Monday raised Rs 25,361 crore funds for renewable energy, electric vehicle infrastructure and bio-fuel, among other investments, through a green funds investors meet organised by MAHAPREIT (Mahatma Phule Renewable Energy &

Infrastructure Technology Ltd.), a subsidiary of the Maharashtra Government, in the city. One of the project signed during the event was a Rs 1,200 crore project for a 26-acre software park near Thane and the state's first digital university, said MAHAPREIT managing director Bipin Shrimali.

Also, a road infrastructure project for Surat-Chennai Expressway new alignment was signed.

Shrimali said the event's main focus was renewable energy and electric vehicle charging stations for the state.

The response to the investor meeting was overwhelming. As many as

23 projects were finalised. This will create employment opportunities across Maharashtra on a large scale, he said.

## State attracts ₹25k-cr funds for renewable energy, infra

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CMOMaharashtra

Just now

‘महाप्रित’ हरितनिधी गुंतवणूक बैठकीत २५,३६१ कोटींचा सामंजस्य करार; विविध नामवंत कंपन्यांचा उत्स्फूर्त सहभाग. विकासक व गुंतवणूक संस्थांच्या माध्यमातून रोजगार साखळी निर्मितीचा संकल्प कौतुकास्पद- मुख्यमंत्री एकनाथ शिंदे



mahasamvad.in

विकासक व गुंतवणूक संस्थांच्या माध्यमातून रोजगार निर्मितीची साखळी निर्माण होईल - मुख्यमंत्री





## **MAHAPREIT INR 500 cr Alternate Investment Fund (MAIF)**

About MAIF- Mahatma Phule Renewable Energy and Infrastructure Technology Ltd (“Mahapriet”) (Subsidiary of MPBCDC Ltd, a Government of Maharashtra Undertaking) has constituted a Category-II Alternate Investment Fund (AIF) to invest in Portfolio Entities engaged in infrastructure development, affordable housing, development of Green Projects in Renewable Energy & Climate Change, Electric Vehicle Charging Station, Agro-processing Value chain & Biofuels and other environmentally sustainable projects.

Object & Purpose- The Fund will carry on the activity to arrange, make, manage and dispose of investments with the view to providing risk adjusted returns to the Contributors in accordance with Applicable Laws and the Trust Documents.

Deployment Strategy- The Fund will invest in equity securities/instruments, debt securities/instruments, any security/instrument convertible (fully or partially) into equity and such other securities/instruments permissible under Applicable Laws.

Corpus- MAIF targets a corpus of INR 1,000 Crores, this comprises of INR 500 crores with a green shoe option of up to INR 500 crores.

### **Mahapreit Contribution-**

- As per the rules & regulations applicable on AIF, MAHAPREIT being a sponsor had committed to infuse an aggregate amount equivalent 2.5% (Two and a Half Percent) of the Corpus or Rs. 5,00,00,000 (Indian Rupees Five Crores), whichever is lower.



## MOU with Indo British Business Forum for Renewable Energy and Infrastructure projects.

Tuesday, August 2, 2022

### MAHAPREIT and Indo British Business Forum enters MOU for Renewable Energy and Infrastructure projects



(Standard Post, Bureau)

Mumbai, Aug 1 : Mahatma Phule Renewable Energy and Infrastructure Technology Limited (MAHAPREIT), a wholly owned subsidiary of MPBCDC, Govt of Maharashtra PSU and Indo British Business Forum (IBBF) entered into MOU for Renewable Energy and Infrastructure projects. IBBF is an organization aiming to strengthen trade and business relations between the UK and India, attract investments and boost small and medium enterprises (SMEs) especially with the support funding of UK government and its agencies with updated, emerging

technology supply and knowledge partnerships. It is aimed to encourage, nurture and promote bilateral business, mutual understanding, and friendly relationship between industrial, service, and business communities of India and UK. IBBF and MAHAPREIT intends to have collaboration in upcoming and ongoing projects of later in the fields of Solar power projects, Green Hydrogen and EV charging stations, EV bus supply, Software technology park and Data center, Express way construction and Affordable housing. Bipin Shirmali, MD, MAHAPREIT mentioned that the MOU will enable the company to

raise low cost finance with British technology for its Data Center project, Solar projects for Agriculture feeder Electricity supply to the tune of proposed 2000 MW projects in the state of Maharashtra, ongoing Energy saving and RE transformation projects with Municipal corporations, Smart Electricity meters, and Agriculture Based Value chain projects of Green coal, Bio Fuels and value added products. Ms. Kavita Sharma CEO, IBBF conveyed to sign specific project funding MOU during MAHAPREIT's proposed Green Fund Investors Meet (GFIM) on 22<sup>nd</sup> August in Mumbai.

### ‘महाप्रित’चा इंडो ब्रिटीश बिझनेस फोरमसोबत सामंजस्य करार



मुंबई : महाप्रित कंपनीने इंडो ब्रिटीश बिझनेस फोरम यांच्याबरोबर नुकताच सामंजस्य करार केला.

याप्रसंगी व्यवस्थापकीय संचालक बिपीन श्रीमाळी, इंडो ब्रिटीश बिझनेस

फोरमच्या मुख्य कार्यकारी अधिकारी कविता शर्मा व महाप्रितचे संबंधित वरिष्ठ अधिकारी उपस्थित होते.

या कराराद्वारे महाप्रितच्या अपारंपारिक ऊर्जा प्रकल्प, पर्यावरण संरक्षण, ऊर्जा बचत व संवर्धन, कृषी प्रक्रिया, रस्ते प्रकल्प, हायड्रोजन प्रकल्प, उद्योगांमधील तंत्रज्ञान प्रकल्प आणि सर्वांगीण विकास प्रकल्पांना इंडो ब्रिटीश बिझनेस फोरमचे आर्थिक आणि धोरणात्मक सहकार्य मिळेल.

तसेच ब्रिटीश सरकारद्वारे सुद्धा आर्थिक सहाय्य तसेच आवश्यक संसाधने पुरविण्यात येतील.

- 1) IBBF aiming to strengthen trade and business relations between the UK and India, attract investments and boost small and medium enterprises (SMEs) especially with the support funding of UK government and its agencies
- 2) IBBF and MAHAPRIET intends to have collaboration in upcoming and ongoing projects of later in the fields of Solar power projects, Green Hydrogen and EV charging stations, EV bus supply, Software technology park and Data center, Express way construction and Affordable housing.
- 3) CEO, IBBF conveyed to sign specific project funding MOU during MAHAPREIT's proposed Green Fund Investors Meet (GFIM) on 22<sup>nd</sup> August in Mumbai.



## MAHAPREIT on going Projects

1. Sangli 150 MW Solar Power Project
2. Pune Muni Corporation RESCO, STP, Command Control center and 50 MW SPP
3. Ratnagiri Solar- Agri pumps and Drinking water project
4. Mumbai man groves P north ward study project with BMC and Mangroves cell
5. Nasic Municipal Corp Godavari river Pollution study and corrective action project
6. Green Pellets Projects
7. Green hydrogen 1 MW pilot projects
8. Improved cook stove distribution program under DICCI program in all district of Maharashtra
9. 134 EVCS in MMR – 67 under progress with BECIL
10. Green Funds Investor Meet

### Support required from GoM

1. GR for G2G Nomination /deposit works from concerned dept of GoI and GoM and its agencies (proposal pending with dept.)
2. Equity funding from parent dept if required and comfort letters
3. Declaring SNA for Renewable Energy like Rajasthan (Proposal with SJE dept.)
4. Delayed and distressed project allocation on deposit works basis in infrastructure projects /NHAI projects – state recommendation

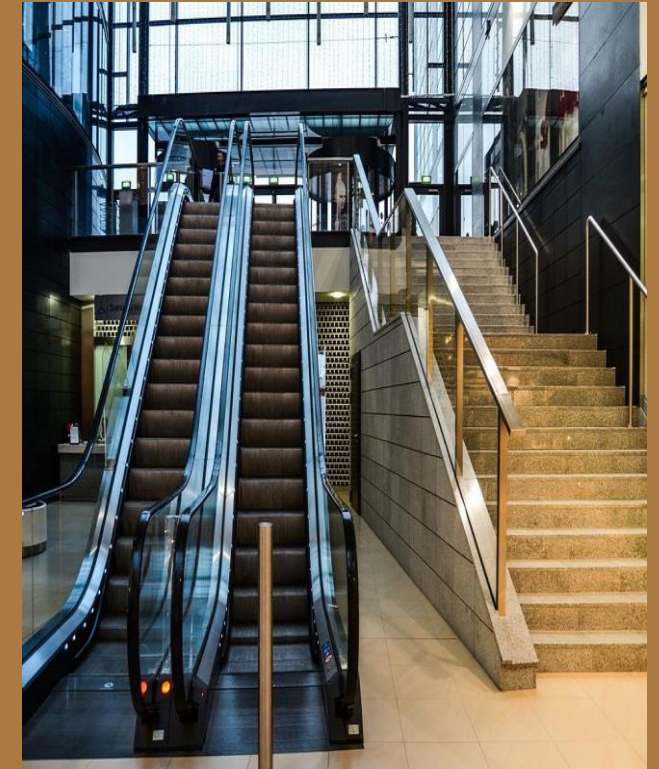




## Corporate Community Development

### MMR 25 – CCD Elevator Project

- 25 heavy traffic junctions like Haji Ali junction, Bandra Flyover junction near MHADA, railway/railroad stations etc will be provided with Escalators thr Plg authorities.
- The Escalators with CCD funds for Capex and O & M from crowdfunding or CSR.
- The Project will be executed by Backward class Start ups / entrepreneurs thereby giving them access to such works and O &M will be done by SC / BC entrepreneurs.
- MAHAPREIT will execute the projects in SPV by undertaking OPEN ACCESS Solar project as per relevant regulations for electricity supply to all Escalators.
- This will generate employment , Success to such projects to target class of beneficiaries and address climate Changes Concerns.



**Mahatma Phule Renewable Energy and Infrastructure Technology Limited**  
(A subsidiary of MPBCDC, Govt of Maharashtra Company )



### Conversion of Ambulances to EV Project

- ⌚ Due to high fuel cost and carbon emission / noise pollution , Ambulances are most vulnerable section of Vehicular traffic , requiring EV conversion
- ⌚ Since Ambulances transfers patients . It requires less noise, excellent air conditioning and Emergency elect supply for medical equipment.
- ⌚ Approx. 500 ambulances from select list / stake holders / hospitals / NGO will be selected for EV conversion in first phase in consultation with TC office, GoM.
- ⌚ It will be funded under CCD for capex and Free of cost replacement will be taken up subject to terms under RESCO model scheme and FI.
- ⌚ The project will be executed by SC/BC beneficiaries , O&M also to be done by them ,thereby generating employment and income .

### Corporate Community Development





## **Corporate Community Development- MAHA CIMS- CSR Initiative**

**MAHAPREIT CSR IMPLEMENTATION AND MANAGEMENT SUPPORT Company Ltd**

- 1) Issues and Concerns in CSR Projects Implementation
- 2) Domain expertise (3) Trustworthiness of PIA (4) Convergence of Funds under CSR
- 3) Objectives of Maha CIMS
  - a) Viable and doable models for CSR spending in govt sector
  - b) Self and Wage Employment for Weaker sections and Target beneficiaries of MPBCDC
  - c) End to end solution in CSR implementation
  - d) Tech and legal framework support mechanism
  - e) Larger CAPEX projects for community development like Health, Education and Drinking water sectors
  - f) Corporate partners, PSU banks, Oil, Power and Navratna CPSU and alliances
- 4) MAHA CIMS platform – Legal and Financial - SPV or Subsidiary of Mahapreit, National mandate

**Mahatma Phule Renewable Energy and Infrastructure Technology Limited**  
**(A subsidiary of MPBCDC, Govt of Maharashtra Company )**





**MAHA TMA PHULE RENEWABLE ENERGY AND INFRASTRUCTURE TECHNOLOGY LIMITED**

**(A subsidiary of MPBCDC, Govt of Maharashtra Company )**

**MAHAPREIT ECO SUPPORT COUNCIL (MESCO)**

**महाप्रित इको सपोर्ट कौन्सिल(मेस्को)**

**महात्मा फुले नवीनीकरणीय ऊर्जा व पायाभूत प्राद्यौगीकी मर्यादित  
(म. फु .मा. वि. म. ची उपकंपनी )**



## Alternative, Innovative Gen of Employment Program (AIGEP)



❖ **AIGEP** is platform for development and correlating new ideas of associating, and collaborating society at large by connecting all dots and capabilities available in Maharashtra and even in **Brihan Maharashtra meaning other states and ABROAD** desiring to do for the better cause of state of Maharashtra in general and for SC beneficiaries in particular.

- ❖ The AIGEP program is aimed to synchronise **all financial or any other resources that can be made available though CSR, crowd funding using various FINTECH platforms or leveraging capabilities of greater Maharashtra.**
- ❖ This will enable to create hundreds of **new job opportunities in various fields and projects** as envisioned by Mahapreit under its various vertical for the benefit of SC beneficiaries.



## मागे वळून पहा - Non-resident Maharashtra Leverage (NRML)

1. The Theme - **to connect the NRI Maharashtra Community who have immigrated to USA/ UK and many such countries.**
2. Such families are many times or in most of the cases have far better living style and prosperity and, they desire from within to support and help their villages particularly in **creating infrastructure facilities like roads, school rooms, electrifying and upkeep of schools and hospitals, bus stops, drinking water works and ESR and many such facilities.**
3. it is matter of initiative and to look for opportunity to use such schemes for creating or upkeeping or upgrading such rural infrastructure / utilities or its O&M expenditure from such NRI and create a pool of funds from such resources.

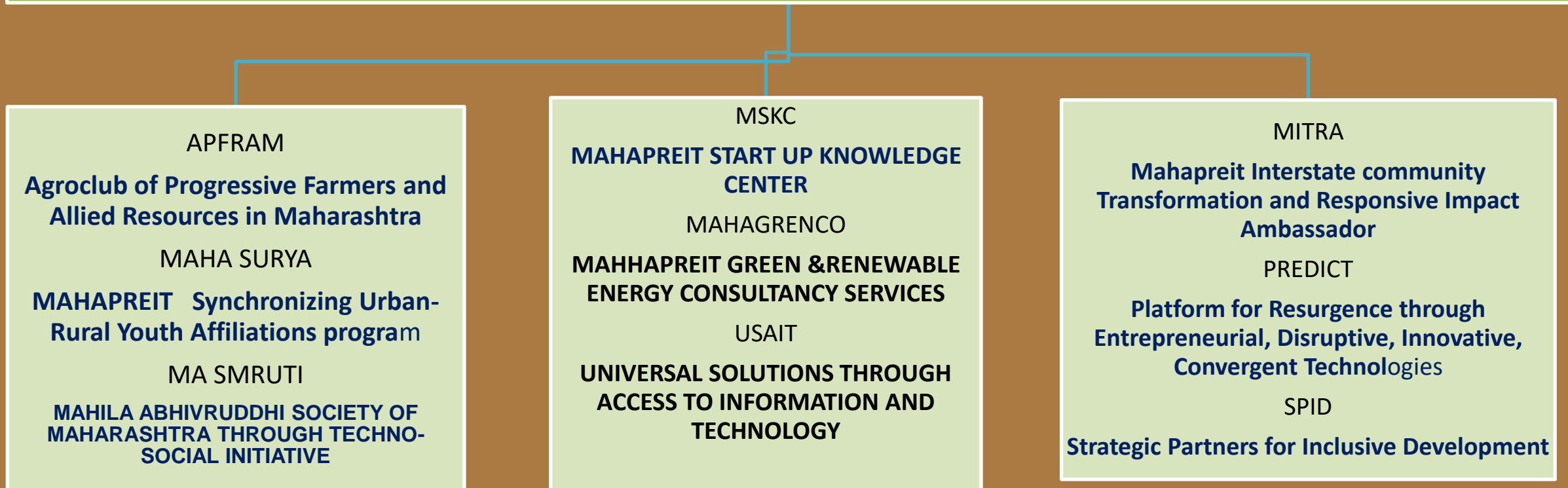
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## New initiatives

# MESCO-MAHAPREIT ECO SUPPORT COUNCIL



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## Equity in harvesting benefits



- ❖ Geographical and specified area considerations for specific purpose.
- ❖ Weaker section/SC may contribute a lot in terms of revenue generation and allied benefits in return to such initiatives.
- ❖ Less urbanized approach may reduce pressure on urban infrastructure.
- ❖ Focused economic development of weaker sections /SC community.
- ❖ Approach to bring weaker section into mainstream more effectively.



## Contribution to Society, Community and Govt of Maharashtra

- ❖ Increased Growth and development of Weaker section will result in harmonious society.
- ❖ Wealth Creation will lead to self sufficiency and sense of pride in weaker sections.
- ❖ Confident middle class.
- ❖ Social Justice and empowerment could be made exemplary model of constitutional equity – Achieving ultimate dreams of Dr B R Ambedkar and Mahatma Phule.





# आभार

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