

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"> Under- MNRE scheme /MERC order compliance for RPO support and Solar Power deficiency compliance /Supporting SC farmers groups/
Features -	<ul style="list-style-type: none"> As per MNRE scheme
Financials –	<ul style="list-style-type: none"> As per MNRE scheme
Business model –	<ul style="list-style-type: none"> JV with Central PSU and /or Private partner with land as equity from GOM and equity contribution as available in GoM /Gol /CPSU schemes Project finance from banks / FIs under SC components
Advantage to SC beneficiaries / community –	<ul style="list-style-type: none"> 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
Support from GoM -	<ul style="list-style-type: none"> Land to be made available. Equity participation if required , from GoM or NSFDC etc and FI/Corporate private equity



महाराष्ट्र शासन

उद्योग, ऊर्जा व कामगार विभाग

१६ वा मजला, नवीन प्रशासकीय भवन,

भायल कामा रोड, कुताबा राजगुरु चौक, बंगलोरमोर, मुंबई-३२

MOB NO.: ८८१२२०११११

Email id: pramod.official@mah.gov.in

फ़ोन : २७२५/३८८८५८/ऊर्जा-३

दिनांक : १५ एप्रिल, २०२२

प्रति,

अख्य व व्यवस्थापकीय संचालक,

महाराष्ट्र राज्य विद्युत वितरण कंपनी लि. प्रवरागड, चांदेपुरी, मुंबई-५१.

विषय : - मंडळित कंपनीद्वारे सांगली जिल्ह्यातील नियोजित १२५-१५० मेगावॉट झमतेचा शीर ऊर्जा निमिती प्रकल्पाचा वीज खरेदी करार करवतावा. या वीजेचा मंडळितरण कंपनी व मंडळित कंपनी यांच्यात वीज खरेदी करार करवतावा.

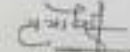
- संदर्भ :- १) अख्य व व्यवस्थापकीय संचालक, मंडळित यांचे पत्र क्र.एम्एचए/सीएमटी/सीएन/ओरेंज/१५२, दिनांक १३.१२.२०२१.
२) शासन निर्णय समक्रमांक दि. १७.२.२०२२.
३) संचालक (व्यक्तिगत), मंडळितरण कंपनी तथा शासन निर्णय समक्रमांक दि. १७.०२.२०२२ यांच्या वतीने केलेल्या उपस्थितीचे अख्य यांचे दि. १७.०२.२०२२ चे पत्र.
४) संचालक (संचालन), मंडळित यांचे पत्र क्र.१७४/सांगली/सीर प्रकल्प/प्रस्ताव/४२/२०२२, दि. ३०.३.२०२२.

मंडळित कंपनीद्वारे सांगली जिल्ह्यातील नियोजित १२५-१५० मेगावॉट झमतेचा शीर ऊर्जा निमिती प्रकल्पाचा वीज खरेदी करारासाठी (PPA) दरासंदर्भात विक्रय करवतावाची संचालक (व्यक्तिगत), मंडळितरण कंपनी यांच्या अध्यादेशातील उपस्थिती व सदर उपस्थितीने सादर केलेल्या अहवालाची समीक्षा करून पुढील कार्यवाहीची शिफारस करवतावाची प्रमाण सचिव (ऊर्जा) यांच्या अध्यादेशातील संदर्भाधीन दिनांक १७.०२.२०२२ च्या शासन निर्णयान्वये समिती मधील करण्यात आली होती.

२. संचालक (व्यक्तिगत), मंडळितरण कंपनी यांच्या अध्यादेशातील उपस्थितीने दिनांक १७.०२.२०२२ च्या पत्राप्रत्ये आवास सादर केला. सदर अहवालाप्रत्ये उपस्थितीने मंडळित कंपनीच्या सांगली जिल्ह्यातील नियोजित १२५-१५० मेगावॉट झमतेचा शीर ऊर्जा प्रकल्पातून निर्माण होणारी वीज ८.२२/kwh या दराने मंडळितरण कंपनीने खरेदी करावी अशी शिफारस केली. त्यानुषंगाने प्रमाण सचिव (ऊर्जा) यांच्या अध्यादेशातील समितीने दिनांक ०९.०३.२०२२ रोजी झालेल्या बैठकीत सदर प्रस्ताव व त्यास दिलेली कार्यवाहीमांसा विचारात घेऊन प्रस्ताव मा.मं. (ऊर्जा) मंडळाकडे मान्यतेसाठी सादर करवत अशी शिफारस अधिसूचना केली.

३. असा नमूद शासन निर्णय दिनांक १७.०२.२०२२ (ऊर्जा) मंडळित केलेल्या संचालक (व्यक्तिगत), मंडळितरण कंपनी यांच्या अध्यादेशातील मंडळित उपस्थितीचा आवास व उपस्थितीने वीज परावहन केलेली शिफारस, सदर उपस्थितीच्या अहवालाप्रमाण प्रमाण सचिव (ऊर्जा) यांच्या अध्यादेशातील मंडळित समितीने केलेली शिफारस, सदर प्रकल्पातून अनुसूचित जातीतील संशोधित जमीन परावहन विक्रयते आर्थिक उत्पन्न, स्थानिक रहिवासींचा होमस्ट रासायनिक/आर्थिक विकास, प्रकल्पाप्रमाण वीज संचालित केलेली सर्व कारणांमांसा विचारात घेऊन मंडळित कंपनीद्वारे सांगली जिल्ह्यातील नियोजित १२५-१५० मेगावॉट झमतेचा शीर ऊर्जा निमिती प्रकल्पातून निर्माण होणारी वीज मंडळितरण कंपनीने ८.२२२२ प्रतिघुनित घटने मंडळितरण कंपनीच्या सांगली मंडळित खरेदी करवतावा मंडळितरण कंपनीस शिफारस करवतावा केत आहे.

४. यानुसार असा नमूद वीज परावहन मंडळितरण कंपनी व मंडळित कंपनी यांच्यात ८.२२२२ प्रतिघुनित घटने वीज खरेदी करार करवतावा शिफारस करवतावा केत आहे. याच असा वीज खरेदी करार करवतावा विद्युत अधिनियम, २००३ व महाराष्ट्र विद्युत विद्यालय महत्वाचे विनियम इत्यादी यांच्यातील तरतुदीनुसार/ निवडानुसार अधिका पूर्ण करवतावा कावी, अशी सुध्दा शिफारस करवतावा केत आहे. तसेच मा.महाराष्ट्र विद्युत विद्यालय आयोगाप्रमाण असा नमूद वीज दर शिफारसवालीत (असा अध्यादेश) अधिका वाचवत करवतावा कावी, अशीसुध्दा शिफारस करवतावा केत आहे.


(अधीकरी)

वहा अधीकरी, महाराष्ट्र शासन

अतः माहिती तथा आचरण कार्यवाहीकरता अधिसूचित.

अख्य व व्यवस्थापकीय संचालक,

महाराष्ट्र राज्य विद्युत वितरण कंपनी लि. प्रवरागड, चांदेपुरी, मुंबई-५१.

२) महाराष्ट्र राज्य विद्युत वितरण कंपनी लि.

अधीकरी, महाराष्ट्र शासन, प्रमुखमंडळित आयोगाप्रमाण असा नमूद वीज दर शिफारसवालीत (असा अध्यादेश) अधिका वाचवत करवतावा कावी, अशीसुध्दा शिफारस करवतावा केत आहे.



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.

**महात्मा फुले नवीनीकरणीय ऊर्जा व पायाभूत प्राद्यौगीकी मर्यादित
(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”

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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 प्रादुर्गौकीकी 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

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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 10th 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.

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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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PUNE MUNICIPAL CORPORATION

अर्थशास्त्र

मुद्रण अभियंता (वि) कक्षातला.
पुणे महानगरपालिका
ज.क्र.- 361E
दिनांक - 17/03/2022

टी. महाशय्या कुले विष्णुपञ्चम एतर्ही अंगुठ

इन्फोसुप्लाय टेक्नोलॉजी लिमिटेड (MAHAPREIT),

501, 502 विभिन्न कार्बोरेट पाके,

नेशनल डू टू डेड सेंटर, बांदा कुशी कॉम्प्लेक्स,

સાલ (ટન) માત્ર - 400 051

निष्कर्ष - पुणे मंडळमार्गपरिक्षितयाम कर्मक्षेत्रातील विविध ठिकाणच्या वीज लावणामध्ये कमीतकमी 15% वीज बचत करण्यासाठी EISCO/IBOT तंत्राचा उपयोग करून घेतला व सर्वोत्तम 100% तुल्यबुद्ध बचत एका ठिकाणच्या मा.स.वि.मंडळीच्या विलस होण्याचा वीज बचत करीर 92% इतकीचालू सध्या (त्या ठिकाणच्या वीज दलनुसार) व सर्व सहाय्यार्थीतील ये.मंडळस पुणे मिल्मपुत्र एमजी ग्रिड इन्फ्रास्ट्रक्चर टर्मिनलची निमित्ति (MANHAPRET) याला आता बचतचा व तुल्यबुद्ध सर्वोत्तम कालावधी बचतचा तसेच त्यावेळीच या कालावधी व सर्व सहाय्यार्थीतील विलस होण्याचा तुल्यबुद्ध व टाईमलीही बचत करणे.

શિક્ષા - આ સત્તાથી સંબંધિત, ક્રમ: 2375 ટી.25/02/2022

2017年12月

- [illegible]

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नमूद कलाका व अपेक्षित कलाकारोंकेला ज्ञात कलाकारी ललनलनलनल दीडलनलनल ननरवाडी कलाकारनलनलनल गनूद कलनलनलनलनल राडील.

9. कसतलामा केन्द्राधीनीज 'डीजे' रजिस्टर भित्र आउदा फैले जखन नहने,
10. मुने महानगरपालिकेभन्दा ठुला वीज बजारमाथि कमीत कमी 15% एकरीभन्दा वीज बचत गर्ने अवसरमा आइ. बर्षमा कमी वीज बचत ठानेपछि त्यस डिस्कम्पे बचतीले भित्र देखाइने बजार नहने,
11. सरदर बामनासरी अथवा ('मे. महाप्रेत' (MAHAPREET)) माथि तलबर फैलेपछि डीजेले भित्र नसक्यदा एसिडब्याट एसिडबाट प्रयोगी सेटिङमाथि कमी बजारभन्दाभन्दा नमुने केन्द्राभन्दा बजारमाथि न त्यस डिस्कम्पेमा वीज बित्तुभन्दा डीजे बचतले बचतमा आउदा फैले नहुने,
12. 'Go Live Certificate' ले बजारभन्दा मुने महानगरपालिकेभन्दाथि देखाइने आन्तरिक बचतीले 80% बचतमाथि वीज बचतमा ('डीजे') अघाडी जित्नेछिने फैले नहुने,

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

बीज दर (लीटर) =

KWh/KVAh consumed as mentioned in the bill

12. સાર 8 વર્ષ મુદતીયા કામ કરાવવાના કારણથી મૂળે હુલામણા રૂપે સગાવડતીઓને થતાંને સહિય મૂળે માનવબળવિકલેષા બાદુ સિદ્ધાંતોને હમણાવિત બે. સહાણી (MAHAPREIT) ધારી બનાવે.

अनुसंधान

(भूमिगत संयंत्र)
मुद्रण अभियंता (विद्युत)
गुरु नानक देव विश्वविद्यालय

428

1. मा. कार्यालयी अभियंता (प्रशासक विभाग)
2. मा. जलपरी व प्राधानीय अधीनस्थक
3. मू. इल्लिक इन्सुलुनक, मिन्नल्लिक पौक, पर्वती, मुने
4. मा. उप अभियंता (विद्युत) - बी.पु.स. वल्ल
5. साका / कनिष्ठ अभियंता बी.ओ.नल्लिक इले
6. दैता वल्लिक - बी.ओ.नल्लिक पर्वती
7. वल्लिक / अल्लिक
8. वल्लिक वल्लिक, मुने नल्लिक वल्लिक

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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 Shrinolk, IAS, CMD MAHAPREIT and Shri Vikram Kumar, IAS, Municipal Commissioner to PUNE.

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

and wage 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 Shrinolk, CMD MAHAPREIT expressed that this project will bring lots of energy saving, hence cost saving on energy bill to PMC in future.

Similarly, Shri Vikram Kumar, 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 Kanak Khemnar, IAS, Additional Commissioner, Shri Shrinivas Kondal Chief Engineer (Electrical), Smt. Manisha Shekhar S.E (Electrical) of Pune Municipal Corporation and Shri Vijay Kumar Kulkarni, Director (Operations), Shri Vinod Jadhav Rao (CFA), Shri Prashant Godse, Executive Director (Admin), Shri Pankaj Shah (CLA), Chief General Managers Shri Shyamvander Sani, Shri Satish Chawar, Shri Ganesh Choudhari and Shri Milind Anandke, PRD, Shri Prasad Dabekar were present.

उर्जा बचत प्रकल्पासाठी महाप्रितचा पुणे महानगरपालिकेसोबत सामंजस्य करार संपन्न

पुणे, दि. ०७। प्रतिनिधी

महाराष्ट्र शासनाच्या महत्त्वा फुले मागासवर्ग विकास महामंडळाअंतर्गत स्थापन करण्यात आलेल्या महत्त्वा फुले नविसीकरणीय उर्जा व पावाभूत प्रौद्योगिकी मर्यादीत (महाप्रित) या सहयोगी कंपनीने आज दि. ०७/०४/२०२२ रोजी पुणे महानगरपालिकेसोबत उर्जेची व उर्जा खर्चाची बचत, योग्य, यासाठी उपाययोजना करण्यासाठीच्या प्रकल्पासाठी सामंजस्य करार केला. या सामंजस्य करारावर महाप्रितर्फे श्री. बिपिन श्रीमाली, भा.प्र.से., अध्यक्ष तथा व्यवस्थापकीय संचालक, महाप्रित, यांनी तसेच श्री. विक्रमकुमार, भा.प्र.से., आयुक्त, पुणे महानगरपालिका यांनी स्वाक्षर्या 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 उपक्रमाने 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 घटकानाही उपयोग होणार आहे. पुणे महानगरपालिका (झकड) 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 ह्याती पेश्यास त्यामुळे चालना मिळेल. यावेळी श्री. बिपिन श्रीमाली, 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 महानगरपालिकेने 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 शेंकटकर, अधिक्षक अभियंता (विद्युत) पुणे महानगरपालिका, श्री. विजयकुमार काळम पाटील, संचालक (संचालन), महाप्रित, श्री. प्रशांत गेडाम, कार्यकारी संचालक (प्रशासन), महाप्रित, मुख्य महाव्यवस्थापक श्री. श्यामसुंदर सोनी, श्री. सतीश चवरे, श्री. गणेश चौधरी, श्री. विंदेश 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)



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



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 प्रादुर्गोकी मर्यादित
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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 H₂ 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">Consultants / Promoters / Individuals with domain expertise for setting up Start-up Accelerator Cells for SC / BC	<ul style="list-style-type: none">investment bankers/ Firms/ Developers/ NBFC (Regulated by RBI / SEBI)/Venture Capital	<ul style="list-style-type: none">Companies / Firms / partnership firms
<ul style="list-style-type: none">Fintech firms and Fintech technology providers.	<ul style="list-style-type: none">Digital currency / Block chain	<ul style="list-style-type: none">Start ups and Entrepreneurs
<ul style="list-style-type: none">Institutes of eminence/ Universities Foreign universities / IITs/IIMs/NITs	<ul style="list-style-type: none">Foundations and Endowment funds, CSR	<ul style="list-style-type: none">SHG/ Women groups
<ul style="list-style-type: none">Laboratories in India as well abroad / testing centers / Research institutes / Validating facilities	<ul style="list-style-type: none">FI/ External FI/ Banks/ Development banks	<ul style="list-style-type: none">Societies



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.

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



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

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



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

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



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



MAHATMA PHULE RENEWABLE ENERGY AND INFRASTRUCTURE TECHNOLOGY LIMITED
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Task Force on Affordable Housing - Members of the Task force :

- 1) Dr. Vijay Satbir Singh (IAS ret'd) – Former ACS GoM (Home/ Public Health) and Member MAHA RERA. (Maharashtra Real Estate Regulatory Authority) Mumbai.
- 2) Shri S S Zende (IAS ret'd) – 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 Gyaneshwar 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)	160 SHG's 7200 Women members	36
2	CPC for APVC (Taluka level) (Two talukas in each District) (36 districts*2)	72	72
3	CPC for APVC (District level) (3 Cr per district)	12 Districts	60
4	Formation of FPO/FPC	350 (Rs 25 lakhs per FPO)	52.5
5	Waste to Energy Projects (Biomass to CHG/CHQ/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/DAITI/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 comp)	3.9
Total			364.2

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

MAHA MAFKO	
	Logistics , IOT and Processing with separate subsidiaries , Forward –backward links
	MOU with GoI/Pvt companies for Display and sales in domestic market
	Export through dedicated SPV with export-oriented processing unit
	Collaboration with All Tech/professional and Financial institutes and IOT innovations like APEDA, EXIM bank, STPI ...



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)

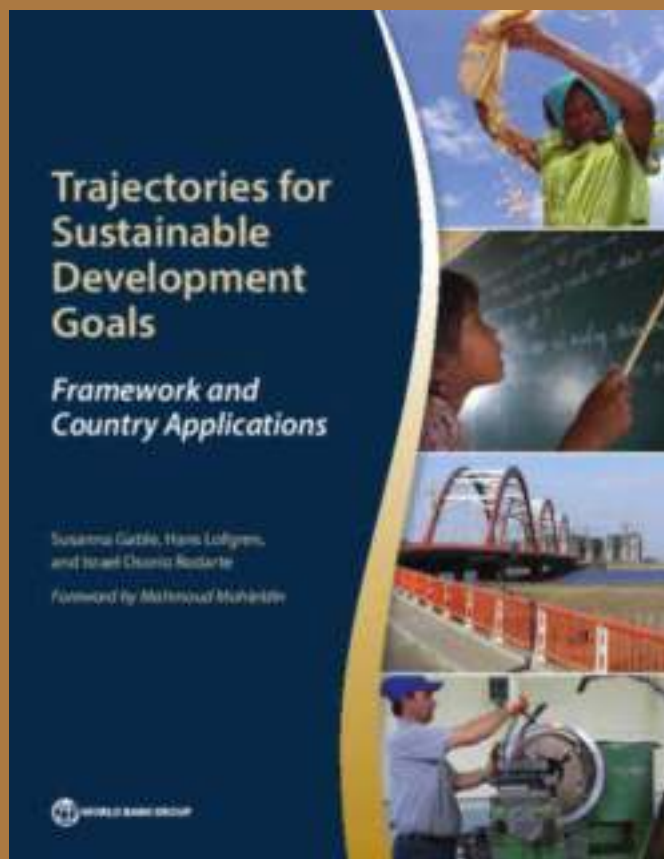
महाप्रित जिल्हा एकात्मिक उद्योजकता कार्यक्रम

**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



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



Mahatma Phule Renewable Energy and Infrastructure Technology Limited
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INVITATION



MAHAPREIT cordially invites you to participate and be the part of



MAHAPREIT GREEN FUND INVESTOR MEET 2022

Date : 22nd 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) & Biobase

ATTENDEE PROFILE

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



75
Azadi Ka Amrit Mahotsav




Bipin Shrivastava, IAS
Chairman
MAHAPREIT & MPBCDC
Govt. of Maharashtra

Santosh Bhange, IAS
Secretary
Housing and Smart Cities Department
Govt. of Maharashtra

MAHAPREIT pre-invites to mark 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 Govt
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	Nine3 Fincare Private Limited
38	Umicore
39	Avaada
40	Avendus Capital Private Limited



MAHAFIM 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 Mahasarakham	Solar generation to farmers
2	Battery storage Project of 500-MW under emerging technology area in OPES model	MAHAPREIT	Setting up of Pilot Projects of 500 MW/1000 MWh Stations Battery Energy Storage Systems in Gujarat in JV with Solar as per terms of tender	Battery Storage
3	100 MW Solar Project	Vindolun Agro Co. Operative Ltd	To set up 100 mw solar power plant	Direct Employment to the local residents Farmers will be benefited Project may generate profits
4	Development of 125 – 150 MW Solar Project in Sargol District	MAHAPREIT	Development of 125 – 150 MW Solar Project in Sargol District	Regular income source to MAHAFIM for 25 years 100 employment opportunity to SC Beneficiaries for 15 years
5	Smart Energy Meter Replacement	MAHAPREIT	Smart Energy Meter Replacement	Expected RR is approx. 14 to 15 % Approximate workforce requirement of 120 person / Month/10000 SM replacements. Huge Employment opportunity can be created
6	Floating Solar Mahagenco 125 MW in JV with Solar as per tender terms	MAHAPREIT	Floating Solar Project	125 MW solar power Employment Generation Water Desorption Issues
7	WDF plant	ANVCH LANKA BIOGRO SOLUTIONS (PVT) LIMITED	It is a waste management project for the production of RDF from segregated waste of municipal corporation	WDF – 4000 tonne/day WWM
8	Solid Waste Project	ANVCH INFRACTION 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 fulfil the energy requirement in PMC, Pune region.	Project RR 9.60% Equity RR 11.25% Regular income source to MAHAFIM for 25 years

10	Nagpur Municipal Corporation 50 MW Solar Project	MAHAPREIT	To set up 50 MW Solar Project to fulfil the energy requirement in NMC, Nagpur region.	Project RR 9.60% Equity RR 11.25% Regular income source to MAHAFIM for 25 years
11	10 Biomass pellets plants of 300 TPD Capacity	Aashirvan Ti. Jadhav Agro Farmers Producer company LTD.	10 Biomass pellets plants of 300 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 300 TPD Capacity	Quality Management Services	10 Torrefied Biomass Pellets plants of 300 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 produces Biogas (NG) as green alternative source	Biogas to Agriculture to Energy



Hon CM and Hon DCM addressing GFIM Meet





STANDARD POST, Mumbai Thursday Aug 25, 2022

State attracts 25K cr funds for renewable energy, infrastructure



(Standard Post, Mumbai, Aug 25) 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 projects 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 Shrinani.

Also, a road infrastructure project for Surat-Chennai Expressway has signed an agreement.

Shrinani 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, he said.

20 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

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

Shrinani said the event's main focus was renewable energy and electric vehicle charging stations for the state. "The response to the investors' meeting was overwhelming. As many as 23 projects were finalised. This will create employment opportunities across Maharashtra on a large scale," he said.



CMOMaharashtra

Just now · 3

'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.



- 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 22nd 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
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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
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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)

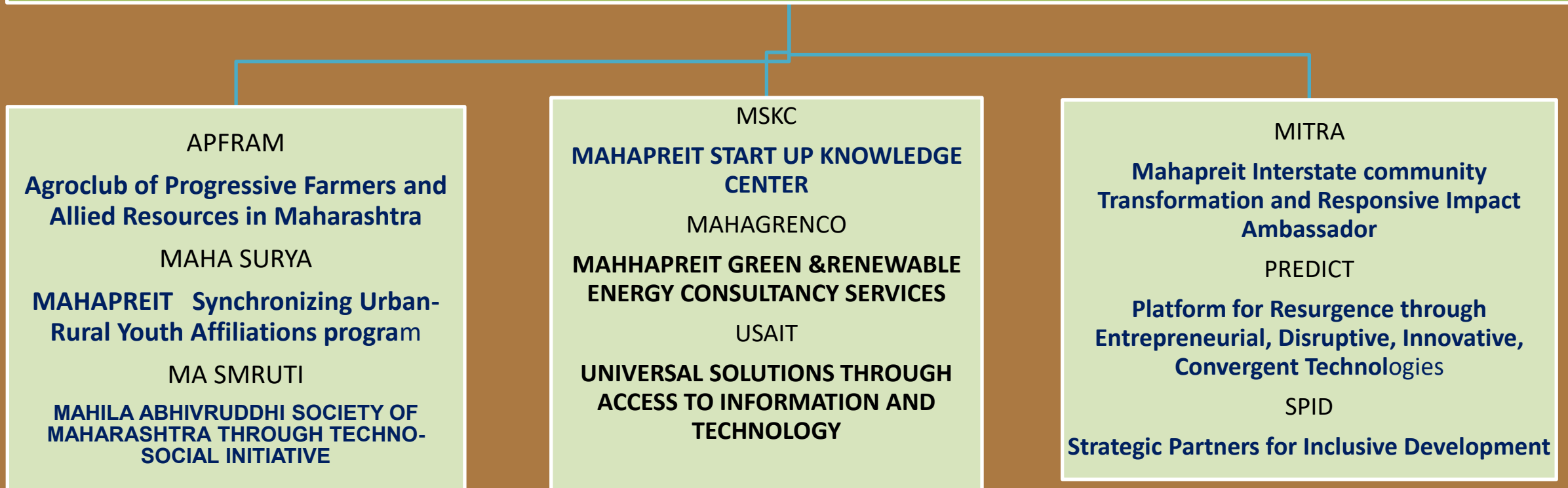
1. The Theme - **to connect the NRI Maharashtra Community who have immigrated to USA/ UK and many such countries.**
2. Such families are many times or in most of the cases have far better living style and prosperity and, they desire from within to support and help their villages particularly in **creating 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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