



PROJECT PROFILES

OF

MIZORAM

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PROJECT PROFILES OF MIZORAM

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Introduction :

Promising investment opportunities in the near future for economic development of Mizoram is in the pipeline. Necessary formalities have to be followed for which some rules and regulations are being adapted for investment through business and other activities like building up of infrastructure.

The State of Mizoram has now exposed some projects on forest based industries and on generation of power.

The horticulture-based industries are likely to be productive soon. Economic development is moving ahead while hurdles are overcome one by one.

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Project Profiles for Bamboo Shoot Canning Industries :

1. Name of the Project : Bamboo Shoot Canning Industry (BSC)
2. Location within State /Country : Bamboo Industries Complex, Sairang or Industrial Estates, Zuangtui or Sub-towns with rich bamboo resources.
3. Nearest Rail, Road & Sea Connection :
 - i) Nearest Rail Head - Bairabi (Mizoram)
 - ii) Nearest Road - National Highways.
 - iii) Nearest Sea Connection - Kolkata Sea Port.
4. Estimated Capital Cost of the Project : The total project cost is Rs. 3.70 crores
5. Capital Equipment : Power operated machines like boiling seath removing, slicing, rinsing, packaging, canning, sterilizing etc. machines.
6. Raw Materials : Bamboo & canning materials.
7. Environment Impact : Bamboo, the main raw material is eco-friendly and regenerative in its nature and no hazardous waste, hence no bad environment/ecological effect. Rather, the project will helps in preservation of timber forest and check jhum cultivation by providing alternative livelihood to the people.
8. Foreign Exchange Cost component : Capital equipment component (Rs. 225.00 lakhs).
9. Promotion Department : The Industries Department/Bamboo Development Agency, Government of Mizoram.
10. Method of Selection of the private promoter. : In joint venture with local partner for investment from outside.
11. Policy framework applicable to the project : Industrial Policy of Mizoram 2000, Bamboo Policy of Mizoram 2002, Industrial Policy of NER & Govt. of India.
12. Time-frame for selection & completion of selection of private sector sponsor/ Developer : No fixed time frame.
13. Government Incentives packages applicable to the project. : Subsidies on investment, power, interest, transport etc.
14. Expected level of Govt. participation : Facilitators, technical/managerial assistance.
15. Expected source of financing : Private Promoters and financial institutions.
16. Sovereign & Multilateral Guarantees :
 - 1) Promoter's collateral security
 - 2) State Government Guarantee
17. Other General Information :
 - 1) The State is rich in raw material-bamboo.
 - 2) Bamboo shoot constituents is very good for human consumption and also for animal feeds.
 - 3) Bamboo is priority subject of State Government and is becoming thrust area of Govt. of India.
 - 4) Manpower available in the State.

Project Profiles for Bamboo Charcoal & Vinegar Industries :

1. Name of the Project : Bamboo Charcoal & Vinegar Industry (CBBP)
2. Location within State /Country : Bamboo Industries Complex, Sairang or Industrial Estates, Zuangtui or Sub-towns with rich bamboo resources.
3. Nearest Rail, Road & Sea Connection :
 - i) Nearest Rail Head - Bairabi (Mizoram)
 - ii) Nearest Road - National Highways.
 - iii) Nearest Sea Connection - Kolkata Sea Port.
4. Estimated Capital Cost of the Project. : The total project cost is Rs. 7.96 crores
5. Capital Equipment : Power operated machines like cutting, grinding, scrap, extruder, carbonizing stove and activation chamber.
6. Raw Materials : Bamboo.
7. Environment Impact :

Bamboo, the main raw material is eco-friendly and regenerative in its nature and no hazardous waste, hence no bad environment/ecological effect.

Rather, the project will help in preservation of timber forest and check jhum cultivation by providing alternative livelihood to the people.
8. Foreign Exchange Cost component : Capital equipment component (Rs. 650.00 lakhs).
9. Promotion Department : The Industries Department/Bamboo Development Agency, Government of Mizoram.
10. Method of Selection of the private promoter. : In joint venture with local partner for investment from outside.
11. Policy framework applicable to the project : Industrial Policy of Mizoram 2000, Bamboo Policy of Mizoram 2002, Industrial Policy of NER & Govt. of India.
12. Time-frame for selection & completion of selection of private sector sponsor/ Developer : No fixed time frame.
13. Government Incentives packages applicable to the project. : Subsidies on investment, power, interest, transport etc.
14. Expected level of Govt. participation : Facilitators, technical/managerial assistance.
15. Expected source of financing : Private Promoters and financial institutions.
16. Sovereign & Multilateral Guarantees :
 - 1) Promoter's collateral security
 - 2) State Government Guarantee
17. Other General Information :
 - 1) The State is rich in raw material-bamboo.
 - 2) Bamboo is priority subject of State Government and is becoming thrust area of Govt. of India.
 - 3) Manpower available in the State.
 - 4) Bamboo charcoal and vinegar due to its advantages have many applications.

Project Profiles for Bamboo Construction Board Industries :

1. Name of the Project : Bamboo Construction Board Industry (BCB)
2. Location within State /Country : Bamboo Industries Complex, Sairang or Industrial Estates, Zuangtui or Sub-towns with rich bamboo resources.
3. Nearest Rail, Road & Sea Connection :
 - i) Nearest Rail Head - Bairabi (Mizoram)
 - ii) Nearest Road - National Highways.
 - iii) Nearest Sea Connection - Kolkata Sea Port.
4. Estimated Capital Cost of the Project. : The total project cost is Rs. 3.50 crores (may be more on capacity and equipment brand)
5. Capital Equipment : Power operated machines like bamboo cutting,splitting, slicing/slivering, drying, gluing, hot press and finishing machines.
6. Raw Materials : Bamboo & glues.
7. Environment Impact : Bamboo, the main raw material is eco-friendly and regenerative in its nature and no hazardous waste, hence no bad environment/ecological effect.
Rather, the project will helps in preservation of timber forest and check jhum cultivation by providing alternative livelihood to the people.
8. Foreign Exchange Cost component : Capital equipment component (Rs. 280.00 lakhs).
9. Promotion Department : The Industries Department/Bamboo Development Agency, Government of Mizoram.
10. Method of Selection of the private promoter. : In joint venture with local partner for investment from outside.
11. Policy framework applicable to the project : Industrial Policy of Mizoram 2000,Bamboo Policy of Mizoram 2002, Industrial Policy of NER & Govt. of India.
12. Time-frame for selection & completion of selection of private sector sponsor/ Developer : No fixed time frame.
13. Government Incentives packages applicable to the project. : Subsidies on investment, power, interest, transport etc.
14. Expected level of Govt. participation : Facilitators, technical/managerial assistance.
15. Expected source of financing : Private Promoters and financial institutions.
16. Sovereign & Multilateral Guarantees :
 - 1) Promoter's collateral security
 - 2) State Government Guarantee
17. Other General Information :
 - 1) The State is rich in raw material-bamboo.
 - 2) Bamboo is priority subject of State Government and is becoming thrust area of Govt. of India.
 - 3) Manpower available in the State.
 - 4) The product is very good for timber substitute.

Project Profiles for Bamboo Curtain Mat Industries :

1. Name of the Project : Bamboo Curtain Mat Industry (BCM)
2. Location within State /Country : Bamboo Industries Complex, Sairang or Industrial Estates, Zuangtui or Sub-towns with rich bamboo resources.
3. Nearest Rail, Road & Sea Connection :
 - i) Nearest Rail Head - Bairabi (Mizoram)
 - ii) Nearest Road - National Highways.
 - iii) Nearest Sea Connection - Kolkata Sea Port.
4. Estimated Capital Cost of the Project. : The total project cost is Rs. 1.17 crores (w.c.margin 25 lakhs)
5. Capital Equipment : Power operated machines like bamboo cutting,splitting, sticks making bobbin winder and weaving machines.
6. Raw Materials : Bamboo & Yarns.
7. Environment Impact : Bamboo, the main raw material is eco-friendly and regenerative in its nature and no hazardous waste, hence no bad environment/ ecological effect.
Rather, the project will helps in preservation of timber forest and check jhum cultivation by providing alternative livelihood to the people.
8. Foreign Exchange Cost component : Capital equipment component (Rs. 60.00 lakhs).
9. Promotion Department : The Industries Department/Bamboo Development Agency, Government of Mizoram.
10. Method of Selection of the private promoter. : In joint venture with local partner for investment from outside.
11. Policy framework applicable to the project : Industrial Policy of Mizoram 2000,Bamboo Policy of Mizoram 2002, Industrial Policy of NER & Govt. of India.
12. Government Incentives packages applicable to the project. : Subsidies on investment, power, interest, transport etc.
13. Expected level of Govt.participation : Facilitators, technical/managerial assistance.
14. Expected Return of Investment : 28.54%
15. Recommended Debt Equity Ratio : 1:1
16. Expected source of financing : Private Promoters and financial institutions.
17. Sovereign & Multilateral Guarantees :
 - 1) Promoter's collateral security
 - 2) State Government Guarantee
18. Feasibility Report : Available.
19. Other General Information :
 - 1) The State is rich in raw material-bamboo.
 - 2) Bamboo is priority subject of State Government and is becoming thrust area of Govt. of India.
 - 3) Manpower available in the State.

Project Profiles for Energy Projects :

A.

1. Name of the Project : **Tuirini Hydro-Electric Project.**
2. Location within State /Country : Aizawl District, Mizoram
Latitude : 23° 47' 41"N(84/A13)
Longitude : 92° 53' 20"E(84/A)
3. Nearest Rail, Road & Sea Connection :
 - i) Nearest Rail Head - Bairabi, Mizoram (175Km)
 - ii) Nearest Road Connection : NH - 54 (10Km)
 - iii) Nearest Airport : Lengpui near Aizawl (100Km)
 - iv) Nearest Port : Kolkata Port.
4. Estimated Capital Cost of the Project. : Rs. 330.00 crores (INR)
5. Installed Capacity : 44 MW at 30% L.F.
6. Firm Power : 14 MW.
7. Environmental Impact : No village nor any arable land will be submerged.
8. Foreign Exchange Cost component : Nil.
9. Promoting Department : Power & Electricity Department, Government of Mizoram.
10. Method of Selection of the private promoter. : Through evaluation by a selection Committee/competitive bidding.
11. Policy framework applicable to the project : The Electricity Act, 2003 and the Notifications of Central and State Governments from time to time.
12. Time-frame for selection & completion of selection of private Sector Sponsor/Developer : Within a period of 6 (six) months.
13. Government Incentives packages applicable to the project. : The incentives notified by Government of India from time to time will be applicable.
14. Expected Return of Investment : 16% rate of return on equity.
15. Debt Equity Ratio : Debt : Equity ratio upto 4:1
16. Expected Source of financing : Private Promoters and financial institutions.
17. Sovereign & Multilateral Guarantees :
 - 1) Promoter's collateral security
 - 2) State Government Guarantee
18. Feasibility Report : Available.
19. Other General Information :
 - 1) Existing 132 KV line along NH-150 can be used as evacuation line.
 - 2) There is a ready market in Mizoram and a load centre of Aizawl City is only 56 Km along the road.
 - 3) Jeepable approach road has already been constructed upto dam and power house sites.

**Project Profiles for Energy Projects :
B.**

1. Name of the Project : **Tuivawl Hydro-Electric Project.**
2. Location within State /Country : Aizawl District, Mizoram
Latitude : 23° 55' 43"N
Longitude : 92° 59' 07"E
3. Nearest Rail, Road & Sea Connection :
 - i) Nearest Rail Head - Bairabi, Mizoram (175Km)
 - ii) Nearest Road Connection : NH - 54 (10Km)
 - iii) Nearest Airport : Lengpui near Aizawl (100Km)
 - iv) Nearest Port : Kolkata Port.
4. Estimated Capital Cost of the Project. : Rs. 315.00 crores (INR)
5. Installed Capacity : 42 MW at 30% L.F.
6. Firm Power : 13 MW.
7. Environmental Impact : No village nor any arable land will be submerged.
8. Foreign Exchange Cost component : Nil.
9. Promoting Department : Power & Electricity Department, Government of Mizoram.
10. Method of Selection of the private promoter. : Through evaluation by a selection Committee/competitive bidding.
11. Policy framework applicable to the project : The Electricity Act, 2003 and the Notifications of Central and State Governments from time to time.
12. Time-frame for selection & completion of selection of private Sector Sponsor/Developer : Within a period of 6 (six) months.
13. Government Incentives packages applicable to the project. : The incentives notified by Government of India from time to time will be applicable.
14. Expected Return of Investment : 16% rate of return on equity.
15. Debt Equity Ratio : Debt : Equity ratio upto 4:1
16. Expected Source of financing : Private Promoters and financial institutions.
17. Sovereign & Multilateral Guarantees :
 - 1) Promoter's collateral security
 - 2) State Government Guarantee
18. Feasibility Report : Available.
19. Other General Information :
 - 1) Existing 132 KV line along NH-150 can be used as evacuation line.
 - 2) There is a ready market in Mizoram and a load centre of Aizawl City is only 56 Km along the road.
 - 3) Jeepable approach road has already been constructed upto dam and power house sites.

Project Profiles for Energy Projects :

C.

1. Name of the Project : **Kawlberm Small Hydel Project.**
2. Location within State /Country : Champhai District, Mizoram near Kawlberm.
Latitude : 23° 15' 00"N
Longitude : 93° 20' 00"E
3. Nearest Rail, Road & Sea Connection :
 - i) Nearest Rail Head - Bairabi, Mizoram (430Km)
 - ii) Nearest Road Connection : NH - 54Kms
 - iii) Nearest Airport : Lengpui near Aizawl (340Km)
 - iv) Nearest Port : Kolkata Port.
4. Estimated Capital Cost of the Project. : Rs. 1961.00 crores
5. Installed Capacity : 2 x 1750 KW .
6. Firm Power :
7. Environmental Impact : No village nor any arable land will be submerged.
8. Foreign Exchange Cost component : Nil.
9. Promoting Department : Power & Electricity Department, Government of Mizoram.
10. Method of Selection of the private promoter. : Through evaluation by a selection Committee/competitive bidding.
11. Policy framework applicable to the project : Renewable Energy Policy, Govt. of Mizoram.
12. Time-frame for selection & completion of selection of private Sector Sponsor/Developer : Within a period of 6 (six) months.
13. Government Incentives packages applicable to the project. : Incentives as per Renewable Energy Policy of Govt. of Mizoram.
14. Expected Return of Investment : Minimum 16% rate of return on equity.
15. Debt Equity Ratio : No restriction.
16. Expected Source of financing : Private Promoters and financial institutions.
17. Sovereign & Multilateral Guarantees :
 - 1) Promoter's collateral security
 - 2) State Government Guarantee
18. Feasibility Report : Available.
19. Other General Information :
 - 1) Existing 11 KV line is 12 Km from the Project site.
 - 2) There is a ready market in Mizoram and a load centre of Ngopa and nearby villages.

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Project Profiles for Energy Projects :

D.

1. Name of the Project : **Ngengrual-II Small Hydrel Project.**
2. Location within State /Country : Aizawl District, Mizoram, near Thingfal.
Latitude : 23° 37' 20"N 84 B/13
Longitude : 93° 53' 20"E 84 B/13
3. Nearest Rail, Road & Sea Connection :
 - i) Nearest Rail Head - Bairabi, Mizoram (430Km)
 - ii) Nearest Road Connection : NH - 54 Kms
 - iii) Nearest Airport : Lengpui near Aizawl (340Km)
 - iv) Nearest Port : Kolkata Port.
4. Estimated Capital Cost of the Project. : Rs. 1112.50 (Lakhs)
5. Installed Capacity : 2 x 1000 KW.
6. Firm Power :
7. Environmental Impact : No village nor any arable land will be submerged.
8. Foreign Exchange Cost component : Nil.
9. Promoting Department : Power & Electricity Department, Government of Mizoram.
10. Method of Selection of the private promoter. : Through evaluation by a selection Committee/competitive bidding.
11. Policy framework applicable to the project : Renewable Energy Policy, Govt. of Mizoram.
12. Time-frame for selection & completion of selection of private Sector Sponsor/Developer : Within a period of 6 (six) months.
13. Government Incentives packages applicable to the project. : As per the incentives package lay down in Renewable Energy Policy, Govt. of Mizoram.
14. Expected Return of Investment : Minimum 16% on investment.
15. Debt Equity Ratio : As per the decision of investor.
16. Expected Source of financing : Private Promoters and financial institutions.
17. Sovereign & Multilateral Guarantees :
 - 1) Promoter's collateral security
 - 2) State Government Guarantee
18. Feasibility Report : Available.
19. Other General Information :
 - 1) Existing 132 KV line along NH-54 can be used as evacuation line.
 - 2) There is a ready market in Mizoram and a load centre of Lawngtlai town is only 25 Km from the project site.
 - 3) Jeepable approach road has already been constructed upto intake sites.

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Project Profiles for Energy Projects :
E.

1. Name of the Project : **Tlawva Small Hydel Project.**
2. Location within State /Country : Champhai District, Mizoram, near Khawbung.
Latitude : 23° 03' 30"N
Longitude : 93° 02' 30"E
3. Nearest Rail, Road & Sea Connection :
 - i) Nearest Rail Head - Bairabi, Mizoram (414Km)
 - ii) Nearest Road Connection : NH - 150 (25 Km)
 - iii) Nearest Airport : Lengpui near Aizawl (341Km)
 - iv) Nearest Port : Kolkata Port.
4. Estimated Capital Cost of the Project. : Rs. 28.00 crores (INR)
5. Installed Capacity : 5000 KW.
6. Firm Power : 286.00 KW
7. Environmental Impact : No village nor any arable land will be submerged.
8. Foreign Exchange Cost component : Nil.
9. Promoting Department : Power & Electricity Department, Government of Mizoram.
10. Method of Selection of the private promoter. : Through evaluation by a selection Committee/competitive bidding.
11. Policy framework applicable to the project : Renewable Energy Policy, Govt. of Mizoram.
12. Time-frame for selection & completion of selection of private Sector Sponsor/Developer : Within a period of 6 (six) months.
13. Government Incentives packages applicable to the project. : Incentives as per Renewable Energy Policy, Govt. of Mizoram.
14. Expected Return of Investment : 16% rate of return on equity.
15. Debt Equity Ratio : No restriction.
16. Expected Source of financing : Private Promoters and financial institutions.
17. Sovereign & Multilateral Guarantees :
 - 1) Promoter's collateral security
 - 2) State Government Guarantee
18. Feasibility Report : Available.
19. Other General Information :
 - 1) Existing 33 KV line along Champhai - Khawbung - Biate road can be used as evacuation line.
 - 2) There is a ready market in Mizoram.

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