

**PENETRATION LEVEL OF ENERGY EFFICIENT TECHNOLOGIES IDENTIFIED  
UNDER  
BEE SME PROGRAMME  
(Jamnagar Brass Cluster)**

**a. Cluster Background**

Sl. No.	Particulars	Value
1	No. of Units (Foundry), Numbers	900
2	Total Energy Consumption, toe	50770
2.1	Extrusion	15822
2.2	Foundry	29061
2.3	Machining	4967
2.4	Electroplating	919
3	Energy Saving Potential (Foundry), toe	8005

**b. Energy Efficient Technologies Identified**

S No	Proposed Technology	Document ID	Monetary Savings (in Rs. Lakhs)	Investment (in Rs. Lakhs)	Penetration Level (in number of units)	Total investment required (in Rs. Lakhs)
1	Energy Efficient Gas Fired Pit Furnace (200 kg/hr)	JAM/BRS/EPF/01	3.5	12.65	300	3795.0
2	Energy Efficient Gas Fired Pit Furnace (300 kg/hr)	JAN/BRS/EPF/02	5.44	12.94	170	2199.8
3	Energy Efficient Gas Fired Pit Furnace (350 kg/hr)	JAN/BRS/EPF/03	6.41	12.94	125	1617.5
4	Energy Efficient Gas Fired Rotoberatory Furnace (250 kg/hr)	JAM/BRS/EGR/04	6.95	8.8	80	704.0
5	Energy Efficient Gas Fired Rotoberatory Furnace (500 kg/hr)	JAM/BRS/EGR/05	13.99	18.43	40	737.2
6	Energy Efficient Gas Fired Rotoberatory Furnace (750 kg/hr)	JAM/BRS/EGR/06	20.94	20.63	20	412.6
7	Energy Efficient Oil Fired Pit Furnace (150 kg)	JAM/BRS/EOF/07	2.87	2.64	20	52.8
8	Energy Efficient Oil Fired Pit Furnace (300 kg)	JAM/BRS/EOF/08	5.73	3.74	10	37.4
9	Energy Efficient Oil Fired Pit Furnace (400 kg)	JAM/BRS/EOF/09	7.69	4.35	5	21.8
11	Energy Efficient Gas Fired Reheating Furnace (750 K/hr)	JAM/BRS/EGF/10	6.03	11.85	80	948.0
10	Energy Efficient Gas Fired Reheating Furnace (1200 K/hr)	JAM/BRS/EGF/11	9.74	15.2	40	608.0
12	Energy Efficient Gas Fired Reheating Furnace (2000 K/hr)	JAM/BRS/EGF/12	16.33	18.7	20	374.0
13	Energy Efficient Oil Fired Reheating Furnace (750 Kg/hr)	JAM/BRS/ERF/13	5.37	7.53	50	376.5
14	Energy Efficient Oil Fired Reheating Furnace (1200 Kg/hr)	JAM/BRS/ERF/14	8.66	9.35	40	374.0
15	Energy Efficient Oil Fired Reheating Furnace ( 2000 Kg/hr)	JAM/BRS/ERF/15	14.12	11.56	30	346.8
<b>Total investment required for energy efficiency interventions in Jamnagar (Brass) Cluster</b>						<b>12605.4</b>

<b>Jamnagar (Brass) Cluster</b>			
<b>S.No.</b>	<b>Name of Unit</b>	<b>Address</b>	<b>Contact Person</b>
1	Jamunaji Electroplaters, Jamnagar	A/37, GIDC, Shankar Tekri, Udyognagar, Opp. Navtan Show Room, Jamnagar	Kishan R. Kava
2	Ashish Electroplaters, Jamnagar	GIDC, 456/1, Shankar Tekri, Udyognagar, Jamnagar	Ratilal Sorathia
3	Chamunda Metal Cast, Jamnagar	Plot No. 1, Vinayak Cold Storage Compound, Arya Dev Complex, GIDC, Shankar Tekri, Udyog Nagar, Jamnagar	Hashmukh Bhai Solanki
4	Gujarat Industries, Jamnagar	GIDC, Plot No. 486, Shanker Tekri, Udyognagar, Jamnagar	Prabhu Bhai Rathore
5	Anand Brass Industries / Anand Cast, Jamnagar	GIDC, Spl. Shed No. 53/1, Shanker Tekri, Udyognagar, Jamnagar	Keshu Bhai
6	Akshay Enterprises, Jamnagar	Plot No. 486-F, Shanker Tekri, Udyognagar, Jamnagar	Shailesh P. Patel
7	Rado Brass Extrusion, Jamnagar	GIDC, Special Plot No. 47, Shanker Tekri, Udyognagar, Jamnagar	Kanathi Bhai Sorathiya
8	Amrut Electroplaters, Jamnagar	49, Digvijay Plot No. 6/1, Haribhai's Wadi near Khijda Mandir Wadi, Jamnagar	Vallabh Bhai Patel
9	Ahir Industries, Jamnagar	Special Plot No. 57/B-1, GIDC, Shanker Tekri, Udyognagar, Jamnagar	Mohan Bhai
10	Decora Metal Cast, Jamnagar	Plot No. B 488, GIDC, Shanker Tekri, Udyognagar, Jamnagar	Jagdish Bhai
11	Satyanam Moulding Works / Satnam Engineering Industries, Jamnagar	K-1/275, GIDC, Shanker Tekri, Udyognagar, Jamnagar	L.M. Keshwala
12	Soham Cast, Jamnagar	Plot No. 6, Vinayak Cold Storage Compound, Arya Dev Complex, GIDC, Shanker Tekri, Udyog Nagar, Jamnagar	Ashok Keshwala
13	Uma Cast, Jamnagar	F-49, GIDC, Shankaer Tekri, Udyognagar, Jamnagar	Mansuku Bhai Faidhu
14	V M Products, Jamnagar	Plot No. 1, Vinayak Cold Storage Compound, Arya Dev Complex, GIDC, Shankar Tekri, Udyog Nagar, Jamnagar	Mukesh Kasundra
15	Nikhil Cast, Jamnagar	Plot No. 6, Vinayak Cold Storage Compound, Arya Dev Complex, GIDC, Shanker Tekri, Udyog Nagar, Jamnagar	Rohit Patel
16	Panvel Metals, Jamnagar	Shed No. 486-E, SBS Bank Road, Shanker Tekri, Jamnagar	
17	Prithvi Cast, Jamnagar	Plot No. 486, GIDC, Shankar Tekri, Udyog Nagar, Jamnagar	Prabhu Bhai Patel
18	Rameshwar Brass Casting Cast, Jamnagar	Plot No. 486, GIDC, Shankar Tekri, Udyog Nagar, Jamnagar	Kanathi Bhai
19	Madhav Cast, Jamnagar	Plot No. 486/C, GIDC, Shankar Tekri, Udyognagar, Jamnagar	Savjibhai
20	Mamta Metal Cast, Jamnagar	Plot No. 486, GIDC, Shankar Tekri, Udyog Nagar, Jamnagar	Jai Sukh Bhai Patel
21	Om Brass Manufacturers, Jamnagar	GIDC, Spl. Shed No. 53/1, Shanker Tekri, Udyognagar, Jamnagar	Hitesh Bhai
22	Naman Cast, Jamnagar	Spl. Shed No. 53/1, Shanker Tekri, Jamnagar	Pankaj Patel
23	Achanji Precision Components, Jamnagar	7, Krushna Colony, 58, Digvijay Plot, Udyognagar, Jamnagar	Kishore Gorecha
24	Atul Metal Industries, Jamnagar	Plot No. 659, GIDC, Shankar Tekri, Udyognagar, Jamnagar	Atul Bhai
25	Bullet Brass Products, Jamnagar	A-13, Shankar Tekri, Udyognagar, Near Post Office, Jamnagar	Nitin M Savia

<b>Jamnagar (Brass) Cluster</b>			
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26	Kamal Brass Parts Industries, Jamnagar	GIDC, Shankar Tekri, Udyognagar, Jamnagar	Kamal Bhai
27	Mayur Brass Parts, Jamnagar	57, Digvijay Plot, Krishna Colony, Jamnagar	Satish Patel
28	Nyals Brass Products, Jamnagar	58, Digvijay Plot, Krishna Colony, Jamnagar	Bharat Dodhiya
29	Kodhiyar Products, Jamnagar	485/C, GIDC, Shankar Tekri, Jamnagar	Jitendra Bhai
30	Pankaj Brass Industries, Jamnagar	GIDC, Spl. Shed No. 53/1, Shanker Tekri, Udyognagar, Jamnagar	Pankaj Patel
31	Patel Brass Parts Industries, Jamnagar	C-2/305, GIDC Estate, PO Box No. 724, Jamnagar	Mansukh Bhai Faldu
32	Accurate Brass Industries, Jamnagar	Plot No. 3733, Phase-III, GIDC, Dared, Jamnagar	Kishor P. Mehta
33	Meet Industries, Jamnagar	Plot No. 2, Sub Plot No. 2A+2C/2, GIDC, Udyognagar, Jamnagar	Mahendra G. Vasoya
34	Shree Bhavani Extrusion, Jamnagar	Plot No. 1, Survey No. 82, Rajkot-Khambhalia Highway, Opp. Swami Narayan Nagar, Nr. Phase-III, Jamnagar	Kamlesh Jobanputra
35	Madhav Extrusion, Jamnagar	Phase-III, GIDC, Dared Highway, Jamnagar	
36	Indu Metals, Jamnagar	Plot No. 3657/58, Phase-III, GIDC, Dared Highway, Jamnagar	Arpit Bhai
37	Gayatri Brass Foundry, Jamnagar	Plot No. 6, Vinayak Cold Storage Compound, Arya Dev Complex, GIDC, Shanker Tekri, Udyog Nagar, Jamnagar	Valmaji Bhai Aahir
38	Gaurav Cast, Jamnagar	Plot No. K-1/247, GIDC, Shankar Tekri, Udyognagar, Jamnagar	Sunder Singh R. Kushwaha
39	Dilip Enterprises, Jamnagar	Plot No. 86/6, GIDC, Shankar Tekri, Udyognagar	Dilip Bhai
40	Sita Ram Metal Cast, Jamnagar	Plot No. 486-F, Shanker Tekri, Udyognagar, Jamnagar	Shailesh Bhai
41	Mayank Metal Cast, Jamnagar	Plot No. 486/B, GIDC, Shankar Tekri, Udyognagar, Jamnagar	Govind Bhai Phamelia
42	Kailash Brass Industries, Jamnagar	7, Krushna Colony, 58, Digvijay Plot, Udyognagar, Jamnagar	M.R. Parmar
43	Ashok Extrusion, Jamnagar	Phase-III, GIDC, Dared Highway, Jamnagar	Ashok Bhai
44	Dev Impex, Jamnagar	Plot No. 56, GIDC, Shanker Tekri, Udyognagar, Jamnagar	Nohan Bhai
45	Santosh Electroplaters, Jamnagar		
46	Madhuram Electroplaters, Jamnagar	GIDC, Spl. Shed No. 385/5, Shankar Tekri, Udyognagar, Jamnagar	Vimal M. Patel
47	Jay Jalaram Metal Cast, Jamnagar	360, GIDC, Shankar Tekri, Udyognagar, Jamnagar	Harshad Bhai
48	Deep Cast, Jamnagar	Plot No. 86/6, GIDC, Shankar Tekri, Udyognagar	K.P. Chandariya
49	Meera Cast, Jamnagar	Plot No. 486, GIDC, Shankar Tekri, Udyog Nagar, Jamnagar	Ramani Ashwin
50	Haria Extrusion, Jamnagar	Plot No. 46, GIDC, Shankar Tekri, Jamnagar	Hasumukhbhai
51	Shrey Metal Cast, Jamnagar	Udyognagar, Shankar Tekri, Nagbhai Estate-2A	Kamlesh Bhai
52	Top Manufacturing, Jamnagar	Plot No. C-2/30, GIDC, Shankar Tekri, Udyognagar, Jamnagar	Kanthibhai
53	Tulasi Cast, Jamnagar	Tulasi Back Side Navrang Marbel, GIDC, Udyognagar, Jamnagar	Chandu Bhai
54	Radhe Cast, Jamnagar	GIDC, Shankar Tekri, Udyognagar, Jamnagar	Viral Bhai
55	Raj Casting, Jamnagar	MP Shah, Udyognagar, Jamnagar	
56	Saraswathi Casting, Jamnagar	GIDC, Udyognagar, Jamnagar	Ramjibhai Patel
57	Shivam Casting, Jamnagar	MP Shah, Udyognagar, Jamnagar	Deerajbhai
58	Ingraj Cast, Jamnagar	Back side Navrang Marbel, GIDC, Udyognagar, Jamnagar	Hasinbhai
59	Karma Metals, Jamnagar	MP Metal Cast, Plot No. 85/5, GIDC, Shankar Tekri, Udyognagar	Praful Bhai

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60	MP Metal Cast, Jamnagar	MP Metal Cast, Plot No. 85/5, GIDC, Shankar Tekri, Udyognagar	Sanjay Bhai
61	Super Intex, Jamnagar	Plot No. 1512, Phase-III, GIDC, Dared Highway, Jamnagar	Suresh Bhai
62	Ample Cast, Jamnagar	Ample Cast, Row type 87/1, GIDC, Shankar Tekri, Udyognagar	Jayamanjedeji
63	Deepak Cast, Jamnagar	GIDC, Shankar Tekri, Udyognagar, Jamnagar	Deepak Bhai
64	Harsiddhi Metal Cast, Jamnagar	Navrang-2A, Udyognagar, Shankar Tekri, Jamnagar	Harsid Bhai
65	Shree Extrusion, Jamnagar	Plot No. 3204, Phase-III, GIDC, Dared Highway, Jamnagar	
66	Mayank Industries, Jamnagar		
67	Mahalaxmi Extrusion, Jamnagar	431, Shankar Tekri, Udyognagar, Jamnagar	
68	Saraswathi Casting, Jamnagar	GIDC, Udyognagar, Jamnagar	Ramjibhai Patel
69	Pranami Metals, Jamnagar	Plot No. 2605, Phase-III, GIDC, Dared Highway, Jamnagar	Raju Bhai
70	Umang Extrusion, Jamnagar	Plot No. 112, Phase-III, GIDC, Dared Highway, Jamnagar	Paresh Bhai