



सत्यमेव जयते

Government of India
Ministry of MSME

ANNUAL REPORT

for the 1st year (2008-09)

CAST IRON FOUNDRY CLUSTER, JAIPUR, RAJASTHAN

under

Micro & Small Enterprises Cluster Development Programme (MSE-CDP)



सूक्ष्म, लघु एवं मध्यम उद्यम

MICRO, SMALL & MEDIUM ENTERPRISES

Carried out by

MSME-Development Institute

(Ministry of MSME, Govt. of India,)

22 Godam, Industrial Estate, Jaipur-302006

Phone: 0141-2212098, 2213099 Fax: 0141-2210553

e-mail: dcdi-jaipur@dcmsme.gov.in

Web- www.msmedijaipur.gov.in

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1.0 INTRODUCTION

1.1_ The cast Iron castings are the essential raw material for the Engineering industry. Today, the Cast Iron Castings are used in almost all the industries like Automobile, Locomotives, Textile machinery, Machine tools, Agriculture implements, Pipe fittings, Joints etc.

The beginning of C.I. castings was made in India in later part of nineteenth century. However, the first Casting units was started in the year, 1945 in the state of Rajasthan.

Over the year, the C.I. Casting units have grown at Jaipur & become a sizable Cluster. The Cluster units are mainly concentrated at Vishwakarma Industrial Area (VKIA), Jhotwara & Jetpura Industrial Area in Jaipur.

1.2_ The castings is a process of forming metallic products by Melting metal, pouring it into a cavity known as the mould & allowing it to solidify. In this way the molten metal takes the shape of the mould & then product is cleaned and machined to the desired dimensions.

1.3_ The main operations involved in producing the C.I. Castings are:-

- Designing system
- Pattern Making
- Mould & core pouring
- Fettling & Clearing
- Heat treatment, if required,
- Testing & Inspection

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2.0 CLUSTER SCENARIO & BACK GROUND

2.1_ Location:

Cast Iron Foundry Cluster, Jaipur is mainly concentrated at Vishwakarma Industrial Area & Jhotwara Industrial area of the city. The total no. of Cluster units are 131 which are mainly located at VKI & Jhotwara Industrial Area.

- **No. of units** : 131
- **Employment** : 3500 Direct
6500 Indirect
- **Turnover** : Rs. 300 Crore
- **Investment** : Rs. 500 Crore
- **Export** : Rs. 50 Crore
- **Export oriented-**
-Auto components units: 09
- **Product range** : CID Joints, Sanitary & Pipe Fittings, Special Water pumps, Automobile Components, Flour mills, ceiling fans body, Builder's hardware, Decorative Castings, Engine & Machine parts, Grinding Media.

2.2_ Background: OBJECTIVES

Due to Conventional technology have rapid changes Energy conservation, Quality etc. 40-45 years old Foundry units of Jaipur, needs to quickly respond to the changes to upgrade & adopt eco-friendly technologies and information system, considering all concern issues/ needs.

The Cast Iron Foundry Cluster, Jaipur has been identified and selected as a potential Cluster by the Development- Commissioner (MSME), Ministry of MSME, Govt. of India, New Delhi. As per approved action for the 1st year i.e. 2008-09, specific activities were organized under the soft intervention.

- Team building amongst Cluster units themselves and with BDS providers/ stake holders.
- To adopt technological changes/ developments.
- To improve Cost competitiveness adopting various means collectively.
- To improve and maintenance of consistent quality.
- To promote exports.
- To make exposure visits for bench marking practices.
- To create awareness on Govt. policies & day to day changes in business environment.

3.0 VISION & OBJECTIVES

3.1_ Vision:

The vision of Cast Iron Foundry Cluster, Jaipur is strive to grow 20% annually with 30% growth in exports over the period of years to become global hub for Casting suppliers & enhance the Capacity Building, Productivity and to improve the Castings Quality & Cost competitiveness both at local as well as Global Market with in a period of years.

3.2_ Objectives:

- Team building amongst Cluster units themselves and with BDS providers/ stake holders.
- To adopt technological changes/ developments.
- To improve Cost competitiveness adopting various means collectively.
- To improve and maintenance of consistent quality.
- To promote exports.
- To make exposure visits for bench marking practices.
- To create awareness on Govt. policies & day to day changes in business enviournment.

**4.0 CLUSTER DEVELOPMENT CO-ORDINATION COMMITTEE
(CDCC)**

S. No.	Name & Address	Designation	Phone/Fax/ e-mail
1	Shri G. M. Ambhore, Director, MSME-Development Institute, Baiss Godam, Jaipur-06	Chairman	0141-2212098 0141-2213099 0141-2210553(Fax) e-mail: dcdi_jaipur@dcmsme.gov.in
2	The General Manager, SIDBI, Umrao Complex, S.C. Road, Jaipur-01	Member	0141-2363860 0141-2364614 0141-2364792 0141-2363890 (fax)
3	Joint Director (Cluster) O/o Commissioner of Industries. Govt. of Raj. Udyog Bhawan, Jaipur-05	Member	0141-2227727-34 0141-2227516(fax)
4	The Senior Branch Manager, National Small Industries Corporation (NSIC Ltd.) Nehru Place, Tonk Road, Jaipur-15	Member	0141-2742372 0141-2742991
5	The Director Indian Institute of Quality Management , Malviya Industrial Area, Jaipur	Member	0141-2751506 0141-2751884 0141-2751464(fax)
6	The Sr. Director Bureau of Indian Standard(BIS), E-52, Chitrangan Marg, C-Scheme, Jaipur	Member	0141-2223282-83 0141-2372940(fax)
7	The Secretary, Rajasthan State Small Industries Corp. Ltd. Udyog Bhawan, Jaipur-05	Member	0141-5115760-64
8	The General Manager DIC, Jaipur(Urban) Udyog Bhawan, Jaipur-05	Member	0141-2227943
9	Representative, Bank of Baroda, Nehru Palace, Tonk Road, Jaipur-15	Member	0141-2211853 (Director) 0141-2211853 (fax) e-mail: ---

10	Representative State Bank of Bikaner & Jaipur Tilak Marg, C-Scheme, Jaipur	Member	0141-5101594
11	Representative RIICO Ltd. Udyog Bhawan, Tilak Marg, Jaipur-05	Member	0141-222775 0141-5113238 0141-5104204(fax) email: riico@riico.com
12	Sh. Mahendra Mishra, Director, JCRDC (SPV) & Foundry owners Association, Rajasthan, Jaipur C/o- Karan Industries, F-702 B, Road No-9/F2, VKI Area, Jaipur	Member	0141-2460920 0141-2460139(fax) e-mail: mahi_ispat@yahoo.com
13	Shri M. L. Gupta, Director, JCRDC (SPV) & Foundry owners Association, Rajasthan, Jaipur C/O. Shree M. L. Castings Pvt. Ltd. 76-A, Jhotwara Ind. Area, Jaipur-12	Member	0141-2341085 0141-2340732 e-mail: shreemlcastings@hotmail.com
14	Shri Rakesh Marwah, Director, JCRDC (SPV) & Foundry owners Association, Rajasthan, Jaipur C/o- Auto Malleable E-353, R.No.14, VKI Area, Jaipur	Member	0141-2460926 0141-2460926 (fax) e-mail: rakeshmarwah@hotmail.com
15	Shri Alok Gupta, Director, JCRDC (SPV) & Foundry owners Association, Rajasthan, Jaipur C/o- AGRO fab 106, Jhotwara Ind. Area, Jaipur	Member	0141-2340691 0141-2343298 (fax) e-mail: pratapak_jpl@sancharnet.in
16	Shri G.S. Jhalani, JCRDC (SPV) & General Secretary, Foundry owners Association, Rajasthan, Jaipur C/o- Jhalani Ispat Pvt. Ltd. F-785, Road No-13, VKI Area, Jaipur	Member	0141-27505180 0141-2333138
17	Shri V.D. Meena, Cluster Development Executive, Cast Iron Foundry Cluster, Jaipur MSME-Development Institute, 22 Godam Ind. Estate, Jaipur-06	Member Secretary	0141-2212098 0141-2213099 0141-22110553 (Director) 0141-2210553 (fax) e-mail: dcld_jaipur@dcmsme.gov.in

5.0 Implementation of Action Plan for the 1st year (2008-09)

The meeting/discussion was convened under the Chairpersonship of Shri G. M. Ambhore, Director, MSME-DI, Jaipur at times and reviewed for implementation of the action plan activities to be carried out during 2008-09. He welcomed all the delegates highlighted the importance of Micro and Small Enterprises Cluster Development Programme (MSE-CDP) and Soft as well as hard interventions.

Shri V. D. Meena, Cluster Development Executive informed about the sanction for the action plan of Soft interventions for the year 2008-09 (1st year) received from the O/o DC (MSME), New Delhi. It was also explained in the meeting that, Govt. of India's grant will be upto 90% of the expenditure and balance 10% expenditure will be borne by Association/ Stake holders. Then the discussion was started for the implementing/ organizing the activities under the soft intervention for the year 2008-09.

- (1) **Programme on Cluster Awareness:** - The Member of association desired to have wide interactions on Cluster Approach & scheme of MSE-CDP including hard & soft interventions etc. Hence it is decided to organize the programme tentatively during the month of 3rd January 2009.
- (2) **Preparation of Cluster Broucher:** - The matter for preparation of the Cluster Broucher was discussed & reviewed by the committee. It was decided to form a team along with CDE to finalize the matter and further release of the same.

- (3) **Programme on Consortia Approach & SPV formation:** - The member of Foundry owner's association, Rajasthan, Jaipur desired to have interaction on "Consortia Approach" and formation & registration of SPV (Special Purpose Vehicle) etc. under the MSE-CDP scheme. After detail discussion, it was felt that a programme on "Consortia Approach" & SPV formation to be organize during the month of December-2008, subject to the confirmation received from Mr. V. Padmanand, Cluster Development, Chennai.
- (4) **Hosting of Website for the Cluster:** During the discussion a decision was taken to hosting of website for Cast Iron Foundry Cluster before end of the current financial year i.e. 2008-09.
- (5) **Exposure Visit:** - After detail discussion on the subject, it was decided that a group of Cluster units and MSME-Development Institute can visit jointly success cluster in India for benchmarking in the month of Feb-09. It was also decided to jointly visit Coimbatore, (Tamil Nadu).
- (6) **Hiring of Networking Development Agent services:** - As the Government approval for the interventions has been received, it was felt that there is a need of suitable persons, who can assist in coordination of organizing various activities/ programme for Cluster Development under MSE-CDP. The association/ Special Purpose Vehicle (SPV) will appoint them and inform accordingly.
- (7) **Proposal of Hard Interventions:** The Directors of Special Purpose Vehicle was requested to discuss amongst the Cluster members on the subject and prepare a proposal for Common

Facility Centre (CFC) as per guideline issued under MSE-CDP scheme.

- (8) **Cluster Tech Mart-2009:-** An Exhibition comprising 100-120 stalls for Micro Small & Medium Enterprises to show their capabilities by displaying their products on one hand and large PSUs like Railways, telecom industries HMT, JVVNL, BSNL, and Central & State Govt. Departments such as PHED in association with Commissioner of Industries, SIDBI, NSIC, KVIC, RIICO and VKIA & other Associations and Large Private Corporate Bodies to select their vendors by displaying their requirement on the other hand. It also create awareness about various Govt. schemes & incentives.

Also a Concurrent Technical Seminar, to focus on Vendor registration procedure Energy saving potential in various clusters, global bench marking, manufacturing competitiveness, front line technology, outsourcing practices, recent trends and tomorrow's challenges for the benefit of participants.

- (9) **Seminar of Modern Foundry Practices & Recent trends in Foundry Industry:** - The members felt the need for updation on latest changes and trends in Foundry industry while discussed. Hence it has been decided to organize the programme tentatively on 29.03.09 at Hotel Om Tower, M.I. Road, Jaipur subject to the confirmation received for Shri P. R. Joshi, Asst. Director, PPDC, Agra. The topics will be delivered by Shri Saurabh Bhardwaj, Sr.

Engineer, Electotherm India Ltd., Jaipur, Dr. D. Kumar, Ex. Head, Metallurgical Engineering, MNIT, Jaipur, Shri Ravi Pangadiya, Rtd. Professor, MNIT, Jaipur, Shri Suman Kumar, State Coordinator, PCRA and Shri Avindra Laddha, Joint Director (Cluster), Udyog Bhawan, Jaipur.

Shri Mahendra Mishra, Director, JCRDC (SPV), C/o Karan Industries, Jaipur will finalize the same with Shri V. D. Meena, CDE, MSME-DI, Jaipur.

- (10) Other points:-** Director, MSME-DI, Jaipur informed the members of Foundry Owners Association (FOA) to get the benefit of CLCSS, NMCP, ISO-9000 reimbursement schemes of Government.

The chairman appealed to all the members to extend their maximum cooperation and support to make the total Cluster Development Programme a grand success.

The meeting was over with the vote of thanks to all the members.

-sd-

(G.M. Ambhore),

Chairman of CDCC &
Director, MSME-DI, Jaipur

6.0 Awareness Programme on Cluster Development under MSE-CDP at Jaipur on 03.01.09

The Awareness programme on Cluster Development for promotion of MSMEs has been organized for benefit of Cluster units situated in VKI Area and other Industrial Areas of the city, BDS providers stake holders of this Cluster on 03.01.09 at Vishwakarma Industrial Association Hall, Jaipur. The objective of this programme is to create awareness on Cluster Development Programme and to develop trust building amongst the Cluster members, BDS providers and Stake holders pertaining to the Cluster of Cast Iron Foundry Cluster.

Shri H.S. Meena, IAS, Joint Development Commissioner, O/o DC (MSME), New Delhi was the chief guest of programme.

The programme was started with inaugural address of Shri H.S. Meena, IAS, JDC, O/o DC (MSME), New Delhi, Shri H.S. Meena, IAS, JDC stressed the following topics in inaugural address:-

- Detail of MSE-CDP scheme,
- Result oriented Soft & Hard intervention proposals for Cluster Development
- Formation of Special Purpose Vehicle (SPV)
- Need base proposals for Soft & Hard interventions under MSE-CDP scheme.

Shri G.M. Ambhore, Director, MSME-Development Institute, Jaipur briefed the progress of Cluster Development Programme & Cluster

Profile, Govt. Schemes like as MSE-CDP, CLCSS, MDA, NMCP, National awards, ISO-9000 etc.

Shri Ghanshyam Kanoongo, General Secretary, Vishwakarma Industrial Association, Jaipur gave the welcome address along with briefed industrial scenario of Jaipur.

Shri M. L. Gupta, Member Foundry owners association, Rajasthan, Jaipur (presently Shri Gupta working as Director, JCRDC (SPV) in the Cast Iron Foundry Cluster, along with remaining 3 Directors of SPV) also briefed action plan of soft intervention to be organized under MSE-CDP scheme for the 1st year of the programme.

Shri Gupta also briefed about planning & efforts made for setting up CFC & he requested JDC to help in providing land from State Government.

During the afternoon plantation were done in the premises of VKI Association hall by the Chief Guest Shri H.S. Meena, JDC, O/o DC (MSME), New Delhi, Shri G.M. Ambhore, Director, MSME-Development Institute and other dignitaries. More than 75 participants belonging to the Cluster units, BDS providers, Financial Institutions, stake holders and official relating to the Cluster participated in this event.

Inaugural function was concluded with the vote of thanks by Shri Mahendra Mishra, Director, JCRDC & Member, Foundry owners Association, c/o Karan Industries, VKI Area, Jaipur. Shri P.R. Joshi, Asst. Director, PPDC, Agra was invited to deliver the key note address on the subject.

The session of workshop was convened with the talk/ address of Dr. D. Kumar, Ex. Head, Metallurgical Engineering, MNIT, Jaipur on "Recent trends in Foundry Industry". This session was delivered by Shri Suman Kumar, State Coordinator, PCRA on "Improving Energy Efficiency in Cast Iron Foundry."

Shri Saurabh Bhardwaj, Senior Engineer, Electotherm delivered the session & he stressed on the "Modern Technologies for developing Cost effective, reliable and efficient product line."

Shri Ravi Pangadia, Retd. Professor, MNIT, Jaipur was delivered on "Recent trends & Commercial Aspects in Foundry Industry" in this session.

More than 90 participants of Cast Iron Foundry Cluster members attended the programme. The programme/ workshop was concluded with vote of thanks by Shri Mahendra Mishra, Director, (SPV), C/o M/s. Karan Industries.

Chief Guest Shri H.S. Maena, IAS, IDC, DC(MSME), New Delhi, Shri G.M. Ambhore, Director MSME-DI, Jaipur, Shri D. Kumar Ex. head, (Met. Engg.) MNIT, Jaipur, Shri Mahendra Mishra, Shri M. L. Gupta, Director SPV, and other dignitaries during inaugural session

8.0 Preparation of Common Cluster Brochure

A Cluster brochure has been prepared containing the brief information about the Cluster. The main contents of the brochure are: Scope, Vision, Objectives, Cluster profile, SWOT analysis, Issues of concern, prominent institutions/ organizations & BDS providers, suggested interventions for the Cluster Development. (Brochure enclosed)

9.0 Cluster Website:

A website has been designed for the Cluster including segregated information about the Cluster, including Home page, History of Cluster, Bench Marking Cluster, Recent news, Programmes etc.

10.0 Hiring of Networking Development Agent services:

A special Purpose Vehicle (SPV) of Foundry owner's association, Rajasthan, Jaipur is the only important vehicle in the name of Jaipur Casting Research & Development Cluster Pvt. Ltd. (JCRDC) has been directly and actively involved for facilitating various activities and interventions. Regular meetings/progress has been reviewed. The Directors of SPV has employed Networking Development Agent and spends for different occasions exclusively for the Cluster Development. Expenses incurred so have been reimbursed to some extent.

11.0 Exposure visit to Coimbatore:

A two days programme of Coimbatore visit finalized by Shree V.D. Meena, CDE in association with SPV of Cast Iron Foundry cluster/units. A group of Cast Iron Foundry units and MSME-Development Institute, Jaipur were jointly visited Coimbatore on 11 & 12 February 2009 under the MSE-CDP scheme. The following units/ Association/CFCs were visited by the Cluster stake holders.

- M/s. PSG & Sons chartarees, Neelambure, Coimbatore & interactions were made with Shri Kuppu Swamy, Vice President, PSG & Sons chartarees on “Process & Product Development of above automatic Foundry units”.
- M/s. Krishna Pattern Engineering Works, Coimbatore manufactures different kind of wooden, Aluminum & Cast Iron pattern.
- Cast Iron Foundry units, Jaipur having major problem of pattern/ re-use of pattern. The group of Foundry units discussed this problem with the Director of the above unit Shri R. Krishnamurthy. Shri Murthy solved their problem at the spot & provided useful information/documents to the group of Cast Iron Foundry units. Group of Foundry units & CDE gave heartily thanks to Shri Murthy.
- Branch MSME-Development Institute, Coimbatore, Shri M. Pallinival, Dy. Director Incharge, welcomed the group of Jaipur Casting units. After this, Shri Vijay kumar, Asst. Director (met), MSME-DI, Coimbatore, briefed the activities & programmes conducted for the development of the Coimbatore's SMEs before the group of Jaipur Cluster. Shri Rama Krishan Asst. Director

(Mech.) & CDE for Wet Grinder Cluster, Coimbatore briefed about the profile of Wet Grinder Cluster, Coimbatore & work done under the MSE-CDP for the Wet Grinder Cluster, Coimbatore. Shri V.D. Meena, CDE, Cast Iron Foundry Cluster, Jaipur gave hearty thanks to Br. MSME-Development Institute, Coimbatore for co-operation in Coimbatore visit done by Cast Iron Foundry units & MSME-Development Institute, Jaipur.

- Visited “COINDIA” (Coimbatore Industrial Infrastructure Association, Coimbatore) & interacted with Shri Raghunathan P.S. Chief Financial Officer, COINDIA on “Facilities, CFC, offices etc. developed for Foundry and other units at Coimbatore. Moreover Shri P.S. briefed further infrastructure and facilities are to be developed for Foundry & other industries at Coimbatore.
- Visited Modern tool Room & SITARC (Small Industries Testing & Research Centre) at Coimbatore of COINDIA.
- Visited M/s. Savrana Foundry, 733/4A, Civil Areodrum (P.O.) Coimbatore.
- Observations on Coimbatore visit were made by group of Cast Iron Foundry units and detail report on visit has sent to DC(MSME), New Delhi vide letter no- MSME-DI(J)/Mech./C-F/08-09/9731 dated 31.03.09

Explaining the facilities available in SITARC, Coimbatore to the group of Cast Iron Foundry members, Jaipur

12.0 Report on Cluster Techmart-2009 and Participation of Cast Iron Foundry Cluster, Jaipur

A Programme on National Vendor Development Programme cum Exhibition & Cluster Techmart-2009 was organized at B.M. Birla Auditorium, Jaipur on 3-4 March 2009, in association with Commissioner of Industries, SIDBI, NSIC, KVIC, RIICO and VKIA & other Associations.

An Exhibition comprising 100-120 stalls for Micro Small & Medium enterprises to show their capabilities by displaying their products on one hand and large PSUs like North- Western Railway, telecom industries JVVNL, BSNL, and Central & State Govt. Departments such as PHED, NSIC etc. gave Technical information on requirement and Procurement policy of their organization and Large Private Corporate Bodies to select their vendors by displaying their requirement on the other hand. **Ms. Rukmini Haldiya, IAS, Add. Principal Secretary, Small Industries, Govt. of Rajasthan** inaugurated the function.

A Concurrent Technical Seminar was also organized, to focus on Vendor registration procedure Energy saving potential in various clusters, global bench marking, manufacturing competitiveness, front line technology, outsourcing practices, recent trends and tomorrow's challenges for the benefit of participants. During the technical session talks were delivered on the following topics:-

- Rate contract policy- by DGS&D, Jaipur
- Trade possibilities in Reliance Industry- by Reliance
- SME Banking – by HSBC, Jaipur

- Role of Insulation in Energy conservation- Loyid insulation
- Energy saving possibilities in Induction Furnace- Electotherm, Jaipur
- Services provided by CIPET- CIPET, Jaipur

Final session was oriented on Interaction meet of Cluster Stake Holders. In this session Cluster members discussed about problems and their solutions in developing of Cluster Development Programme. The valedictory function was organized in the evening 4th march 09. Shri Damodar Sharma, CEO, Jaipur Nagar Nigam distributed certificate to the participated units.

Participation of Cast Iron Foundry Cluster units/Association

The Foundry Owner's Association, Rajasthan Jaipur/ Stake holder participated and booked a stall for wide publicity to their activities.



Annual Progress of Soft intervention for 1st year (2008-09)

No	Name & Details of the Activity	Nature of the Activity	Target Group	Objective & outcome of the activity	Partners/ Collaborators	DC(MSME)	Source of Funds (Rs. in lakhs)	Total fund needed
1	Trust Building							
1.1	Awareness Programme on MSE-CDP scheme	TB	Core Cluster members/ stake holders/ BDS providers	<p>1. To create awareness about Cluster Methodology.</p> <p>2. Active participation of Cluster actors & possible interventions for Cluster Development</p> <p>Out come- More than 75 cluster members attended the programme on 3.01.09.</p>	Cast Iron Foundry Cluster units/ MSME-DI/ BDS	0.15	-	0.15
1.2	Exposure visit to Foundry Cluster/ Coimbatore visit	TB	All Foundry units/ members	<p>1. To facilitate group behavior & try to achieve Benchmarking practice.</p> <p>Out Come: 6 members of Cluster units & MSME-DI visited Coimbatore on 11 & 12 Feb. 2009.</p>	Cast Iron Foundry Cluster units/ MSME-DI/ JCRDC(SPV)	0.40	0.10	0.50
1.3	Preparation of Cluster Brochure	TB	All Cluster members	<p>1. To give wide publicity of the Cluster profile, status and activities for Cluster Development amongst Cluster member, stake holders and BDS providers.</p>	MSME-DI/ JCRDC(SPV) Cluster units	-	-	-

2 Capacity Building						
2.1	Hiring of Networking Development Agent services for MSE-CDP	CB	All Cluster members	1. To support the SPV association who has been actively involved in & facilitating various programs & activities. Out come: strengthening of association	MSME-DI/ JCRDC(SPV) Cluster units	1.20 0.24 1.44
2.2	Awareness programme on Consortia Approach & SPV formation	CB	All Cluster members	1. To develop Consortia Approach & form a Special Purpose Vehicle (SPV) for Cluster Development. Outcome: A SPV is formed as the name of "Jaipur Casting Research Development Cluster Pvt. Ltd."	All Cluster units/ members & SPV members	-
3 Market Development						
3.1	Hosting & maintenance of Cluster website	MD	All Cluster members/ units	1. To create an information & database on the Cast Iron Foundry Cluster 2. To wider exposure for Marketing and to strengthen backward forward linkages.	All Cluster units/ members FOA/MSME-DI	0.25 0.05 0.30
3.2	Cluster Tech Mart- 2009	MD	All Cluster members/ units	1. To create wide publicity, Market assessment & tie up with buyers. Out come: The FOA, Raj., Jaipur/ Stake holder participated and booked a stall for wide publicity to their activities.	All Cluster units/ members FOA/SPV	-

4 Technology Upgradation						
4.1	Programme on Modern Foundry practices & latest trends in Foundry industry	TU	All Cluster members/s take holders/BD S providers	1. To create awareness in Latest advancement in Foundry industry. Outcome: More than 90 Cast Iron Foundry Cluster member/ Stake holders attended the programme on 29.03.09. Shri H. S. Meena, IAS, JDC, DC (MSME) inaugurated the programme. Technical sessions were covered by PPDC, Agra, PCRA, Electotherm & MNIT/ Consultant.	All Cast Iron Foundry Cluster units/ MSME-DI/ BDS/ Stake holders	0.15
4.2	Periodically visits/ reviewed/ regular meetings/ discussions, office expenses like POL, OE, stationery etc.	TU	All Cluster members	1. To create awareness for Cluster Development.	All Cast Iron Foundry Cluster units/ members/ SPV	0.04
Total (Rs. in Lakhs)						2.19
						0.39
						2.58

Detail of fund utilization

(I) Fund sanction by DC(MSME)	-	2.19 Lakh
(II) Fund utilized during the year	-	2.58 Lakh
(III) Fund supported by Association	(38,888/-) say	0.39 Lakh

**Proposed Action plan of Soft interventions for 2nd year (2009-10)
in r/o C.I. Foundry Cluster, Jaipur**

S. No.	Category	Interventions	Interventions by	Target group	Time frame	Total fund required (Rs. In lakhs)	Source of Fund (Rs. in lakhs)	
							DC (MSME)	Stake holders
1	Trust Building	1. Periodical visit to Cluster units	MSME-DI/ BDS/SPV	All Cluster units	Q1-Q4	0.05	0.05	-
2	Capacity Building	1. Hiring of NDA for SPV/association strengthening. 2. Visit to success clusters at Ahmadabad/Rajkot.	SPV/ JCRDC/ Association MSME-DI/ SPV/ Association	All association/ SPV members All Cluster members	Q1-Q4 Q3	1.44 0.50	1.20 0.40	0.24 0.10
3	Market Development	1. Training on Export procedure & documentation. 2. Formation of marketing consortium.	MSME-DI/ Pvt. BDS/ Cluster units MSME-DI/ Pvt. BDS/ SPV/ Cluster units	All Cluster units All Cluster units	Q2 Q2	0.40 0.40	0.35 0.40	0.05 -
4	Technology Upgradation	1. Workshop on Set of Best melting cycle for C.I. castings	MSME-DI/ Pvt. BDS/ SPV/ Cluster units	All Cluster units	Q1	0.65	0.65	-

		2. Training on Computer aided Casting design	MSME-DI/ Pvt. BDS/ SPV Cluster units	All Cluster units	Q2	1.00	0.80	0.20
		3. To conduct Energy Audit/ Energy conservation programme.	RBI/FIS/ SPV/ MSME-DI	All Cluster units	Q4	0.40	0.35	0.05
5	Miscellaneous	1. Regular meeting & follow up	-	-	Q1, Q2, Q3, Q4	0.10	0.10	-
		2. OE & stationary, POL, Hiring Taxi etc.	-	-		0.06	0.06	-
		Total (Rs. in Lakhs)				5.00	4.36	0.64
