

HINDALCO

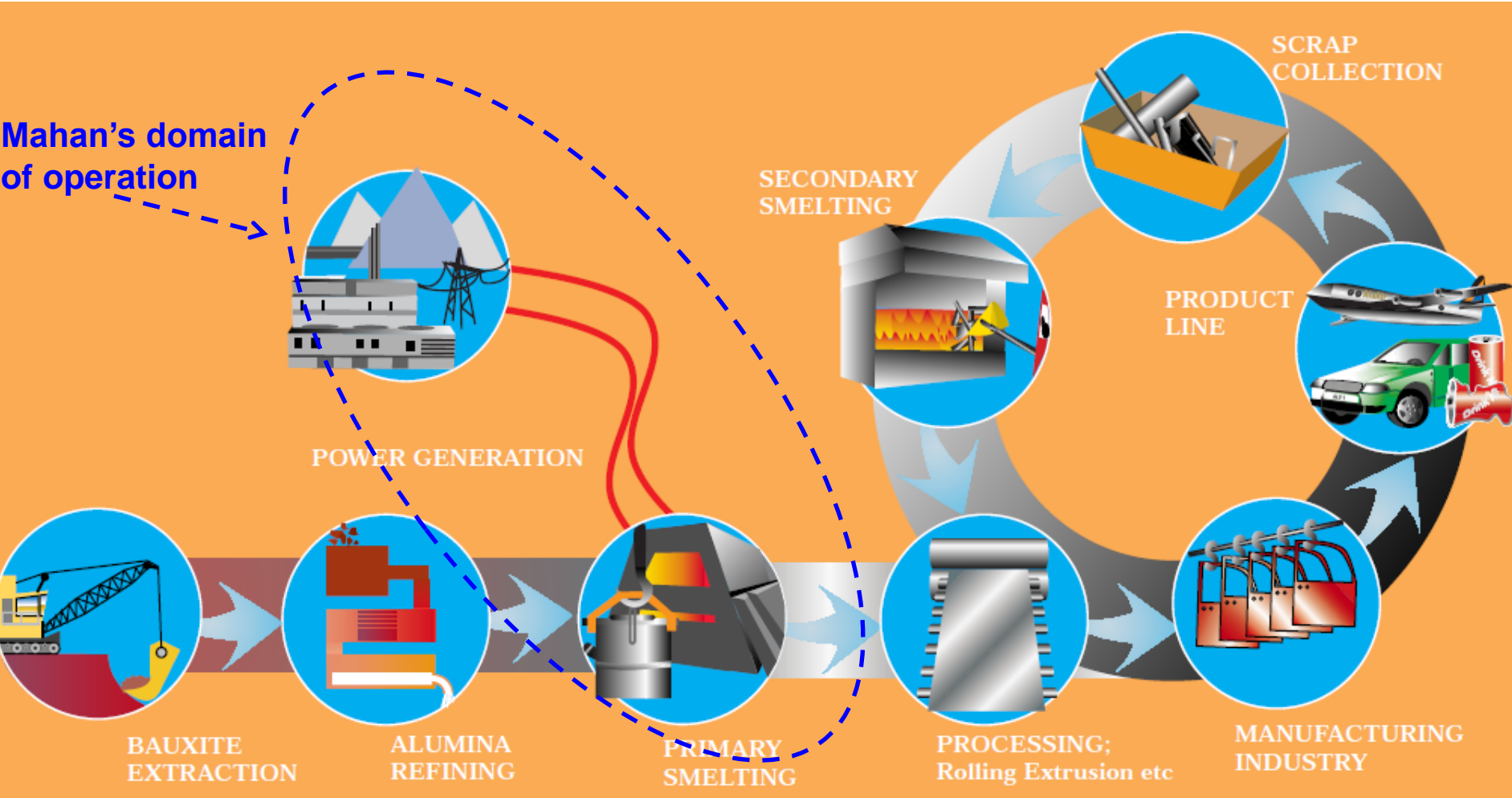
Investor Presentation

Site Visit : Mahan Aluminium)



September 2011

Aluminium Production & Life Cycle

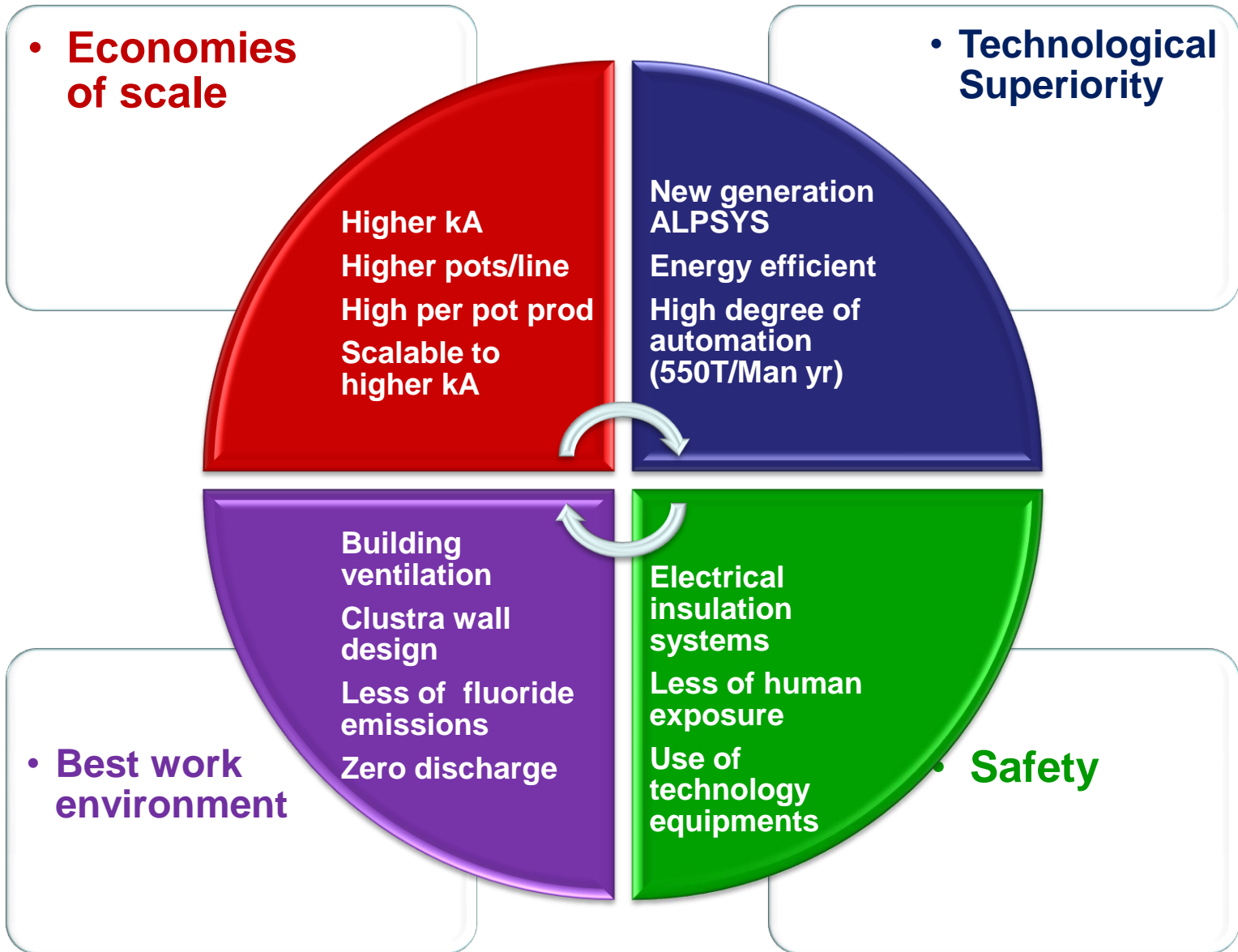


Project Scope

- Smelter : 360 no.s of 360kA pots (AP36S)
3,59,000 tpy
- CPP : 6 x 150 MW Units
- Location : NH-75-E, Bargawn
- Land : 2025 ha (~ 5000 acres)
- Water sourcing : Gopad River (35 kms)
- Coal sourcing : Mahan Coal Limited
50:50 JV between HIL & ESSAR
- Alumina : Utkal / Muri
- 220kv connectivity : Siddhi S.S. of MPSEB (50MVA), 77kms



Advantages : AP36 Technology



Global Partners

RioTinto Alcan

इंजीनियर्स
इंडिया लिमिटेड
(भारत सरकार का उपक्रम)



ENGINEERS
INDIA LIMITED
(A Govt. of India Undertaking)

NIKMNOELL
SPECIAL CRANES

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ALSTOM




DANIELI CORUS
The Netherlands, Canada, USA

Brochot

sermas
INDUSTRIE

FLSMIDTH


AREVA

Schneider
Electric


KEMPE™

BEFESA Aluminio S.L.




HENCON

Key Timelines



- **MoU with GoMP** : **23 May 2006**
- **LOI to EIL (Smelter)** : **13 Jun 2008**
- **MoEF clearance** : **18 Mar 2009**
- **LOI on BHEL (CPP)** : **19 Mar 2009**
- **Earth work start** : **09 Jul 2009**
- **1st Unit & Metal Tgt.** : **Dec 2011**
- **Ramp-up** : **During 2012**

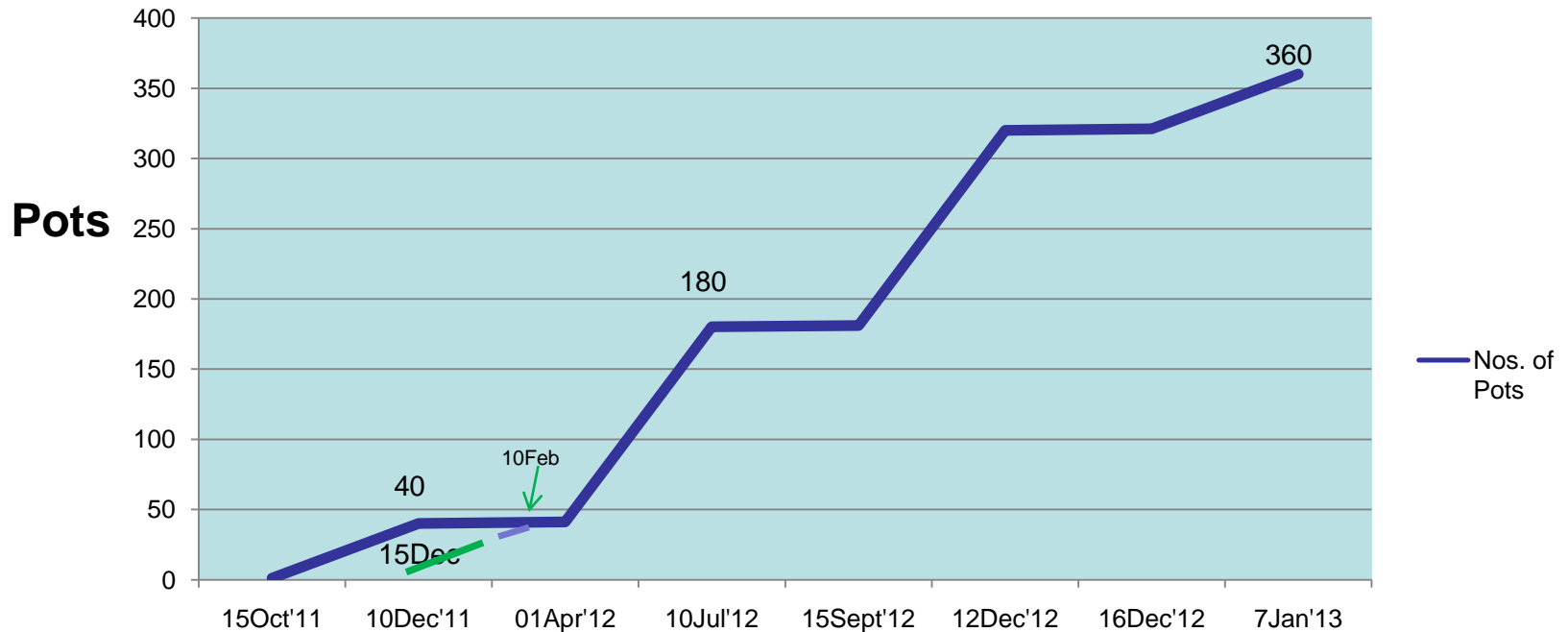
Project Site: July 09



Project Site: Jul 11

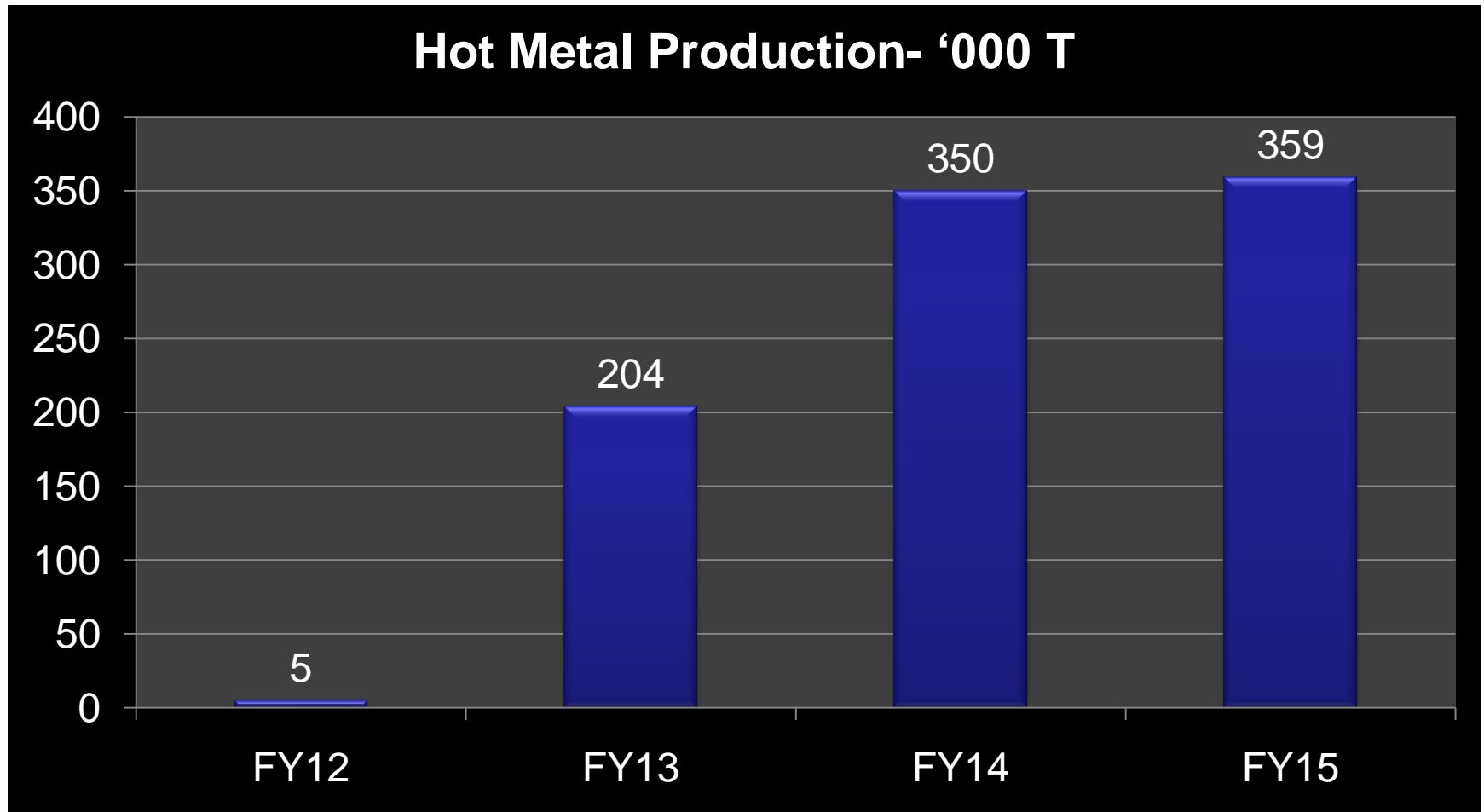


Production Ramp-up Plan



- **Phase-I – 40 pots start-up**
 - *First pot start-up target Dec 2011*
- **Phase-II – 140 pots start-up**
 - *41st pot start-up 1st Apr 2012, 180th pot – 10th Jul 2012*
- **Phase-III – 140 pots start-up**
 - *181st pot start-up 15th Sep 2012, 320th pot – 12th Dec 2012*
- **Phase-IV – Balance 40 pots start-up**
 - *321st pot start-up 16th Dec 2012, completion – 7th Jan 2013*

Production Ramp-up Plan



Raw Material Sourcing Plan

Alumina

- Captive Refineries in Orissa & Jharkhand

Power

- Captive Power Plant

Coal

- Mahan Coal Limited

CP Coke

- Indegenous / Imported Coke Calciners

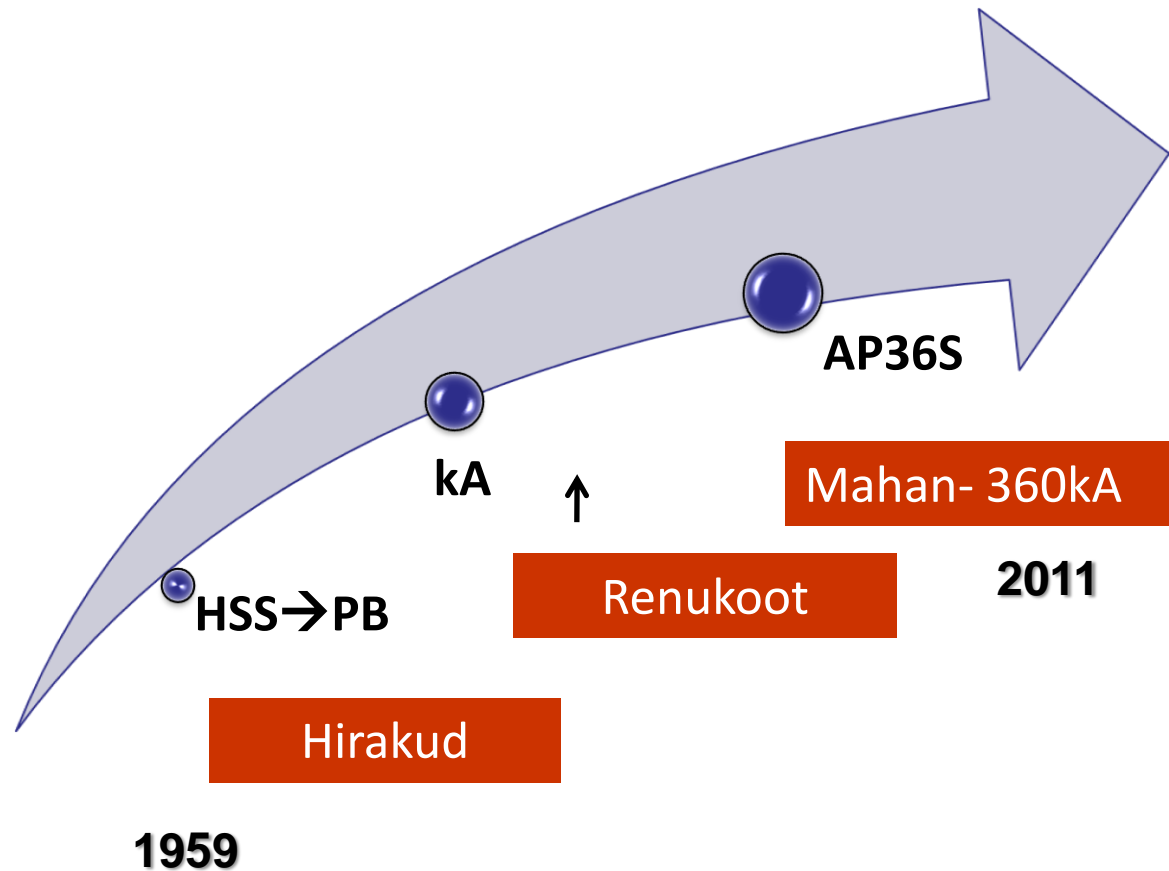
CT Pitch

- Indegenous Tar Distillors (in liquid form)

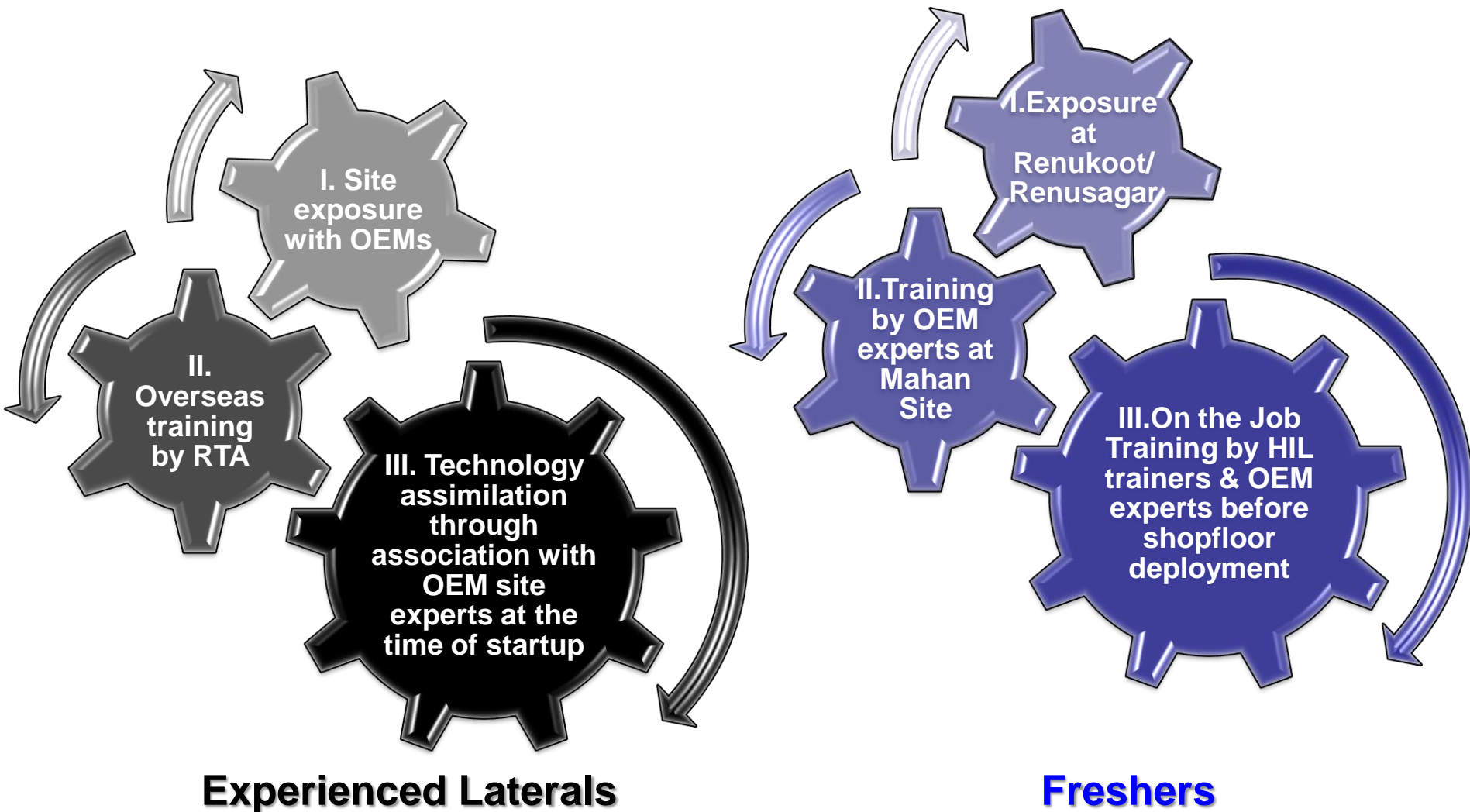
Al. Fluoride

- Indegenous/ Imported Suppliers like TANFAC etc.

Mahan : Journey on Technological Superiority



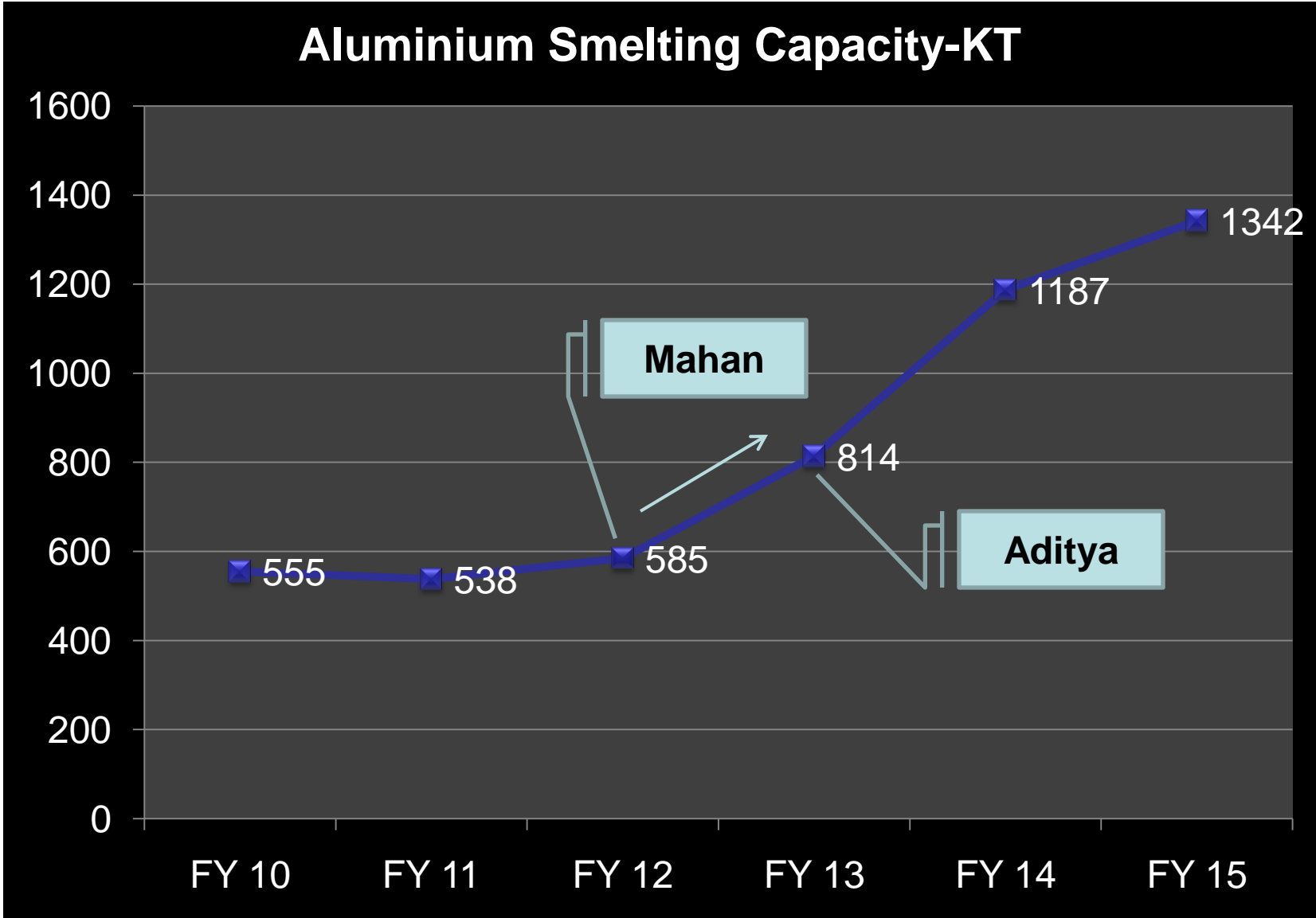
Technology Assimilation Model at Mahan



Mahan's Successful Model



Mahan : Part of HIL's Growth Path



CSR AND R&R INITIATIVES

- Mahan Aluminium Project



Area Background

❖	Village Covered	: 04
❖	Total House Holds	: 1628
❖	Total Population	: 5880
❖	Literacy rate	: 33%
❖	Total land acquired	:1299.44 Hec.

Major Milestone in CSR/ R&R

- Rural Medical Camp ----- Feb. '09
- Film Show ----- April '09
- Puppet Show ----- Feb. – March '09
- Ram Katha (Discourse) ----- Feb. '09
- Complete Sanitation Prog. --- July '09 – Sept. '09
- SHG basic Awareness Prog. --- July '09
- Training on Cooperative Formation Nov. '09
- AIDS Awareness Programme --- Dec. '09
- First SHG Formation ----- Sept. '09
- First Aid Center started --- Oct. '09
- First Cooperative formed ----- Dec. '09

Major Milestone in CSR/ R&R

- ❖ R & R agreement with District Collector - May '09
- ❖ Application move for R & R Land ---- July '09
- ❖ R & R Land acquired ---- Oct. '09
- ❖ Transect House constructed ---- Dec. '09
- ❖ PDFs shifting process started ---- Dec. '09
- ❖ R & R Colony construction started ---- Oct. '09
- ❖ R & R Colony inauguration and Puja ---- Feb. '10
- ❖ First Family shifted in R & R Colony ---- Mar '10
- ❖ Anganwadi started at R&R Colony ---- Apr' 10
- ❖ Jan Sunwai for Grievance Handling ---- Sep' 10

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- | | | |
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Major Milestone in CSR/ R&R

- | | | |
|---|------|---------|
| ❖ ITI Training for PAPs | ---- | Oct 10 |
| ❖ Participation in District level Family Welfare camp | -- | Nov. 10 |
| ❖ Milk Cooperative formed | ---- | Nov. 10 |
| ❖ Village Development Committee formed | | Mar. 11 |
| ❖ School started at R&R Colony | ---- | Jun 11 |
| ❖ Animal Husbandry camp | ---- | Aug 11 |
| ❖ PDS Shop open at R&R Colony | ---- | Aug 11 |
| ❖ Constitution of Village Security committee | | Aug 11 |
| ❖ Adult Education center | ---- | Sep 11 |

ENGAGEMENT OF 60 PAPs IN THE INDUSTRIAL TRAINING AT HINDALCO INDUSTRIES LTD. RENUKOOT



Skill development initiatives:-

- 1. All these candidates accomplished 6 month ITI training**
- 2. Undergone through screening test conducted by TMI Network, Hyderabad**
- 3. Pursuing 3 month industrial training at Hindalco Industries Ltd. Renukoot**

SAFETY SHOES MAKING TRAINING : ENGAGING PAPs TOWARDS SELF EMPLOYMENT



1. Organization of Safety Shoes making training
2. Identification of PAPs whose conventional business is Shoes Making
3. Engagement of 8 PAPs
4. Visit of Participants of this training at Agra and Kanpur for identify source of raw material on optimal cost
5. To start commercial production by Nov/Dec 2011

COMMENCEMENT OF SARASWATI SHISHU MANDIR AT R & R COLONY



1. Commencement from 15th June Onwards

2. Collaboration with Saraswati Shiksha Parishad Jabalpur

3. Classes from 1st to 5th Standard is going on

4. Total 232 PAPs wards enrollment accomplished till 15 Aug 2011 viz. 86 in 1st Class, 37 in 2nd Class, 28 in 3rd Class, 35 in 4th Class and 46 in 5th class

5. Celebration of Independence day.



GRAND CELEBRATION OF 15TH AUGUST AT R&R COLONY



Program Conducted: -

- 1. Prabhat Pheri, Musical Chair Game, Jalebi Race, Songs and Group Dance did by school children of Saraswati Shishu Mandir at R & R colony.**
- 2. VDC and Slow Cycle race, Volleyball Game**
- 3. SHG members Musical Chair and Matka Race.**

DEVELOPMENT OF DAIRY COOPERATIVE SOCIETY AT R & R COLONY



1. Registration of Milk Cooperative namely “ Madhav Dairy Cooperative Society” at R & R Colony
2. Membership of 22 PAPs
3. Exposure Visit of member at Village level SanchI Milk Cooperative by collaboration with Jabalpur Dugdh Sangh
4. Upcoming Efforts Linkages with NABARD Schemes, Cattle Induction, Milk Collection and market Linkages.

VETERINARY CAMP AT R & R COLONY AND BARANIYA



- 1. Vaccination**
- 2. De-worming**
- 3. Treatment of Veterinary disease**



NATUECO FARMING AT R & R COLONY



1. Mobilization of PAPs for Natueco Farming at R & R Colony

2. Organizing 15 Days Training

3. 18 Women PAPs engage with training

4. Steps Forwarded

a. layout Making layout

b. Preparing Amrit Mitti & Amrit Jal

c. Process of making bed with the help of Amrit Mitti

d. Process of Seed Sowing



VAN MAHOTSAV AT R & R COLONY



1. Rally on the theme of Nature and our Service

2. Duration one Week

3. 50 tree plantation at common place like Balbadi and Anganwadi

4. 200 Tree Plantation in the 70 Houses of R & R Colony in second phase

5. Theme based Drawing Competition in school at R & R Colony



Inauguration of PDS AT R & R COLONY AND BARANIYA



- **Inauguration of Public Distribution Shop by SDM-Devsor.**
- **Tahsildar, TI- Barganwa, Food inspector were present.**
- **PAPs appreciated the steps.**



Thank You