

SHORTLISTED
PROJECTS



IIA 2015
AWARDS

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OFFICE AND R&D BUILDING FOR NICHROME / SHRIMAL

GROUP PHI ARCHITECTS AND DESIGNERS, PUNE

GROUP PHI ARCHITECTS & DESIGNERS as a group of efficient professionals conversant with all branches of Architecture, town & country planning & Interior designs. They believe that the project small one or large scale, it must be given same importance & alteration to achieve the high standards of design & quality.

The basic objective behind this project was to design an eco-friendly and a state of art R&D center with all the facilities under one roof.

Owner’s brief:

As being committed to the vision of becoming dominant player in the their area of business, they wanted to establish a **R & D Center in their existing campus.**

Nichrome wanted to setup a state of the art facility for complete design and development of its packaging machines. The R&D CENTER was set-up with a **sole aim of providing a much desired focus to the R&D activities under one roof.**

Design features:

The Nichrome Office building and R & D Center building is proposed in a Village called Shrimal in Satara district, 35 kms from Pune.

A **structural grid size of 7.8m x 7.8m** (module of @ 60.84 sqm) with shallow beams, with depth of 400mm and column size 0.45mx0.45m.was implemented for this Ground + 1 RCC structure.

Exposed brickwork used for the facade - a feature adopted from the existing structures on site.

Structure is proposed to be designed for 2000kg/sqmUDL.

The building represents a state-of-the-art R&D and Training center.

The buildings has been constructed with features of an **energy efficient and energy conserving areas, using most of the natural light.**

Context:

State of the art facility for complete design and development of its packaging machines- R&D CENTER.

It was set-up with a sole aim of providing a much desired focus to the R&D activities under one roof.

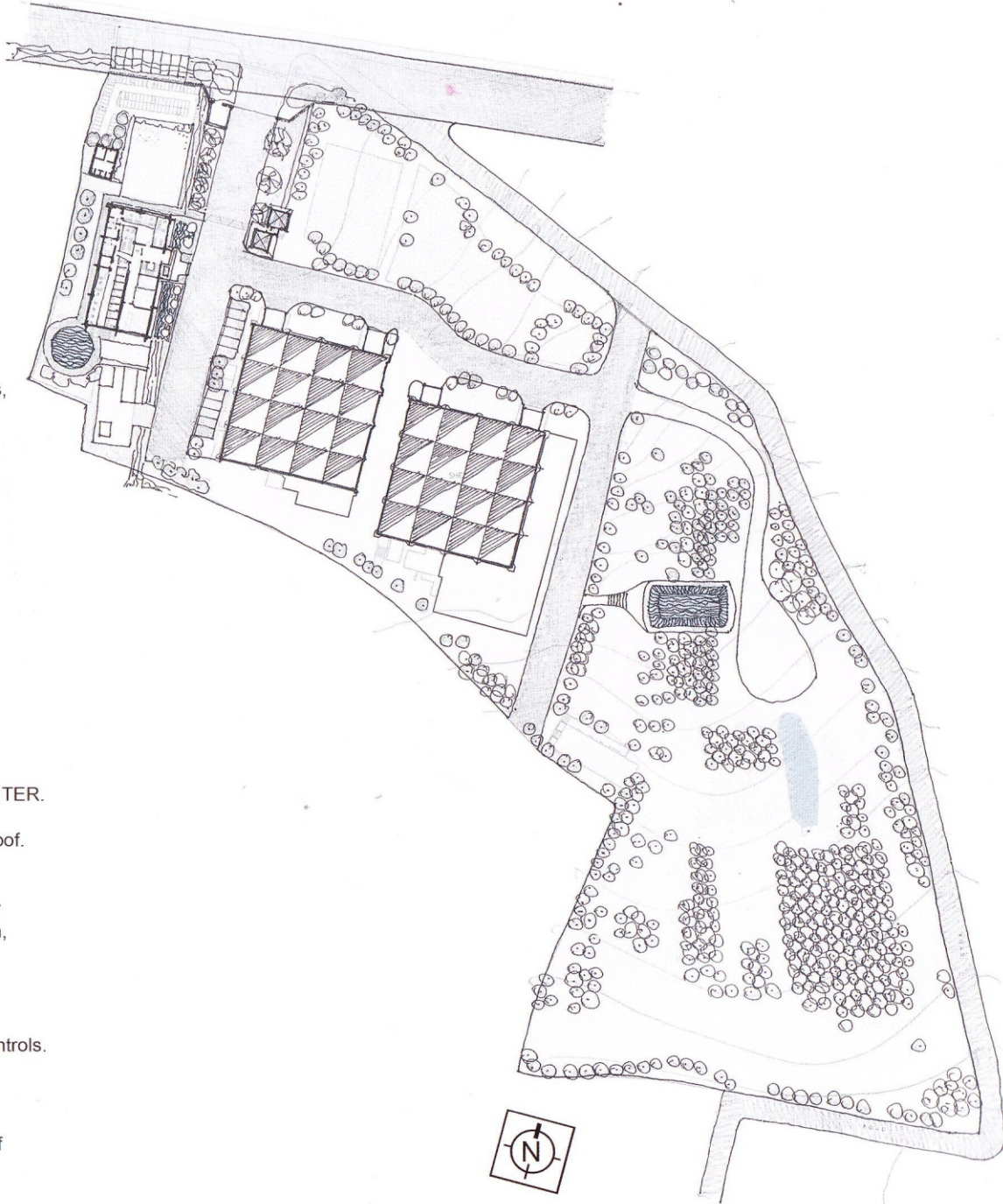
The R&D center houses Conference Rooms for 15 persons, Pouch Gallery, Training Center for 100 persons, product lab, pouch lab and proto assembly, demonstration area and Guest rooms for stay of overnight testing/commissioning and other general areas like meeting rooms, server room, UPS room Pantry, Toilet etc.

Pouch gallery that showcases the vast customer base

There is a dedicated floor for mechanical designing, application’s engineering of Electrical and Controls. a surrounding development

Macro to Micro lvl. planning

Our scope does not restrict only to individual planning,we always try for the overall development of the surrounding spaces complementing our structure.



Project Fact File

Client - NichromeIndia Pvt. Ltd

Location - At Post Wing,tal. -Khandala,gat No.769b,772b & 773 Shrimal, Dist. -Satara-412 801

Built - Up area - Ground Floor - 506.31 sqm. (5450 sqft.)
 First Floor - 506.31 sqm. (5450 sqft.)
 Terrace Area - 54.38 sq.m. (585.34 sq.ft.)
Total - 1067.00 sqm. (11485sq.ft.)

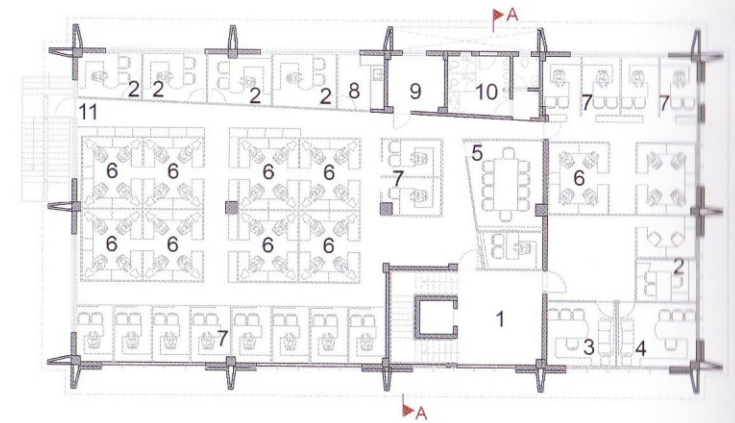
Total Project cost - **3,27,86863.45/-** (Civil + Interior + Electrical + Landscape etc.)

Cost per sqft. - **@ 2854.00 / sqft.**

Status - **Started - May 2013 & Completed - April 2014**



Company's Logo and Mascot at the entrance.



First Floor Plan

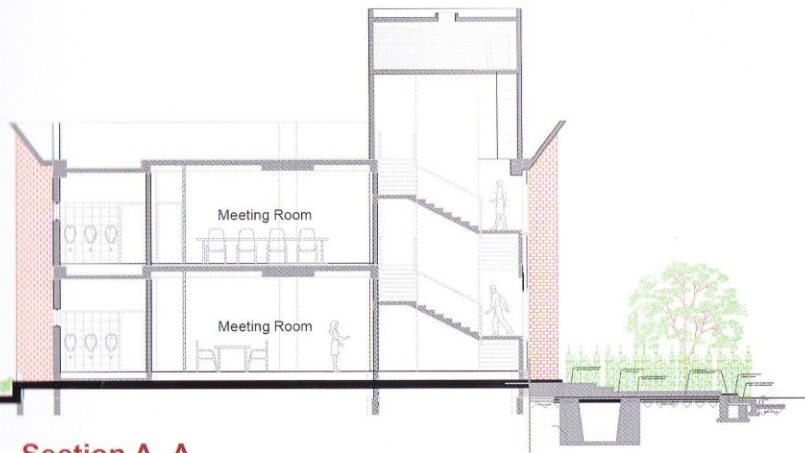
- 1. Lobby
- 2. Cabin
- 3. ED Cabin
- 4. MD Cabin
- 5. Meeting Room
- 6. Workstations
- 7. Cubicals
- 8. Pantry
- 9. Server Room
- 10. Restroom / Toilet
- 11. Emergency Exit



Ground Floor Plan

- 1. Entrance
- 2. Waiting and Reception
- 3. Training Room
- 4. Product Display Gallery
- 5. Meeting Room
- 6. Manager Cabin
- 7. Cabins
- 8. Workstations
- 9. Cubicals
- 10. Pantry
- 11. UPS Room
- 12. Restroom / Toilet
- 13. Emergency Exit

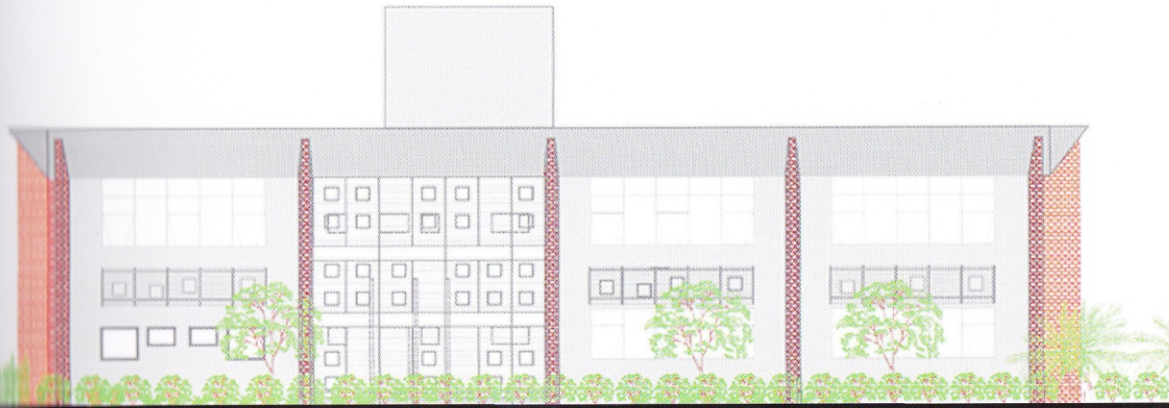




Section A- A



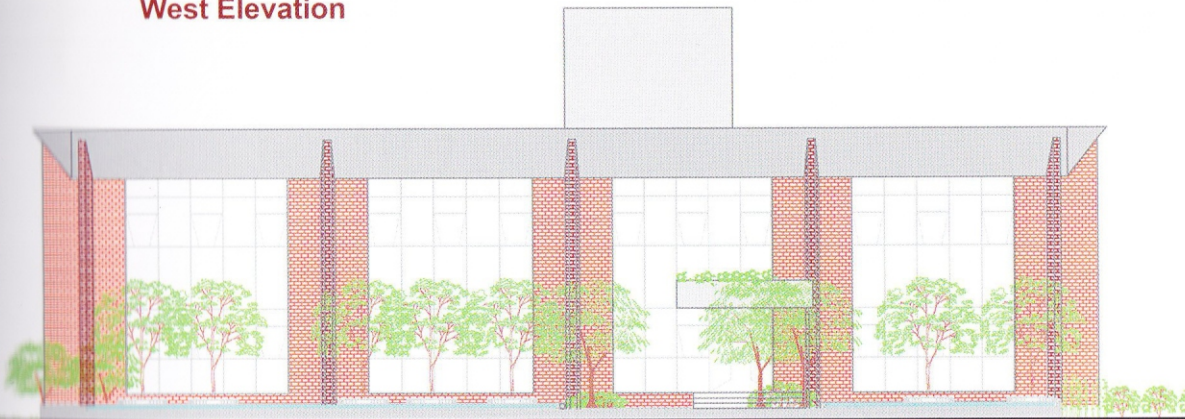
Front Facade of the Building.



West Elevation



Rear side of the building



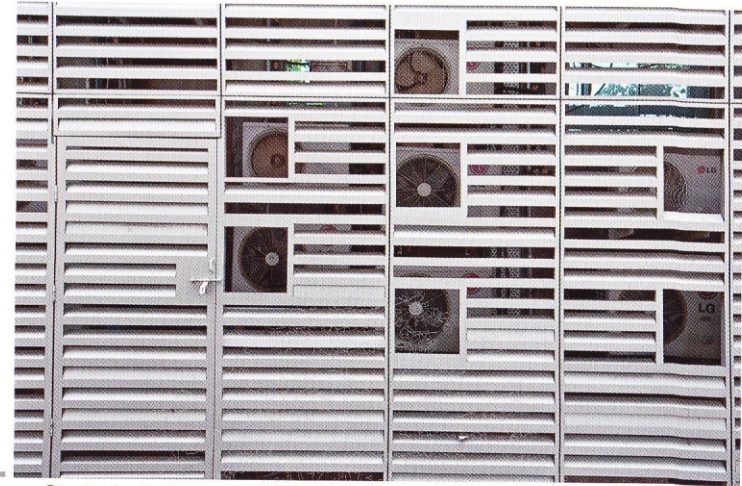
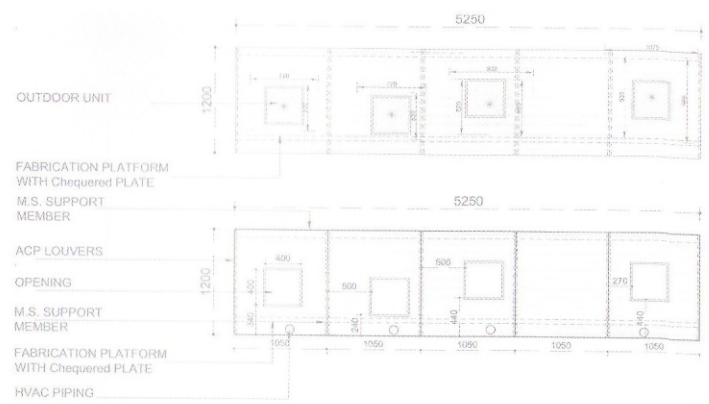
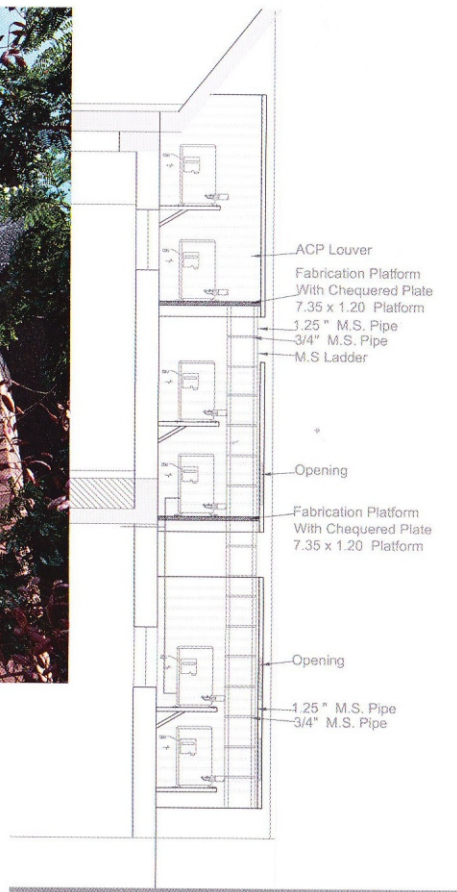
East Elevation



Building's external facade of **exposed brick, exposed concrete & structural glazing** in which reflection of surrounding landscape is seen.

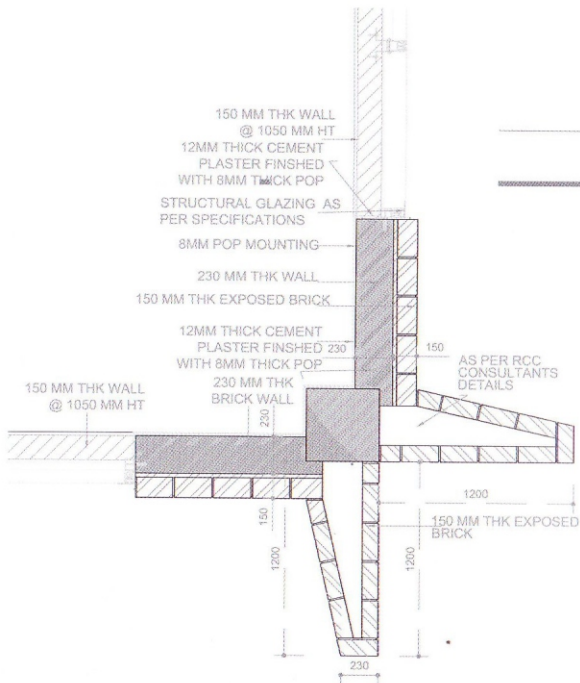


Detail of junction of exposed brickwork & concrete

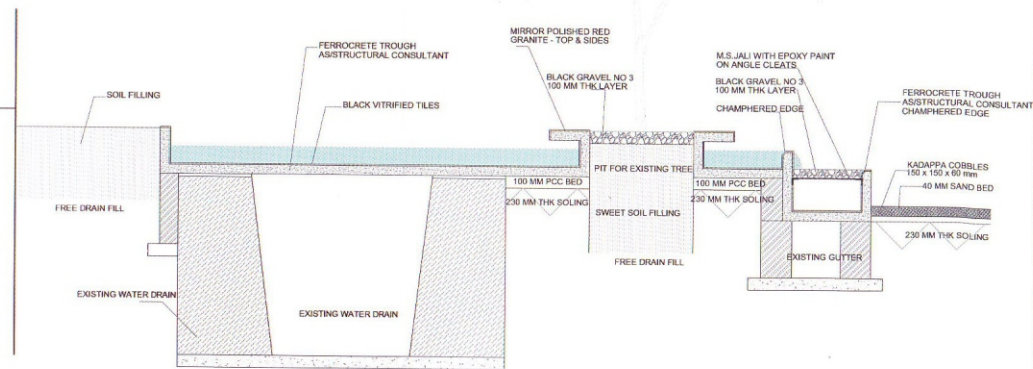


Strategically located door to access the A.C units for maintenance.

Detail of ACP louvers with square openings in front of the A.C out door units



Detail of structural fins in exposed brickwork



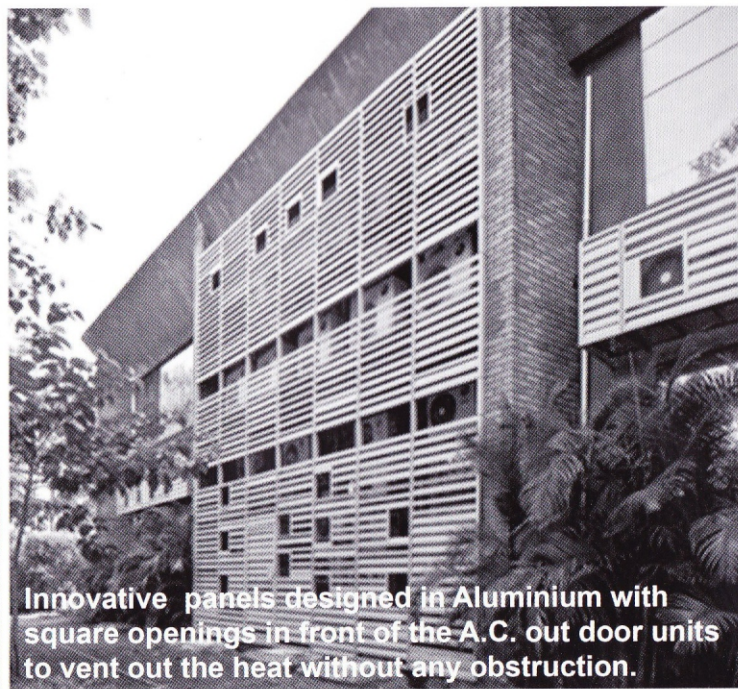
Section showing the reflecting pool, ferrocrete planter supports & the over flow channel at the entrance.



Photographs showing the pre-cast ferrocrete planter supports made on site



Vermicompost pit on site.



Innovative panels designed in Aluminium with square openings in front of the A.C. out door units to vent out the heat without any obstruction.



Stored rainwater on site used for landscape purposes on site.



The exposed brick & concrete encasing the glass facade which reflects the beautiful surrounding landscape



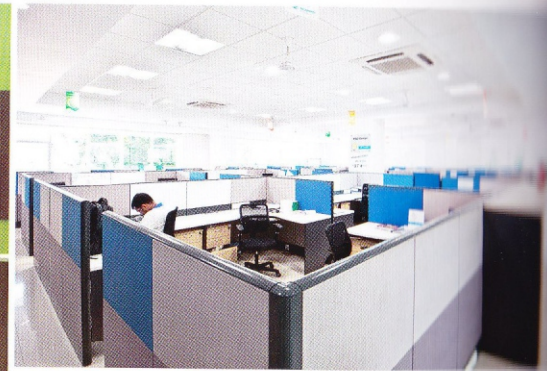
Existing well is retained and used for rain water harvesting and the treated water is used for drinking purposes.



Reception & Waiting Area



Colourful & inspirational Graphics on wall



The open office area overlooking the surrounding landscape



The pouch gallery that showcases the vast customer base of Nichrome. The type of material, stitching, seal etc. discussions, negotiations and finalisation is done in this area



The Training center "Prabodhini" for employees as well as for clients



Wall & Graphics showing 'the legacy' of the company since 1947 till today