



Innovator since 1955

***ONE DAY TRAINING CUM CONSULTATION
PROGRAMME ON INNOVATIVE
CONSTRUCTION TECHNOLOGIES &
THERMAL COMFORT FOR
AFFORDABLE HOUSING***

1955

Creation of OUTINORD

Charles
BAUER



Outinord : A few milestones

**Steel formworks, wall forms and
column forms:
Outinord creates wall forms with
integrated steel protections**



1956

**Development of the first
Tunnel forms**



1959

Outinord : A few milestones

After Sales Service

**Development of Overseas
Export Department**

1968

Outinord : A few milestones

Creation of folding and container wall forms

1982



Creation of the first Safety Platforms

PROTECTION PERIPHERIQUE : CP3C

*Auvent grillagé
avec extension*

*Garde-corps d'extrémité
fixe ou extensible*

*Extension longitudinales
et transversales
du plancher*

*Positionnement des attaches
volantes et verrouillage automatique*



1982

A wide range of products

Outinord : A wide range of products

Wall Forms



B8000 by Outinord: N°1 steel wall form in Europe

Outinord : A wide range of products

Tunnel Forms



Outinord is the pioneer of tunnel forms in the world

Circular Forms



CCRV : A Variable radius circular formwork

Outinord : A wide range of products

Column Forms



Outinord : A wide range of products

Table Forms



Outinord : A wide range of products

Safety Platforms



The Outinord platforms meet the highest European safety standards

Outinord : A wide range of products

Prefabrication Moulds

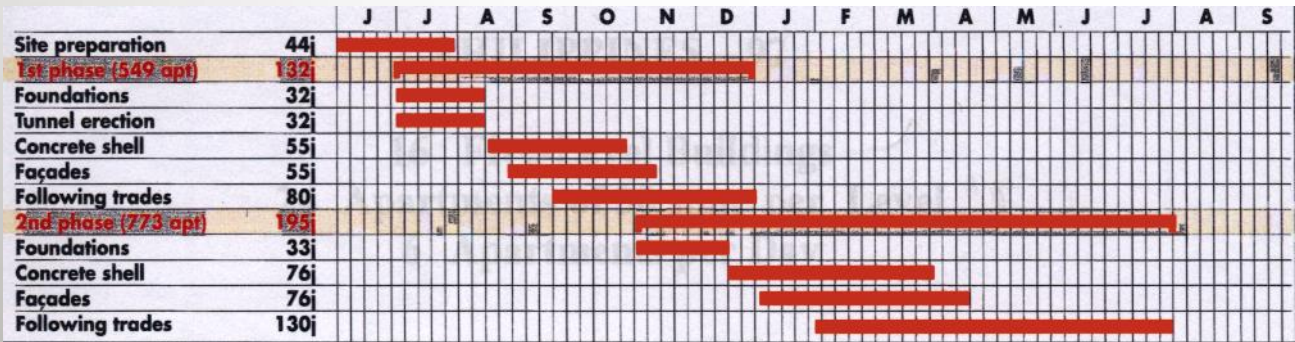


Outinord : Key benefits of our systems

20% cost saving



30% time saving

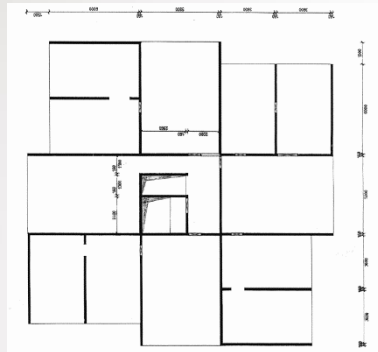


High quality finishes

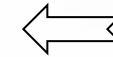


Outinord : Your partner from design to construction

A COMPLETE RANGE OF SERVICES



ARCHITECTURAL PLAN



PROVIDED BY CUSTOMER

**CONCRETE PLAN DEFINING
THE STRUCTURE TO BE CAST**



FORMWORK EQUIPMENTS



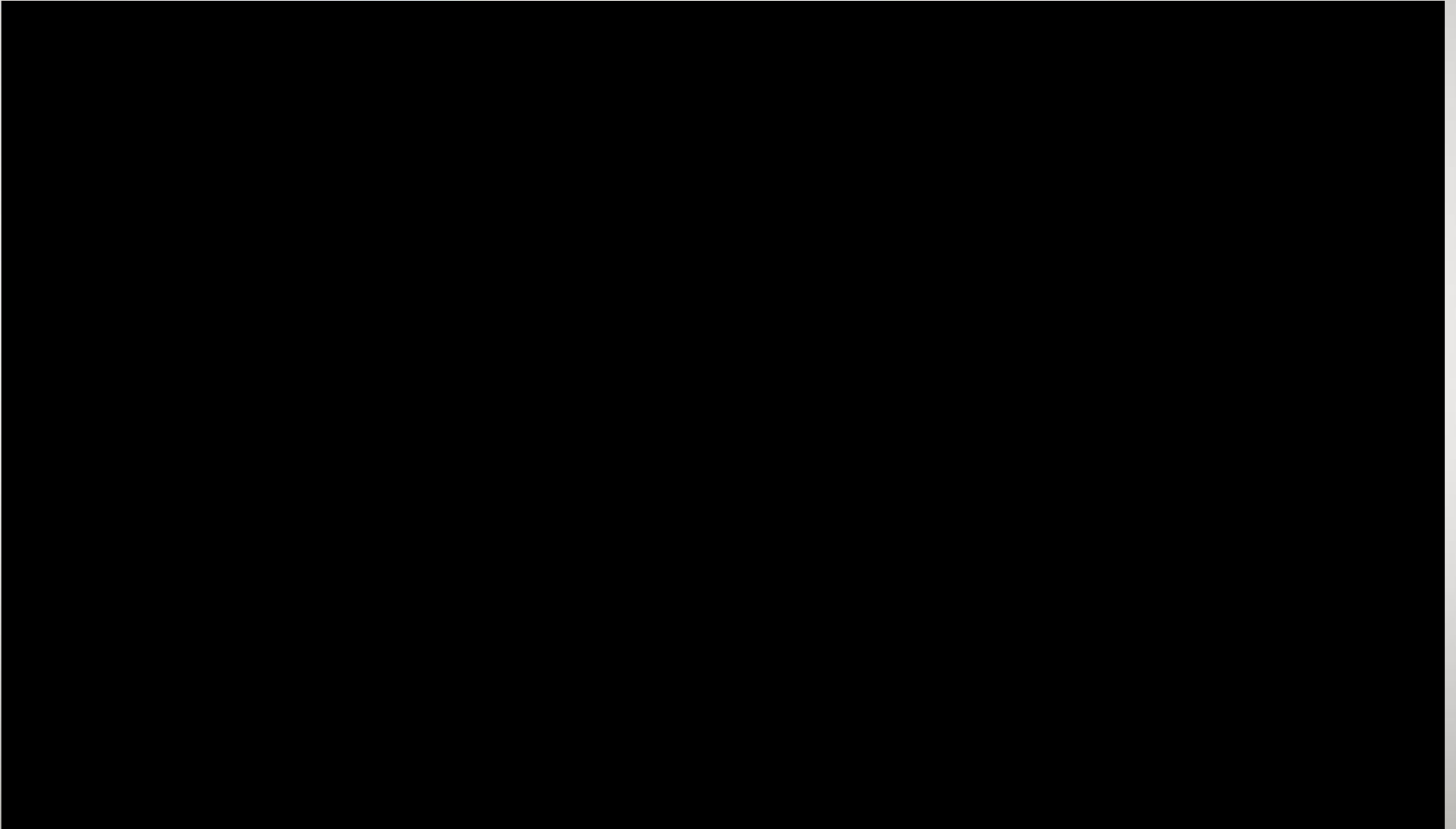
**CONSTRUCTION
SITE MATERIAL**

TRAINING

ON SITE SUPERVISION



Outinord Tunnel formwork Video



Outinord : A dedicated manufacturing plant

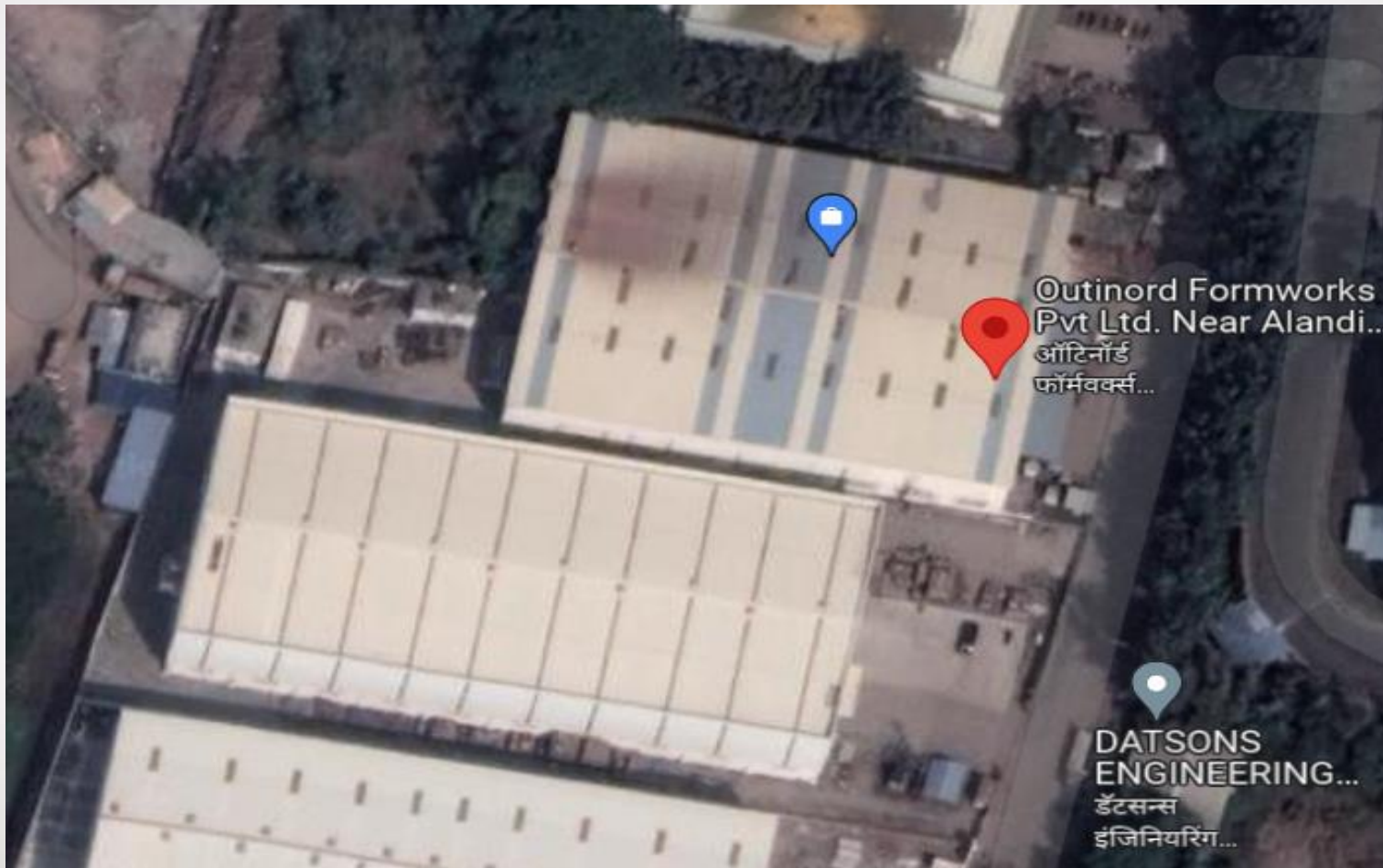


45000 m² production area

200,000 m² of steel formworks produced per year

ISO 9001 certified

Outinord : A dedicated manufacturing plant



***50,000 Ft² production facility at Chakan near Pune,
India***



BSCIC

Certificate

ENVIRONMENTAL MANAGEMENT SYSTEM

This is to certify that:

OUTINORD FORMWORKS PRIVATE LIMITED

SITE 1: GAT NO. 628, 629, 632, KURULI, CHAKAN, TAL. KHED, PUNE - 410 501, MAHARASHTRA, INDIA

SITE 2: S. NO. 30/3A, 30/3B, 31/1, 32/1A, 32/1B, OFFICE NO. 616, PLATINUM SQUARE, VADGAON SHERI, PUNE - 411 014, MAHARASHTRA, INDIA

Hereby granted the Certificate Number: **BN22187/20980**

Subsequent to the Assessment of the organization, it has been found to be operating an Environmental Management System which complies with the requirements of

ISO 14001:2015

For the following scope:

Design, Engineering, Manufacturing, Sale and Rental of Formwork Equipment for the Construction Industry. Manufacturing and Sale of Safety Platforms. IAF Scope: 17

For BSCIC CERTIFICATIONS PVT.LTD.

Originally Registered: 25-Apr-2023 1st Surveillance Due on: 24-Apr-2024

Issue Date: 25-Apr-2023 2nd Surveillance Due on: 24-Apr-2025

Expiry Date: 24-Apr-2028

Sanjay Seth Managing Director

(In case if Surveillance Audit is not allowed to be conducted; this Certificate shall be Suspended/Withdrawn).

Please Revalidate this certificate status at www.bscic.com at REGISTRATION STATUS.

This Certificate of Registration is granted subject to relevant provisions of the BSCIC Certifications PVT. LTD. Contract Terms & Scheme for Registration from BSCIC Limited Website. Please see BSCIC at our website www.bscic.com.

The certificate of Registration remains the property of BSCIC Certifications Pvt. Ltd. and shall be returned immediately upon request.

BSCIC Headquarters: Bunk, 1st Floor, 50/5A, Crown Plaza Mall, Pashan - 121 007, Mumbai, India.

Version No. 1

Registered

BSCIC **JAS-ANZ** **IAF**

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BSCIC

Certificate

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM

This is to certify that:

OUTINORD FORMWORKS PRIVATE LIMITED

SITE 1: GAT NO. 628, 629, 632, KURULI, CHAKAN, TAL. KHED, PUNE - 410 501, MAHARASHTRA, INDIA

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Hereby granted the Certificate Number: **BN22187/20981**

Subsequent to the Assessment of the organization, it has been found to be operating an Occupational Health & Safety Management System which complies with the requirements of

ISO 45001:2018

For the following scope:

Design, Engineering, Manufacturing, Sale and Rental of Formwork Equipment for the Construction Industry. Manufacturing and Sale of Safety Platforms. IAF Scope: 17

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Certificate

QUALITY MANAGEMENT SYSTEM

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OUTINORD FORMWORKS PRIVATE LIMITED

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SITE 2: S. NO. 30/3A, 30/3B, 31/1, 32/1A, 32/1B, OFFICE NO. 616, PLATINUM SQUARE, VADGAON SHERI, PUNE - 411 014, MAHARASHTRA, INDIA

Hereby granted the Certificate Number: **BN22187/20979**

Subsequent to the Assessment of the organization, it has been found to be operating a Quality Management System which complies with the requirements of

ISO 9001:2015

For the following scope:

Design, Engineering, Manufacturing, Sale and Rental of Formwork Equipment for the Construction Industry. Manufacturing and Sale of Safety Platforms. IAF Scope: 17

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Outinord Overview of Light House Rajkot Project

Monolithic Concrete construction using tunnel formwork Technology



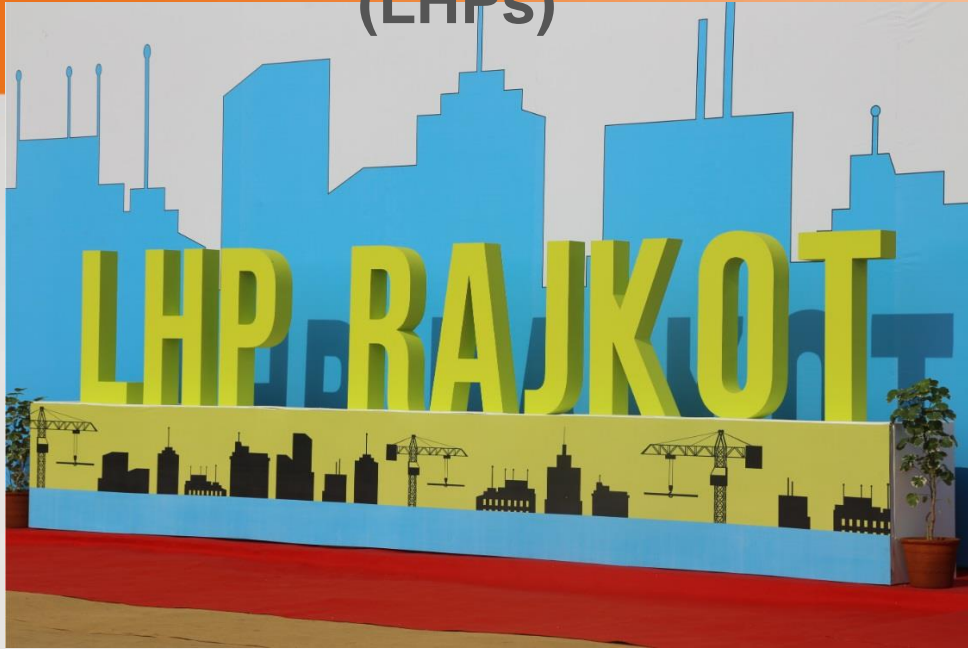
Ministry of Housing
and Urban Affairs
Government of India



GLOBAL
HOUSING
TECHNOLOGY
CHALLENGE INDIA



FOUNDATION LAYING OF SIX LIGHT HOUSE PROJECTS (LHPs)



LIGHT HOUSE PROJECT AT RAJKOT, GUJARAT



Light House Project at Rajkot, Gujarat

Project Brief	
Location of Project	Raiya Smart City Area, TPS No-32, FP63/10
No. of DUs	1,144 (S+13)
Plot area	39,599sq.mt.
Carpet area of each DU	39.77 sq.mt.
Total built up area	62,369sq.mt.
Technology being used	Monolithic Concrete Construction using Tunnel Formwork



PROJECT DETAILS



Block Plan



Unit Plan

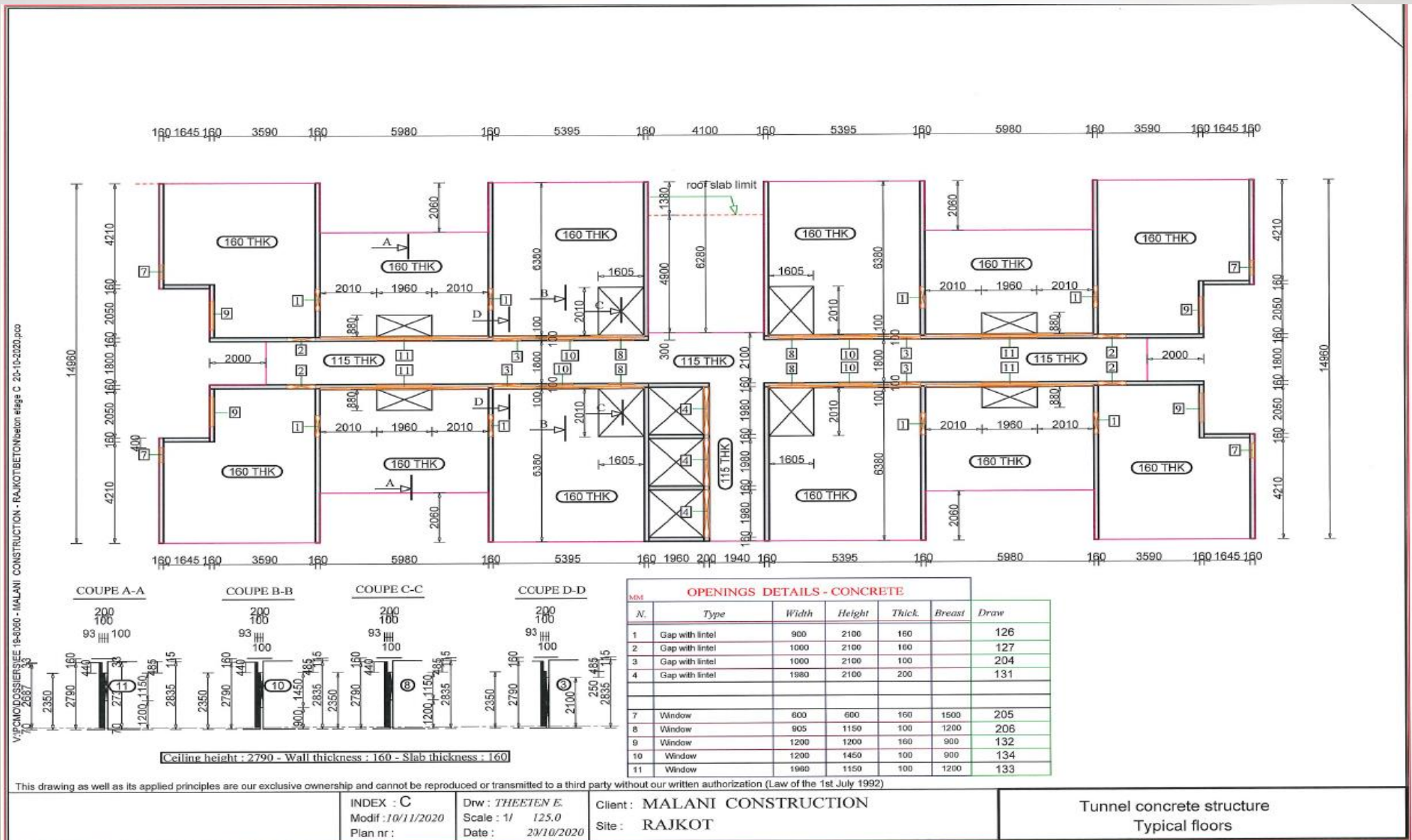


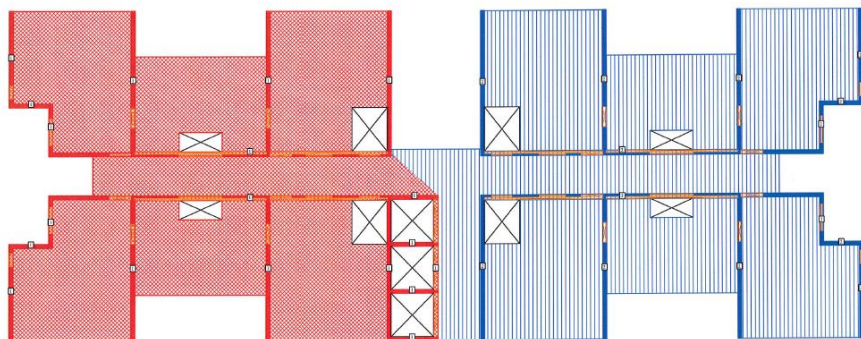
Unit 3D View



Project Layout Plan

OUTINORD TUNNEL CONCRETE DRAWING

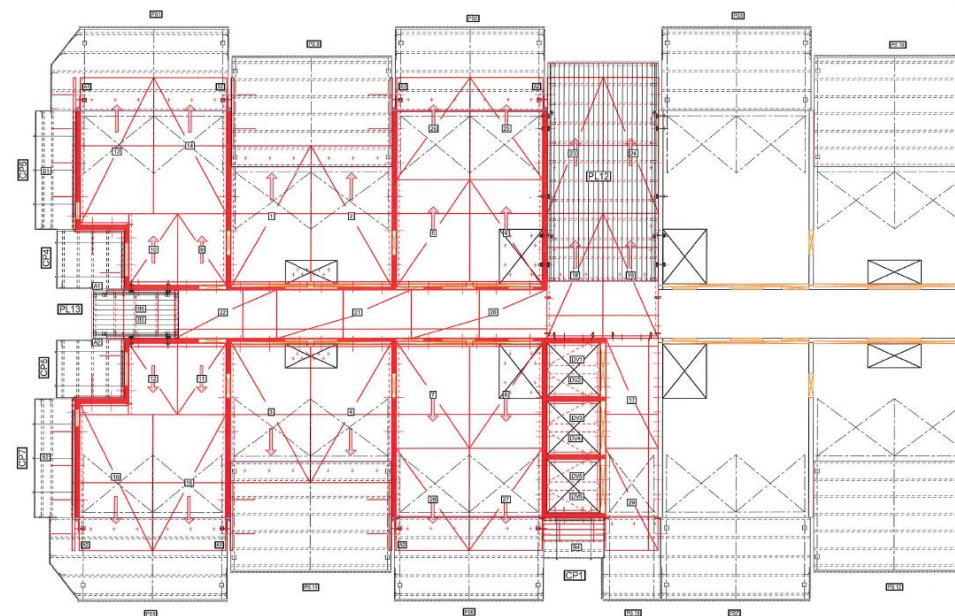




Ceiling height : 2790 - Wall thickness : 160 - Slab thickness : 160

PHASING DRAWING

TUNNEL DRAWING



Revision stage C 20-10-2020 acc

1)PCMO/DOSSIERS/EE 19-8080 - MALANI CONSTRUCTION - RAJKOTHABITUNNEL M A J Ind C 20-10-2020 hab

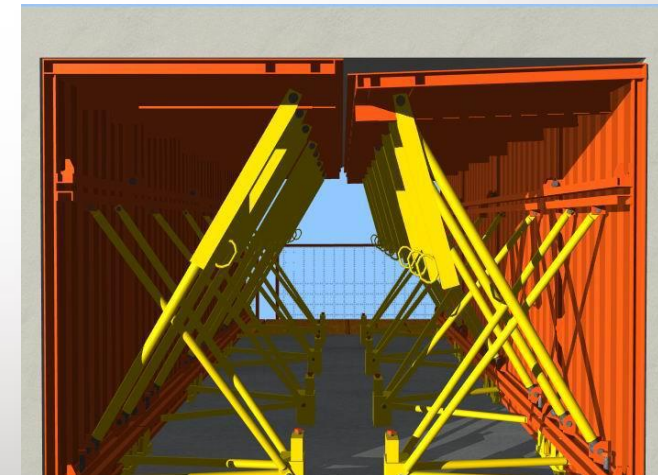
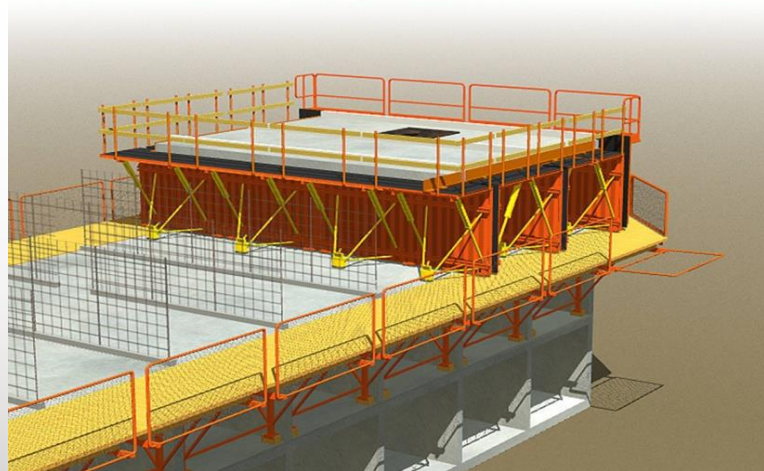
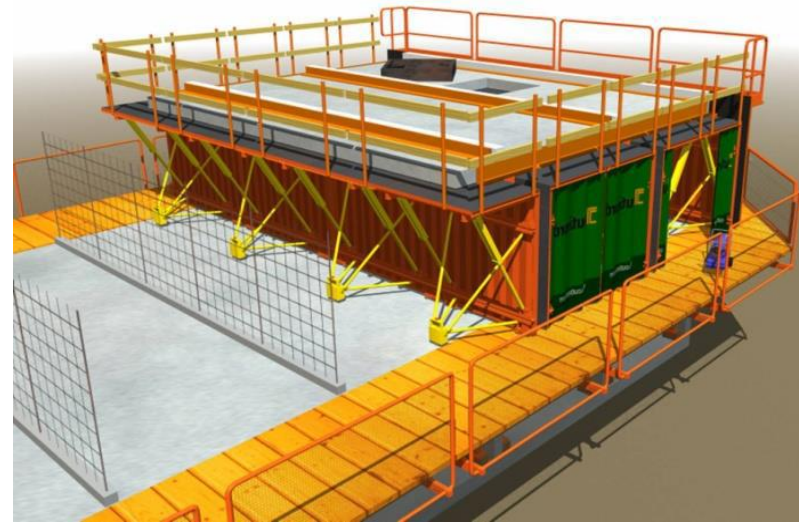
This drawing as well as its applied principles are our exclusive ownership and cannot be reproduced or transmitted to a third party without our written authorization (Law of the 1st July 1992)

PHASE 1

The 24 hour Cycle

07:00

- Concrete cube test completed by Engineer.
- Striking of Tunnel forms can begin

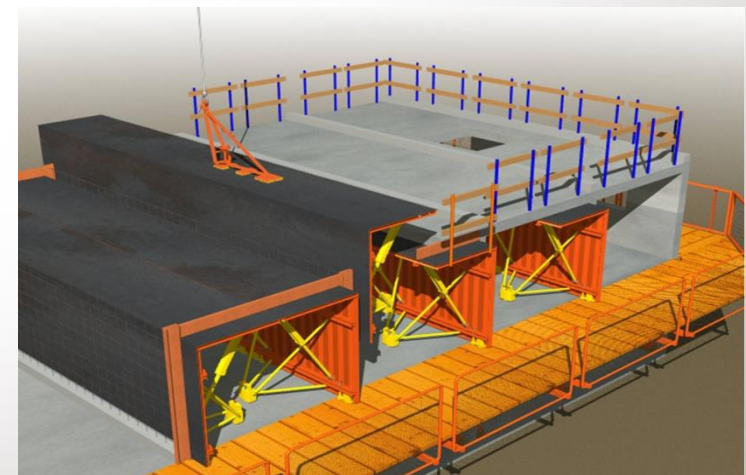
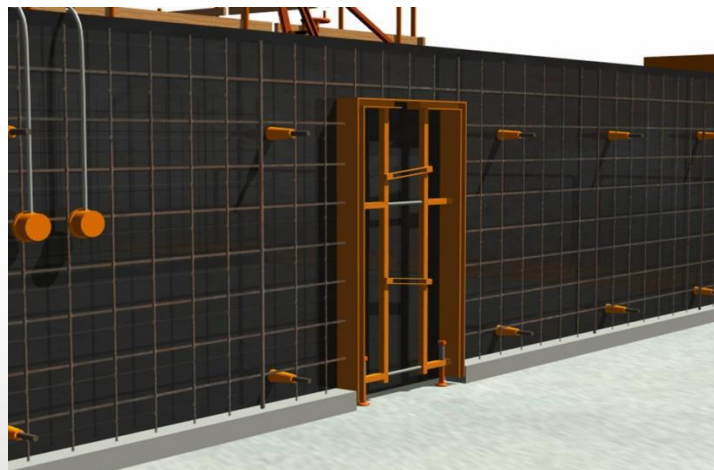
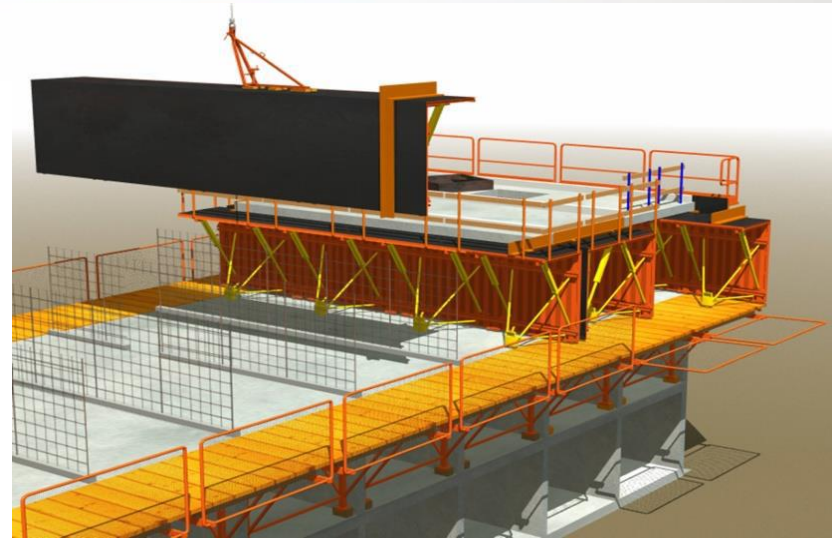


The 24 hour Cycle

07:30

1st Half Tunnelform is removed

- Cleaned, oiled and repositioned
- Wall reinforcement placed in advance
- Services are placed within the walls

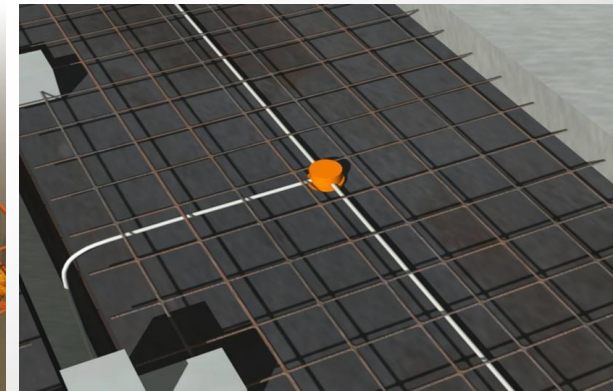
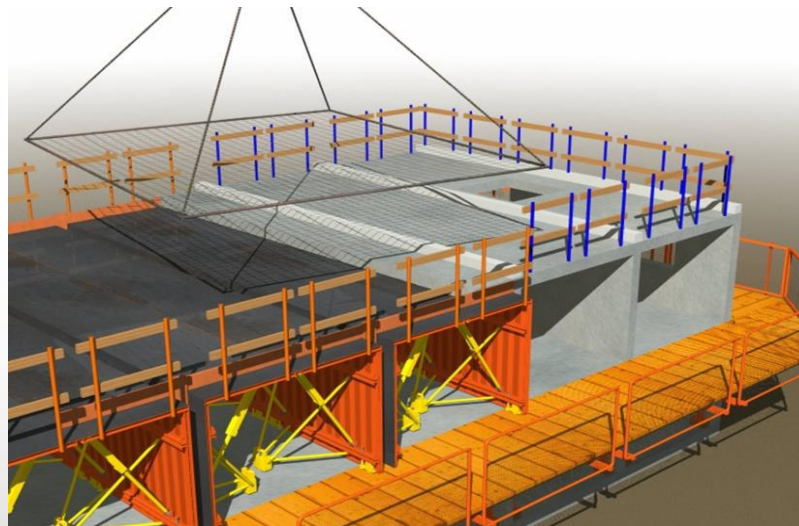
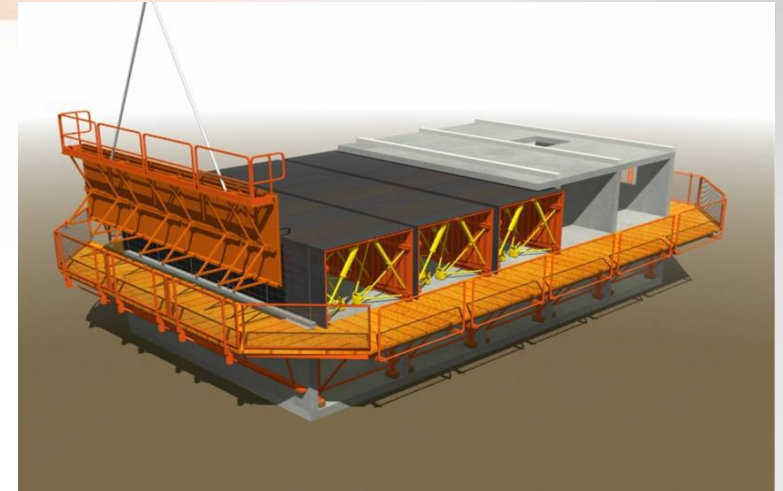


The 24 hour Cycle

11:00

Final packages are lifted into position

- Conduits are placed for services within the slab – reinforcement completed
- Once 2 half tunnels are placed then reinforcement can be placed on deck

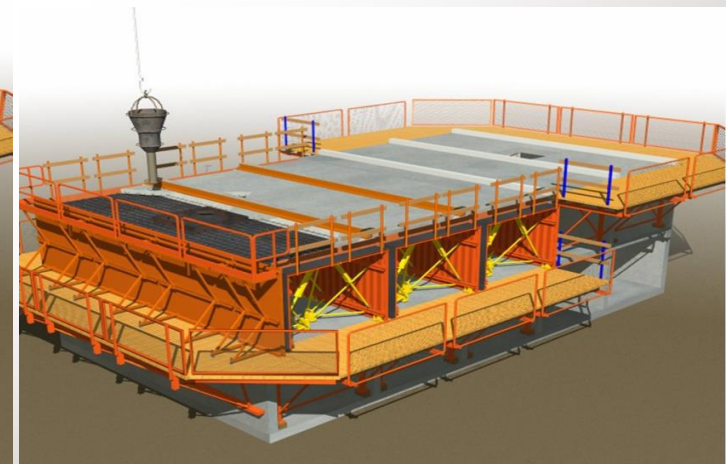
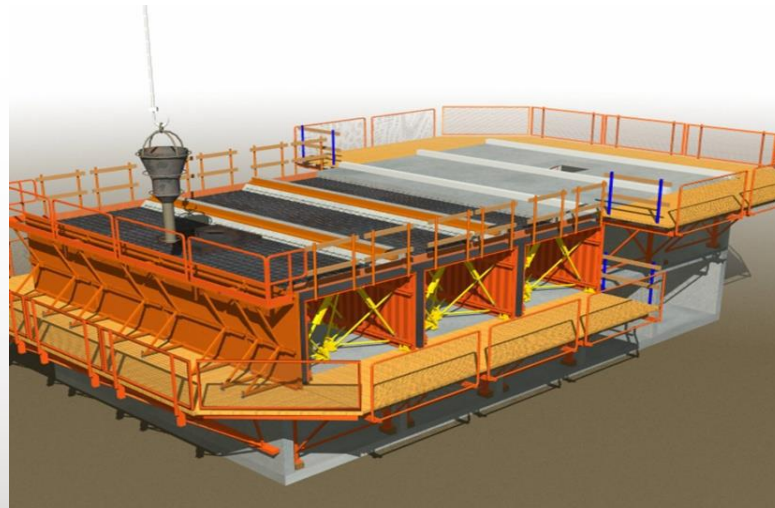
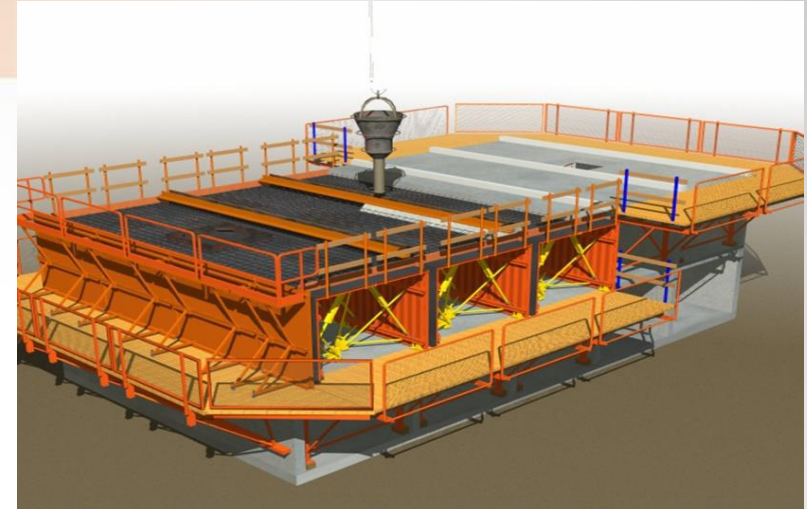


The 24 hour Cycle

14:30

Concrete pouring can start

- Walls followed by slabs (2 to 3 hours)
- Vibrators are used to ensure a high quality finish



The 24 hour Cycle

17:00



- Curtains are closed and space heaters inserted
- Heating system can be used to accelerate the curing process,
- The exercise is repeated the following day...



Rajkot Sequence of Construction



STAGE 1



STAGE 2



STAGE 3



STAGE 4

2 BLOCKS OF S+13 FLOORS FINISHED IN 40 DAYS USING 2
HALF SETS OF TUNNEL FORM

Visit of Light House Project, Rajkot Through a Drone



Factory Site: Pune

Project Site: Raiya, Rajkot

Secretary-Housing and Urban Affairs



Shri Durga Shanker Mishra Former Secretary MoHUA visits Light House Project site in Rajkot



Interview of Malani Construction



Interview of Mr. Jignasu Mehta CEO, Outinord



Media Coverage on Technique used in light House project Rajkot



इंडिया टीवी
www.indiatv.in

GHTC Light House Project External Views



GHTC Light House Project Internal Views



GHTC Light House Project Common Facilities Pics



Shri NARENDRA MODI Ji handing over the keys to Labharthi's



GHTC Rajkot Clips



clideo.com

राजकोट



THANK YOU