

File Ref:21641326

M- FIBONACCI
MAHALUNGE, PUNE, MAHARASHTRA - 411045
QAQC AUDIT REPORT
28 JUNE 2024



**BUREAU
VERITAS**

Shaping a World of Trust

Head Office

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Marol Industrial Area,
Opposite Seepz Gate No. 2,
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Andheri - (East)
Mumbai - 400 093.

www.bureauveritas.co.in



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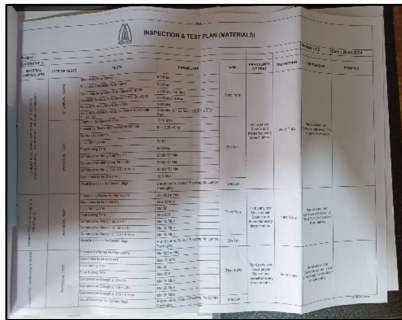
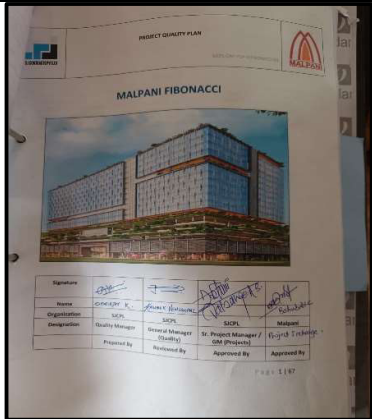
Building and Infrastructure Division
Site Inspection/ Audit Report

INSPECTION / AUDIT REPORT/ MGPUNE/FIBONACCI/BVP/QAQC/CIVIL/IR-02		REV.NO. 0
<input checked="" type="checkbox"/> Initial <input type="checkbox"/> Interim <input type="checkbox"/> Final <input type="checkbox"/> Resident.		
Inspection/ Audit Requested By : Malpani Group		
Inspection / Audit performed as Recognised Authority : Rohan Patil		Yes <input checked="" type="checkbox"/> NO: <input type="checkbox"/>
BV Job / Zig No : 21641326		


Project Name : M Fibonacci	IPO (if applicable):N/A
Audit by : Bureau Veritas (India)Pvt Ltd, Mumbai	PO no. WO/M Fibonacci/2024/089 Date 31.01.2024
Vendor/Manufacturer : Malpani Group	PO No. N/A (Client to Vendor)
Architect : Morphogenesis	Contractor : S J Contracts Pvt. Ltd.
Sub Vendor : NA	Vertical : Civil
Inspection Location : M Fibonacci – Baner Pune	Previous Inspection : 20 th March 2024
Inspection Performed from : 28 th June 2024.	Next Inspection : As per Clients requirement

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A. INSPECTION & FINDINGS					
Sr. No.	LOCATION	AUDIT FINDINGS / OBSERVATIONS	TYPE OF FINDINGS	IMAGE/ EVIDENCE	Status
1	M Fibonacci Site	Construction status at Tower A & A1	Info	Building : Basement + Ground + 6 Podiums + Amenity + 11 Floors Current Status : Core share wall 100%+Ground floor slab 38%+column above Basement Level 75% + Pour 1 Slab 16%	Info
2	Site Office	Project quality plan with QAP & ITP was available at Site Office	Positive	 	Doc No- SJCPL/MVPL/FIBONAC CI/TRAN/2023/19

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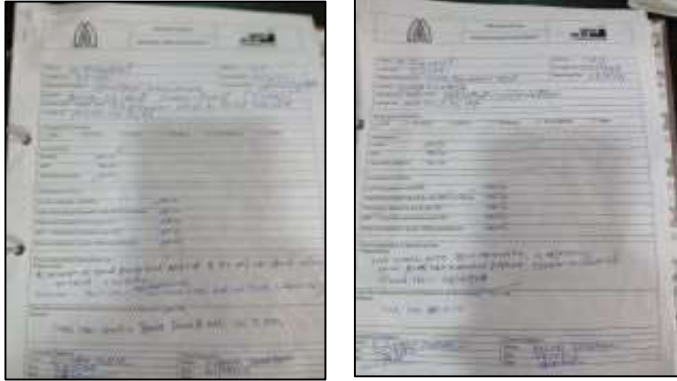
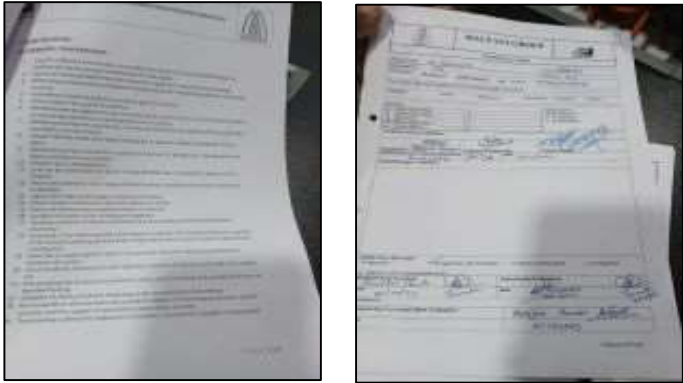
3	Site Office	Batching plant, CTM & Cube moulds calibration certificates verified & found valid as per QAP requirements.	Positive		Certificate no-SJPL/23-24/02-0001



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4	Site Office	MIR for incoming material and their record checked.it was seen that any observation w.r.t materials were highlighted in the report and kept on hold till it has been cleared.	Positive		
5	Site Office	Randomly reviewed method statement, pour card of various activities construction materials & found in order .	Positive		



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6	Site	Curing is being carried out properly and date of casting with member number are mentioned. Also R.Ls are also marked on the structure	Positive	 	
7	Site Inspection	Checked the dimension and reinforcement of wall 11 & 12 per drwg no GFC-8003-03 Rev -00. Links were not bend upto 135 deg and were at some places loosely binded.	Minor Observation	 	per drwg no GFC-8003-03 Rev -00



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8	Site Inspection	Rough surface observed in Column C-83	Minor Observation		



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8	Quality Lab	<p>Todays Cube compressive strength test for 28 days cubes witnessed & found not confirmed. Grade of concrete M-15. Cube Results at 28 days.</p> <p>1)12.05 N/sqmm 2)13.42 N/sqmm 3) 13.33 N/sqmm Avg- 12.93 N/sqmm</p>	Major Observation		
9	Site Lab	<p>Cube curing tank with thermostatic control to maintain the temperature of water.</p> <p>Cube marking is done with all details mentioned on the cube.</p>	Positive		



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10	Site	Quality park is maintained at site with pictorial representation.	Positive		



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11	Rebar Stacking Yard	Two different diameters of Rebar stacked separately and colour coding done for tested and untested Rebar.	Positive			
12	Coupler	Checked the coupler for Go- Nogo and for pitch and found in order. Inspection check Register is also maintained at site.	Positive			


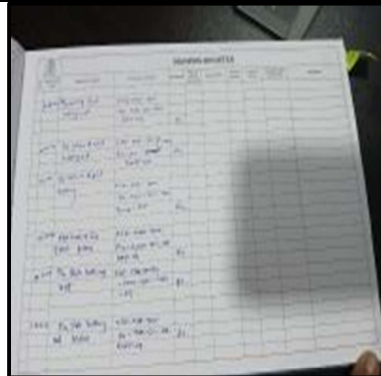
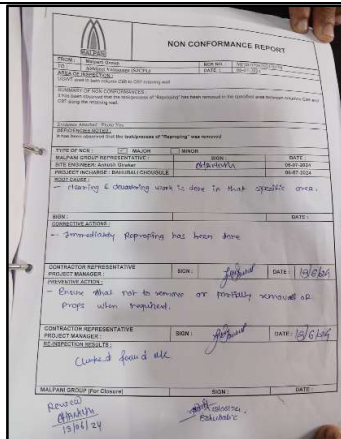
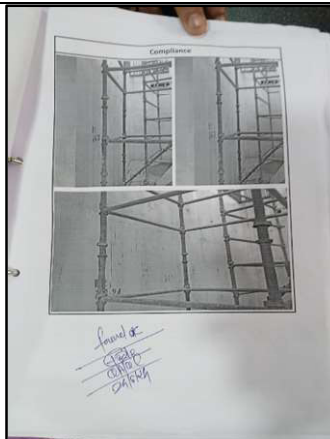


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13	Site	Formwork are stacked at site properly. Rebar grade and size wise are stacked separately along with protection.	Positive		



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14	Site Office	Drawings are maintained on BIM platform. Latest drawings are controlled in soft copy itself. Also hard copy register is maintained	Positive	 	
15	Site Office	RFI being raised by contractor against which if any NC is observed is recorded in NCR format report and NCR register is maintained. NC which are open more than stipulated period status need to properly highlighted in remark column.	Recommendation	 	



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16	Training	Training session conducted for skilled and unskilled worker for ongoing activities and record maintained.	Positive	 	
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B.

☐ Satisfactory (Without Comments)
 ☒ Satisfactory with Comments (Any previous NC is Still Open)
 ☐ Not Satisfactory (NCR Raised during the inspection)

Inspection Summary: (For Details Refer Sec- A)

Good Practices:-

- 1) Quality park is maintained at site with good practices to be followed site are displayed.
- 2) Hessain cloths are used for curing of vertical member.
- 3) Materials are stacked properly at site.
- 4) Incoming material are checked properly. Color coding is maintained for tested and untested rebar.

Observation:-

- 1) Cubes for footing bottom PCC and surrounding area of footing pour 8 of grade M-15 are not confirmed.
- 2) Links of wall reinforcement W13 and W11 were loose and not bent properly as per drawing.
- 3) Rough surface observed on column C-83

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4) Recommended to put on remark in NCR register for NC open more than stipulated period.

Open NC : ☐ Yes, details in Section H ☒ NO

On behalf of Bureau Veritas
BV Inspector: Rohan Patil





On behalf of Bureau Veritas
BV Coordinator: Priyanka Patil





BV Office: Mumbai

Inspection Report Date: 10th July 2024

Distribution:
☒ CLIENT ☒ BV ☐ VENDOR

Attachments Report:
☒ Yes, details in section J ☐ NO

C. REFERENCE DOCUMENTATION ☐ Refer to attachment section J instead

TITLE	REFERENCE	REV	APPROVAL STATUS	APPROVED BY	DATE (DD-MM-YYYY)
Project Quality Plan	M Fibonacci	N/A	Approved	Malpani Group	N/A

D. ATTENDEES

ATTENDEES	DESIGNATION	REPRESENTING
1)Mr Bahubali Chowgule	Project Manager	Malpani
2)Mr Devendra Shinde	Asst. Manager QA/QC	Malpani
3)Mr Kiran Mundlik	Asst. Project Manager	Malpani
4)Mr Vishal Pawar	Sr. Engineer	Malpani

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5)Mr Rohit Shinde	Sr. Engineer	Malpani
6)Mr Ankush Giradkar	QA/QC Engineer	Malpani
7)Mr Sandip Shingade	Safety Officer	Malpani

E.	MEASURING AND TESTING EQUIPMENTS USED <input type="checkbox"/> Refer to attachment section J instead <i>(Indicate if separate document list is provided in attachment)</i>			
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EQUIPMENT TYPE	EQUIPMENT ID NO. & Name of Calibration Certificate Issuer & Certificate Number	Traceable to NABL or Compliant to ISO 17020 requirement (Yes/ No)	CALIBRATION DATE/CALIBRATION DUE DATE.	REMARK
CTM	SJ/CPL/QAC/LAB/CTM/01	YES	16/4/25	

Note – Whether all above Equipment/Instrument listed is checked for Suitability and condition and found acceptable? - Yes

F. INSPECTION /AUDIT DETAILS

Audit Scope:

Site Inspection & Quality Assurance limited to TPI Services in terms of reviewing Quality Assurance plans, various documents generated during construction, Surveillance inspection services at site and bought out items related to Civil work, MEP & Site development.

Consultant is to perform an independent external audit of the correct implementation and running of quality control system at Site. Also, Consultant shall review and approve the corrective methods submitted by the site team on Audit findings.

Consultant shall review the quality plan and discuss the rating system before start of Audit with the Client. Consultant shall discuss the Audit methodology, check list, report formats and Audit Plan with the Client prior to executing the Audit.

Consultant shall do the pre- delivery inspection of the final product and shall provide the report/snags.

G. HEALTH, SAFETY & ENVIRONMENT COMMENTS/OBSERVATION

- 1) Proper safety has been used on site during inspection activity.
- 2) Safe access was available for audit.
- 3) HSE training is going on regular basis.
- 4) TBT Training is going on regularly



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H. NON CONFORMITIES USED

(Indicate if separate document list is provided in attachment)

☐

Refer to attachment section J instead

NC No.	Description	Status Raised On	Raised on	Report no.	Closed on	Report No.	Comments
	N/A						

I. (Earlier + Current) Report Pending Punch points (Carry forward all open points from earlier visit)

☐

Refer to attachment section J instead

Sr. No.	Description	Report no & Date	Status (Open /Close)
	N/A		

J. ATTACHMENTS:

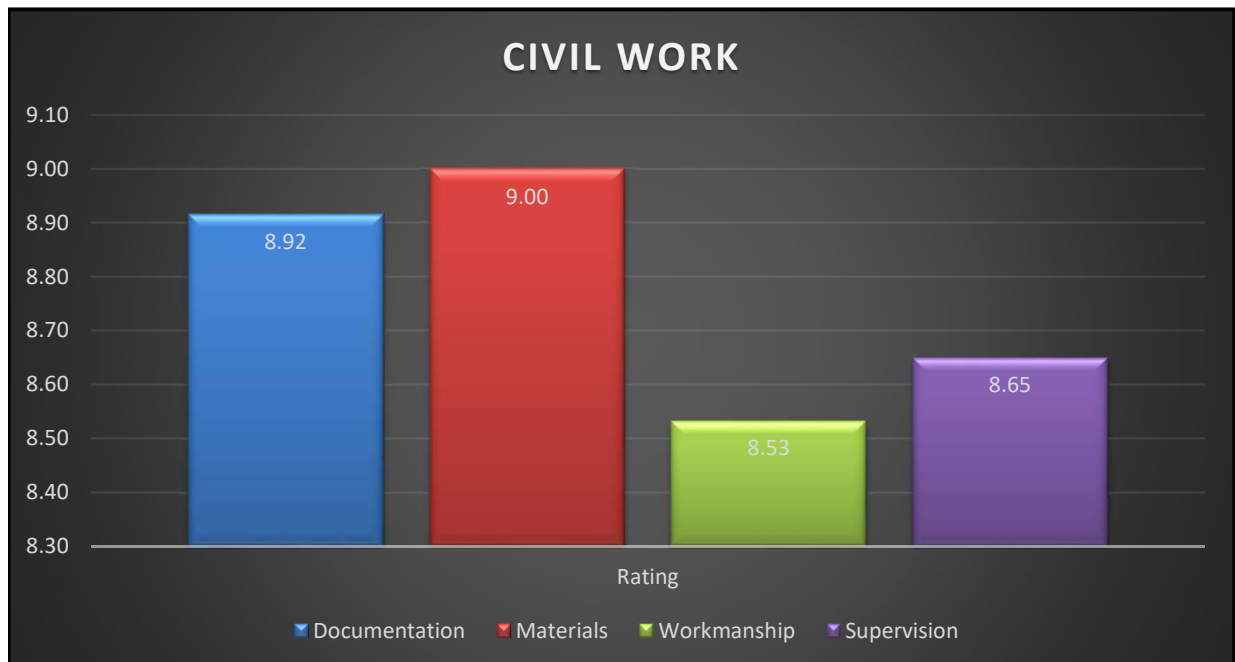
	N/A		
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Project Quality Rating (Civil)

Project Name: **M FIBONACCI**

Parameters	Weightage in %	Rating in%	Rating	Overall Rating
Documentation	10	8.92	8.92	8.78
Materials	10	9.00	9.00	
Workmanship	40	34.13	8.53	
Supervision	40	34.60	8.65	



Project: M FIBONACCI

Score Sheet

ACTIVITY		Description (Activities to be measured)"	Weightage in %	Sum of (A)	Score in 10	Weighted score	Av. Score in 10		
			(A)		(B)	C=AxB	(SUM C/SUM A)		
General Checks/ Conditions (Process)	QUALITY CONTROL LAB, SURVEY EQP. & ANY OTHER SITE EQUIPMENT	Condition of Testing Equipments	25	100	9	225	9.00	1	S
		Quality Control Systems/Procedures	25		8.5	212.5	8.50	1	D
		Calibration certificates with updated status of Lab & Survey Equipments	25		9	225	9.00	1	D
		Registers and records	25		9	225	9.00	1	D
Batching Plant RMC	Documents	Mix Design, Pouring sequence, Pre & Post Pour, Cube casting, Testing & Standard Deviation, Calibration of Plants as per frequency	10	100		0	0.00	0	D
	Materials		10			0.000	0.00	0	M
	Workmanship		40			0	0.00	0	W
	Supervision		40			0	0.00	0	S
Reinforcement	Documents	lap/bend/extra bars,Cutting length, Bar bending, Bar bending schedule (BBSA), quality of work , shuttering oil, cover block & material condition.	10	100	9	90	9.00	1	D
	Materials		10		9	90	9.00	1	M
	Workmanship		40		8.60	344	8.60	1	W
	Supervision		40		8.60	344	8.60	1	S
Formwork	Documents	Checking line and level, Formwork, Pouring Curing	10	100	9	90	9.00	1	D
	Materials		10		9	90	9.00	1	M
	Workmanship		40		8.75	350	8.75	1	W
	Supervision		40		8.75	350	8.75	1	S
Concrete	Documents	Mix Design, Pouring sequence, Pre & Post Pour, Curing, Alignment, Honeycombing, bulgeing, temp./slump & cutouts.	10	100	9	90	9.00	1	D
	Materials		10		9	90	9.00	1	M
	Workmanship		40		8.25	330	8.25	1	W
	Supervision		40		8.25	330	8.25	1	S
Waterproofing	Documents	Raw material, Leekage Test , Application,cleaning & leak test	10	100		0	0.00	0	D
	Materials		10			0	0.00	0	M
	Workmanship		40			0	0.00	0	W
	Supervision		40			0	0.00	0	S
mivan shuttering	Documents		10	100		0	0.00	0	D
	Materials		10			0	0.00	0	M
	Workmanship		40			0	0.00	0	W
	Supervision		40			0	0.00	0	S
	Documents		10	100		0	0.00	0	D
	Materials		10			0	0.00	0	M
	Workmanship		40			0	0.00	0	W
	Supervision		40			0	0.00	0	S
	Documents		10	100		0	0.00	0	D
	Materials		10			0	0.00	0	M
	Workmanship		40			0	0.00	0	W
	Supervision		40			0	0.00	0	S
	Documents		10	100		0	0.00	0	D
	Materials		10			0	0.00	0	M
	Workmanship		40			0	0.00	0	W
	Supervision		40			0	0.00	0	S
	Documents		10	100		0	0.00	0	D
	Materials		10			0	0.00	0	M
	Workmanship		40			0	0.00	0	W
	Supervision		40			0	0.00	0	S

Note : In the above table (only cells having red digit are to be filled by the inspector) and number 1 is to entered in column J.

In the case of more activities either additional rows can be inserted in the above table (without disturbing the formula) or additional activity can repase any other activity which is not applicable.

		Score	Count	Ratings	Out of 100	% for Bucket
10	Documents	53.50	6.00	8.92	89.17	8.92
10	Materials	27.00	3.00	9.00	90.00	9.00
40	Workmanship	25.60	3.00	8.53	85.33	34.13
40	Supervision	34.60	4.00	8.65	86.50	34.60

8.78