

# MICHAEL MASCARENHAS

B. E. CIVIL ENGINEER

43, Madhav Apartment 1, Cheda Complex, Malvani Block No.5, Malad West, Mumbai 400095

## FORM-2A

### ENGINEER'S CERTIFICATE FOR QUALITY ASSURANCE

(Site Supervisor's Certificate)

To  
M/s Pranav Constructions Private Limited  
1001, 10<sup>th</sup> Floor, DLH Park, S. V. Road  
Near MTNL, Goregaon West  
Mumbai - 400062

#### Quality Assurance Certificate

(Certificate No. 02 for the quarter ending 30<sup>th</sup> June, 2019)

**Subject :** Certificate for quality of materials used and quality of Construction and workmanship for the Work of 1 No. of Building of the project 'Abhiram CHSL' of the project situated on the Plot bearing CTS No. 1344/A, Kandivali Village situated at Shivaji Road, Opp. Thakur International School, Kandivali (W), Taluka Borivali, Mumbai Suburban District - 400067; demarcated by its boundaries - By Open Space of Garden bearing CTS No. 1342 to the East, By Shivaji Road having CTS No. 1344/B to the West, By Dattani CHSL bearing CTS No. 1329 to the North, By Giriraj Apartment CHSL bearing CTS No. 1345 to the South of Village Kandivali, Taluka Borivali, MSD admeasuring 1075.40 sq. mtrs. area; being developed by M/s Pranav Constructions Private Limited

**Reference:** MahaRERA Registration Number- P51800018680

Dear Sir

I, Mr. Michael Mascarenhas have undertaken an assignment of supervision of this real estate project.

#### **Our Responsibility: -**

To carry out the work in accordance with the development permission and as per the approved plan and submit certificate of supervision of work and to carry out material testing in-site or in the authorized laboratory and to ensure quality of work and



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## **1. Material Testing: -**

I have applied following mandatory checks on the basic materials used in the construction:

### **i. Cement-**

It has been tested for its fineness, soundness, setting time, compressive strength etc. as per IS code 3535:1986, IS code 1489:2015 and IS code 269:2015 as per industry standards and its results are within the permissible limits.

### **ii. Coarse aggregate –**

It has been tested for deleterious materials, clay lumps, crushing value, impact value as per IS Code 2430:1986 and IS code 383:1970 as per industry standards and its results are within the permissible limits.

### **iii. Bricks/ Blocks –**

They have been tested for water absorption, crushing strength etc. as per IS Code 5454:1978, IS code 2212:1991 and IS code 2185:1984 as per industry standards and its results are within the permissible limits.

### **iv. Concrete/Ready-mix Concrete-**

It has been tested for compressive strength for various periods as per IS Code 456:2000 and IS Code 1199 as per industry standards and its results are within the permissible limits.

### **v. Steel for Concrete-**

It has been tested as per IS Code 2062:2011 and IS code 1786:2008 as per industry standards for tensile strength, elongation and gauge length etc. and its results are within the permissible limits.

### **vi. Testing of Other materials**

Other materials like sand, crushed sand, floor tiles, fixtures and fittings, pipes and sanitary fittings etc. used in this project conform to relevant IS/BS/NBC code or as per standards laid down by the industry for particular materials.

## **2. Workmanship: -**

I hereby certify that the work has been carried out under my supervision. I further certify that workmanship and quality is satisfactory and up to the mark and the work has been acceptable within the permissible limits of deviations as per relevant code of practice.



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### **3. Electrical Materials and Workmanship: –**

I hereby certify that the work of all the electrical wirings/ connections / lift installations/ other electrical installations have been carried out under authorized/ registered electrical Engineer and records have been maintained. The materials used conform to the relevant IS/ B.S/ National Building codes or as per Industry standards.

### **4. Structural Engineer: –**

The Promoters have appointed Structural Engineers viz. M/s Shanghvi and Associates Consultants Private Limited having License No. STR/S/193 having Office No. 02226144832, Mobile No. 9867300054.

The Structural design of the building in this project has been done under supervision. They have checked the soil report before laying PCC for foundation in consultation with the Soil Consultant. The formwork and concrete mix design has been done as per IS Code 10262:2009 or as per other relevant codes as applicable. The periodic checks and certificates for stability and safety have been kept on record.

### **5. Preservation of Records: –**

Record of all test results of this project have been properly kept in the prescribed format and will be preserved at least up to the Defect Liability Period or for the period as required by any other provisions of law.

6. Please specify materials or any other items of work; which were not conforming to the standard specifications and which were not rejected. – **Not Applicable.**

We are using all materials as per IS specifications or as per Industry standards.

Yours Faithfully



**Signature of Engineer (Site Supervisor)**

Name: Michael Mascarenhas  
Phone No: 9967322788

Date: 03/07/2019

Place: Mumbai