

## ENGINEER'S CERTIFICATE FOR QUALITY ASSURANCE

Date : 09 March, 2020

To,

**SHREE MALHAR ASSOCIATES**

Gat No. 571, Near Z P School,

Kirkatwadi, Taluka Haveli

District Pune 411024

## Quality Assurance Certificate

Subject : Certificate for quality of materials used and quality of construction and workmanship for the work of Kamal Green Leaf having MahaRERA Registration No. **P52100017147** project situated at Gat No. 571, Near Z P School, Off Sinhagad Road, Kirkatwadi, Taluka Haveli District Pune admeasuring total plot area of 16500 Sq. mtr. Area being developed by **SHREE MALHAR ASSOCIATES**

Sir,

I Pramod Sampat Pingale have undertaken an assignment of supervision of this real estate project.

My/Our responsibility

I/we are responsible for carrying 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 our material testing in-situ or in the authorized laboratory and to ensure quality of work and workmanship as per prescribed specifications and as per NBC and or other relevant code of practice.

## 1. Input Materials, Fixtures and Fittings

I/we have applied following mandatory checks on basic materials used in construction.

- i. Cement – It has been tested for its fineness, soundness, setting time, compressive strength etc. as per IS Code 3535:7986 or as per other relevant IS/BS/NBC Code, or 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 2430:1986 or as per other relevant IS/BS/NBC code or 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 5454:1978 or as per other relevant IS/BS/NBC Code or as per industry standards and its results are within permissible limits.
- iv. Concrete / Ready-mix Concrete – It has been tested for compressive strength for various periods as per IS 456:2000 and IS 1199 or as per other relevant IS/BS/NBC codes as per industry standards and its results are within permissible limits.

- v. Steel for concrete – It has been tested as per IS 2062:2011 or as per other relevant IS/BS/NBC Code or as per industry standards for tensile strength, elongation and gauge length etc. and its results are within permissible limits.
- vi. Testing of Other materials – Other materials like sand, crushed sand, floor tiles, fixtures and fittings, pipes and sanitary fittings etc. All materials used in this project confirm to relevant IS/BS/NBC code or as per standards laid down by the industry for a particular material.

2. Workmanship – I/we hereby certify that work has been carried out under our supervision. We further certify that workmanship and quality is satisfactory and up to the mark and the work has been acceptable with the permissible limits of deviations as per relevant code of practice.

3. Electrical Materials and Workmanship – Works of all the electrical wiring / connections / lift installation / other electrical installations have been carried out under authorized / registered electrical engineer and its records has been maintained. The materials used confirm to the relevant IS/BS/NBC code or as per industry standards.

4. Structural Engineer – Promoter has engaged Structural Engineer Parag Chopda having licence no. P.M.C.L. No. 246 having his office at Spectrum Consultants 759/25, Deccan Gymkhana, Pune 411004 Phone No. 020-25675224. The structural design of buildings in this project has been done under his supervision. He has checked the soil report before laying PCC for foundation in consultation with soil consultant. The form work and concrete mix design has been done as per IS 10262:2009 or as per other relevant codes as applicable. His 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 formats and will be preserved at least up to the defect liability period or for the period as required by any other provision of law.

6. Please specify materials or any other items of works which were not confirming to the standard specifications and which were not rejected.

Yours faithfully,

  
29/03/20  
**Pramod Sampat Pingale**