

FORM 2-A

ENGINEER'S CERTIFICATE FOR QUALITY ASSURANCE

Date: 31/12/2022

To,

The Tarangan Infraventures Private Limited,

Plot No. 263, Bajaj Nagar,

W.H.C. Road, Nagpur – 440010 (MH)

Quality Assurance Certificate

(Certificate No. P50500017948 for the quarter ending 31 December 2022)

**Subject:** Certificate for quality of materials used and quality of Construction and workmanship

For the work of Pioneer Orchid 1 No. of Building situated on plot No. R6 bearing CTS No. 505 demarcated by its boundaries Plot no. R-3, R-4, and R-5, to the North 15 Meter DP Road, to the South 18 Meter DP Road, to East MIHAN boundary, and the West of Division Nagpur, village Nagpur, Taluka Nagpur, District Nagpur, Pin- 440006 admeasuring 6133.62 sq. mtrs. area being developed by Tarangan Infraventures Private Limited.

**Reference:** MahaRERA Registration Number- P50500017948.

Respected sir,

I, Kamalkishor Shahu, have undertaken an assignment of supervision of this real estate project.

**Our Responsibility: -**

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

**1. Material Testing: -**

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

**a) Cement: -**



It has been tested for its fineness, soundness, setting time, compressive strength, etc. as per IS code 3535:1986 or as per other relevant IS/85/NBC code, or as per industry standards and its rules are within the permissible limits.

**b) Coarse aggregate: -**

It has been tested for deleterious materials, clay lumps, crushing value, impact value, etc., as per IS 2430:1986 and as per other relevant IS/BS/NBC code and as per industry standards and its results are within the permissible limits.

**c) Bricks/Blocks: -**

They have been tested for water absorption, crushing strength, etc., as per IS 5454:1978 and as per other relevant IS/BS/NBC code and as per industry standards and its results are within permissible limits.

**d) Concrete/Ready-mix-Concrete: -**

It has been tested for compressive strength for various periods as per IS 456:2000 and IS 1199 and as per other relevant IS/BS/NBC codes and as per industry standards and its results are within permissible limits.

**e) Steel for Concrete: -**

It has been tested as per IS 2062:2011 and as per other relevant IS/BS/NBC code and as per industry standards for tensile strength, elongation, gauge length, etc., and its results are within permissible limits.

**f) Testing of other materials: -**

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

**2. Workmanship: -**

I/we hereby certify that the work has been carried out under our supervision. We further certify that the workmanship and quality are satisfactory and up to the mark and the work is acceptable within the permissible deviations as per the 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 an authorized/registered electrical engineer and its records have been maintained. The materials used conform to the relevant IS/BS/NBC and as per industry standards.

**4. Structural Engineer: -**

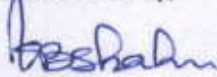
The Promoter has engaged structural engineer Mr. P.S. Patankar having licenses bo. F-1219630 having office Universal Annex Flat No. 302, Plot No. 79, Shivaji Nagar, Nagpur – 440010. Mob No. 9822224906.

The structural design of buildings in this project has been done under his supervision. He has checked the soil report before laying P.C.C. for the foundation in consultation with the soil consultant. The formwork and concrete mix design has been done as per IS 10262:2009 and 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: -**

Records of all test results of this project have been 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.

Yours Faithfully,



Kamal Kishor Shahu

Site Engineer

Mob No. 9890533908

Place: Nagpur.