



SK Consultants & Engineers

Address: 909, The Landmark, Plot no- 26A, Sector -7, Kharghar, Navi Mumbai-410210 Ph: 91+ 7977077375

FORM -2 A

ENGINEERS CERTIFICATE FOR QUALITY ASSURANCE

To,
Sap Magic Developers Private Limited,
Office No. - 315, 3rd Floor, Sai Chambers,
Sector -11, CBD Belapur,
Pin Code – 400614.

QUALITY ASSURANCE CERTIFICATE

CERTIFICATE NO – 01 FOR THE QUARTER ENDING September 2019.

Subject: Certificate for quality of Material used quality of Construction and workmanship for the work of One No of Building of the project situated on the plot bearing Final Plot No. - **Plot No - 96** demarcated by its boundaries 9mtr Wide Road to the north, Plot no. 112 to the south, Plot no. 97 to the west, 9mtr Wide Road to the East, Village– Vadghar (CT), Taluka– Panvel, District –Raigarh, Pin Code – 410206, admeasuring **199.3 sq.mtrs**, Area being developed by **Sap Magic Developers Private Limited**.

Reference: Maharera Registration No - P52000020842.

Sir,

I Shantanu Kuchya (B.Tech. Civil) have undertaken an assignment of supervision of this real estate project.

A) 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-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) Material Testing

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

i. Cement-

ACC Cement (OPC 53 Grade) has been tested for its fineness, soundness, setting time, Standard Consistency, Compressive Strength etc. as per IS: 4031 – Methods of Physical Tests for Cement and its results are within the permissible limits as per the IS 12269:2013.

ii. Coarse aggregate -

It has been tested for its Crushing value, Impact value etc. for sample Metal-2(20mm) as per IS 2386 (Part-IV)-1963 and its results are within the permissible limits.

iii. Bricks/ blocks -

They have been tested for its Compressive Strength, Water Absorption etc for 2 different samples of bricks- SMJ (220*100*70) and SYM (220*150*85) as per IS-3495(Part-I)-1992 & IS-3495(Part-2)-1992 respectively. The result for Compressive Strength of Brick- SMJ (220*100*70) are within the permissible limits (as per IS:1077-1992).

iv. Concrete / Ready-mix Concrete-

The Test for Concrete has not been performed.

v. Steel for concrete-

It has been tested as per IS: 1786-2008 for sample TMT Bar (Fe 500) of different diameter (8mm, 12mm,16mm) for its tensile strength, elongation and gauge length etc. No transverse cracks and Fracture were observed and its results for all the tests are within the permissible limits as per IS-1786.

vi. Testing of Other materials -

Other materials like crushed sand used in this project conform to relevant IS/BS/NBC code or as per standards laid down by the industry for a particular Material. The results of Sieve Analysis of Crushed sand as per IS 2386 (Part-1)-1963 are within the permissible limits as per IS:383-2016 (Zone-I) and results of Specific Gravity & Water Absorption as per IS 2386 (Part-3) 1963 are also within the permissible limit.



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B) Workmanship: -

I 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 within the permissible limits of deviations as per relevant code of practice for the above-mentioned materials.

C) Structural engineer: -

Promoters has engaged structural engineer **Mr. B.S. Sukthankar** having Licenses no. **STR/S/99** having cell no. +91 9821050273.

The structural design of building in this project has been done under his Supervision.

D) 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.

Please specify materials or any other item of work which were not conforming to standard specifications and which were not rejected: -

The Compressive Strength for the sample of brick – SYM (220*150*85) are not within the permissible limits (as per IS: 1077-1992). The Water Absorption for both the bricks are not within the permissible limits.

- ❖ **Note –** The tests have been performed as per the IS Standards. All the above tests are carried out based on the current stage of work of the project and the material been used at that stage of work of the project.

Yours Faithfully,

Signature of Engineer (Site Engineer)

Name: Mr. Shantanu Kuchya

Phone: +91 7977077375

Place: Kharghar

