

**Quality Control Check Report**      Stage: After Column Casting (villas)

|                           |                        |            |                                |   |  |
|---------------------------|------------------------|------------|--------------------------------|---|--|
| Block No.                 | 172                    | Column No. | 01                             | Sl. No.   | 31475  |
| Company                   | <i>Nilgiri Estates</i> | Project    | <i>Nilgiri Estates</i>         | Phase   | III  |
| Prepared by               | <i>N. Sanketh</i>      | Sign       | <i>N. Sanketh</i>              | Date  | 15-09-18   |
| Project Manager           | <i>Srinivasa Kumar</i> | Sign       | <i>Srinivasa Kumar</i>         | Date  | 15-09-18   |
| Previous stage report no. |                        |            | Report filed and signed by PM? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  |
| Checked By                |                        | MD Sign    |                                | For filling   | <input type="checkbox"/> Yes <input type="checkbox"/> No |

**Recommendation:**

- Stop further work. Submit ATR on QC report to QC team. Proceed only after recheck by QC.
- Stop further work. Proceed with work after submitting ATR on QC report to QC team.
- Proceed with further work only after making corrections pointed out in the QC report. ATR not required.
- Proceed with further work. ATR not required.

**Columns Position Check**

**Notes:**

- Inspection should be done after casting of columns at each stage and before starting centering works for each slab.
- Prepare Columns Position Check Plan as follows:
  - Divide blocks into smaller sub-blocks.
  - Show size and orientation of columns. (Tolerance 0.5")
  - Show inner – inner space between columns. (Tolerance 1")
  - Show diagonals for 20% of bays. (Tolerance 1.5")
  - Print an A3 size plan.
- Circle each correct dimension with green colour. Circle each incorrect dimension with red colour and mention actual dimension next to it.

Columns Position Check Plan enclosed?    Yes    No

**Slab Dimensions Check**

**Notes:**

- Prepare Slab (or plinth beams) Dimensions Check Plan as follows:
  - Show outer dimensions of slab. (Tolerance 2")
  - Show length and width of balconies (Tolerance 1")
  - Show inner dimensions of ducts and lift well. (Tolerance 1")
  - Show location of sunken slab.
  - Print an A3 size plan.
- Circle each correct dimension with green colour. Circle each incorrect dimension with red colour and mention actual dimension next to it.

|                                      |  |                           |   |
|--------------------------------------|--|---------------------------|---|
| Slab Dimensions Check Plan enclosed? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Actual thickness of slab? | — |
| Specified thickness of slab?         | —  | Actual thickness of slab? | — |

**Quality Control Check Report. Stage: After Column Casting (villas)**

|   |  |
|---|--|
| Quality of centering, rod bending and concreting.   | <input type="checkbox"/> Good <input checked="" type="checkbox"/> Avg. <input type="checkbox"/> Bad    |
| Quality of centering, rod bending and concreting?   | <input type="checkbox"/> Good <input checked="" type="checkbox"/> Avg. <input type="checkbox"/> Bad    |
| Quality of starters?  | <input type="checkbox"/> High <input checked="" type="checkbox"/> Medium. <input type="checkbox"/> Low |
| Number and size of honey combs?   | <input type="checkbox"/> Good <input checked="" type="checkbox"/> Avg. <input type="checkbox"/> Bad    |
| Are the honey combs in slab and columns packed?   |  |
| Number of beams that are sagging, bulging, caved or deflected in the slab by more than 1" | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                    |
| Have 6 cubes each for columns and slab casted and numbered for testing?                   |  |
| Remarks:  |  |

|   |   |
|---|---|
| <u>Curing.</u>  |   |
| Bunds for curing made on slab?  | <input type="checkbox"/> Yes <input type="checkbox"/> No  |
| Bund size is less than 100 sft?   | <input type="checkbox"/> Yes <input type="checkbox"/> No  |
| Drum (200 lbs) provided for curing?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                 |
| Gunny bags used for column curing?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |
| Distance of tap from furthest distance that requires curing. (max permitted 100') | 40'-0"  |
| Frequency of curing in number of times a day (enquire from labourers)             | 3 times   |
| Is the pressure in the curing pipe more than 15' head?                            | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |
| Quality of infrastructure for curing.   | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Avg. <input type="checkbox"/> Bad |
| Remarks:  |   |

**Quality Control Check Report. Stage: After Column Casting (villas)**

Columns height, plumb, steel & level marking check.

Notes:

1. Mark ✓ for correct or minor mistake which does not require correction
2. Mark ✗ for minor mistake that requires minor correction.
3. Mark ✗✗ for major mistake that requires correction by replacement or re-fixing.
4. Mark ✗✗✗ for major mistake that cannot be corrected.
5. Tolerance: Plumb 0.25"
6. Circle actual height of columns if level differs from specified height by more than 1"

| S No | Col No.                          | Col type       | Height in ft |           | Steel (✓ or ✗) |              | Honeycombs | Plumb (✓ or ✗) |        | Reference level marked on column?                                   |
|------|----------------------------------|----------------|--------------|-----------|----------------|--------------|------------|----------------|--------|---|
|      |                                  |                | Spec.        | Actual    | No of rods     | Size of rods |            | Side 1         | Side 2 |   |
| 1.   | A <sub>1</sub>                   | C <sub>1</sub> | 8'-7"        | 8'-6"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2.   | A <sub>2</sub>                   | C <sub>1</sub> | 8'-7"        | 8'-7"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3.   | A <sub>3</sub>                   | C <sub>2</sub> | 8'-7"        | 8'-6"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4.   | A <sub>4</sub>                   | C <sub>1</sub> | 8'-4"        | 8'-3 1/2" | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5.   | B <sub>1</sub><br>B <sub>2</sub> | C <sub>1</sub> | 8'-4"        | 8'-3"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6.   | C <sub>1</sub>                   | C <sub>1</sub> | 8'-7"        | 8'-6"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7.   | C <sub>2</sub>                   | C <sub>1</sub> | 8'-7"        | 8'-6 1/2" | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8.   | C <sub>4</sub>                   | C <sub>2</sub> | 8'-7"        | 8'-7"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 9.   | C <sub>7</sub>                   | C <sub>2</sub> | 8'-7"        | 8'-6"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 10.  | D <sub>1</sub>                   | C <sub>1</sub> | 8'-4"        | 8'-5"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 11.  | D <sub>2</sub>                   | C <sub>1</sub> | 8'-4"        | 8'-4"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 12.  | D <sub>5</sub>                   | C <sub>2</sub> | 8'-7"        | 8'-6"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 13.  | D <sub>7</sub>                   | C <sub>2</sub> | stairs       | stairs    | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 14.  | D <sub>8</sub>                   | C <sub>1</sub> | stairs       | stairs    | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 15.  |                                  |                |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 16.  |                                  |                |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 17.  |                                  |                |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 18.  |                                  |                |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 19.  |                                  |                |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 20.  |                                  |                |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |