

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

|   |                 |            |                                |             |   |
|---|-----------------|------------|--------------------------------|-------------|---|
| Block No.   | 163             | Column No. | 03                             | Sl. No.     | 30998   |
| Company   | Nilgiri Estates | Project    | Nilgiri Estates                | Phase       | II  |
| Prepared by   | V. Sanketh      | Sign       | V. Sanketh                     | Date        | 30/7/18   |
| Project Manager   | Madhusudhan     | Sign       | M. Madhusudhan                 | Date        | 30/7/18   |
| Previous stage report no.   |                 |            | Report filed and signed by PM? |             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Checked By MD on  |                 | MD Sign    |                                | For filling | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| Recommendation:<br><input type="checkbox"/> Stop further work. Submit ATR on QC report to QC team. Proceed only after recheck by QC.<br><input type="checkbox"/> Stop further work. Proceed with work after submitting ATR on QC report to QC team.<br><input checked="" type="checkbox"/> Proceed with further work only after making corrections pointed out in the QC report. ATR not required.<br><input type="checkbox"/> 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.

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Specified thickness of slab?         | 5"  |
| Actual thickness of slab?            | 5"  |

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

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

|   |   |
|---|---|
| <u>Curing.</u>  |   |
| Bunds for curing made on slab?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |
| Bund size is less than 100 sqft?  | <input checked="" 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') | 10'   |
| Frequency of curing in number of times a day (enquire from labourers)             | 2 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: <u>NOTE: level markings for columns are not done.</u>                    |   |

**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.   | A7      | C1       | 8'-7 1/2"    | 8'-5 1/2" | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 2.   | A9      | C1       | 8'-7 1/2"    | 8'-7"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No            |
| 3.   | B7      | C1       | 8'-7 1/2"    | 8'-5"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No            |
| 4.   | C8      | C1       | 8'-7 1/2"    | 8'-5"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No            |
| 5.   |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No                       |
| 6.   |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No                       |
| 7.   |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No                       |
| 8.   |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No                       |
| 9.   |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No                       |
| 10.  |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No                       |
| 11.  |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No                       |
| 12.  |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No                       |
| 13.  |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No                       |
| 14.  |         |          |              |           |                |              |            |                |        | <input 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                       |