

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

|                           |                |                                |                |   |  |
|---------------------------|----------------|--------------------------------|----------------|---|--|
| Block No.                 | 153            | Column No.                     | 2              | Sl. No.   | 30511  |
| Company                   | Nigizi Estates | Project                        | Nigizi Estates | Phase   | II   |
| Prepared by               | P. Sai Kumar   | Sign                           | M. S. S.       | Date  | 12/6/18  |
| Project Manager           | Mohankumar     | Sign                           | M. S. S.       | Date  | 12/6/18  |
| Previous stage report no. | 30321          | 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:**

- 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?  Yes  No
- |                              |       |                           |       |
|------------------------------|-------|---------------------------|-------|
| Specified thickness of slab? | 4.15" | Actual thickness of slab? | 4.15" |
|------------------------------|-------|---------------------------|-------|

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|   |  |  |
|---|--|--|
| 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 is slab and columns packed?   |  |  |
| 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>  |   |  |
| Bands for curing made on slab?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |  |
| Band size is less than 100 ft?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |  |
| Drum (200 lbs) provided for curing?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                 |  |
| Thinny bags used for column curing?   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |  |
| Distance of tap from farthest distance that requires curing. (max permitted 100') | 20 - 0 "  |  |
| 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:  |   |  |

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**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 ✗) | Size of rods | Honeycombs | Plumb (✓ or ✗) |        | Reference level marked on column?                                   |
|------|---------|----------|--------------|--------|----------------|--------------|------------|----------------|--------|---|
|      |         |          | Spec.        | Actual |                |              |            | Side 1         | Side 2 |   |
| 1.   | A1      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2.   | A3      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3.   | A5      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4.   | A7      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5.   | A8      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6.   | B1      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7.   | B2      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8.   | B3      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 9.   | B4      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 10.  | B5      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 11.  | B6      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 12.  | B7      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 13.  | B8      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 14.  | B9      | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 15.  | B10     | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 16.  | B11     | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 17.  | B12     | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 18.  | B13     | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 19.  | B14     | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 20.  | B15     | C1       | 8.25         | 8.25   | ✓              | ✓            | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |