



SUPERSTRUCTURES
PROJECT MANAGEMENT CONSULTANTS

MONTHLY PROGRESS REPORT

JULY, 2017



RAS OFFICERS' INSTITUTE (CLUB HOUSE)

(2, institutional Area, Near DainikBhaskar, Jaipur)

Developers: M/S RAS Officers' Institute

2, institutional Area, Near DainikBhaskar-Jaipur

SUPERSTRUCTURES (PROJECT MANAGEMENT CONSULTANTS)

Office No. 40, 4th floor, Trinita Mall, Swage Farm, New Sanganer Road, Jaipur

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Project Highlights

Total Built up Area: - 1, 20,000Sq.ft

Total Floor of Project: -2 Basement + 6 Floors

Builders & Developers

M/S RAS Officers' Institute,

Registered office at 2, institutional Area,

Near Dainik Bhaskar-Jaipur(Raj.)

Consultants& Management Team

Architectural Consultant

Architect Design & Services (ADS)

E-6B, Hanuman Path,

New Sanganer Road Sodala-Jaipur

Mr. Lokesh Joshi:91-9680282624.

Project Management Consultants

M/S SUPERSTRUCTURES

Office No. 40, 4th Floor, Trinity Mall,

New Sanganer Road, Jaipur

Phone: 91-9314932438, 0141 5106606

Structural Consultant

M/S SANRACHNA

S-41,AMBA BARI, JAIPUR SANRACHNA

Mr. SandeepGarg Mob: 91-9799496696Mr.

MEP Consultant

M/S Cube Consultant

A-8, Jamna Nagar Sodala-Jaipur

Sanjay Vajpayee Mob: 91-9214308430

Contractor Agencies

Civil Contractor

M/S H. R. Gwala

F9/465, Chitrakoot, Vaisali Nagar-Jaipur

Mr. H.R. Gwala Mob:91-9783940001






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Distribution to:-

- (i) RASO'I**
- (ii) Architect Design & Services (ADS)-Architectural Consultant**

EXECUTIVE SUMMARY

-  Excavation of raft foundation in progress.
-  PCC for raft foundation in progress.
-  Column raft foundation in progress.
-  Retaining wall of lower basement in progress.
-  Columns Concrete Casting of lower basement in progress.

PROJECT VIEW as on 01st August'17



MILESTONES ACHIEVED

(i) At Execution Level:-

- (i) Layout of columns & retaining wall 85% completed.
- (ii) Bar binding of column & retaining wall 50% completed.
- (iii) Bar binding of raft foundation 85% completed.
- (iv) Concreting of raft foundation 85% completed.
- (v) Concreting of columns & retaining wall 40% completed.
- (vi) Shuttering work of columns & retaining wall 40% completed.

At Decision Level:-

- (i) Electrical work (on labour basis) tender documents prepare& floated.
- (ii) Water proofing work (with material) tender documents prepare& floated.
- (iii) Piling work cancelled on Town planning building side. Common boundary wall dismantled to create working space.
- (iv) Mass concreting will be done by using RMC.
- (v) Plot will be cordon by steel sheets from front side and town planning building side

MANPOWER DEPLOYED AT SITE STATUS

Total Manpower Deployed at Site by different Agencies / Vendors

| Manpower Details Till 31th July '17 | | | | | |
|---|---------------------------|-------------------------|----------------|------------------|--------------|
| S. No. | Name of Contractor | Work | Skilled | Unskilled | Total |
| 1 | H.R. Gwala | Miss. Work/Raft casting | 45 | 197 | 242 |
| 2 | Robin/ (H.R. Gwala) | Bar Binding | 198 | 132 | 330 |
| 3 | Raju/(H.R. Gwala) | Shuttering | 86 | 78 | 164 |
| Total | | | 329 | 407 | 736 |

STEEL& CEMENT STATUS**A. Steel Received & Consumed Details in July '17**

| Diameter of Bar | Received Till Date (MT) | Received in June'17 (MT) | Consumed in July'17 (MT) | Total Consumed till Date (MT) | Balance at Site as on 31.07.17 (MT) |
|------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------------|--|
| 8mm | 16.97 | 0.00 | 7.88 | 7.88 | 9.09 |
| 10mm | 30.15 | 0.00 | 11.22 | 11.22 | 18.93 |
| 12mm | 48.8 | 0.00 | 36.23 | 36.23 | 12.57 |
| 16mm | 20.74 | 0.00 | 13.934 | 13.934 | 6.80 |
| 20mm | 3.74 | 0.00 | 2.27 | 2.27 | 1.47 |
| 25mm | 8.41 | 0.00 | 3.13 | 3.13 | 5.28 |
| 32mm | 18.81 | 0.00 | 10.68 | 10.68 | 8.13 |
| Total (MT) | 147.62 | 0.00 | 85.344 | 85.344 | 62.27 |

B. Cement Consumed & Received Details in month of July '17

| Received Till Date (Bags) | Location | Received in July '17 (Bags) | Consumed Till Date (Bags) | Consumed in July'17 (Bags) | Balance at Site as on July 31th'17 (Bags) |
|----------------------------------|-----------------|------------------------------------|----------------------------------|-----------------------------------|---|
| 1250 | At Site | 1250 | 690 | 690 | 560 |
| 4561 | At RMC Plant | 4561 | 3460 | 3865 | 696 |

PROPOSED SCHEDULES FOR THE MONTH OF AUGUST '17

Following Activities are planned for the Month of August '17

- (i) Back filling & compaction of soil outside retaining wall.
- (ii) Lower basement column & retaining wall concerting work.
- (iii) Lower basement roof slab Shuttering & bar binding work.
- (iv) Lower basement roof slab casting.
- (v) Column concerting (casting) lower basement roof slab to ground floor roof slab (up to ground level).

STEEL & CEMENT REQUIREMENT FOR THE MONTH OF AUGUST'17

A. Steel Requirement Detail for the Month of August'17

| S. No. | Location of Use | Dia. Of Bars | # Required Quantity (MT) | Available at Site (MT) | Net Required Quantity (MT) |
|--------------------------------|--|--------------|--------------------------|------------------------|----------------------------|
| 1. | Lower basement roof slab & Ground floor column | 8mm | 12.09 | 9.09 | 3 |
| | | 10mm | 39.93 | 18.93 | 21 |
| | | 12mm | 12.57 | 12.57 | 00 |
| | | 16mm | 7.80 | 6.80 | 1 |
| | | 20mm | 7.47 | 1.47 | 6 |
| | | 25mm | 21.28 | 5.28 | 16 |
| | | 32mm | 24.13 | 8.13 | 16 |
| Total Qty Required (MT) | | | 125.27 MT | 62.27MT | 63.00 MT |

B. Cement Requirement Detail for the Month of August '17**(i) Cement (PPC) At site**

| S. No. | Description of Work | Qty. | Unit | Coefficient | Quantity Reqd. (Bags) |
|---|---------------------------|------|------|-------------|-----------------------|
| 1 | PCC & RCC Work | | | | |
| (i) | Balance Area of PCC | 56 | cum | 3.4 | 194.4 |
| (ii) | Retaining wall & Column | 110 | cum | 7.08 | 778.8 |
| (ii) | Lower basement roof slab | 307 | cum | 7.08 | 2173.56 |
| Total Required Bags of Cement for the Month of July'17 | | | | | 3146.76 |
| Total Available Bags of Cement at Site | | | | | 550 |
| Net Required Bags of Cement for the Month of Aug. '17 | | | | | 2596.76 |
| Say | | | | | 2600 Bags |

(ii) Cement (OPC) at RMC Plant

| S. No. | Description of Work | Qty. | Unit | Coefficient | Quantity Reqd. (Bags) |
|--|------------------------|------|------|-------------|-----------------------|
| 1 | Raft Foundation | 240 | Cum | 5.00 | 1200 |
| Total Required Bags of Cement for the Month of August '17 at Site & RMC Plant | | | | | 3800 Bags |

C. Weekly Material Procurement Schedule month of August '17

| WEEKLY MATERIAL REQUIREMENT SCHEDULE FOR THE MONTH OF AUGUST '17 | | | | | | | |
|---|----------------------|----------|----------|----------|----------|----------------|------------------------------|
| S. NO. | MATERIAL DESCRIPTION | 1st WEEK | 2nd WEEK | 3rd WEEK | 4th WEEK | TOTAL QUANTITY | Remarks (if any) |
| 1 | Steel | - | 63.00 | - | - | 63MT | For lower basement roof slab |
| 2 | Cement(PPC) | - | - | 2600 | - | 2600Bags | |
| 3 | Cement (OPC) | | 1200 | - | - | 1200 Bags | |

DRAWING STATUS**List of Drawings Received in the Month of June & July '17**

Following Drawings Received from Architect Design & Services (ADS) by PMC Engineer and issued to concerning Contractors at site.

| S.No | Date of Received | Drawing Title | Drawing No. | Revision No. | Require on OR before date |
|------|------------------|--|------------------------------|--------------|---------------------------|
| 1 | 02.06.2017 | Excavation | 176/BEP/01 | | 02/06/2017 |
| 2 | 18.06.2017 | Column Layout Plan A/C | | | 16/06/2017 |
| 3 | 18.06.2017 | Retaining Wall Section | | | 16/06/2017 |
| 4 | 18.06.2017 | Site Seating out Layout Plan | | | 15/06/2017 |
| 5 | 18.06.2017 | Column Schedule | | | 15/06/2017 |
| 6 | 18.06.2017 | UG Water Tank Section | | | 16/06/2017 |
| 7 | 18.06.2017 | Raft Section Detail | | | 15/05/2017 |
| 8 | 05.07.2017 | Column Layout Plan | 176/RASC/Excavator/01A | 02 | 05/07/2017 |
| 9 | 05.07.2017 | Sump Layout Plan | 01A(A)176/RASC/Excavator/01A | 01A | 04/07/2017 |
| 10 | 05.07.2017 | Development Length & detail | 01A(A)176/RASC/Excavator/01A | | 04/07/2017 |
| 11 | 05.07.2017 | General note's /Details | S-0A | | 15/01/2017 |
| 12 | 05.07.2017 | Sump plan and Section Details | 176/RASC/Excavator/01A(B) | 01A(B) | 04/07/2017 |
| 13 | 05.07.2017 | U.G Water Tank Detail | 176/RASC/UGS/T04 | 04 | 05/07/2017 |
| 14 | 05.07.2017 | Typical Arrangement of Columns Detail | | | 29/06/2017 |
| 15 | 14.07.2017 | Shuttering plan (Lower Basement) | 176/RASC/LBS07 | 07 | 12/07/2017 |
| 16 | 14.07.2017 | Ramp Section Detail | 176/RASC/RSD03 | 03 | 12/07/2017 |
| 17 | 17.07.2017 | Basic Height Section | 176/RASC/BHSC/08 | 08 | 15/07/2017 |
| 18 | 21.07.2017 | Staircase from Lift leveling to Second floor | 176/RASC/STAIR/05 | 05 | 20/07/2017 |
| 19 | 21.07.2017 | Lower Basement Slab Shuttering Plan | 176/RASC/CBS/07 | | 20/07/2017 |
| 20 | 21.07.2017 | Staircase-2 Detail (lower Basement) | 176/RASC/STAIR/05 A | | 20/07/2017 |
| 21 | 22.07.2017 | Lower Basement Roof Detail | | | 20/07/2017 |
| 22 | 22.07.2017 | Lower Basement Roof Detail | | | 20/07/2017 |
| | | | | | |

List of Drawings Required in August'17

Following Drawings are required at site in the Month of August '17

| S. No. | Drawing Title | Date of Required |
|---------------|---|-------------------------|
| 1 | Lower Basement floor electric plan | 25.07.2017 |
| 2 | Lower Basement Drainage Works | 25.07.2017 |
| 3 | Lower Basement floor Sleeves Detail | 25.07.2017 |
| 4 | Under Ground Water Tank Puddle flange details | 10.07.2017 |
| 5 | Puddle Flange Location in UG Tank Detail | 10.07.2017 |
| 6 | Lower Basement Floor Plan | 25.07.2017 |
| 7 | Swimming Pool Plan Drawing (A/C) | 25.07.2017 |
| 8 | Revised Raft Details & Section | 10.08.2017 |
| 9 | Upper Basement Roof Slab Shuttering Plan | 10.08.2017 |
| 10 | Upper Basement Roof Slab & Beam R/F Detail | 10.08.2017 |
| 11 | Upper Basement to G.F. stair detail | 10.08.2017 |
| 12 | Upper Basement floor electric plan | 20.08.2017 |
| 13 | Upper Basement Drainage Works | 25.08.2017 |
| 14 | Upper Basement Floor Plane | 25.08.2017 |
| 15 | All Floors D/W Schedule (Advance Copy) | 25.08.2017 |
| 16 | Swimming Pool Working Drawing | 25.08.2017 |
| 17 | Ground Floor Roof Slab Shuttering Plan | 30.08.2017 |
| 18 | Ground Floor Roof Slab & Beam R/F Detail | 30.08.2017 |
| | | |

PROGRESS PHOTOGRAPHS

Site View 17 June '17



Site View 25 June '17





Project View 30 June-17




Site View 31 July 2017



Material Testing Report (Coarse Aggregate)

|  TRIANGLE RMC (A Division Of Triangle Engineers Pvt Ltd.) | | | | | QC | |
|--|-----------------------------|------------|----------------|--------------|----------------------|---------|
| TEST FOR AGGREGATES | | | | | | |
| SIEVE ANALYSIS OF COARSE AGGREGATE | | | | | | |
| (IS: 383/2386) | | | | | | |
| Location | RMC Plant - Sitapura Jaipur | | | Date | 04-Jul-17 | |
| Source | Ugriwas | | | | | |
| Size | 20 MM | | | | | |
| IS Sieve mm | Weight retained gms | % Retained | Cum % Retained | Cum% Passing | As per IS 383 Limits | Remarks |
| 40.000 | 0 | 0 | 0 | 100 | 100 | |
| 20.000 | 312 | 9.25 | 9.25 | 90.75 | 85-100 | |
| 10.000 | 2805 | 83.19 | 92.44 | 7.56 | 0-20 | |
| 4.750 | 205 | 6.08 | 98.52 | 1.48 | 0-5 | |
| pan | 50 | 1.48 | 100 | 0 | - | |
| Total = | 3372 | | | | | |
| Size 10 MM | | | | | | |
| IS Sieve mm | Weight retained gms | % Retained | Cum % Retained | Cum% Passing | As per IS 383 Limits | Remarks |
| 12.500 | 0 | 0 | 0 | 100 | 100 | |
| 10.000 | 250 | 13.12 | 13.12 | 86.88 | 85-100 | |
| 4.750 | 1545 | 81.1 | 94.23 | 5.77 | 0-20 | |
| 2.360 | 70 | 3.67 | 97.9 | 2.1 | 0-5 | |
| pan | 40 | 2.1 | 100 | 0 | - | |
| Total = | 1905 | | | | | |
| Test accepted / rejected under clause 4.3(Table -4) of IS 383 - 1970 | | | | | | |
|  | | | | | | |

Material Testing Report (Fine Aggregate)

| TRIANGLE RMC (A Division Of Triangle Engineers Pvt Ltd.) | | QC | | | | |
|---|-------------------------------|------------|----------------|--------------|----------------------|---------|
| TEST FOR AGGREGATES | | | | | | |
| SIEVE ANALYSIS OF FINE AGGREGATE (IS: 383/2386) | | | | | | |
| Location | : RMC Plant - Sitapura Jaipur | Date | : 03-Jul-17 | | | |
| Source | : Banas | | | | | |
| Size | : Natural Sand | | | | | |
| IS Sieve mm | Weight retained gms | % Retained | Cum % Retained | Cum% Passing | As per IS 383 Limits | Remarks |
| 10.000 | 0 | 0 | 0 | 100 | 100 | |
| 4.750 | 41 | 4.31 | 4.31 | 95.69 | 90-100 | |
| 2.360 | 170 | 17.86 | 22.16 | 77.84 | 75-100 | |
| 1.180 | 184 | 19.33 | 41.49 | 58.51 | 55-90 | |
| 0.600 | 202 | 21.22 | 62.71 | 37.29 | 35-59 | |
| 0.300 | 240 | 25.21 | 87.92 | 12.08 | Aug-30 | |
| 0.150 | 85 | 8.93 | 96.85 | 3.15 | 0-10 | |
| pan | 30 | 3.15 | 100 | 0 | | |
| Total = 952 | | | | | | |
| Grading Zone | | = | II | | | |
| Silt By Weight | | = | 1.50% | | | |
| Silt By Volume @ 3 Hrs | | = | 4.10% | | | |
| Fineness Modulus | | = | 3.15 | | | |
| Test accepted / rejected under clause 4.3(Table - 4) of IS 383 - 1970 | | | | | | |
|  | | | | | | |

Cube Testing Result Sheet

| PROJECT :- RASO'I-Jaipur | | | | | | | | | | | | | | | | |
|---------------------------|--|-----------------|-------|--------------------------|-----------|-------------------------------------|---|---|---------------------------|-----------|---------------------------------------|--|---|----------|-----------------|--------|
| Cube Testing Result-Sheet | | | | | | | | | | | | | | | | |
| SNo. | Location | Date of Casting | Grade | Date of Testing (7 Days) | Cube Mark | Required Strength of 7Day's (N/mm2) | Compressive Strength Achieved of 7Day's (N/mm2) | Average Comp. Strength Achieved of 7Day's (N/mm2) | Date of Testing (28 Days) | Cube Mark | Required Strength of 28 Day's (N/mm2) | Compressive Strength Achieved of 28Day's (N/mm2) | Average Comp. Strength Achieved of 28 Day's | Sig. PMC | Sig. Contractor | Remark |
| 1 | Raft Foundation (at Grid X6-X13 & Y2-Y5) | 05.07.2017 | M25 | 12.07.2017 | 1 | | 22.89 | 22.89 | 02.08.2017 | 4 | 25.00 | | | Sd/- | Sd/- | |
| | | | | | 2 | 17.50 | 23.33 | | | 5 | | | | | | |
| | | | | | 3 | | 22.44 | | | 6 | | | | | | |
| 2 | Raft Foundation (at Grid X6-X13 & Y2-Y5) | 06.07.2017 | M25 | 13.07.2017 | 1 | | 24.57 | 29.45 | 03.08.2017 | 4 | 25.00 | | | Sd/- | Sd/- | |
| | | | | | 2 | 17.50 | 32.40 | | | 5 | | | | | | |
| | | | | | 3 | | 31.40 | | | 6 | | | | | | |
| 3 | Column Pedestal & Lift Pit | 11.07.2017 | M25 | 18.07.2017 | 1 | | 23.56 | 23.78 | 08.08.2017 | 4 | 25.00 | | | Sd/- | Sd/- | |
| | | | | | 2 | 17.50 | 23.78 | | | 5 | | | | | | |
| | | | | | 3 | | 24.00 | | | 6 | | | | | | |
| 4 | Raft Foundation (at Grid Y5-Y11 & X12-X18) | 13.07.2017 | M25 | 20.07.2017 | 1 | | 22.44 | 22.37 | 10.08.2017 | 4 | 25.00 | | | Sd/- | Sd/- | |
| | | | | | 2 | 17.50 | 22.89 | | | 5 | | | | | | |
| | | | | | 3 | | 21.78 | | | 6 | | | | | | |
| 5 | Raft Foundation (at Grid X10-X12 & Y12-Y18) | 14.07.2017 | M25 | 21.07.2017 | 1 | | 21.56 | 21.93 | 11.08.2017 | 4 | 25.00 | | | Sd/- | Sd/- | |
| | | | | | 2 | 17.50 | 22.22 | | | 5 | | | | | | |
| | | | | | 3 | | 22.00 | | | 6 | | | | | | |
| 6 | Raft Foundation (at Grid X11-X12 & Y15-Y18) | 15.07.2017 | M25 | 22.07.2017 | 1 | | 23.56 | 23.11 | 12.08.2017 | 4 | 25.00 | | | Sd/- | Sd/- | |
| | | | | | 2 | 17.50 | 23.11 | | | 5 | | | | | | |
| | | | | | 3 | | 22.67 | | | 6 | | | | | | |
| 7 | Raft Foundation (at Grid X10-X12 & Y12-Y18) | 19.07.2017 | M25 | 26.07.2017 | 1 | | 21.11 | 21.56 | 16.08.2017 | 4 | 25.00 | | | Sd/- | Sd/- | |
| | | | | | 2 | 17.50 | 21.56 | | | 5 | | | | | | |
| | | | | | 3 | | 22.00 | | | 6 | | | | | | |
| 8 | Raft Foundation (at Grid Y11-Y13 & X12-X18) | 31.07.2017 | M25 | 07.08.2017 | 1 | | | | | 4 | 25.00 | | | | | |
| | | | | | 2 | 17.50 | | | | 5 | | | | | | |
| | | | | | 3 | | | | | 6 | | | | | | |

Check List Month of July-2017

Checklist for Layout

PROJECT: R.A.S. officers club Jodhpur

Sheet no. _____

| S.No | Description | Details/Comments | |
|------|---|--|-----------------------------|
| | | Date of Checking | Remarks |
| | | 30/6/17 | 01/07/2017 - On PCC Surface |
| | | Level/Location: X8-X17 | X8-X17 |
| | | Y2-Y4 | X4-Y10 |
| 1 | All corners of the boundary wall marked permanently on site and its extension transferred on temporary locations. | Yes | Yes |
| 2 | All set backs are clearly mentioned in drawings and marked on site. | | |
| 3 | All Grid Lines marked and checked by 200' square tape at site. | Yes | Yes |
| 4 | All Grid Lines are cross checked by TS survey at site. | Yes | Yes |
| 5 | Final Transfer in basement of PCC are checked by TS and level tape. | Yes | Yes |
| 6 | All reference points of TS are clearly marked in situ and well protected from construction activities. | Yes | Yes |
| 7 | Drawing Completely match with site. | Yes | Yes |
| 8 | Checked by Contractor Engg./Site in charge | <i>Signature</i> | <i>Signature</i> |
| 9 | Checked by Client/Project Engg. | | |
| 10 | Approved by PMC Pro. Manager | <i>Signature</i> H. Singh 21/7/17 (PMC) | |

Page no. _____

Checklist for Preparation and Placement of PCC

PROJECT: R.A.S. officers club house Jodhpur

Sheet No. _____

| S.No | Description | Date | Details |
|------------------------------------|--|--------------------------------------|---------|
| | | 2/7/17 | |
| | | Location: X16-Y12 & X6-X18 | |
| (A.) Material: | | | |
| 1 | Silt content in coarse sand checked and found within permissible limit. | Yes | |
| 2 | Grading of coarse and fine aggregates checked. | Yes | |
| 3 | Water used from approved source. | Yes | |
| 4 | Cement is of approved make and manufacturer's certificate obtained. | Yes (Make - quality certificate PCC) | |
| (B.) Preparation of Mix: | | | |
| 5 | Concrete mix is in uniform colour and workable consistency. | Yes | |
| 6 | Content of cement, coarse and fine aggregate, water / cement ratio, slump, workability, temperature at the date of mixing checked. | Yes | |
| (C.) Placement of Concrete: | | | |
| 7 | Method of placement and placing equipment to be used. | Yes | |
| 8 | Spilled concrete not to be used. | Yes (70% used) | |
| 9 | Methods employed for curing of concrete and cured continuously for recommended period. | Yes | |
| 10 | Slump test of concrete done. | - | |
| 11 | Shuttering levels as well as top surface of concrete and supporting formwork checked. | Yes | |
| 12 | Maximum permissible thickness of concrete is 1.5m. | | |
| | Checked by Contractor Engg./site in charge | <i>Signature</i> | |
| | Checked by Client Engg. & approved for pouring | | |
| | Approved by PMC Pro. Manager | | |

page no. _____

Checklist for Reinforcement

PROJECT: RAS OFFICERS CLUB - JAIPUR

Sheet No. -

| S. No. | Description | Details | | | | | | | |
|--------|---|---------|---------|----------|----------|----------|----------|----------|----------|
| | | Date | 11/4/17 | 11/11/17 | 11/11/17 | 14/11/17 | 18/11/17 | 18/11/17 | 18/11/17 |
| 1. | No oily substance used for removal of rust prior to assembly of reinforcement. | checked | checked | checked | checked | checked | checked | checked | checked |
| 2. | Overlaps / splices staggered but in no case the overlapping is to be provided more than 50 % cross-sectional area at one section and bound together at intervals not exceeding twice dia. of such bars. | checked | checked | checked | checked | checked | checked | checked | checked |
| 3. | Binders, stirrups, links etc., the straight portions behind the curve not less than 8 times the nominal size of bar. Bar crossing one another tied at every intersection. | checked | checked | OK | checked | checked | checked | checked | checked |
| 4. | Chairs, separators and spacer bars provided as per the drawings. | checked | checked | checked | checked | checked | checked | checked | checked |
| 5. | Clear cover maintained & cover blocks are placed properly. | checked | checked | checked | checked | checked | checked | checked | checked |
| 6. | Spacing of bars as per schedule | checked | checked | checked | checked | checked | checked | checked | checked |
| 7. | Alignment of bars maintained. | checked | checked | checked | checked | checked | checked | checked | checked |
| 8. | Bar - bending schedule approved & followed | checked | checked | checked | checked | checked | checked | checked | checked |
| 9. | Checked by client <u>Project Engg of Consultant</u> | checked | checked | checked | checked | checked | checked | checked | checked |
| 10. | Approved by Pro. Manager | checked | checked | checked | checked | checked | checked | checked | checked |

SUPERSTRUCTURES

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COMMENTS / REMARKS -

① 5/4/17 :- Column layout checked by Architect (Ref. checking Register - Pg. at Page No. 01)

② 5/11/17 :- Reinforcement of steel for Raft, Column and Retaining wall checked by Structural Engineers (Ref. checking Register - Pg. at Page No. 02)

10/11/17 Column layout with lift pit and shaft case - layout checked by Architect (Ref. checking Register - Pg. at Page No. 01)

31/7/2017 Column layout (Column nos. C2, C3, C4) and R/F of Raft Foundation at level Y1-Y3/X1-X2 checked by Structural Engineers / Architect (Ref. checking Register - Pg. at Page No. 02)

SUPERSTRUCTURES

Page No. -

| SUPERSTRUCTURES PROJECT MANAGEMENT CONSULTANTS | | FOUR CARD RCC | |
|---|--|--|---|
| Name of Work: RAS officers-Institute | | Checklist No. | Date: 13/07/2017 |
| Contractor: HR. Inawala | | Orgs Ref: Raft Detail (15/6/17) | |
| Location: Raft Foundation | | Quantity (M3): 1260 cu.m. | Mix Grade: M-25 |
| | | 1ST INSPECTION Date: 13/07/2017 Time: 2:00 PM | 2ND INSPECTION Date: 13/07/2017 Time: 7:00 PM |
| Points to Check | | Action Req. | Action Req. |
| FORM WORK | 1. Dimensions, level & Plumb | <input checked="" type="checkbox"/> | |
| | 2. Tightness & Rigidity | <input checked="" type="checkbox"/> | |
| | 3. Step / Drop Formwork | <input checked="" type="checkbox"/> | |
| | 4. Cleanliness | <input checked="" type="checkbox"/> NOT MAINTAINED | <input checked="" type="checkbox"/> checked |
| | 5. Shutter Release Agent | | |
| REBAR | 1. Approval of scaffolding scheme | <input checked="" type="checkbox"/> | |
| | 2. No of bars & Laps as per BBS | <input checked="" type="checkbox"/> | |
| | 3. Cleanliness | <input checked="" type="checkbox"/> | |
| | 4. Covers & Binding Rigidity | <input checked="" type="checkbox"/> NOT MAINTAINED | <input checked="" type="checkbox"/> Completed |
| GENERAL | 1. Box Cuts | N/A | |
| | 2. Pipe Sleeves | N/A | |
| | 3. Embedded Items / Electrical Conduits | N/A | |
| | 4. Quality of Bulk Materials / RMC | | |
| | 5. Plasticizers / Additives | | |
| | 6. Expansion Joint Provisions if any | N/A | |
| | 7. Existing Concrete Hacking & Cleaning | <input checked="" type="checkbox"/> NOT OK | <input checked="" type="checkbox"/> OK |
| | 8. Special treatments in existing surface | | |
| | 9. Lighting arrangements for illumination | | |
| EHS | 1. PPE to workers provided | <input checked="" type="checkbox"/> | |
| | 2. Safe Working platform for pouring | <input checked="" type="checkbox"/> | |
| | 3. Safety nets / Ho lines / shaft closures | N/A | OK |
| | 4. Safe access/ Approach to location | <input checked="" type="checkbox"/> | |
| | 5. Aware of Emergency Exit Plan by all | <input checked="" type="checkbox"/> | |
| | 6. Electrical Safety is ensured | <input checked="" type="checkbox"/> | |
| CLEARANCE | | | |
| Clearance for Concreting | | PMC: Valid | Contractor |
| Clearance Date: 13/7/17 | | | |
| POST CONCRETING | Pour Start Date & Time: 13/7/17 - 2:00 PM | Nb. of Cubes Taken: 6 | Cube ID Numbers |
| | Pour End Date & Time: 13/7/17 - 7:30 PM | Average Slump(MM): 110-125 | |
| | Method of Pouring & Vibration | <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> To Improve | Arrangement for Curing / Ponding |
| | Stability of Formwork after Pour | <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> To Improve | Others (Specify): |
| | Line, Level & Finishing | <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> To Improve | |
| Observations / Remarks: | | | |
| Task End Date: | | | |
| Contractor: [Signature] | Project Engineer (CLIENT) | Project Manager (PMC): [Signature] | |

Valid 13/7/17

| SUPERSTRUCTURES | | FOUR CARD RCC | | | |
|---|--|--|----------------------------------|----------------------------------|--------------------------------|
| Name of Work: RAS OFFICERS INSTITUTE | | Checker No: 54 - Date: 14/7/17 | | | |
| Contractor: HR Concrete | | Days: 14 | | | |
| Location: PWT Foundation at Grid X10-XB/ Y12-Y18 | | Quantity (M ³): 182 cu.m | | Mix Grade: M-25 | |
| | | EST INSPECTION | | FAC INSPECTION | |
| | | Date: 14/7/17 | | Date: 14/7/17 | |
| | | Time: 11:50 AM | | Time: 4:30 PM | |
| | | Action Plan: | | Action Plan: | |
| Points to Check | | REMARKS | | | |
| FORMWORK | 1. Dimensions, level & Plumb | ✓ | | | |
| | 2. Tightness & Rigidity | ✓ | | | |
| | 3. Slope / Drop Formwork | ✓ | | | |
| | 4. Clearances | X | clearance to be provided | ✓ | checked |
| | 5. Shutter Release Agent | ✓ | | | |
| | 6. Approval of scaffolding scheme | ✓ | | | |
| REBAR | 1. Approved BBS available | ✓ | | | |
| | 2. No. of bars & Laps as per BBS | ✓ | | | |
| | 3. Clearances | ✓ | | | |
| | 4. Covers & Binding Rigidity | ✓ | | | |
| SEWING | 1. Bar Cuts | - | | | |
| | 2. Pipe Sleeves | - | | | |
| | 3. Embedded Items / Electrical Conduits | - | Not Required | ✓ | seen |
| | 4. Quality of Bulk Materials / RMC | ✓ | | | |
| | 5. Plasterers / Admixes | ✓ | | | |
| | 6. Expansion Joint Provisions if any | ✓ | | | |
| | 7. Existing Concrete Hacking & Clearing | ✓ | | | |
| | 8. Special treatments in existing surface | - | | | |
| | 9. Lighting arrangements for illumination | ✓ | | | |
| EHS | 1. PPE to workers provided | ✓ | | | |
| | 2. Safe Working platform for pouring | ✓ | | | |
| | 3. Safety nets / life lines / shaft closures | ✓ | | | |
| | 4. Safe access/ Approach to location | ✓ | | | |
| | 5. Aware of Emergency Exit Plan by all | - | | | |
| | 6. Electrical Safety is ensured | A | | ✓ | checked |
| Clearance for Concreting | | PMC | Contractor | | Clearance Date: 14/7/17 |
| POST CONCRETING | Pour Start Date & Time | 14/7/17 11:50 AM | No. of Cubes Taken | 6 | |
| | Pour End Date & Time | 14/7/17 3:15 PM | Average Slump (MM) | 120-130 | |
| | Method of Pouring & Vibration | <input checked="" type="checkbox"/> Adequate <input type="checkbox"/> To improve | Arrangement for Curing / Ponding | | |
| | Stability of Formwork after Pour | <input checked="" type="checkbox"/> Adequate <input type="checkbox"/> To improve | Others points | | |
| | Line, Level & Finishing | <input checked="" type="checkbox"/> Adequate <input type="checkbox"/> To improve | | | |
| | Observations / Remarks: | | | | |
| Contractor: HR | | Project Engineer (CLIENT) | | Project Manager (PMC): HR | |
| Task End Date: Vand 14/7/17 | | | | | |

| SUPERSTRUCTURES | | FOUR CARD | |
|--|--|--|-----------------------------------|
| RCC | | Checklist No. 05 Date: 15/7/17 | |
| Name of Work: RAS officers Institute | | Drgs Ref: | |
| Contractor: HB. Goshwami | | | |
| Location: Rect Foundation at Canal X11-112/415-418 | | Quantity (M ³): 7.0 cu.m. | |
| | | 1ST INSPECTION | 2ND INSPECTION |
| | | Date: 15/7/17 | Date: 15/7/17 |
| | | Time: 3:15 Pm | Time: 8:45 Pm. |
| Points to Check | | Action Req | Action Req |
| FORM WORK | 1. Dimensions, level & Plumb | <input checked="" type="checkbox"/> | |
| | 2. Tightness & Rigidity | <input checked="" type="checkbox"/> | |
| | 3. Stop / Drop Formwork | <input checked="" type="checkbox"/> | |
| | 4. Clearness | <input checked="" type="checkbox"/> | |
| | 5. Shutter Release Agent | <input checked="" type="checkbox"/> | cleaning not proper |
| | 6. Approval of scaffolding scheme | <input checked="" type="checkbox"/> | |
| REBAR | 1. Approved BBS available | <input checked="" type="checkbox"/> | |
| | 2. No of bars & Laps as per BBS | <input checked="" type="checkbox"/> | |
| | 3. Clearness | <input checked="" type="checkbox"/> | |
| | 4. Covers & binding rigidity | <input checked="" type="checkbox"/> | Covers not proper |
| GENERAL | 1. Box Out | <input checked="" type="checkbox"/> | |
| | 2. Pipe Sleeves | <input checked="" type="checkbox"/> | |
| | 3. Embedded items / Electrical Conduits | <input checked="" type="checkbox"/> | |
| | 4. Quality of Bulk Materials / RMC | <input checked="" type="checkbox"/> | |
| | 5. Plasterers / Admix | <input checked="" type="checkbox"/> | |
| | 6. Expansion Joint Provisions if any | <input checked="" type="checkbox"/> | |
| | 7. Existing Concrete Hacking & Cleaning | <input checked="" type="checkbox"/> | |
| | 8. Special treatments in existing surface | <input checked="" type="checkbox"/> | |
| | 9. Lighting arrangements for illumination | <input checked="" type="checkbox"/> | |
| EHS | 1. PIPE to workers provided | <input checked="" type="checkbox"/> | |
| | 2. Safe Working platform for pouring | <input checked="" type="checkbox"/> | |
| | 3. Safety nets / life lines / shaft closures | <input checked="" type="checkbox"/> | |
| | 4. Safe access/ Approach to location | <input checked="" type="checkbox"/> | |
| | 5. Aware of Emergency Exit Plan by all | <input checked="" type="checkbox"/> | |
| | 6. Electrical Safety is ensured | <input checked="" type="checkbox"/> | |
| CLEARANCE | | | |
| Clearance for Concreting | | Contractor | Clearance Date |
| Pour Start Date & Time: 15/7/17 3:15 Pm | | No. of Cubes Taken: 6 | Cube Id Numbers |
| Pour End Date & Time: 15/7/17 8:45 Pm | | Average Slump(MM): 110-115 | |
| POST CONCRETING | Method of Pouring & Vibration | <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> To Improve | Arrangement for Cutting / Ponding |
| | Stability of Formwork after Pour | <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> To Improve | Others (Specify) |
| | Line, Level & Finishing | <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> To Improve | |
| | Observations / Remarks: | | |
| Task End Date: | | | |
| Contractor | Project Engineer (CLIENT) | Project Manager (PMC) | Vinod |

Vinod 15/7/17

| SUPERSTRUCTURES PROJECT MANAGEMENT CONSULTANTS | | FOUR CARD RCC | |
|--|--|---|---|
| Name of Work: RAS OFFICERS INSTITUTE | | Checklist No. 07 Date: 31/7/17 | |
| Contractor: MR. LOURAH | | Dirgs Ref: | |
| Location: Plot Foundation at Corrid- 4A-413 and 412-418 | | Quantity (M ³): 81 cu.m. | Mix Grade: M-25 |
| | | 1ST INSPECTION | 2ND INSPECTION |
| | | Date: 31/7/17 11:45 | Date: 31/7/17 |
| | | Time: 11:00 AM | Time: 7:10 PM |
| Points to Check | | Action Req. | Action Req. |
| FORM WORK | 1. Dimensions, level & Plumb | ✓ | |
| | 2. Tightness & Rigidity | ✓ | |
| | 3. Stop / Drop Formwork | ✓ | |
| | 4. Clearness | X not clear. | ✓ checked |
| | 5. Shutter Release Agent | X | ✓ checked |
| | 6. Approval of scaffolding scheme | - | |
| REBAR | 1. Approved BBS available | ✓ | |
| | 2. No of bars & Laps as per BBS | ✓ | |
| | 3. Clearness | X | ✓ checked |
| | 4. Covers & binding Rigidity | X | ✓ checked |
| GENERAL | 1. Box Cuts | - | |
| | 2. Pipe Sleeves | - | |
| | 3. Embedded items / Electrical Conduits | - | |
| | 4. Quality of Bulk Materials / RMC | ✓ | |
| | 5. Plasticizers / Additives | ✓ | |
| | 6. Expansion Joint Provisions if any | - | |
| | 7. Existing Concrete Hacking & Clearing | ✓ | |
| | 8. Special treatments in existing surface | - | |
| | 9. Lighting arrangements for illumination | - | |
| EHS | 1. PPE to workers provided | ✓ | |
| | 2. Safe Working platform for pouring | ✓ | |
| | 3. Safety nets / life lines / shaft closures | ✓ | |
| | 4. Safe access/ Approach to location | ✓ | |
| | 5. Aware of Emergency Exit Plan by all | - | |
| | 6. Electrical Safety is ensured | - | ✓ checked |
| CLEARANCE | | | |
| Clearance for concreting | | PMC | Contractor |
| Clearance Date: 31/7/17 | | | |
| Pour Start Date & Time: 31/7/17 11:45 | | No. of Cubes Taken: 6 | Cube Id Numbers |
| Pour End Date & Time: 31/7/17 7:45 PM | | Average Slump(MM): 115-130 | |
| Method of Pouring & Vibration | | Arrangement for Curing / Ponding | <input type="checkbox"/> Acceptable <input type="checkbox"/> To Improve <input type="checkbox"/> To Improve |
| Stability of Formwork after Pour | | Others (Specify) | <input type="checkbox"/> Acceptable <input type="checkbox"/> To Improve <input type="checkbox"/> To Improve |
| Line Level & finishing | | | <input type="checkbox"/> Acceptable <input type="checkbox"/> To Improve <input type="checkbox"/> To Improve |
| Observations / Remarks: | | | |
| Task End Date: | | | |
| Contractor: [Signature] | Project Engineer (CLIENT) | | Project Manager (PMC): [Signature] |

Checking Record by Architect & Structure Consultants

| SNo | Date | Work Description/Remarks | By Architect/Sign | By Structure | By Date | Remarks |
|-----|---------|--|-------------------|--------------|---------|--------------|
| 1 | 26/5/17 | Layout of RCC | - | Checked | 26/5/17 | |
| 2 | 27/5/17 | Layout of columns | - | Checked | 27/5/17 | |
| 3 | 5/7/17 | Reinforcement of roof roof checked and found OK for casting | Checked | Checked | 5/7/17 | Time 5:50 PM |
| 4 | 7/7/17 | Layout of columns and retaining wall and Sump location checked | Checked | Checked | 7/7/17 | Time 6:15 PM |
| | 12/7/17 | Reinforcement of R/C Foundation of level X0 to X1/2 and Y1 to Y11 checked and found OK for casting | | | | |
| | 14/7/17 | Layout of columns with the Sump and staircase location checked as per drawing and found OK at site. | Checked | Checked | 14/7/17 | |
| | 17/7/17 | R/C of R/C Foundation at level X11-X12/ Y11-Y13 checked and found OK and column layout as above level checked at site. | Checked | Checked | 17/7/17 | Time 2:15 PM |

MAJOR PENDING DECISIONS & REQUIREMENTS AT SITE

Some other decisions pending at site are as follows:-

- (i) Electrical work contractor finalization
- (ii) Water proofing work contractor finalization
- (iii) Skilled store keeper required at site.

Signature

Mr. Sanjay Saxena

Mobile: 91-8696599365

Signature

Mr. Kulvinder Singh

Mobile: 91-9314480610