



MONTHLY PROGRESS REPORT

NOVEMBER, 2017



RAS OFFICERS' INSTITUTE (CLUB HOUSE)

(2, institutional Area, Near Dainik Bhaskar, Jaipur)

Developers: M/S RAS Officers' Institute

2, institutional Area, Near Dainik Bhaskar -Jaipur

Prepared By

SUPERSTRUCTURES (PROJECT MANAGEMENT CONSULTANTS)

Project Highlights

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

Total Floor of Project: -2 Basement + 6 Floors

(Gym, Swimming pool, Banquet hall, Conference hall, Bar & Tennis squash)

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 Mob : 91-9680282624.

Project Management Consultants

M/S SUPERSTRUCTURES

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

New Sanganer Road, Jaipur

Phone: 91-9314932438, 0141 5106606

Mr. Kulvinder Singh Mob : 91-9314480610

Structural Consultant

M/S SANRACHNA

S-41, AMBA BARI, JAIPUR

Mr. Sandeep Garg Mob: 91-9799496696

MEP Consultant

M/S Cube Consultant

A-8, Jamna Nagar Sodala-Jaipur

Mr. 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

Electrical Work Contractor

M/S Vijay Electric service

Vivek Vihar, New Sanganer Road, Sodala-Jaipur

Mr. Shyam Vijay Mob:91-9783300501

Plumbing Contractor

M/S Gayatri Plumbing

B-50, Jawahar Nagar, Jaipur

Mr. Jeet Ram Mob: 91-9829008082

Waterproofing Contractor

M/S NS Solutions

3/77, Agarwal Farm, Mansarovar, Jaipur

Mr. Shrikant Dandia Mob:91-9214529486

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Distribution to:-

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

EXECUTIVE SUMMARY

- ➔ Swimming Pool Walls steel binding, shuttering & casting (2nd lift) in progress.
- ➔ Retaining wall casting of Upper basement 90% completed.
- ➔ Upper Basement Roof slab casting 90% completed.
- ➔ Ground Floor Columns casting 90% completed.
- ➔ Ground Floor Roof Slab shuttering & steel binding in progress.
- ➔ Piling work for ramp excavation is in progress.
- ➔ Lower Basement Brickwork in progress.

PROJECT VIEW as on 01st December '17



MILESTONES ACHIEVED

(i) At Execution Level:-

- (i) Bar binding & casting of Upper Basement Roof Slab 90% completed.
- (ii) Ground Floor roof slab shuttering & bar binding 50% completed.
- (iii) Bar binding & casting of Ground Floor columns 90% completed.
- (iv) Brick work of Lower Basement 70% completed. Work in progress.
- (v) Piling works for ramp excavation is in progress.

(ii) At Decision Level:-

- (i) Sagar Tubewell Company finalized for piling works at ramp side on labour basis.
- (ii) Waterproofing & Plumbing vendor team finalized.
- (iii) Interior Designer Architect will be selected by tendering.

MANPOWER DEPLOYED AT SITE STATUS

Total Manpower Deployed at Site by different Agencies / Vendors

Manpower Details Till 30 th November'17					
S. No.	Name of Contractor	Work	Skilled	Unskilled	Total
1.0	H.R. Gwala	Civil Work	60	308	368
1.1	SK Burman/ (H.R. Gwala)	Bar Binding	176	256	432
1.2	Govind/(H.R. Gwala)	Shuttering	231	349	580
1.3	Ashok/ (H.R. Gwala)	Brick Work	61	102	163
1.4	Kallu/ (H.R. Gwala)	Plaster Work	24	34	58
2.0	Vijay Electrical Service	Electrical	06	0	06
3.0	Gayatri Plumbing	Plumbing	05	0	05
4.0	NS Solutions	Waterproofing	15	0	15
5.0	Sagar Tubewell Company	Piling	80	0	80
Total					1707

STEEL & CEMENT STATUS

A. Steel Received & Consumed Details in November '17

Diameter of Bar	Received Till Date (MT)	Received in November '17 (MT)	Consumed in November'17 (MT)	Total Consumed till Date (MT)	Balance at Site as on 30.11.17 (MT)
8mm	37.11	9.9	4.95	24.96	12.15
10mm	107.27	28.07	4.90	78.71	28.56
12mm	65.94	14.62	0.70	51.22	14.72
16mm	28.496	3.1	1.65	26.05	2.45
20mm	41.25	26.06	3.70	18.09	23.16
25mm	67.52	19.61	8.75	51.11	16.41
32mm	77.73	18	11.50	64.23	13.50
Total (MT)	425.316	119.36	36.15	314.37	110.95

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

Location	Received Till Date (Bags)	Received in November '17 (Bags)	Consumed Till Date (Bags)	Consumed in November '17 (Bags)	Balance at Site as on 30.11.17 (Bags)
At Site	10671	3421	8804	2645	1867
At RMC Plant	5792	0	5420	0	372
Total (Bags)	16463	3421	14224	2645	2239

PROPOSED SCHEDULES FOR THE MONTH OF DECEMBER '17

Following Activities are planned for the Month of December '17

- (i) Completion of Ground Floor roof shuttering, bar binding & concreting (casting).
- (ii) Completion of First Floor Columns shuttering, bar binding & concreting (casting) work.
- (iii) Completion of Swimming pool walls shuttering & casting.
- (iv) Completion of First Floor roof slab Shuttering, bar binding work & casting work.
- (v) First Floor roof slab casting.
- (vi) Lower Basement brick work.
- (vii) Upper Basement brick work.
- (viii) Piling(bar binding & concreting) works for ramp excavation.
- (ix) Earth filling in surrounding areas of building.
- (x) Lower Basement Filling Work.

STEEL & CEMENT REQUIREMENT FOR THE MONTH OF DECEMBER '17

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

S. No.	Location of Use	Dia. Of Bars	# Required Quantity as per Previous Slab (MT)	Available at Site (MT)	Net Required Quantity (MT)
1.	Ground Floor roof slab, 1 st Floor Columns, 1 st Floor roof slab.	8mm	15.15	12.15	3.00
		10mm	31.56	28.56	3.00
		12mm	16.72	14.72	2.00
		16mm	7.45	2.45	5.00
		20mm	28.16	23.16	5.00
		25mm	36.41	16.41	20.00
		32mm	26.50	13.50	13.00
Total Qty Required (MT)			161.95 MT	110.95 MT	50.00MT

Note: These are tentative quantities due to non-availability of 1st floor roof slab drgs.

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

S. No.	Description of Work	Qty.	Unit	Coefficient	Quantity Reqd. (Bags)
1	PCC & RCC Work				
(i)	Upper basement roof slab (Remaining Part)	40	Cum	7.08	2407
(ii)	Ground Floor roof slab	350	Cum	7.08	2478
(iii)	First Floor Columns.	90	Cum	7.08	640
(iv)	First Floor roof slab	350	Cum	7.08	2478
(v)	Piling Work	90	Cum	7.08	640
Total Required Bags of Cement for the Month of December '17					7165
Total Available Bags of Cement at Site					1867
Net Required Bags of Cement for the Month of December '17					5298
Say					5300Bags

C. Aggregate Requirement Detail for the Month of December '17**(i) 10mm Aggregate**

S.No	Description of Work	Qty.	Unit	Coefficient	Quantity Reqd. (C.Ft)
(i)	Upper basement roof slab (Remaining Part)	40	Cum	11.515	460
(ii)	Ground Floor roof slab	350	Cum	11.515	4030
(iii)	First Floor Columns.	90	Cum	11.515	1040
(iv)	First Floor roof slab	350	Cum	11.515	4030
(v)	Piling Work	90	Cum	11.515	1040
Total Required Qty of 10mm Aggregates for the Month of December '17					10600
Total Available Qty of 10mm Aggregate at Site					1100
Net Required Qty of 10mm Aggregate for the Month of December '17					9500
Say					9500

(ii) 20mm Aggregate

S.No	Description of Work	Qty.	Unit	Coefficient	Quantity Reqd. (C.Ft)
(i)	Upper basement roof slab (Remaining Part)	40	Cum	16.8	672
(ii)	Ground Floor roof slab	350	Cum	16.8	5880
(iii)	First Floor Columns.	90	Cum	16.8	1512
(iv)	First Floor roof slab	350	Cum	16.8	5880
(v)	Piling Work	90	Cum	16.8	1512
Total Required Qty of 20mm Aggregates for the Month of December '17					15456
Total Available Qty of 20mm Aggregate at Site					2818
Net Required Qty of 20mm Aggregate for the Month of December '17					12638
Say					12700

D. Sand Requirement Detail for the Month of December '17**(i) Sand**

S.No	Description of Work	Qty.	Unit	Coefficient	Quantity Reqd. (C.Ft)
(i)	Upper basement roof slab (Remaining Part)	40	Cum	17.30	692
(ii)	Ground Floor roof slab	350	Cum	17.30	6055
(iii)	First Floor Columns.	90	Cum	17.30	1557
(iv)	First Floor roof slab	350	Cum	17.30	6055
(v)	Piling Work	90	Cum	17.30	1557
Total Required Qty of Sand for the Month of December '17					15916
Total Available Qty of Sand at Site					3757
Net Required Qty of Sand for the Month of December '17					12159
Say					12500

A. Weekly Material Procurement Schedule month of December '17

WEEKLY MATERIAL REQUIREMENT SCHEDULE FOR THE MONTH OF DECEMBER '17							
S. NO.	MATERIAL DESCRIPTION	1st WEEK	2nd WEEK	3rd WEEK	4th WEEK	TOTAL QUANTITY	Remarks (if any)
1	Steel	-	-	-	50.00	50.00 MT	
2	Cement(PPC)	1200	1800	1200	1100	5300 Bags	
3	10mm Aggregate	3395	1037	1037	4031	9500	
4	20mm Aggregate	3796	1512	1512	5880	12700	
5	Sand	3331	1557	1557	6055	12500	

DRAWING STATUS**List of Drawings Received in the Month of November'17**

Following Drawings Received in month of November 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.	Remark
1	08.11.2017	Lower Basement Drainage Layout	176/RASC/LBP/05-		
2	08.11.2017	Revised Piling detail near ramp area	-		
3	08.11.2017	Retaining wall section	-		
4	08.11.2017	Upper Basement Ramp detail	-		
5	08.11.2017	Upper Basement Roof Detail	-		
6	08.11.2017	Upper Basement Roof beam detail	-		
7	08.11.2017	Lower Basement Drainage Layout	176/RASC/LBP/05		
8	08.11.2017	Upper Basement Drainage Layout	176/RASC/LBP/05		
9	10.11.2017	Ground Floor Shuttering Plan	176/RASC/GFS/03A		
10	10.11.2017	Ground Floor Detail	-		
11	10.11.2017	Ground Floor Roof Beam Detail	-		
12	10.11.2017	Ground Floor Roof Beam Detail	-		
13	10.11.2017	Staircase Column Footing Detail	-		
14	10.11.2017	Ground Floor Swimming pool plan	176/RASC/UBS/02		
15	16.11.2017	Swimming Pool Slab Level Details	-		
16	16.11.2017	Swimming Pool Level Beam Details	-		
17	24.11.2017	Upper Basement Roof Details	--		
18	24.11.2017	Upper Basement Roof Beam Details	-		
19	24.11.2017	Upper Basement Roof Beam Details	-		
20	24.11.2017	Revised Banquet Staircase (Lower Basement to Fourth Floor Lvl.)	176/RASC/GFP/09		
21	24.11.2017	M.S Plate details for porch (Ground Floor main entry)	176/RASC/PORCH		
22	24.11.2017	Retaining wall section	-		
23	25.11.2017	Ground Floor MEP Sleeve Layout	176/RASC/GFP/09		
24	25.11.2017	Ground Floor Fire Fighting Layout	176/RASC/GFP/09		
25	29.11.2017	Stair Detail	-		
26	29.11.2017	M.S Plate Detail	-		

List of Drawings Required in December '17**Following Drawings are required at site in the Month of December '17**

S. No.	Drawing Title	Date of Requirement on OR Before
1	Ground Floor to Upper Floors (Advance Copy)	05.12.2017
2	Lower Basement Electrical Plan	ASAP
3	Upper Basement Electrical Plan	15.12.2017
4	Ground Floor Working Plan	10.12.2017
5	All Floors D/W Schedule (Advance Copy)	10.12.2017
6	First Floor Roof Shuttering Plan	05.12.2017
7	First Floor Roof Slab & Beam Details	05.12.2017
8	First Floor Roof Fire & Plumbing Sleeve Details	10.12.2017
9	First Floor Roof Electrical Conduit Plan	10.12.2017

PROGRESS PHOTOGRAPHS

Site View 01 November '17



Site View 05 November '17



Upper Basement Roof Slab Checking on 30 November-17



Project View 30 November-17



Cube Test Report for the month of October, 2017

Location	Date of Casting	Mix of concrete	Date of Test	Cube Mark	Res ⁿ Strength of concrete	Comp ⁿ Strength of concrete	Average Strength of concrete	Cube mark	Res ⁿ Strength of concrete	Comp ⁿ Strength of concrete	Average Strength of concrete	Sign of P.M.C	Sign of Contn. Co.	Remarks
7 Casting of (P.D) R/W	26/10/17	M-25	21/11/17	26/1	17.5	43/21.77	20.96	27/11/17	4	700/31.31	700/31.31			
				2		43/21.77			5	680/30.22	680/30.44		30.44	
				3		47/21.11			6	670/30	675/30			
8 Casting of U.D R/W (X ₁₂ -X ₁₃ @ Y ₁₄)	31/10/17	M-25	7/11/17	27/1	17.5	510/22.66	22.58	28/11/17	4	660/29.33				
				2		525/23.25			5	650/28.88			28.66	
				3					6	625/27.77				
9 Casting of U.D Slab (X ₁₂ -Y ₁₂ & X ₁₃ -Y ₁₃)	02/11/17	M-25	9/11/17	28/1	17.5	475/21.11		29/11/17	4	680/28.44				
				2		500/22.22	21.25		5	670/29.77				
				3		460/20.77			6	650/28.88				
10 Casting of U.D Slab (X ₁₂ -Y ₁₂ & X ₁₃ -Y ₁₃)	4/11/17	M-25	11/11/17	29/1	17.5	425/19.88		21/12/17	4	630/30.66				
				2		460/20.44	20.06		5	700/31.11			30.59	
				3		470/20.88			6	675/30				
11 Casting of U.D R/W & Column (X ₁₂ -X ₁₃ @ Y ₁₄) (X ₁₂ -Y ₁₂ & X ₁₃ -Y ₁₃) (C ₁ - (Y ₄ -Y ₁₄))	7/11/17	M-25	14/11/17	30/1	17.5	460/20.77		5/12/17						
				2		470/21.4	20.51							
				3		450/20								
12 Casting of U.D R/W (X ₁₂ -X ₁₃ @ Y ₁₄)	8/11/17	M-25	15/11/17	31/1		450/20								
				2	17.5	420/19.11	19.32	6/12/17						
				3		425/18.88								

Check List Month of November-2017

Checklist for Reinforcement

PROJECT: RASOIT, Jaipur
UPPER FAREMENT ROOF SLAB

Sheet No. - _____

S. No.	Description	Details			
		Date	30-10-17	31-10-17	1-11-17
1.	No oily substance used for removal of rust prior to assembly of reinforcement.	OK	OK	OK	OK
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.	OK	OK	OK	OK
3.	Binders, stirrups, links etc., the straight portion behind the curve not less than 8 times the nominal size of bar. Bar crossing one another tied at every intersection.	OK	OK	OK	OK
4.	Chairs, separators and spacer bars provided as per the directions.	Not OK	Not OK	OK	OK
5.	Clear cover maintained & cover blocks are placed properly.	Not OK	Not OK	OK	OK
6.	Spacing of bars as per schedule.	Not OK	OK	OK	OK
7.	Alignment of bars maintained.	Not OK	Not OK	OK	OK
8.	Bar - bending schedule approved & followed.	-	-	-	-
9.	Checked by client Project Engg	Not Approved	Not Approved	Approved	Approved
10.	Approved by Pro. Manager				

SUPERSTRUCTURES *[Signature]* 3/11/17 *[Signature]* 3/11/17

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COMMENTS / REMARKS -

① Beam No-219 Top extra not present 1-25φ & 1-20φ. *found OK 30/10/17*

② Beam No-232 steel arrangement not proper as per section. *found OK 30/10/17*

③ Beam No-236 steel arrangement not proper as per section. *found OK 30/10/17*

④ Beam No-220 spacing & binding of stirrups not proper, need to be rectified. *found OK 30/10/17*

⑤ Slab at grid Y-5-7 at X-12-14 distance of crank to be rectified not found OK, needs to be rectified. *found OK 1-11-17*

⑥ dia. at X-13 at Y-10 not reduced, need to be reduced. *found OK 31/10/17*

⑦ chairs are not proper in all slab panels. *found OK 31/11/17*

⑧ Steel for cut out behind lift at grid X-15/16 at Y-5 not present, needs to be laid before casting. *found OK 1-11-17*

SUPERSTRUCTURES *[Signature]* 3/11/17 *[Signature]* 3/11/17

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Pour Card for the month of October, 2017

SUPERSTRUCTURES		POUR CARD	
RCC		Checklist No.	Date: 31-10-17
Name of Work: RASO, I, Jaipur		Drags Ref:	
Contractor: HR Gwala			
Location: Upper Basement Roof Slab		Quantity (M ³):	Mix Grade:
		1ST INSPECTION	2ND INSPECTION
		Date: 31-10-17	Date: 1-11-2017
		Time:	Time:
			Remarks:
Points to Check		Action Req.	REMARKS
FORM WORK	1. Dimensions, level & Plumb	Not OK	OK
	2. Tightness & Rigidity	Not OK	OK
	3. Stop / Drop Formwork	OK	OK
	4. Cleanliness	Not OK	OK
	5. Shutter Release Agent	OK	OK
	6. Approval of scaffolding scheme	Not OK	OK
REBAR	1. Approved BBS available	Refer	Refer Reinforcement
	2. No of bars & Laps as per BBS	Reinforcement	checklist
	3. Cleanliness	checklist	
	4. Covers & Binding Rigidity		
GENERAL	1. Box Outs	OK	OK
	2. Pipe Sleeves	OK	OK
	3. Embedded items / Electrical Conduits	OK	OK
	4. Quality of Bulk Materials / RMC	OK	OK
	5. Plasticizers / Additives	-	-
	6. Expansion Joint Provisions if any	-	-
	7. Existing Concrete Hacking & Cleaning	Not OK	OK
	8. Special treatments in existing surface	-	-
	9. Lighting arrangements for illumination	OK	OK
EHS	1. PPE to workers provided	OK	OK
	2. Safe Working platform for pouring	OK	OK
	3. Safety nets / life lines / shaft closures	-	-
	4. Safe access/ Approach to location	OK	OK
	5. Aware of Emergency Exit Plan by all	OK	OK
	6. Electrical Safety is ensured	OK	OK
CLEANLINESS	Approved for casting		
Clearance for Concreting: PART-I		Contractor	Clearance Date
PART-II			
Pour Start Date & Time: 8:30 AM		No. of Cubes Taken: 06	Cube Id Numbers
Pour End Date & Time: 4:00 PM		Average Slump(MM): 105	97
Method of Pouring & Vibration		Arrangement for Curing / Ponding	OK
Stability of Formwork after Pour		Others (Specify)	
Line, Level & Finishing			
Observations / Remarks:			
Contractor: H/G 2017		Task End Date:	
Project Engineer (CLIENT)		Project Manager (PMC)	

Checking Record by Architect & Structure Consultants

S.No.	DATE	WORK DESCRIPTION / LOCATION	Date			REMARK
			ARCHITECT SIGNATURE	STRUCTURAL CONSULTANT SIGNATURE	CONTRACTOR'S SIGN.	
14	01/11/17	R/F of Upper Basement slab Roof slab & beams checked & found correct & allowed for casting. Construction joint mark on drawings.				
15	30/11/17	R/F of Upper Basement Roof Slab & beams checked & found correct & allowed for casting.				

MAJOR PENDING DECISIONS & REQUIREMENTS AT SITE

Some other decisions pending at site are as follows:-

- (i) Skilled store keeper required at site.
- (ii) Decision on Interior Designer.
- (iii) Decision on finalization of stone dust or sand for casting of columns & slab.

Signature

Mr. Vipin Pachlangia
(Project Head)
Mobile: 91-9929312666

Signature

Mr. Kulvinder Singh
(PMC Head)
Mobile: 91-9314480610