



MONTHLY PROGRESS REPORT

OCTOBER, 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: 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

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 base Slab Shuttering, Bar binding & casting completed.
- ➡ Swimming Pool Walls steel binding, shuttering & casting in progress.
- ➡ Retaining wall casting of Upper basement 90% completed.
- ➡ Upper basement Columns casting completed.
- ➡ Upper Basement Roof slab shuttering , bar binding in progress.
- ➡ Ramp Excavation works is in progress.
- ➡ Material Shifting for Lower Basement Brickwork in progress.

PROJECT VIEW as on 01st November '17



MILESTONES ACHIEVED**(i) At Execution Level:-**

- (i) Bar binding & casting of swimming pool base slab completed.
- (ii) Upper basement roof slab shuttering & bar binding 75% completed.
- (iii) Bar binding & casting of Upper basement column completed.
- (iv) Bar binding & casting of Upper basement retaining wall 90% completed.
- (v) Excavation works for ramp is in progress.

At Decision Level:-

- (i) NS Solutions finalized for waterproofing works on material basis.
- (ii) Gayatri Plumbing finalized for plumbing works on labour basis.
- (iii) Firefighting & HVAC work will be on material basis.

MANPOWER DEPLOYED AT SITE STATUS

Total Manpower Deployed at Site by different Agencies / Vendors

Manpower Details Till 31st October'17					
S. No.	Name of Contractor	Work	Skilled	Unskilled	Total
1.0	H.R. Gwala	Civil Work	75	279	354
1.1	SK Burman/ (H.R. Gwala)	Bar Binding	222	335	557
1.2	Govind/(H.R. Gwala)	Shuttering	176	262	438
2.0	Vijay Electrical Service	Electrical	20	0	20
3.0	Gayatri Plumbing	Plumbing	12	0	12
Total			505	876	1381

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

Diameter of Bar	Received Till Date (MT)	Received in October '17 (MT)	Consumed in October'17 (MT)	Total Consumed till Date (MT)	Balance at Site as on 31.10.17 (MT)
8mm	27.21	0	4.80	20.01	7.20
10mm	79.20	0	25.61	73.81	5.39
12mm	51.32	0	5.70	50.52	0.80
16mm	25.39	0	2.00	24.39	1.00
20mm	15.19	0	4.20	14.39	0.80
25mm	47.91	0	18.45	42.36	5.55
32mm	59.73	0	15.00	52.73	7.00
Total (MT)	305.95	0	75.76	278.21	28.44

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

Received Till Date (Bags)	Location	Received in October '17 (Bags)	Consumed Till Date (Bags)	Consumed in October '17 (Bags)	Balance at Site as on 31.10.17 (Bags)
7250	At Site	2400	6159	1682	1091
5792	At RMC Plant	0	5420	1555	372

PROPOSED SCHEDULES FOR THE MONTH OF NOVEMBER '17

Following Activities are planned for the Month of November '17

- (i) Completion of Upper basement Ramp shuttering, bar binding & concreting (casting).
- (ii) Completion of Ground Floor Columns shuttering, bar binding & concreting (casting) work.
- (iii) Completion of Swimming pool walls shuttering & casting.
- (iv) Completion of Ground Floor roof slab Shuttering, bar binding work & electrical conducting work.
- (v) Ground Floor roof slab casting.
- (vi) Lower Basement brick work.
- (vii) Earth filling in surrounding areas of building.

STEEL & CEMENT REQUIREMENT FOR THE MONTH OF NOVEMBER '17

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

S. No.	Location of Use	Dia. Of Bars	# Required Quantity (MT)	Available at Site (MT)	Net Required Quantity (MT)
1.	Ground Floor roof slab, columns & 1 st Floor Columns.	8mm	13.20	7.20	6.00
		10mm	30.39	5.39	25.00
		12mm	15.80	0.80	15.00
		16mm	4.00	1.00	3.00
		20mm	7.80	0.80	7.00
		25mm	23.55	5.55	18.00
		32mm	24.00	7.00	17.00
Total Qty Required (MT)			118.74 MT	27.74 MT	91MT

B. Cement Requirement Detail for the Month of November '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	340	Cum	7.08	2407
(ii)	Swimming pool walls.	15	Cum	7.08	106
(iii)	Ground Floor Columns.	90	Cum	7.08	640
(iv)	Ground Floor roof slab	350	Cum	7.08	2478
Total Required Bags of Cement for the Month of November '17					5631
Total Available Bags of Cement at Site					1091
Net Required Bags of Cement for the Month of November '17					4540
Say					4600 Bags

C. Weekly Material Procurement Schedule month of November '17

WEEKLY MATERIAL REQUIREMENT SCHEDULE FOR THE MONTH OF NOVEMBER '17							
S. NO.	MATERIAL DESCRIPTION	1st WEEK	2nd WEEK	3rd WEEK	4th WEEK	TOTAL QUANTITY	Remarks (if any)
1	Steel	-	-	-	-	Nil	
2	Cement(PPC)	1200	1200	1200	1000	4600 Bags	

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

Following Drawings Received in month of October 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	02.10.2017	Swimming Pool Slab detail	-		
2	02.10.2017	Swimming Pool beam detail	-		
3	06.10.2017	Swimming Pool Base Slab Shuttering Plan	176/RASC/UBS/03		
4	06.10.2017	Swimming Pool Plan (Ground Floor Plan)	176/RASC/GFL/09		

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

S. No.	Drawing Title	Date of Required on OR Before
1	Ground Floor to Upper Floors (Advance Copy)	05.11.2017
2	Lower Basement Plumbing & Drainage Plan	ASAP
3	Lower Basement Electrical Plan	ASAP
4	Upper Basement Plumbing & Drainage Plan	15.11.2017
5	Upper Basement Electrical Plan	15.11.2017
6	All Floors D/W Schedule (Advance Copy)	10.11.2017
7	Ground Floor Roof Shuttering Plan	05.11.2017
8	Ground Floor Slab & Beam Details	05.11.2017
9	Ground Floor Column Layout Plan	ASAP

PROGRESS PHOTOGRAPHS

Site View 01 October '17



Site View 05 October '17



Project View 31 October-17



Project View 31 October-17



Cube Test Report for the month of October, 2017

N	Location	Date	Mix	Take of	Cube	Rep ⁿ	Comp ⁿ	Age ⁿ	Date of	Cube	Rep ⁿ	Comp ⁿ	Age ⁿ	Size of	Size of	Remarks
		of		Grade	Mark	Sketch	Sketch	Sketch	Testing	Mark	Sketch	Sketch	Sketch	P.M.C.	Concrete	
		Setting		of	of	of	of	of	of	of	of	of	of			
21	Casting of L.B															
	R/W & Column	4/10/17	m-25	11/10/17	2		515/22.88	22.81	11/11/17							
	Grid ($y_{14}-x_{11}-x_{14}$)				3		525/23.35									
	Co @ $y_{10}-x_{15}$						17.5/22.24									
22	Casting of L.B R/W, Staircase wall (V.B)															
	& V.B Column				1		480/21.53	22.07	21/11/17							
	($y_{12}-y_{14}-x_{11}-x_{12}$)	5/10/17	m-25	12/10/17	2		495/22									
	C ₇ , C ₇ , C ₈ @ y_{10}				3		515/22.88									
23	Casting of Swimming Pool Slab															
	Grid ($y_{10}-y_{12}/x_{11}-x_{12}$)				1		500/24.47									
	$x_{12}-x_{13}$	9/10/17	m-20	16/10/17	2		500/22.22	23.22	8/11/17							
					3		512/23.22									
4	Casting of Ramp Slab															
	& R/W	11/10/17	m-25	21/10/17	1		499/21.77	22.06	11/11/17							
	($y_{11}-y_{14}-x_{11}-x_{13}$)				2		510/22.66									
					3		490/21.77									
5	Casting of S.P tank															
	and Column (V.B)	15/10/17	m-25	22/10/17	2		515/22.89	22.29	12/11/17							
	($y_{13}-y_{14}-x_{11}-x_{12}$)				3		515/21.77									
	C ₈ - ($y_{10}-y_{11}$ @ x_{12})						515/22.22									
6	Casting of R.B Ramp															
	R/W ($y_{12}-y_{14}$ @ x_{11})	18/10/17	m-25	25/10/17	2		515/27.77	26.66	15/11/17							
					3		515/25.55									

Check List Month of October-2017

Checklist for Reinforcement

PROJECT: RASO'I, Jaipur

Sheet No. -

S. No.	Description	Date		Details <u>Swimming Pool Base Slab</u>										
		Item	7/10/17	8/10/17										
1.	No oily substance used for removal of rust prior to assembly of reinforcement.		—	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										
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										
4.	Chairs, separators and spacer bars provided as per the directions.		Not OK	Done										
5.	Clear cover maintained & cover blocks are placed properly.		Not OK	Done										
6.	Spacing of bars as per schedule.		Not OK	Done										
7.	Alignment of bars maintained.		OK	OK										
8.	Bar - bending schedule approved & followed.		OK	OK										
9.	Checked by client Project Engg													
10.	Approved by Pro. Manager													

Signature

SUPERSTRUCTURES

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COMMENTS / REMARKS -

① L - not provided in the slab main & distribution bars, Proper L-shape bars to be weld to the existing bars. found OK

② Column steel of col-C3 (which was to be cutted) is cut, proper welding of steel to be done & bent in the slab. found OK

③ Beam No- 103 extra bar in top should be 4-32φ, but at site 3-32φ present. found OK

④ Beam No- 109, extra top bar should be 2-32φ, but at site 2-32φ only present. found OK

Signature 8/10/17

Signature 8/10/17

Signature 9/10/17

SUPERSTRUCTURES

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Pour Card for the month of October, 2017

SUPERSTRUCTURES		POUR CARD RCC	
Name of Work: <u>RASO '17, Jaipur</u>		Checklist No.	Date: <u>08/10/2017</u>
Contractor: <u>HR Gwala</u>		Drgs Ref:	
Location: <u>Swimming Pool Base Slab</u>	Quantity (M3): <u>102 m³</u>	Mix Grade: <u>M-30</u>	Site Mix: <u>Batching Plant</u>
1ST INSPECTION	2ND INSPECTION	RMC & Source:	
Date: <u>08.10.2017</u>	Date: <u>09.10.2017</u>		
Time:	Time:		
Points to Check	Action Req.	Action Req.	REMARKS
FORM WORK			
1. Dimensions, level & Plumb	<u>Not OK</u>	<u>OK</u>	
2. Tightness & Rigidity	<u>Not OK</u>	<u>OK</u>	
3. Stop / Drop Formwork	<u>-</u>	<u>-</u>	
4. Cleanliness	<u>Not OK</u>	<u>OK</u>	
5. Shutter Release Agent	<u>OK</u>	<u>OK</u>	
6. Approval of scaffolding scheme	<u>OK</u>	<u>OK</u>	
REBAR			
1. Approved BBS available	<u>Reps to</u>	<u>Reps to</u>	
2. No of bars & Laps as per BBS	<u>Re-inforcement</u>	<u>Re-inforcement</u>	
3. Cleanliness	<u>checklist</u>	<u>checklist</u>	
4. Covers & Binding Rigidity			
GENERAL			
1. Box Outs	<u>OK</u>	<u>OK</u>	
2. Pipe Sleeves	<u>OK</u>	<u>OK</u>	
3. Embedded Items / Electrical Conduits	<u>-</u>	<u>-</u>	
4. Quality of Bulk Materials / RMC	<u>OK</u>	<u>OK</u>	
5. Plasticizers / Additives	<u>-</u>	<u>-</u>	
6. Expansion Joint Provisions if any	<u>-</u>	<u>-</u>	
7. Existing Concrete Hacking & Cleaning	<u>-</u>	<u>-</u>	
8. Special treatments in existing surface	<u>-</u>	<u>-</u>	
9. Lighting arrangements for illumination	<u>OK</u>	<u>OK</u>	
EHS			
1. PPE to workers provided	<u>OK</u>	<u>OK</u>	
2. Safe Working platform for pouring	<u>OK</u>	<u>OK</u>	
3. Safety nets / life lines / shaft closures	<u>-</u>	<u>-</u>	
4. Safe access/ Approach to location	<u>OK</u>	<u>OK</u>	
5. Aware of Emergency Exit Plan by all	<u>OK</u>	<u>OK</u>	
6. Electrical Safety is ensured	<u>OK</u>	<u>OK</u>	
CLEARANCE	<u>Cleared for casting</u>		
Clearance for Concreting	PMC	Contractor	Clearance Date <u>9/10/17</u>
Pour Start Date & Time: <u>9:00 AM</u>	No. of Cubes Taken: <u>06</u>	Cube Id Numbers	
Pour End Date & Time: <u>12:15 AM</u>	Average Slump (MM): <u>95</u>		
Method of Pouring & Vibration	<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> To improve	Arrangement for Curing / Ponding <u>None</u>	
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:			
Contractor: <u>[Signature]</u>	Project Engineer (CLIENT)	Task End Date:	Project Manager (PMC)

Checking Record by Architect & Structure Consultants

15	8/10/17	Swimming Pool Reinforcement work Beam & Slab.	<p>① Column casted at Swimming pool slab have not been demonstrated w/ standard slabs</p> <p>② Swimming pool Beam slab reinforcement class not been continued continued in Beam as per drawing</p> <p>③ 1st & 2nd Beam slab level beams are not in level.</p> <p>* → Why before checking the reinforcement consultants are called at site.</p> <p>* → These defects are to be rectified by cast the, removed from defaulting persons.</p> <p>Rectifications as per instructed work completed & photographs are ^{were} shared, after approval from consultants casting was carried out.</p> <p>H/Enr 8/10/17 Pvt 8:40 PM</p> <p>8/10/17</p>
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MAJOR PENDING DECISIONS & REQUIREMENTS AT SITE

Some other decisions pending at site are as follows:-

- (i) Skilled store keeper required at site.
- (ii) Electricity Load to be increased OR new connection required for automatic concrete batching plant at site about 35KVA.
- (iii) Decision on Interior Designer.

Signature

Mr. Sanjay Saxena
(Project Head)

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Signature

Mr. Kulvinder Singh
(PMC Head)

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