

Pre- commissioning of a 250 bedded multispeciality hospital in Jaipur, rajasthan

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“Rukmani Birla Hospital”

- **CK Birla Hospitals** is now bringing its experience and expertise into Western India with **Rukmani Birla Hospital** in Jaipur, Rajasthan.
- This 250 bed multi-speciality facility will soon ensure that the pink city of Jaipur stays in the pink of health.
- Located on Gopalpura Bypass Road, **RBH** enjoys the strategic advantage of approachability from all major connecting roads of jaipur.
- Total built up area: 200,000 sq. ft.

“PROJECT”

PRE-COMMISSIONING OF A 250
BEDDED MULTISPECIALTY HOSPITAL

“INTRODUCTION”

- Commissioning of the health care delivery system can be described as the stage, which converts a non-functional hospital into a functional lively hospital throbbing with activity namely staffs, patients and equipments.
- Commissioning is the final stage in the planning phase.
- It is the stage between the building construction phase to operation phase.
- It involves activities which are aimed at integrating the various services, and the utility with the objective of delivering efficient patient care

AIM OF THE STUDY:

- To learn the complexities involved in the planning, design and commissioning of a 250 bedded hospital in Jaipur.

OBJECTIVES:

- To study the reviewing of planning documents and prepare the defect list to be remedied before final handover of the building to the hospital.
- To assess the infrastructure requirement of the set up.
- To identify the reasons behind the delay, if any.

“Methodology”

- **Step 1**: Review the plan prepared for the commissioning of hospital.
- **Step 2**: Prepare [check list](#) and snag list to execute the things on monthly/ weekly basis.
- **Step 3**: Tracking of the commissioning phase for accessing the infrastructure requirements of the hospital using different methods like Gantt chart and project tracker.
- **Step 4**: Results of the findings and recommendations will be shared with the relevant authorities in the hospital.

- **STUDY DURATION:** 3 months (1st February to 1st May)
- **STUDY AREA:** Rukmani Birla Hospital, Jaipur

“Project synopsis at a glance”

- Budgeted Project Value – 217 CR
- Executed Work Done – 130 CR (55 medical equipment / Furniture balance)
- No Of Bed – 230
- Build Up area- 220000 SFT

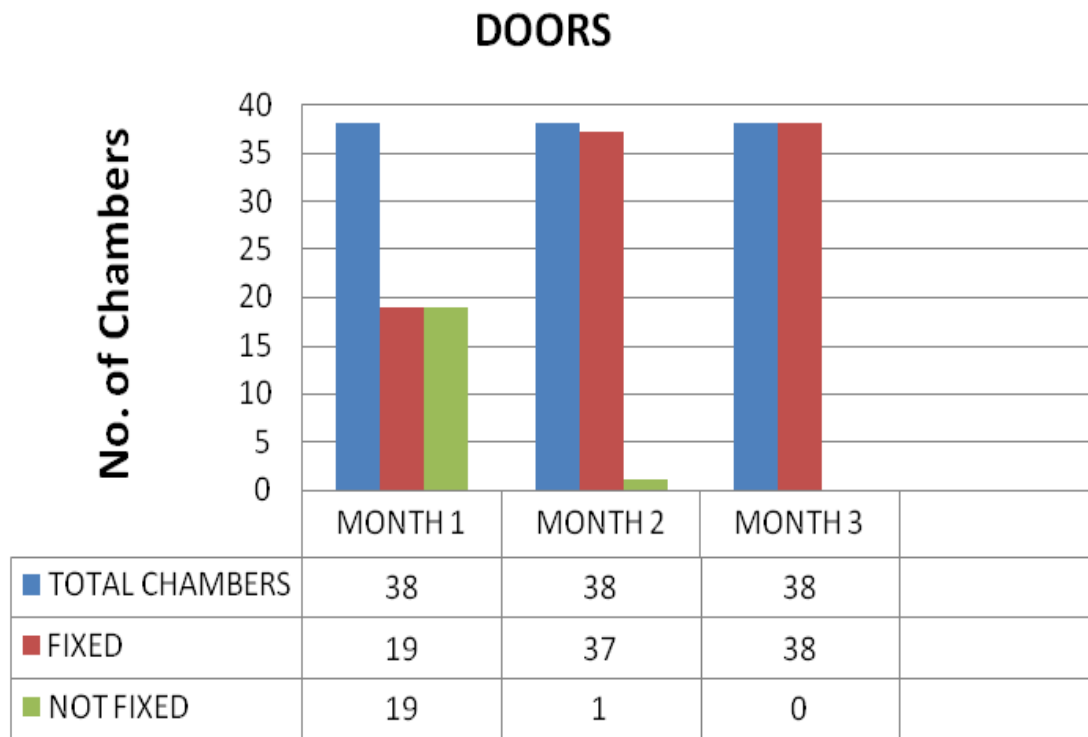
“Data interpretation”

- BASED ON THE OPD CHAMBER OF THE BASEMENT FLOOR FOR COMMISSIONING 10 ELEMENTS AS FIXTURES WERE PREPARED:

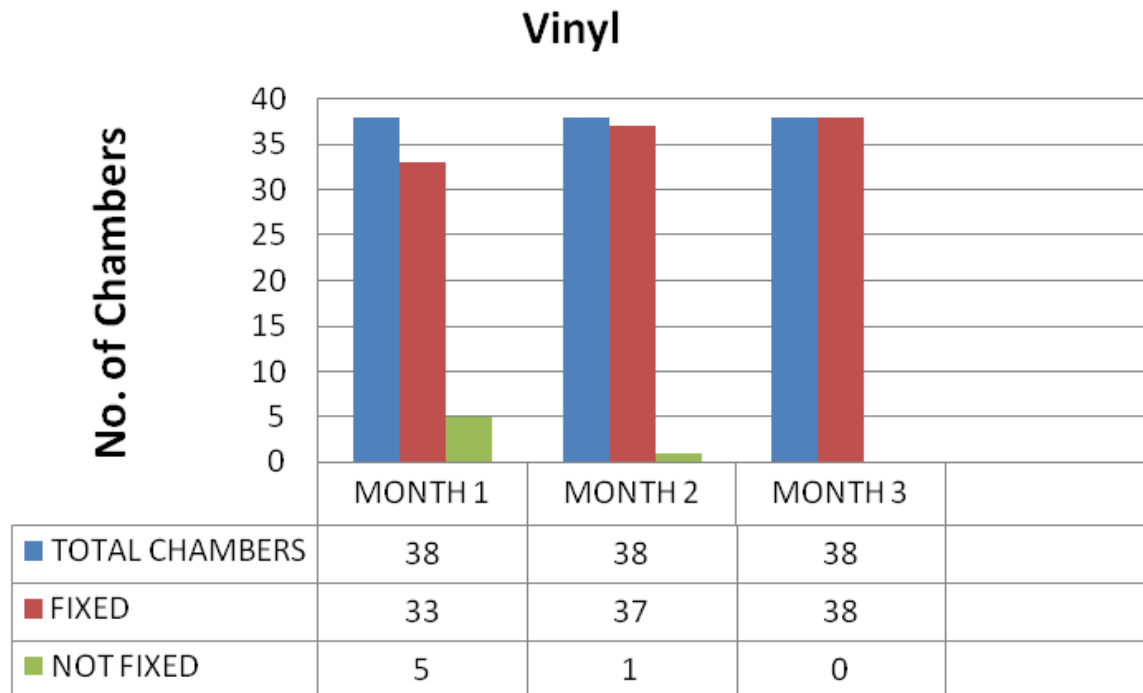
- (A) Door status
- (B) Vinyl (fixation and skirting)
- (c) Laminates
- (D) Curtain rail (fixation and curtains)
- (E) false ceiling (fixation)
- (F) Wash-Basin (fixation, tap and floor trap)
- (G) Doctors Table, chair and couch
- (H) Electric points
- (I) IT (points and installation)
- (J) Paint on walls

Using the check list, the analysis is made of 3 months showing the progress of work in those months.

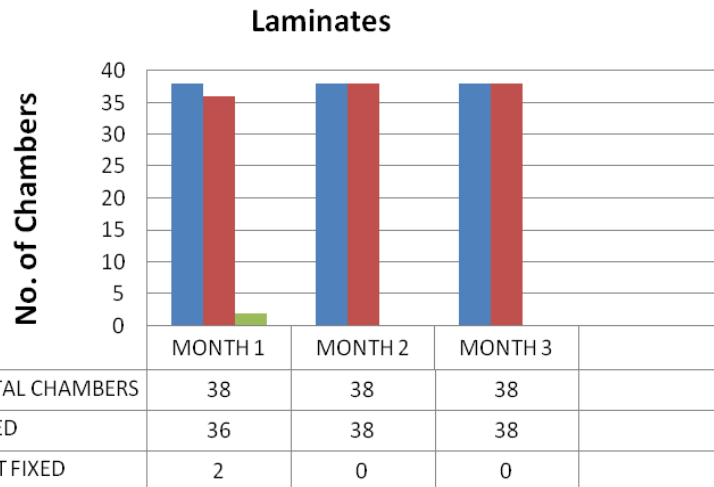
(A) Door status including polish, hinges, stopper, handle and locks (excluding door closer)



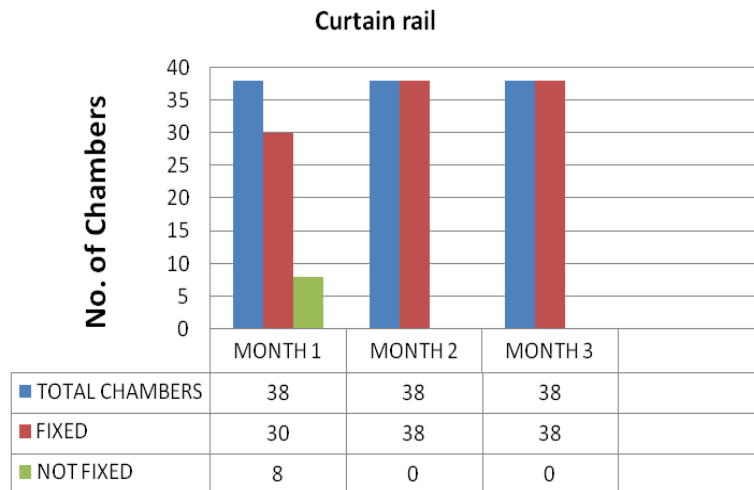
(B) Vinyl (fixation and skirting)



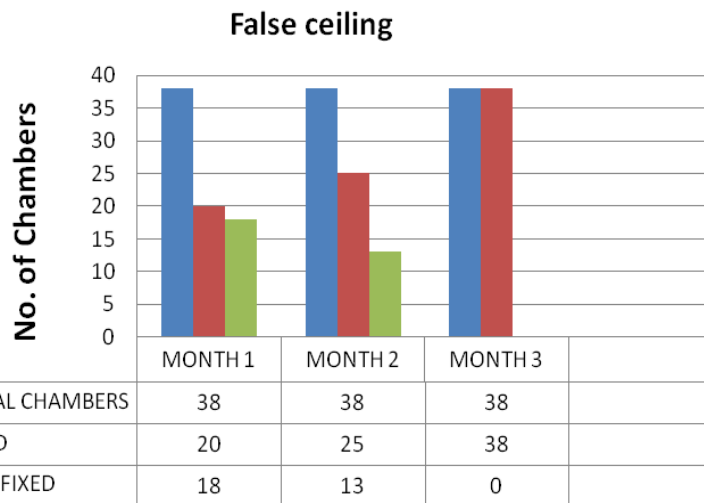
c) Laminates



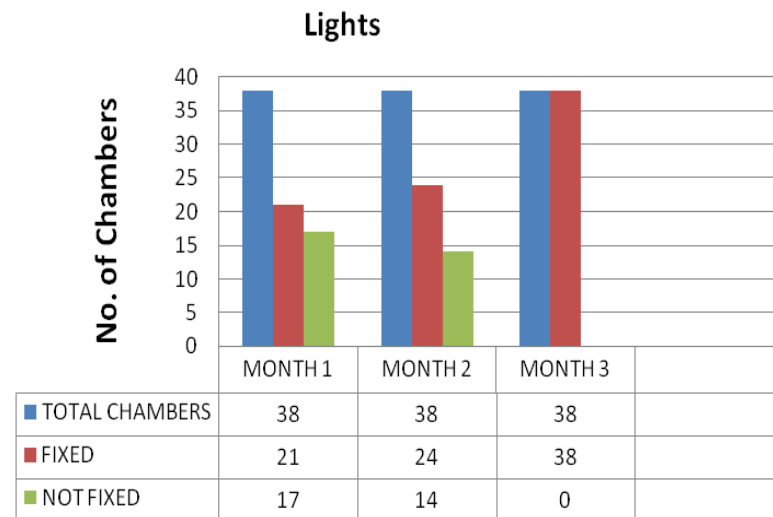
d) Curtain rail



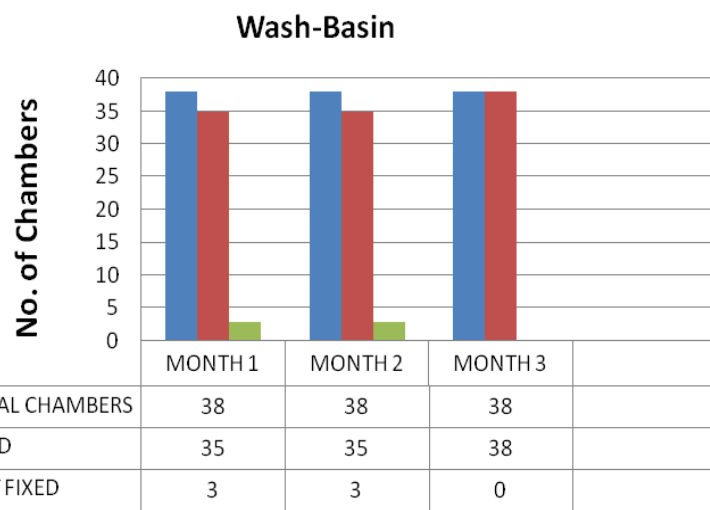
e) False ceiling



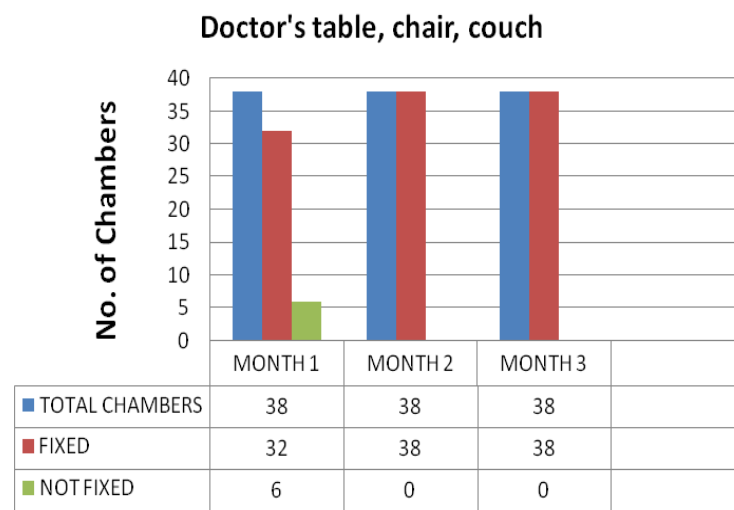
f) Lights



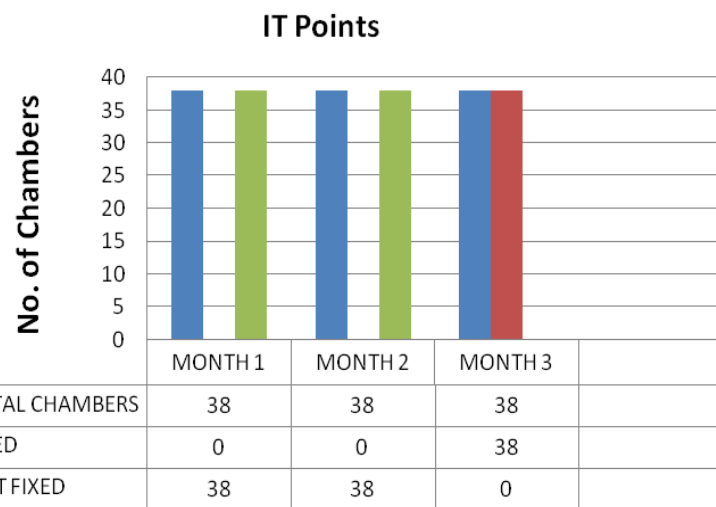
g) Wash basin



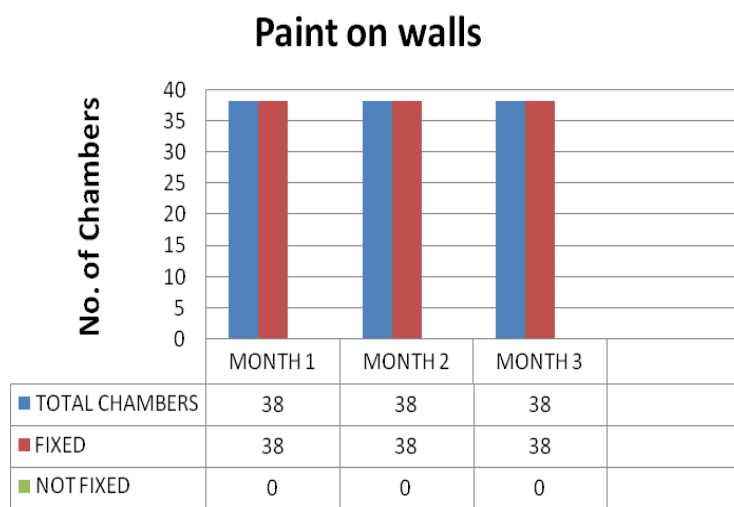
h) Doctors table, chair and couch



i) IT points



j) Paint on walls



“Data analysis tools”

- Room wise activity for soft launch
- Gantt chart (Tracking and monitoring)

Basement Floor- OPD



Basement :07/02/2014



OPD-23/08/2014



OPD-As on Date

Ground Floor OPD Completed



G.Flr: Dated: 04/04/14



GF as on date



Billing counters

OPD Basement Handed over to Operations



OPD lounge area



Consultants rooms



Dr. consultation RM

“FINDINGS”

On the project phase there are lot of delays:

- Communication gap between client, architect and various medical consultants.
- Improper schedule for the procurement of long lead items(Projects equipment's, Medicals equipment's) which are for most essential for the project completion
- Proper follow up with the Vendors were missing.
- Deployment of scheduled labour as per master plan was not there.
- Liasoning of Various fields were still pending like Completion Certificate to building, power supply to building from JEB.

“RECOMMENDATIONS”

- There should a channelized communication between client, project team and consultant.
- Centralized system should be more flexible so that the procurement process gets smooth
- There should be a regular follow up, monitoring and evaluation of the project in every fortnight to complete the project on time.
- A complete documentation should be done for every process.
- Proper deployment of manpower as per the master schedule for handling the project.
- The design phase shall be completed at the initial stage of the project.

Design and formulate committees regulated in the hospital

PROCESS:

- Google search
- Review of NABH committees
- Clinical research
- Decided tentative frequency on trial basis (will be revised according to the need)
- Created a rough draft
- Sent for approval from the unit head

No. of committees

- Pharmacy and therapeutic committee
- Infection control committee
- Waste management committee
- Purchase committee
- Medical audit committee
- Safety committee
- Disaster management committee
- Ethics committee
- Grievance committee
- CPR (cardiac pulmonary resuscitation) committee
- Mortality review committee
- Radiation safety committee
- Anti sexual harassment committee

Anti-Sexual Harassment Committee

- In accordance with Section 4 of the Sexual harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013, the management of the company has constituted a committee to prevent the cases of sexual harassment and to provide mechanisms for the complaints of sexual harassment at work place.
- **Members**
 - HR head
 - Operations head
 - Assistant nursing head
 - Doctor (female)
 - Assistant operation head
 - Legal expert (external, female)

“THANKS”