



# Projects Department

Board presentation

27 May 2023



Medanta Project functions

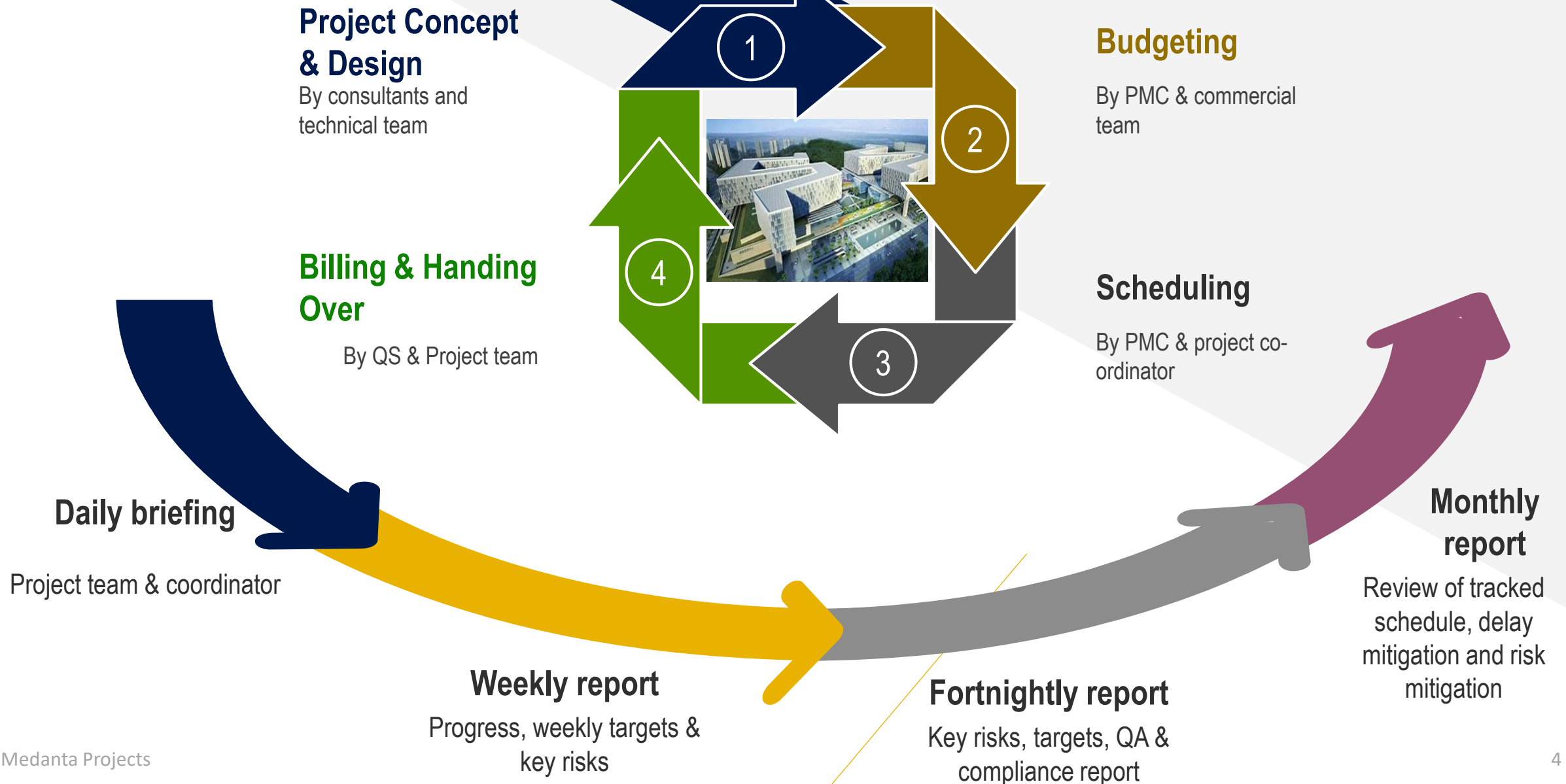
Project cycle & reporting

Planning & monitoring

# Medanta Project functions



# Project cycle & reporting



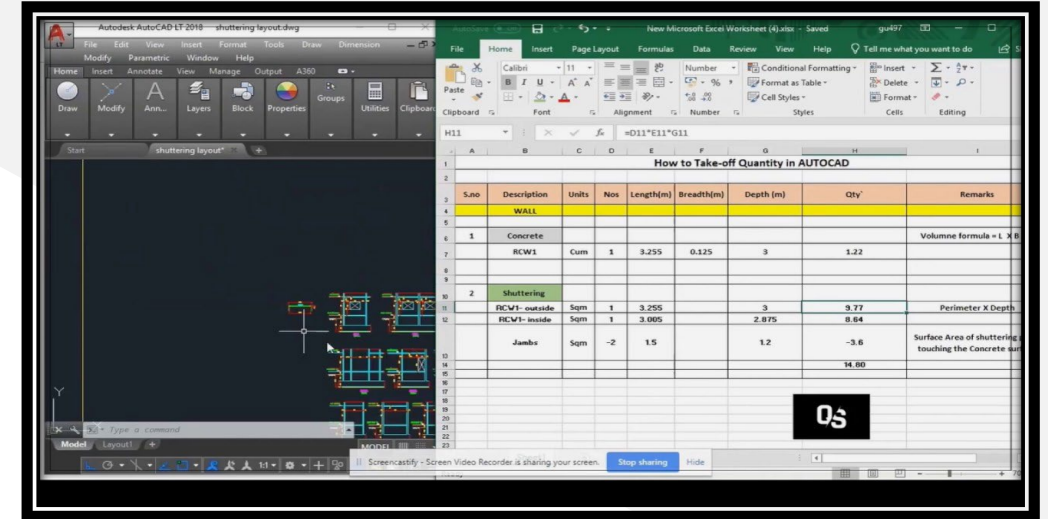
# Planning & monitoring

## Planning Tools

### Microsoft Project

Task Name	Duration	Start	Finish	22	Half 2, 2022	Half 1, 2023	Half 2, 2023	Half 1, 2024	Half 2, 2024					
					M	J	S	N	J	M	M	J	S	N
1 MEDANTA SUPER SPECIALITY HOSPITAL	901 days	Mon 11-07-22	Fri 03-01-25											
2 HOSPITAL CONSTRUCTION WORKS	901 days	Mon 11-07-22	Fri 03-01-25											
3 Design Phase	491 days	Mon 11-07-22	Fri 17-11-23											
34 Civil & Structure Works	587 days	Tue 16-08-22	Fri 29-03-24											
195 MEP WORK	649 days	Sun 15-01-23	Wed 30-10-24											
1239 Façade	680 days	Thu 19-01-23	Wed 04-12-24											
1328 External Development/ Landscape	361 days	Fri 02-06-23	Thu 30-05-24											
1364 Electricity on	1 day	Sat 20-07-24	Sat 20-07-24											
1365 Water On	1 day	Fri 26-07-24	Fri 26-07-24											
1366 HVAC ON	1 day	Tue 06-08-24	Tue 06-08-24											
1367 For Fire NOC	46 days	Wed 21-08-24	Sun 06-10-24											
1371 For OC	42 days	Tue 15-10-24	Mon 25-11-24											
1375 MINOR WORKS (CLOSURE OF SNAG LIST, FULFILLING	278 days	Sat 30-03-24	Fri 03-01-25											

### AutoCAD



## Monitoring Tools

### Microsoft Project

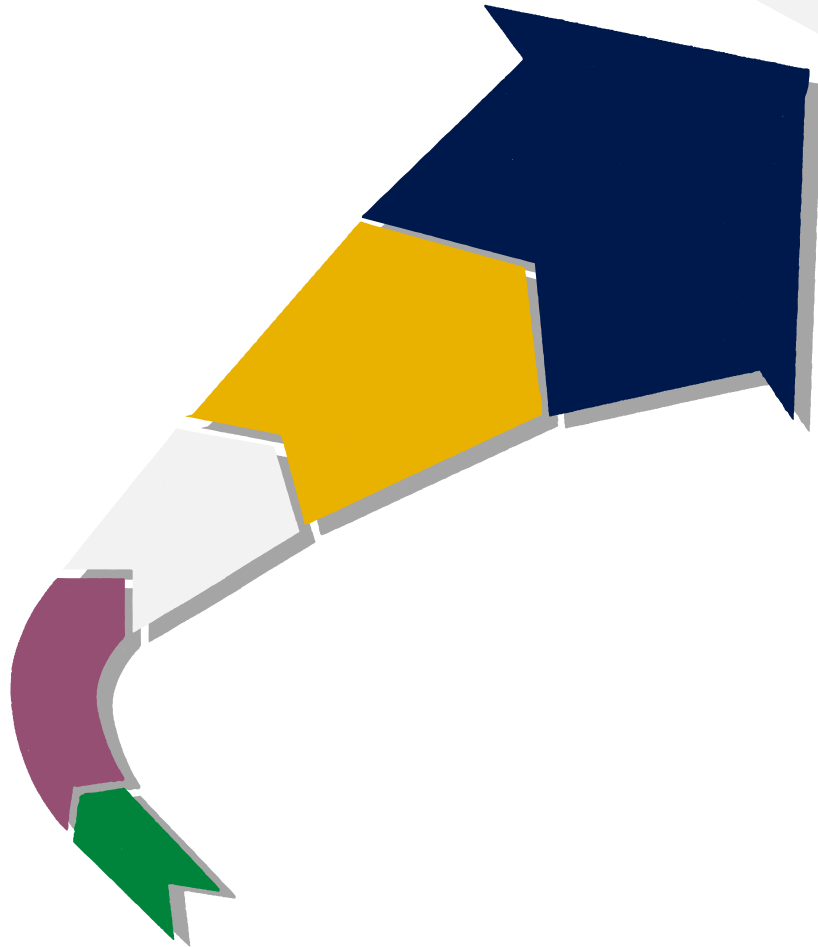
### Microsoft Power BI

### Google Sheets

### Time lapsed camera

# Project strategy

## Defining Strategic goals for the Project

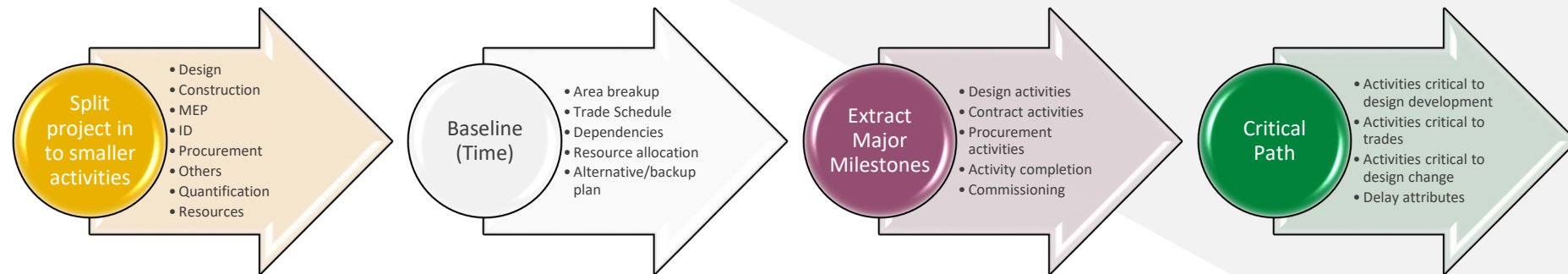


S.No.	Major Strategic Goals	Remarks	Responsibility
1	Aggressive Time Line of Project		PMC Team/Projects
2	Safety & Housekeeping		Safety Manager
3	Detailed Project Planning		Planning Manager
4	Efficient Design Management		Design Coordinator
5	Building Information Modelling		Design Coordinator & Planning Manager
6	Scheduled Construction Management		Construction Manager
7	Scheduled MEP Management		MEP Manager
8	Scheduled Procurement Management		Procurement Manager
9	Scheduled Other Development Management		Team
10	Successful Contract Management		Commercial Manager
11	Monitoring Progress & Making Adjustments		All Participants
12	Successful Commissioning & Handing over of project		Project Director
13	Efficient Communication		Project Director / Project Assistant
14	Time Bound resolution of issues		Various Heads

# Project strategy

## 2. Prepare Strategy for Project Planning

CPM scheduling and Critical Path Scheduling (Resource – Project Planner)



## 3. Dynamic Approach (Resource – Vertical Heads)



# Project strategy

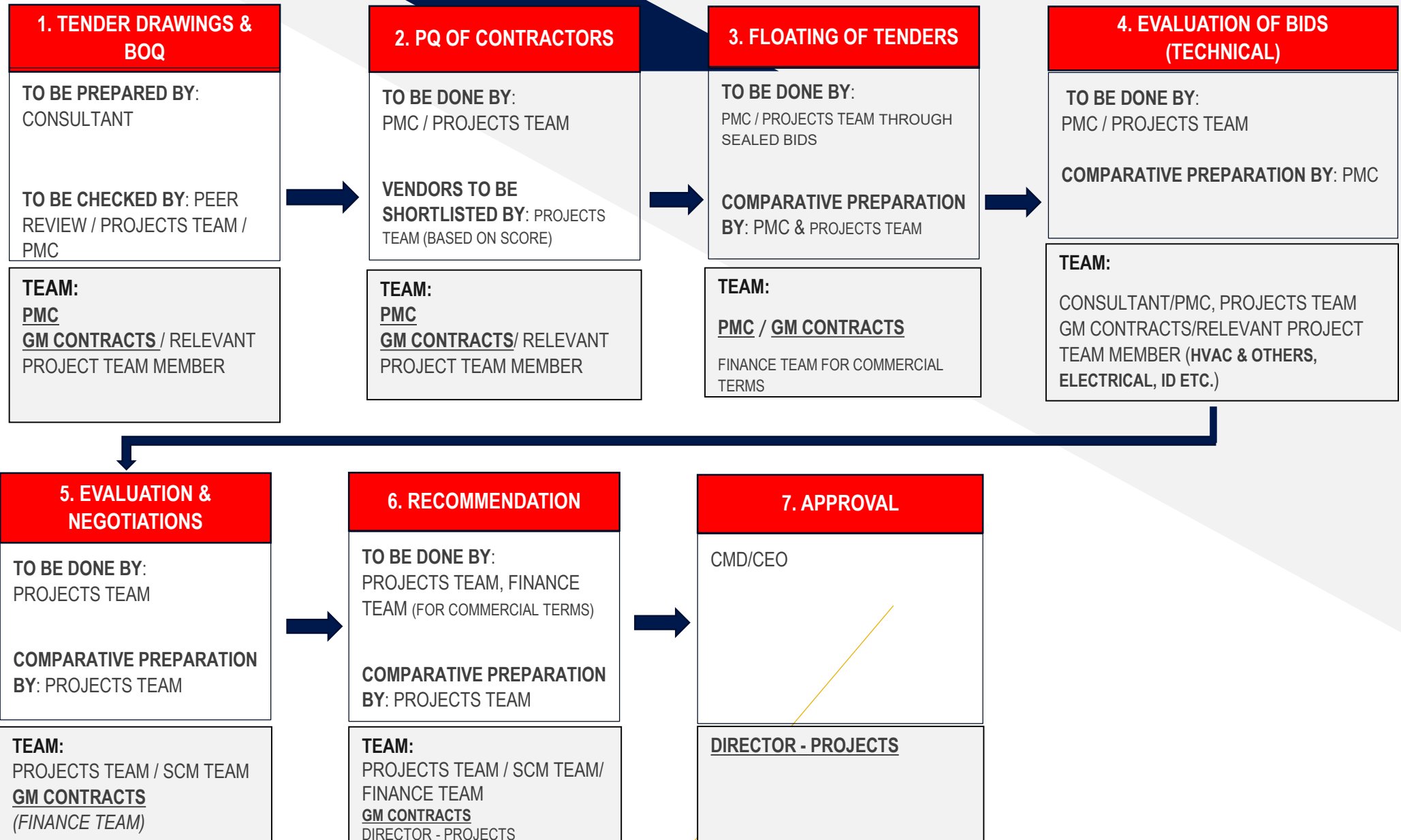
## 4. Prepare Strategy for Defining Key tasks and deliverables

Key tasks and deliverables to be identified and recorded in MASTER PLAN by Medanta Projects. Key tasks and deliverables are updated in consultation with various project participants as and when required.



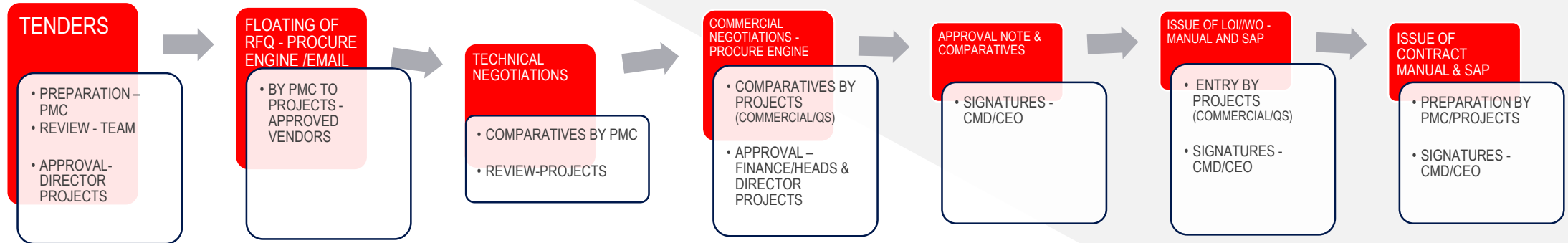


# SOPs - Tendering & Procurement

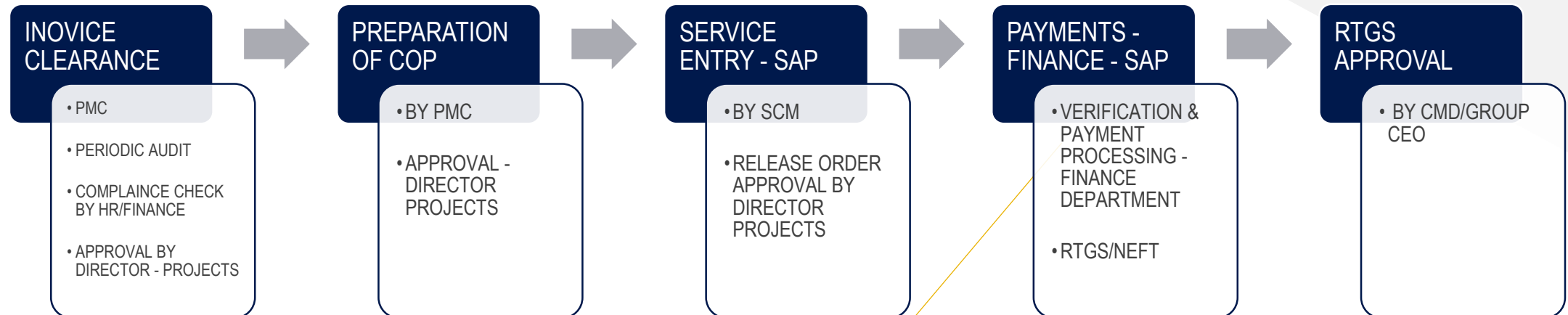


# SOPs - Documentation

## DOCUMENTATION – BEFORE CONTRACT/ WORK ORDER



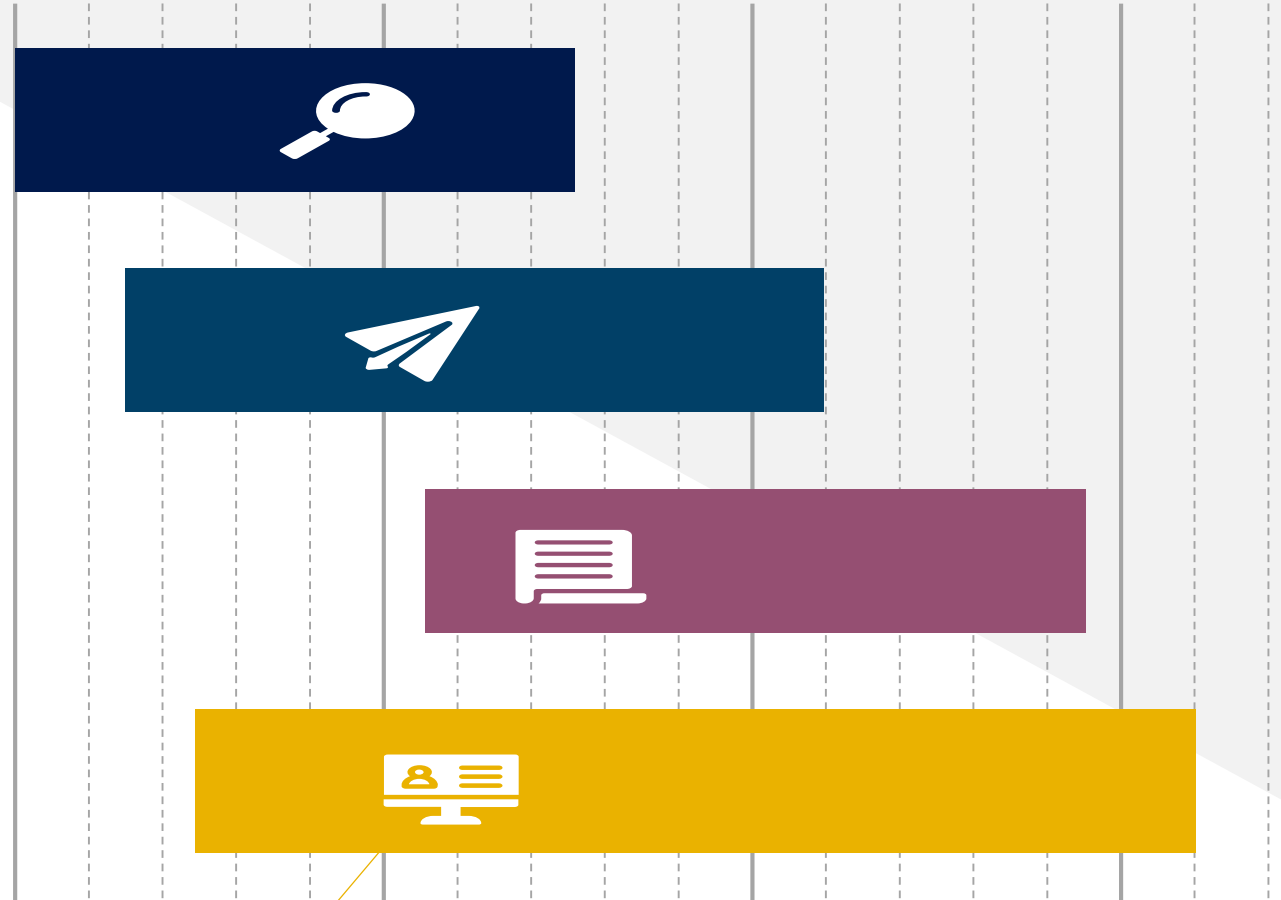
## DOCUMENTATION/SAP – POST CONTRACT/ WORK ORDER



# Reports

## Reports

1. Project Directory (Regular)
2. Project status report (Monthly)
3. Design Management report (Fortnight to Monthly)
4. Project Schedule & Variance (Monthly)
5. Milestone Report (Fortnightly)
6. Weekly progress report (short)
7. Cost Report (Monthly) & Cash Flow report
8. Critical Path & KPI (Monthly)
9. Risks & Mitigation report (Monthly)
10. Report for Board of Directors (Regular)



# Project risks

Strategic risk analysis and mitigation plan

Risk mitigation and contingency plans

# Project risks

## 1. Strategic risk analysis and mitigation plan

S.No.	Details	Risk Identification	Risk Assessment	Risk Mitigation	Risk Monitoring	Responsibility
<b>Design risks</b>						
1	Design errors and omissions	By level of risk	On Quality, cost and Time line	To be addressed	Design Manager	PMC
2	The design process took longer than anticipated	By level of risk	On time line	To be addressed	Design Manager	PMC
3	Stakeholders request late changes	By level of risk	On cost and time	To be addressed	Design Manager	-
4	Failure to carry out the works in accordance with the design	By level of risk	On quality and Time	To be addressed	Heads	PMC
<b>Organizational risks</b>						
1	Inexperienced workforce and staff turnover	By level of risk	On Quality and Time line	To be addressed	PMC team	Contractors
2	Delayed deliveries	By level of risk	On Time line	To be addressed	Procurement Team	SCM - Medanta
3	Lack of protection on a construction site	By level of risk	On Safety	To be addressed	PMC team	Contractors
4	New stakeholders emerge and request changes (e.g. change in bed composition or super speciality etc.)	By level of risk	Design and Time line	To be addressed	Owners	Owners

# Project risks

## 1. Strategic risk analysis and mitigation plan

S.No.	Details	Risk Identification	Risk Assessment	Risk Mitigation	Risk Monitoring	Responsibility
<b>Project management risks</b>						
1	Failure to comply with contractual quality requirements	By level of risk	On Quality	To be addressed	PMC Team	Contractor
2	Scheduling errors, contractor delays	By level of risk	On Quality, cost and Time line	To be addressed	PMC Team	PMC
3	Project team conflicts	By level of risk	On Quality, cost and Time line	To be addressed	PMC Team	PMC
<b>Labour related Risks</b>						
1	Long Holidays	By level of risk	On Time line	To be addressed	PMC Team	Contractor
2	Contractor's inability to deploy additional labour	By level of risk	On Time line	To be addressed	PMC Team	Contractor
3	Seasonal migration of Labours	By level of risk	On Time line	To be addressed	PMC Team	Contractor
4	Facilities for labour at site	By level of risk	On Time line	To be addressed	PMC Team	Contractor
5	Labour Accommodation	By level of risk	-	To be addressed	PMC Team	Contractor
<b>Safety and security related risks</b>						
1	Safety of work	By level of risk	Safety	To be addressed	Safety Committee	PMC
2	Fire related	By level of risk	Safety	To be addressed	Fire Prevention Committee	PMC
3	Flood related	By level of risk	Safety	To be addressed	Flood Monitoring Committee	PMC
4	Security related	By level of risk	Security	To be addressed	Security Committee	PMC
<b>PR and media related Risks</b>						
1	PR with Local stake holders	By level of risk	Work related	To be addressed	PMC Team	PD
2	Media Management in case of any adverse issue	By level of risk	Work related	To be addressed	Owner's Team	Owners
3	Control and management of labour related issues	By level of risk	Work related	To be addressed	PMC Team	PD

# Project risks

## 2. Risk mitigation and contingency plans

### Shortage of Labour

- Selection of capable contractor
- Strategy of Multiple vendors wherever required
- Underpinning the Contractor with additional labour

### Lack of Skilled Labour`

- Process of Selection of skilled labour
- Regular training by Project Supervisors
- Insistence of training to be imparted by Contractor

### Loss of time due to Work Stoppage

- Nodal point to note the stoppage
- Alternative work schedule planning
- Rotation of work schedule as per renewed time lines

### Quality of Work

- Separate quality register to be maintained
- Contractors to be penalized for poor quality through penal notices
- Contractual clause for rectification of quality at cost risk and consequences of the contractor

### Design Change Management

- Design Change register to be maintained
- Project participant initiating the design change shall be notified
- Regular monitoring of design change activities

### Procurement Delays

- BOI to be quantified in initial stages
- Procurement schedule to be issued well in advance
- Alternative sources to be identified for faster deliveries
- Separate Storage area to be earmarked for BOI items delivered at site

### Safety Hazards

- Quick response teams to be made for fire, flood and other safety issues
- Response command to be designated in case of any such incidence
- Incidences to be brought to discussion table for prevention of re-occurrence

### Pre-empting the delays

- Contingency plans to be built in the program schedule for anticipated delays
- Regular team meetings for pre-empting such delays
- Alternative resources to be arranged in advance for pre-empting the possible delay in any trade

### Loss of time due to Work Stoppage

- Nodal point to know the stoppage
- Alternative work schedule planning
- Rotation of work schedule as per renewed time lines

# Project risks

Our environmental sustainability focus



# Environment sustainability

## MEDANTA SUSTAINABILITY SOCIETY

Creating sustainable environment healthcare culture

Creation of sustainable environment healthcare culture will be through multifaceted approach involving everyone, from top leadership to the front-line staff so as to ensure the promotion of environmental friendly practices for the healthcare industry.

GOING GREEN, AND IMPLEMENTING SUSTAINABLE AND ETHICAL PRACTICES TO REAP BENEFITS INCLUDING:

- Improve energy efficiency and establish alternative energy sources
- Lower utility bills and other operational costs
- Elevated brand and positive image
- Greater employee satisfaction and retention
- Patient and community trust
- Lower carbon footprint and environmental impact



ENERGY AUDITS &  
GREEN BUILDING  
CERTIFICATIONS

ALTERNATIVE  
ENERGY SOURCES





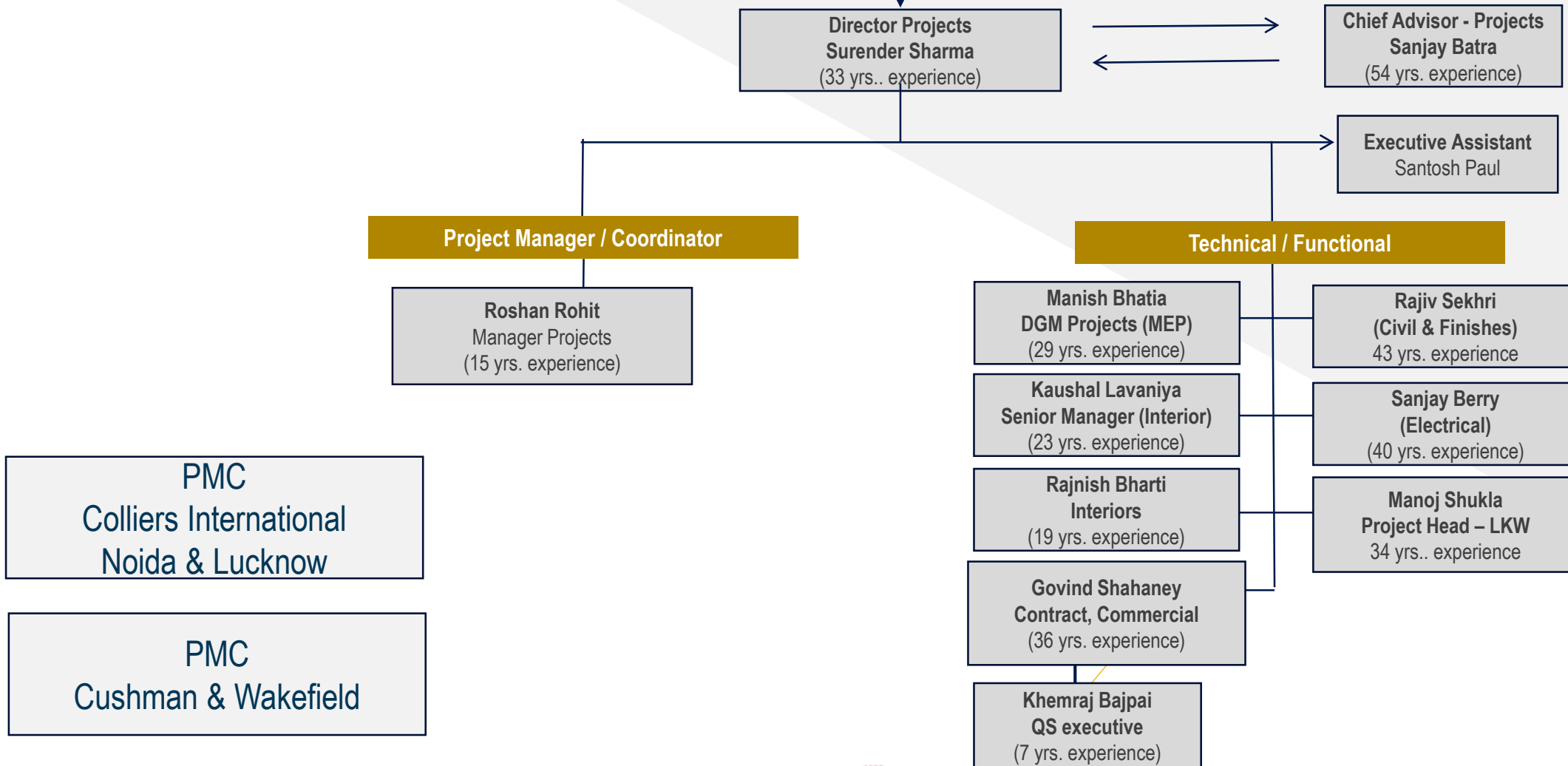
Team

Projects in hand

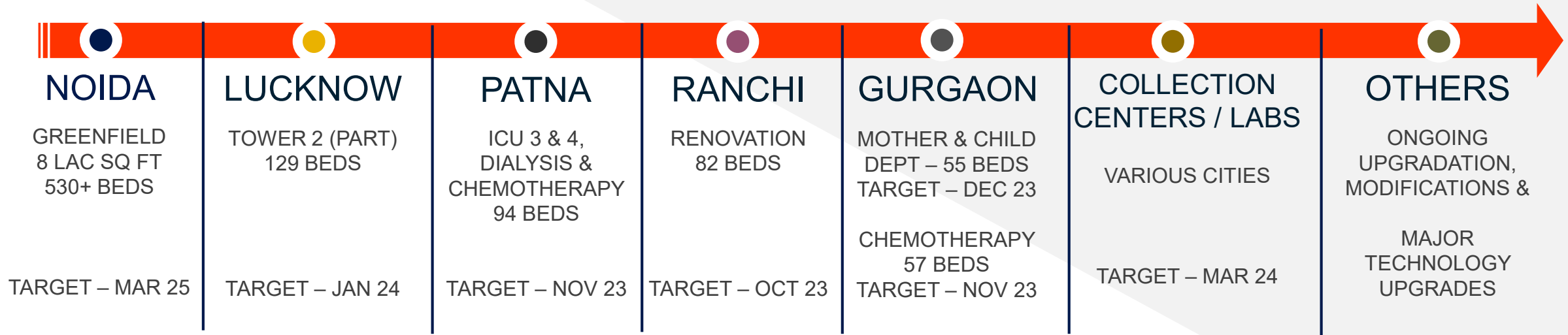
2023-24



# Team



# Projects in hand



## Projects under planning



# 2023-24





Thank you

