

I. **ENGINEERING MONITORING SERVICES**

ENGINEERING MONITORING SERVICES

Complete Engineering Monitoring Services	Fees
Co-ordination with soil Testing Consultants	
Tender schedule for Civil, electrical, plumbing and sanitary works,	
Tender drawings for all the above works Calling for tender	
Helping the client in identifying a contractor, electrical contractor, plumbing contractor, landscape consultant and landscape contractor Civil contractor Rate finalization	
<p>Site co-ordination and visit- which involves,</p> <ol style="list-style-type: none"> a. Checking the structural work done by the Civil Contractor. b. Ensuring the quality of work. c. Timely progress of work at site. d. Assisting the site engineers/Contractors in studying the drawings issued. e. Projecting and forecasting what are the drawings needed for the next schedule of work. 	

Site inspection to check

- a. After Marking
- b. After foundation & column reinforcement
- c. After Plinth beam concreting
- d. After roof slab shuttering/ reinforcement & during concreting
- e. During brickwork
- f. During Electrical & Plumbing first fix
- g. During Plastering
- h. During Painting & lighting
- i. During final fixture

Site Inspection report to the client

Digital Photography reports to the client about concrete work man ship, quality

Checking the quality of Contractor work

Checking of major contractor bills

- a. After basement filling & pile laying, column shoe marking.
- b. After Ground floor slab concrete
- c. After first floor roof slab concrete
- d. After brickwork
- e. After Internal and External plaster
- f. After Tiling
- g. After 1st coat of painting
- h. After Electrical wiring / plumbing concealed line
- i. After final fixtures
- j. After External works
- k. After Completion

Helping the client in identifying the materials and other queries,

- a. Flooring Materials like Italian Marble,

granite ,Toilet tiles, flooring,

- b. Sanitary fittings- toilet taps and other fittings.
- c. Electrical switches and electrical light Fittings, Air conditioning .
- d. Elevation facing material, painting Etc.
- e. Landscape design co-ordination.

Co-ordinating following consultants:

- a. Electrical consultant
- b. Air Conditioning consultant
- c. Plumbing consultant
- d. Landscape consultant
- e. Otherconsultant

Coordinating the following consultants and tying them with the respective contractors and ensure that the consultant and contractor synchronize and co-ordinate with each other.

Detail Supervision during all finishing works like flooring, painting, varnishing, stone facing, etc.,

Final bill checking and settlement of all contractor works

Role of Senior Engineer during the site visit:

Assigned Senior Engineer reporting to the client:

- 1.Site visit is schedules once in a week
2. The senior engineer shall call the client, civil contractor and the site supervisor before he visits the site, to fix a convenient date with senior Contractor and supervisor before the scheduled visit.
- 3.The senior engineer will also call the other small contractors, if any, like flooring, etc. and inform about the site meeting to make them attend the site meeting.

4. The senior engineer will post agenda of the meeting in all the relevant WhatsApp groups

5. The senior engineer will be accompanied along with junior architect who will carry relevant files and assist the senior engineer in all site meetings.

6. A detailed report of the discussion at the site meeting will be posted in WhatsApp Group, also an e-mail and a hard copy is sent to the Client, Civil Contractor and other Sub-contractors, if any.

7. The senior engineer will call the clients and report to them during the site visit.

8. The conversation between the client and the senior engineer will be posted in the relevant Whatsapp groups.

9. The site engineer will call the client and report about periodical drawings development and stage.

ENGINEERING MONITORING SERVICES- OPTION 2

Engineering monitoring for once in 10 days.

This monitoring does not involve bill checking.

This includes the following services,

<p>Site co-ordination and visit- once in 10 days which involves,</p> <ul style="list-style-type: none">a. Checking the structural work done by the Civil Contractor.b. Ensuring the quality of work.c. Timely progress of work at site.d. Assisting the site engineers/Contractors in studying the drawings issued.e. Projecting and forecasting what are the	
<p><u>Site inspection to check</u></p> <ul style="list-style-type: none">a. After Markingb. After foundation & column reinforcementc. After Plinth beam concretingd. After roof slab shuttering/ reinforcement & during concretinge. During brickworkf. During Electrical & Plumbing first fixg. During Plasteringh. During Painting & lightingi. During final fixture <p>Before Handover</p>	
<p>Site Inspection report to the client</p>	
<p>Digital Photography reports to the client about</p>	
<p>Checking the quality of Contractor work</p>	

Everyday monitoring involves,

- a. Everyday monitoring the project through whatsapp images sent by the site engineer.
- b. Everyday answering the queries raised by various contractors about the drawing doubts and execution of the problems etc.
- c. Answering telephone calls made by the site team and solving them.

Helping the client in identifying the materials and other queries,

- a. Flooring Materials like Italian Marble, granite ,Toilet tiles, flooring,
- b. Sanitary fittings- toilet taps and other fittings.
- c. Electrical switches and electrical light Fittings, Air conditioning .
- d. Elevation facing material, painting Etc.
- e. Landscape design co-ordination.

Co-ordinating following consultants:

- a. Electrical consultant
- b. Air Conditioning consultant
- c. Plumbing consultant
- d. Landscape consultantOtherconsultant

Coordinating the following consultants and tying them with the respective contractors and ensure that the consultant and contractor synchronize and co-ordinate with each other

Role of Senior Engineer during the site visit:

Assigned Senior Engineer reporting to the client:

- 1.Site visit is schedules once in a week
2. The senior engineer shall call the client, civil contractor and the site supervisor before he visits the site, to fix a convenient date with senior Contractor and supervisor before the scheduled visit.
- 3.The senior engineer will also call the other small contractors, if any, like flooring, etc. and inform about the site meeting to make them attend the site meeting.

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ENGINEERING MONITORING SERVICES- OPTION 3

Engineering monitoring for once in 20 days.

This monitoring does not involve bill checking.

This includes the following services,

Co-ordination with soil Testing Consultants.	
<p>Site co-ordination and visit- once in 20 days which involves,</p> <ul style="list-style-type: none"> a. Checking the structural work done by the Civil Contractor. b. Ensuring the quality of work. c. Timely progress of work at site. d. Assisting the site engineers/Contractors in studying the drawings issued. e. Projecting and forecasting what are the drawings needed for the next schedule of work. 	
<p><u>Site inspection to check</u></p> <ul style="list-style-type: none"> a. After Marking b. After foundation & column reinforcement c. After Plinth beam concreting d. After roof slab shuttering/ reinforcement & during concreting e. During brickwork f. During Electrical & Plumbing first fix g. During Plastering h. During Painting & lighting i. During final fixture <p>Before Handover</p>	
Site Inspection report to the client	
Digital Photography reports to the client about concrete work -manship, quality	
Checking the quality of Contractor work	
<p>Everyday monitoring involves,</p> <ul style="list-style-type: none"> a. Everyday monitoring the project through whatsapp images sent 	

<p>by the site engineer.</p> <ul style="list-style-type: none"> b. Everyday answering the queries raised by various contractors about the drawing doubts and execution of the problems etc. c. Answering telephone calls made by the site team and solving them. 	
<p>Helping the client in identifying the materials and other queries,</p> <ul style="list-style-type: none"> a. Flooring Materials like Italian Marble, granite ,Toilet tiles, flooring, b. Sanitary fittings- toilet taps and other fittings. c. Electrical switches and electrical light Fittings, Air conditioning . d. Elevation facing material, painting Etc. e. Landscape design co-ordination. 	
<p>Co-ordinating following consultants:</p> <ul style="list-style-type: none"> e. Electrical consultant f. Air Conditioning consultant g. Plumbing consultant h. Landscape consultant i. Otherconsultant <p>Coordinating the following consultants and tying them with the respective contractors and ensure that the consultant and contractor synchronize and co-ordinate with each other.</p> <p>Role of Senior Engineer during the site visit:</p> <p>Assigned Senior Engineer reporting to the client:</p> <ol style="list-style-type: none"> 1.Site visit is schedules once in a week 2. The senior engineer shall call the client, civil contractor and the site supervisor 	

before he visits the site, to fix a convenient date with senior Contractor and supervisor before the scheduled visit.

3. The senior engineer will also call the other small contractors, if any, like flooring, etc. and inform about the site meeting to make them attend the site meeting.

4. The senior engineer will post agenda of the meeting in all the relevant WhatsApp groups

5. The senior engineer will be accompanied along with junior architect who will carry relevant files and assist the senior engineer in all site meetings.

6. A detailed report of the discussion at the site meeting will be posted in WhatsApp Group, also an e-mail and a hard copy is sent to the Client, Civil Contractor and other Sub-contractors, if any.

7. The senior engineer will call the clients and report to them during the site visit.

8. The conversation between the client and the senior engineer will be posted in the relevant Whatsapp groups.

9. The site engineer will call the client and report about periodical drawings development and stage.

