
DRAFT : RECOMMENDED FEE FOR STRUCTURAL CONSULTANTS

- ISSE Committee

Indian Society of Structural Engineers (ISSE) has formulated a draft guideline for minimum fees to be charged by the structural engineers for various assignments. This is based on the feedback received from its members and based on the discussion during the committee meetings. ISSE members are requested to send their feedback and suggestions.

Scope of work for Structural Engineer

A) General scope of work

- 1) Preliminary Structural Layout Based Architect's requirement.
- 2) Finalize Structural lay out with Architect and Client.
- 3) Structural analysis, design, calculation, structural drawing (Excluding fabrication and bar banding schedule). Five sets of drawings will be provided by consultants.
- 4) Estimate of structural quantity for tender purpose.
- 5) Site visit during execution of work (two visits during foundation work and one visit per slab). Providing structural stability certificate.

B) Structural Audit and Inspection of Structure –

Study of existing drawings for the building, check for any additions and alteration based on data available, survey the building from inside and outside, mark the observations and distress on the available plans, take photographs during the survey for record, preparation and submission of audit report.

C) Project Management consultancy –

Coordinate with Client, Architect, Various consultants, Contractor. Conduct site meetings at suitable interval and make progress report for the work. Monitor the project by appointing site supervision staff on behalf of the client. Monitor project progress and update the barchart.

D) Peer review –

Overall assumptions, load data, framing plans prepared by main consultants will be reviewed briefly. Sample calculations will be checked along with sample member detailing will be reviewed. Based on the details provided a review report will be submitted indicating the observations and scope of improvement if any can be mentioned. Once the report is submitted ,the scope of peer review ends.

E) Proof checking –

All the design data, assumptions, analysis, design and drawings will be scrutinized in detail by the proof consultant. If required main consultant can be called for discussions and clarifications. Proof consultant may suggest some improvements in the design / drawings. Proof consultant will certify the design and drawing of the main consultant after the necessary revisions in design and drawings

Stages of payment after submitting following details	
1) Appointment	15%
2) Preliminary drawings and tender quantity	25%
3) Foundation	15%
4) Super structure	40%
5) Completion	5%

Note : Fees to be paid after completion of each stage of work or three months, which ever is earlier after submitting the bill, ir-respective of work progress at site.

Recommended minimum fees to be charged by Structural consultant

1)	Residential Buildings	Sq. Ft. Area	Rate Rs./ sq.ft.	Percentage of Total Structural Cost	Minimum	Remark
		Up to 5000	15.0	3%	Rs. 25,000/-	Scope A
		25,000	12.0	2%		
		50,000	10.0	2%		
		1 Lac	9.0	2%		
		2 Lac	8.0	-		
		5 Lac	7.0	-		
		Above 5 Lac	6.0			
		Extra for high rise building & its submission to high rise committee	4.0			

2)	Industrial Structures	B. UP area Sq.ft.	Normal Rs./Sq.ft.	(PEB / Shed) Rs./Sq.ft.	Minimum	Remark
		Up to 50,000	12	6	Rs.50,000/-	Scope A
		1L	10	5	2% of structural lost	
		Above 1L	8	4		

3)	Special Structure / Drawing basis			Minimum	Remark
I)	Per Drawing basis A 1	Rs. 35,000/-		Rs. 50,000/-	Scope A

4)	Fees Based on Man hours	As on 2011	Rs./hour		
I)	Principal Consultant		3000		
II)	Senior Structure Engineer		1500		
III)	Design Engineer		1000		
IV)	Sr. Draft man		750		
V)	Draftsman		500		

5)	Structural Audit				Minimum	Remark
I)	Based on area		Rs. 1.25/sq. ft.		Rs10,000/-	Scope B
II)	Based on Number of Flats		Rs. 750 per flat 2BHK			

6)	Visit Fees By Structural Engineers	Within MCGM limit	Out Station up to 150 KM	Long Distance beyond 150 Km		
	Principal Consultant	Rs. 3,500	Rs. 7,000	Rs. 10,000		Visit fees per person per day
	Senior Structural Engineer	Rs. 2,000	Rs. 4,000	Rs. 6,000		
	(Travel AC class, stay and local transport to be arranged by client)					

7)	Project Management Consultant	3% of overall cost	For total project coordination	Supervision site staff to be paid by client.	Minimum	Remark
I)	Based on Project Cost				Rs. 1,00,000/-	Scope C
II)	Man hour spend	Rs. Per hour				
	i) Site in - charge	1,500				
	ii) Site Engineer	1,000				
	iii) Site Supervisor	750				

8)	Inspection and Structural Stability Certificate			Minimum	Remark
I)	For Municipal Corporation		Depending on Area Rs. 1.25 per sq. ft.	Rs1,00,00/-	Scope B
II)	For Factory Inspector		Depending on Area Rs. 1.25 per sq. ft.		
III)	Other		Depends on Area, Spread, Responsibilities		

9)	Marine Structures		Percentage of Total Structural Cost 3% of cost	Minimum Rs. 1,00,000/-	Remark Scope A

10)	Bridge Design:		Percentage of Total Structural Cost 2% of cost	Minimum Rs. 1,00,000/-	Remark Scope A

11)	Peer Review (Residential & Commercial Building)	Rs. 2/ per sq. ft. or	20% of main consultant's fee	Minimum Rs25,000/-	Remark Scope D

12)	Proof Checking (Residential & Commercial Building)	Rs. 5/- per sq. ft. or	50% of main consultant's fees	Minimum Rs. 50,000/-	Remark Scope E

13)	Fees for repetitions of the design	Up to first five repetitions Beyond five repetitions	50% of fees for each repetition 25% of original fees for every repetition	Minimum	Remark The structure to be repeated must be exactly identical except foundation

14)	Fees for additional work due to changes in the design / layouts	Minor changes Major changes In the layout	15% of original fees 50% of original fees	Minimum	Remark