

REINFORCEMENT



**COMPLETING
YOUR DREAM
HOME ON TIME &
WITHIN BUDGET**

**BUILD SMART. FINISH
STRONG. STAY WITHIN
BUDGET.**

This month's edition focuses on practical strategies for:

Timely completion

Cost control

Structural quality assurance

Avoiding rework and waste

Managing contractors effectively

Building a home is one of the most important financial and emotional investments in a lifetime. Yet, across India, nearly 65% of individual home building projects face time delays, and over 70% exceed their original budgets.

Most delays and cost overruns arise from:

- Poor planning
- Uncontrolled design changes
- Improper material selection
- Weak site supervision
- Payment mismanagement
- Quality failures requiring rework

**At SK Super TMT,
we believe
structural
strength is not
just about steel
- it is about
discipline,
planning, and
execution
control.**

**Your dream home must
be strong in structure
and strong in execution.**

WHY PROJECTS GET DELAYED – ROOT CAUSE ANALYSIS

1. Lack of Detailed Planning Before Starting

Construction often begins without:

- Final architectural drawings
- Approved structural drawings
- Soil investigation report
- Detailed cost estimate
- Clear milestone schedule

Correction:

Complete all drawings and approvals before excavation begins.

2. Frequent Design Changes During Construction

Changing staircase location, adding a balcony, modifying slab openings – all increase cost and delay work.

Impact:

- Structural redesign
- Reordering materials
- Wastage of reinforcement steel
- Additional labour costs

Recommendation:

- Freeze design before foundation stage.

3. Improper Material Planning

Common issues:

- Steel not ordered in correct diameter mix
- Cement stored improperly
- Sand shortage mid-construction
- Over-ordering causing theft and rusting

Best Practice:

- Order reinforcement stage-wise
- Store SK Super TMT bars on raised platforms
- Maintain steel consumption register

4. Contractor Mismanagement

- No written contract
- No milestone-based payment
- Lack of supervision
- Labour fluctuation

Solution:

Adopt milestone-based payments linked to structural stages.



STRUCTURAL DISCIPLINE = TIME & COST CONTROL

Importance of Following Structural Drawings

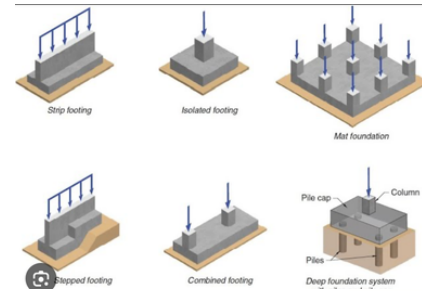
One of the biggest cost escalations happens due to:

- Changing bar diameter at site
- Increasing spacing arbitrarily
- Reducing lap length
- Ignoring cover blocks



These may appear small adjustments but can lead to:

- Structural distress
- Cracks
- Future repair costs
- Safety risks



Technical Reminder for Engineers & Contractors:

- ✓ Maintain designed bar diameter
- ✓ Follow specified spacing
- ✓ Ensure proper development length
- ✓ Maintain concrete cover
- ✓ Avoid unnecessary steel cutting



Quality reinforcement reduces rework — rework is the biggest enemy of budgets.

Why SK Super TMT Supports Timely Construction

- High yield strength
- Excellent bendability
- Uniform rib pattern for better bonding
- Reduced wastage due to precise rolling
- Superior corrosion resistance

Reliable steel ensures structural confidence and long-term durability.

BUDGET CONTROL STRATEGY – PRACTICAL GUIDE

1. Prepare a Detailed Cost Estimate

Include:

- Excavation
- Foundation concrete
- Reinforcement quantity (kg per sq.ft.)
- Shuttering
- Masonry
- Plumbing
- Electrical
- Finishing

Thumb Rule:

For a typical G+1 residential building:

- Steel consumption: 3.5 to 4.5 kg per sq.ft.
- Concrete grade: Minimum M20 for slabs



3. Avoid Cash Flow Gaps

Delays often occur due to:

- Fund shortage mid-project
- Bank loan disbursement delays

Plan liquidity before slab casting stage.

2. Adopt Stage-Wise Budgeting

Divide project into:

1. Foundation stage
2. Plinth stage
3. Ground floor slab
4. First floor slab
5. Brickwork
6. Finishing

Release payments only after stage verification.

4. Avoid False Economy

Choosing low-cost steel or cement to save small amounts can cause:

- Structural cracks
- Early corrosion
- Repair expenses
- Reduced life of building

Quality materials reduce lifecycle cost.



SITE CHECKLIST FOR TIMELY COMPLETION

Pre-Construction Checklist

- Soil test report available
- Structural drawings approved
- Material storage area prepared
- Water source arranged
- Temporary power supply ready

During Construction Checklist

- Reinforcement checked before concreting
- Slab level verified
- Concrete properly vibrated
- Curing minimum 7–14 days
- Steel protected from rust

Post-Structural Stage

- No unauthorized wall removal
- No drilling in beams
- No cutting of columns

Curing Discipline = Crack-Free Structure

Improper curing causes:

- Shrinkage cracks
- Surface dusting
- Reduced strength

Ensure:

- Pond curing for slabs
- Wet gunny bags for beams
- Minimum 7 days curing (OPC), 10–14 days preferred



BUILD WITH CONFIDENCE

Completing a home on time and within budget is not luck. It is the result of:

- Engineering discipline
- Quality materials
- Clear supervision
- Payment control
- Structural integrity

Remember:

Delay increases:

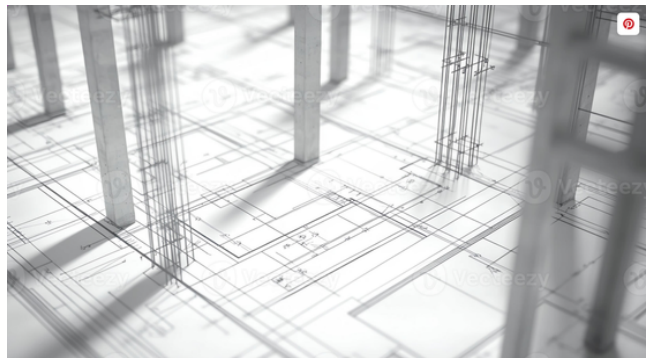
- Labour cost
- Rental cost
- Interest burden
- Material price escalation

Every month of delay can increase overall project cost by 2–5%.

SK SUPER TMT PROMISE

We stand for:

Strength
Reliability
Structural safety
On-time execution support
Technical awareness



A strong foundation begins with the right reinforcement.

APRIL CONSTRUCTION TIP

**“Plan completely. Execute systematically. Monitor daily.
Quality steel + disciplined construction = Timely dream home.”**

Contact SK Super TMT

For technical guidance, dealer network, and project support.

Build Strong. Build Smart. Build with Confidence.