



CLIENT NAME

Mr. Rahul & Priya Sharma

PROPERTY & SOCIETY

Flat 1402, ATS One
Hamlet, Sec 104

AUDITED AREA

Living + Dining (240.0
Sq.Ft)

₹199 AUDIT STATUS

Paid (100% Invoice
Credit)

Site Audit & Ceiling Feasibility Report Card

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A plain-English evaluation of your room's structural and physical parameters, showing exactly what is safe, what needs attention, and what will look best in your home.

01 Room Dimensions & Ceiling Area

✓ Accurate Laser Span

MEASURED SPAN

20' 0" x 12' 0"

NET CEILING AREA

240.0 Sq.Ft

ROOM LAYOUT

Living + Dining

What this means for you: Your room has a balanced rectangular proportion. We recommend a sleek perimeter L-box cove running along the outer walls, leaving the central 17-foot ceiling plane open and flush. This visually unifies living and dining without making the space feel crowded.

02 Slab Height & Headroom Clearance

• Optimal Clearance

RAW SLAB HEIGHT

9' 8.0" (2,945 mm)

RECOMMENDED DROP

4.5 Inches (115 mm)

FINISHED HEADROOM

9' 3.5" (Spacious)

What this means for you: Your flat has generous vertical clearance. A 4.5-inch false ceiling drop easily conceals indirect LED light coves, heavy curtain track pelmets, and wiring—leaving over 9 feet 3 inches of clear vertical space so your living room feels tall, open, and airy.

03 Ceiling Dampness & Moisture Scan

⚠ 1 Pre-Fix Action (AC Drain)

MAIN RCC SLAB

8.4% MC (Dry — Safe)

PLUMBING SHAFT

9.6% MC (Zero Leak)

AC DRAIN CORE-CUT

21.5% MC (Condensation)

What this means for you: 95% of your ceiling slab is completely dry with zero seepage from upper floors. We detected minor moisture around the AC copper/drain sleeve due to uninsulated condensation. **Action:** Our team will wrap the AC drain pipe with a 9mm closed-cell nitrile sleeve and seal the core-cut before closing the ceiling, ensuring no brown moisture spots ever stain your paint.



04 Calculated Light Quantity (Lux Level)

✓ Scientifically Calibrated

LIVING LUX TARGET

220 – 250 Lux

TOTAL LUMINOUS FLUX

5,400 Lumens

DINING FOCUS TARGET

320 Lux (Feature Accent)

What this means for you: A single bright bulb or tube creates harsh shadows and glaring reflections. By calculating exact room lux, we distribute 5,400 lumens across soft indirect ceiling reflections and focused downlights, giving balanced illumination without feeling like an office or showroom.

05 Recommended Lights, Tone & Strobe Safety

✓ Zero Fan-Blade Strobe Flicker

FIXTURE COUNT

8 Spots + 24m Cove

LIGHT TONE MIX

Dual Tone (3000K & 4000K)

FAN BUFFER SPACE

≥15 Inches (Strobe-Free)

What this means for you: We recommend **3000K Warm White** for the perimeter cove for relaxed evening mood lighting, paired with **4000K Natural White** downlights for dining and reading. Crucially, all 8 spotlights sit at least 15 inches outside your fan blades so you never get that annoying strobe flicker shadow when the ceiling fan spins.

RENOWIX ENGINEERING RECOMMENDATION

Gypsum Single-Step Perimeter Cove with Concealed Curtain Pelmet

Constructed on heavy 1.5kg GI metal framework locked at a rigid 18-inch grid with 100% moisture-grade Saint-Gobain Gyproc board. Prevents ceiling sag, stops joint cracks, and complies fully with ATS society high-rise noise and dust protocols.

YOUR ₹199 AUDIT VALUE

100% Credited

Deducted from Stage 1 bill

✓ PRE-EXECUTION SITE HEALTH & SOCIETY PROTOCOL CHECKLIST

✓ 360° Laser Datum

Locked @ 2,830 mm;
resolves 18mm RCC
deflection.

⚠ AC Drain Sleeve

9mm nitrile insulation sleeve
before board fixing.

✓ Fan Strobe Space

All 8 downlights spaced ≥15"
outside fan sweep.

✓ RWA Noise Hours

10:00 AM – 5:30 PM drilling
with lift protection.

TECHNICAL AUDIT CERTIFIED BY

Lead Site Engineer — Renowix Noida Hub

Diagnostic Division · Sector 51 Technical Operations

Authorised Signature: _____ Date: 22 Oct 2026

CLIENT ACKNOWLEDGED & AUTHORIZED

Mr. Rahul & Priya Sharma

Flat 1402, ATS One Hamlet, Sector 104, Noida

Client Signature: _____ Date: _____