**Terrace Water Proofing Preventive and Periodical Checks & Maintenance during CAMC Period (6th, 7th, 8th, 9th & 10th year) at Quarterly interval for every year from 6th to 10th year:**

***Note: The Unconditional Warranty is applicable as per Agreement - Section-IV - General Conditions of Contract – Clause:15.***

**Pre-Monsoon Inspection Schedule:**

**1. Visual Inspection:**

- Check terrace surface for cracks, blistering, or peeling of waterproofing membrane and seal cracks with appropriate sealants and apply a fresh coat of waterproofing membrane where necessary.

- Inspect parapet walls, edges, and corners for signs of damage and repair damaged areas with suitable materials and ensure proper sealing to prevent water ingress.

- Ensure all drainage outlets are clear of debris and functioning properly, and clear debris from drains and ensure proper flow by flushing with water or using a plumbing snake if necessary.

**2. Detailed Inspection:**

- Examine flashings, corners, and terminations for gaps or deterioration, replace damaged flashings, and apply sealants to gaps using compatible materials.

- Inspect expansion joints for proper sealing and flexibility and apply flexible sealants or membrane patches to ensure proper sealing of expansion joints.

- Check for any signs of vegetation growth or roots penetrating the waterproofing layer, remove vegetation, and apply root barriers or chemical treatments to prevent regrowth.

**3. Moisture Inspection:**

- Inspect to detect hidden leaks or moisture buildup, and address leaks promptly by repairing damaged areas and improving drainage as necessary.

- Inspect interior walls and ceilings for signs of water stains or dampness, investigate the source of moisture ingress, and repair any leaks in the waterproofing system or plumbing.

**4. Testing:**

- Conduct a water hose test to simulate heavy rainfall and identify any leaks, identify the source of leaks, and repair using appropriate sealants or membrane patches.

- Check for proper functioning of drainage systems under simulated rainfall conditions, clear blockages from drains and gutters, and ensure proper slope for efficient water flow.

**5. Repair and Maintenance:**

- Seal any cracks or gaps in the waterproofing membrane with appropriate sealants, seal cracks with elastomeric sealants, and apply additional layers of waterproofing membrane as needed.

- Check gutters and downspouts to ensure efficient water drainage.

- Replace damaged or deteriorated flashing materials, replace damaged flashings with new materials, and ensure proper sealing to prevent water infiltration.

**Monsoon Inspection Schedule:**

**1. Exterior Waterproofing:**

- Inspect roof surface for ponding water and ensure proper slope for drainage, improve roof slope, or install additional drainage outlets to prevent water pooling.

- Check gutters and downspouts for blockages and ensure water is directed away from the building, clear blockages on roof top, and redirect downspouts to ensure proper drainage away from the structure.

- Examine exterior walls and foundation for signs of water infiltration or damage, repair cracks or gaps in walls and foundation using waterproofing sealants or membranes.

**2. Interior Check:**

- Inspect interior walls and ceilings for water stains or peeling paint indicative of leaks, repair leaks in the waterproofing system, and address any plumbing issues contributing to moisture ingress.

- Verify the functioning of interior drainage systems and sump pumps, test and maintain sump pumps and interior drainage systems to ensure proper functioning during heavy rainfall.

**3. HVAC and Ventilation:**

- Ensure HVAC systems are properly draining condensation and not contributing to indoor humidity levels, improve ventilation to reduce moisture buildup.

- Check ventilation systems in bathrooms and kitchens for proper operation to prevent moisture buildup, repair or replace faulty ventilation components to improve airflow and reduce moisture levels.

**Post-Monsoon Inspection Schedule:**

**1. Visual Inspection:**

- Reinspect terrace surface for any new damage or deterioration caused by heavy rainfall, repair damaged areas and apply additional waterproofing membrane as needed.

- Check for signs of water stains or dampness on interior walls and ceilings, investigate the source of moisture ingress and address any leaks or waterproofing deficiencies.

**2. Detailed Inspection:**

- Verify the effectiveness of previous repairs and sealants applied during pre-monsoon checks, reapply sealants or membrane patches using improved techniques or materials to ensure long-lasting waterproofing.

- Inspect flashings and terminations for any damage or separation and ensure proper sealing to prevent future water infiltration.

**3. Moisture Inspection:**

- Inspect to confirm the absence of leaks or moisture buildup, improve ventilation and address any remaining leaks in the waterproofing system or plumbing.

- Inspect interior walls and floors for any residual signs of water infiltration, address any remaining leaks or moisture issues to prevent further damage and Mold growth.

**4. Repair and Maintenance:**

- Address any new cracks, leaks, or damage identified during post-monsoon inspections, seal cracks and repair leaks promptly to prevent further water damage.

- Replace or repair any deteriorated waterproofing materials or sealants, replace damaged materials with high-quality, long-lasting products to ensure effective waterproofing.