

## **SPECIAL CONDITIONS FOR CONTRACTOR**

### **1. Scope of Work**

The contractor shall execute the Pavement Quality Concrete (PQC) road work strictly as per approved drawings, technical specifications, tender conditions, instructions of Engineer-in-Charge, and applicable IRC/MORTH standards.

### **2. Site Inspection Before Quoting**

The contractor shall visit the site before submission of tender and shall fully satisfy himself regarding site conditions, existing road level, approach, working space, drainage, utility lines, material storage area, labour arrangement, and other local conditions. No claim shall be entertained later on account of ignorance of site conditions.

### **3. Protection of Existing Utilities**

During execution of work, if any existing utility line such as water line, drainage line, electrical cable, telephone cable, gas line, or any other service line is damaged, disturbed, or demolished due to contractor's work, the same shall be repaired, restored, or replaced by the contractor at his own cost and responsibility. No extra payment shall be made for the same.

### **4. Setting Out and Levels**

The contractor shall carry out proper line, level, alignment, camber, gradient, and formation marking before commencement of work. All levels shall be verified and approved by the Engineer-in-Charge before laying DLC/PQC. Any error in line or level shall be rectified by the contractor at his own cost.

### **5. Subgrade Preparation**

The existing ground/subgrade shall be properly dressed, watered, compacted, and prepared as per required compaction standards. Soft patches, loose soil, unsuitable material, or weak strata observed during execution shall be removed and replaced with approved suitable material as directed by the Engineer-in-Charge.

### **6. Material Quality**

All materials such as cement, coarse aggregate, fine aggregate, water, admixture, dowel bars, tie bars, curing compound, joint filler, sealant, and reinforcement, wherever applicable, shall be of approved quality and shall conform to relevant IS/IRC/MORTH specifications. The contractor shall submit material test reports and source approval before use.

### **7. Concrete Mix Design**

The contractor shall submit the approved concrete mix design for PQC before commencement of concrete work. No PQC work shall be started without approval of mix design from the Engineer-in-Charge/consultant. Any change in material source shall require revised approval.

**8. Batching and Mixing**

Concrete shall be produced through approved batching plant or weigh batching system only. Nominal mixing or hand mixing shall not be permitted for PQC work unless specifically approved in writing.

**9. DLC/PQC Laying Condition**

PQC shall be laid only after proper inspection and approval of the underlying layer. The surface shall be clean, levelled, compacted, and free from dust, loose particles, mud, stagnant water, or any deleterious material.

**10. Dowel Bars and Tie Bars**

Dowel bars and tie bars shall be provided strictly as per approved drawing, spacing, diameter, length, and alignment. Dowel bars shall be properly coated/greased/sleeved wherever required to allow movement at expansion/contraction joints.

**11. Joint Cutting and Sealing**

Transverse and longitudinal joints shall be cut at required spacing, depth, and timing as per specification to avoid random cracks. Joint filling/sealing shall be carried out with approved sealant material after cleaning the joints properly. Any uncontrolled cracking due to delay or improper joint cutting shall be rectified by the contractor at his own cost.

**12. Compaction and Finishing**

Concrete shall be properly placed, compacted, vibrated, levelled, and finished using suitable equipment. Surface shall be true to line, level, camber, and gradient. Honeycombing, segregation, uneven surface, excess laitance, or poor finishing shall not be accepted.

**13. Curing**

Proper curing shall be carried out immediately after finishing of PQC surface by ponding, wet hessian cloth, curing compound, or any approved method as directed. Curing shall be maintained for the required period. Failure in curing resulting in cracks, surface defects, or strength loss shall be the contractor's responsibility.

**14. Traffic Restriction**

No vehicular traffic shall be allowed on freshly laid PQC until the concrete achieves the required strength and permission is given by the Engineer-in-Charge. The contractor shall provide barricading, caution boards, diversion signs, and safety arrangements at his own cost.

**15. Testing and Quality Control**

The contractor shall arrange all required tests such as gradation, cement test, aggregate test, water test, slump test, cube/beam strength test, core test, thickness verification, level checking, and surface regularity test as directed. Testing charges shall be borne by the contractor unless specified otherwise in the tender.

16. **Thickness and Strength Requirement**

The thickness and grade of PQC shall be as per approved drawing and tender specification. If the executed thickness, level, line, or strength is found below the required specification, the defective work shall be removed and reconstructed by the contractor at his own cost.

17. **Water Drainage During Work**

The contractor shall ensure proper temporary drainage during execution. Water stagnation near subgrade, DLC, or PQC work shall not be permitted. Any damage due to improper drainage or rainwater accumulation shall be rectified by the contractor at his own cost.

18. **Work During Rain or Adverse Weather**

Concreting shall not be carried out during heavy rain, waterlogging, extreme temperature, or unsuitable weather conditions. If concrete is damaged due to rain or improper protection, the same shall be removed and redone by the contractor without extra cost.

19. **Safety and Barricading**

The contractor shall provide adequate safety measures, barricading, warning boards, night reflectors, labour PPE, lighting, and traffic control arrangements during the work. Any accident, damage, or loss due to negligence shall be the sole responsibility of the contractor.

20. **Cleaning of Site**

The contractor shall keep the site clean during and after completion of work. All debris, waste concrete, rejected material, surplus excavated material, and temporary arrangements shall be removed from site at contractor's own cost.

21. **Defect Liability**

Any settlement, cracking, scaling, joint failure, surface defect, pothole, undulation, or other defect observed during the defect liability period shall be rectified by the contractor at his own cost to the satisfaction of the Engineer-in-Charge.

22. **No Extra Claim**

No extra claim shall be entertained for minor site adjustments, working in restricted areas, shifting of materials, curing arrangements, barricading, testing, protection of utilities, or rectification of defective work unless specifically approved in writing by the competent authority.

During the course of construction work, if any existing utility line, service line, pipeline, cable, drainage line, water supply line, electrical line, or any other public/private utility is damaged, disturbed, or demolished due to the contractor's work, the same shall be repaired, restored, or replaced by the contractor at his own cost and responsibility. No additional payment shall be made for such repair or restoration work, and the contractor shall ensure that all

utilities are reinstated to their original working condition to the satisfaction of the concerned authority/department.

**23. Completion and Handover**

After completion, the contractor shall submit necessary test reports, measurement records, level records, and completion details. Final payment shall be subject to satisfactory completion of work, quality approval, and removal of defects, if any.

**Signature of Contractor**