

94. READY MIXED CONCRETE (RMC) SHALL BE USED FROM RMC PLANTS APPROVED BY CWE. WHILE APPROVING, CWE SHALL ENSURE FOLLOWING:-
- (a) RMC PLANT SHALL HAVE QUALITY MANAGEMENT SYSTEM (ISO 9001) FROM BUREAU OF INDIAN STANDARDS. COPY OF SAME SHALL BE KEPT ON RECORD.
  - (b) QUALITY MANUAL SHALL INCLUDE PROVISION FOR STRICT COMPLIANCE TO CLAUSE 9, 10, 11, 12 AND 13 OF IS 4926:2003. CWE SHALL ALSO CHECK COMPLIANCE TO IS CLAUSES 9, 10, 11, 12 AND 13 OF IS 4926:2003 AND SHALL KEEP RECORD OF VISIT.
  - (c) THE LABORATORY AT PLANT SHALL HAVE CERTIFICATION FROM NABAL. A COPY OF SAME SHALL BE KEPT ON RECORD.
  - (d) ALL SCALES SHALL BE TESTED AND CALIBRATED AS PER ANNEXTURE - E OF IS 4926:2003 BY GOVT ENGINEERING COLLEGE OR GOVT LABORATORY. A COPY OF SAME SHALL BE KEPT ON RECORD.
  - (e) NATURE AND SOURCE OF EACH CONSTITUENT MATERIAL SHALL BE AS PER IS:456. PPC CEMENT, IF USED; SHALL HAVE FLY ASH MIXED WITH CLINKER. FLY ASH MIXING AT RMC PLANT SHALL NOT BE PERMITTED.
95. GARRISON ENGINEER SHALL TEST THE CONSTITUENT MATERIALS OF RMC INDEPENDENTLY AT PRESCRIBED FREQUENCES IN QUALITY ASSURANCE MANUAL OF MES.
96. GARRISON ENGINEER SHALL SPECIFY AND PROVIDE DETAILS OF CONCRETE MIX AS PER ANNEXTURE - D OF IS 4926:2003 TO RMC PLANT PRODUCER.
97. RMC SHALL BE TRANSPORTED IN A TRUCK - MIXER ONLY.
98. FOR ASSESSMENT OF COMPLIANCE OF RMC, THE POINT AND TIME OF SAMPLING SHALL BE AT DISCHARGE FROM THE MIXER TO THE SITE. THE SAMPLING SHALL BE CARRIED OUT JOINTLY BY ENGINEER-IN-CHARGE AND RMC PRODUCER. MINIMUM TESTING FREQUENCY SHALL BE ONE SAMPLE FOR FOR EVERY 50 CUBIC METRE OF PRODUCTION OR EVERY 50 BATCHES, WHICHEVER IS THE GREATER FREQUENCY. BATCH MEANS THE QUANTITY OF CONCRETE CONVEYED READY - MIXED IN A VEHICLE.
99. IMMEDIATELY BEFORE DISCHARGING THE CONCRETE AT THE POINT OF DELIVERY, ENGINEER-IN-CHARGE SHALL RECIEVE THE PRE PRINTED DELIVERY TICKET FOR EACH DELIVERY OF CONCRETE ON WHICH IS PRINTED, STAMPED OR WRITTEN THE MINIMUM INFORMATION DETAILED AS PER ANNEX - G OF IS 4926:2003. ENGINEER-IN-CHARGE SHALL KEEP THE DELIVERY TICKET ON CHARGE AFTER SIGNING THE SAME AND DULY MARKING DATE AND TIME.
100. CONCRETING SHOULD BE AVOIDED WHEN TEMPERATURE IS MORE THAN 40° C. THE IDEAL TEMPERATURE RANGE FOR CONCRETING IS FROM 15°C TO 25°C GENERALLY, SHOULD THEREFORE BE CARRIED OUT DURING THE EARLY HOURS OF THE DAY. IN ADDITION TO HIGH HUMIDITY LEVEL (AROUND 90%) AND ABSENCE OF WINDY CONDITIONS. HENCEFORTH CONCRETING WORK MUST BE CARRIED OUT EITHER DURING HOURS OF THE DAY OR DURING THE EVENING (KEEPING WATER AND AGGREGATESS COOL PROTECTING FROM THE SUN).
101. THE CONCRETING DONE DURING SUMMER SHOULD BE IMMEDIATELY PROTECTED AGAINST SUN AND HARD BLOWING WIND (APPROX AFTER TWO TO THREE HRS OF MIXING) USING GUNNY BAGS ETC SO THAT WATER COMING ON TOP OF CONCRETE AFTER BLEEDING IS NOT EVAPORATED BEFORE SETTING OF CONCRETE.
102. CURING SHOULD BE STARTED SOON AFTER SETTING OF CONCRETE (APPROX 8 TO 10 HRS AFTER MIXING) THROUGH FREQUENT SPRINKLING OF WATER ON GUNNY BAGS SO THAT CONCRETE REMAINS CONSTANTLY WET..
- LINTEL**
103. A HORIZONTAL MEMBER, USUALLY OF REINFORCED CEMENT CONCRETE CAST-IN-SITU WHICH IS, PLACED ACROSS THE OPENING TO SUPPORT WALL OVER IT. (REF FIG. NO-10)
104. FOR DETAILS OF LINTELS FOR FRAME STRUCTURE AND LOAD BEARING STRUCTURE, TABLE NO-4 & 5 SHALL FOLLOWED AND REFER FIG. 36,37,& 38 .

SNO.	DATE	DESCRIPTION	BY .DIR	DIR(DES)
REVISIONS				
DATE.	30 MAY 2024	CHIEF ENGINEER JALANDHAR ZONE		
DRN	POOJA T			
TCD				
CKD				
SCALE	AS SHOWN	<b>TYPICAL R.C.C. DETAILS</b>		
SHT SIZE	A3			
<i>Bansal</i> AAD (DESIGN)		READY MIX CONCRETE		
<i>U...</i>		DRG. NO.	SHEET NO.	
DIR (DESIGN) FOR CHIEF ENGINEER			22/34	
		DRG NO CEJZ / STD- 422/24		