

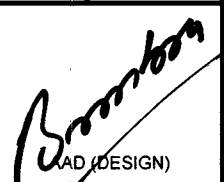

FORM WORK

21. IN ORDER TO ENSURE SAFETY OF MEN, MATERIAL AND EQUIPMENT AND TO HAVE GOOD QUALITY FINISHES, IT HAS BEEN DECIDED THAT PROPERLY DESIGNED STEEL FORMWORK (BOTH VERTICALS PROPS AND SURFACES) WILL ONLY BE USED IN ALL WORKS.
22. ALL MATERIAL FOR ANY SCAFFOLD SHALL BE INSPECTED BY ENGINEER-IN-CHARGE ON EACH OCCASION BEFORE USING. NO SCAFFOLD SHALL BE USED UNLESS A REPORT OF RESULT OF SUCH INSPECTION CERTIFYING THAT SCAFFOLD IS SUITABLE FOR USE SIGNED BY ENGINEER-IN-CHARGE HAS BEEN ENTERED INTO WORKS DAIRY TO BE KEPT AT THE WORKSITE. ENGINEER IN CHARGE SHALL RECORD FORM WATCH REPORT AS PER ANNEX-C OF IS:14687:1999 (RE-AFFIRMED 2019).
23. THE FORMWORK SHALL BE DESIGNED AND CONSTRUCTED SO AS TO REMAIN SUFFICIENTLY RIGID DURING PLACING AND COMPACTING OF CONC AND SUCH AS TO PREVENT LOSS OF SLURRY FROM THE CONC.
24. THE FACE OF FORMWORK IN CONTACT WITH THE CONCRETE SHALL BE CLEANED AND TREATED WITH FORMWORK RELEASE AGENT. THE RELEASE AGENT SHOULD BE APPLIED SO AS TO PROVIDE A THIN UNIFORM COATING TO THE FORMS WITHOUT COATING THE REINFORCEMENT.
25. THE FACE OF THE FORMWORK IN CONTACT WITH THE CONC SHALL BE CLEANED AND TREATED WITH FORM RELEASE AGENT. THE RELEASE AGENT SHOULD BE APPLIED SO AS TO PROVIDE A THIN UNIFORM COATING TO THE FORM WITHOUT COATING THE REINFORCEMENT.
26. FORM WORK SHALL NOT BE RELEASED UNTIL THE CONCRETE AS ACHIEVED A STRENGTH OF AT LEAST TWICE THE STRESS TO WITCH THE CONCRETE MAY BE SUBJECTED AT THE TIME OF REMOVAL OF FORM WORK.
27. MINIMUM PERIOD BEFORE STRIKING FORM WORK (REF TABLE - 3.) AND MAY BE INCREASED BY GE, DEPENDING UPON THE SITE CONDITION, WEATHER,TYPE OF CEMENT USED , ETC .

TABLE :- 2 (REFER CI 11.3.1 OF 15456-2000)

SL NO.	TYPE OF FORM WORK	MINIMUM PERIOD BEFORE STRIKING FORM WORK	
		(3) FOR CONCRETE MADE USING OPC	(4) FOR CONCRETE MADE USING CEMENT OTHER THAN OPC OR USING MINERAL ADMIXTRE LIKE FLYASH & SLAG
(a)	VERTICAL FORM WORK TO COLUMNS , WALLS , BEAMS .	16-24 h	16-24 h
(b)	SOFFIT FORMWORK TO SLAB (PROPS TO BE REFIXED IMMEDIATELY AFTER REMOVAL OF FORM WORK)	3 DAYS	7 DAYS
(c)	SOFFIT FORM WORK TO BEAMS (PROPS TOBE REFIXED IMMEDIATELY AFTER REMOVAL OF FORM WORK)	7 DAYS	10 DAYS
(d)	PROPS TO SLAB : (i) SPANNING UPTO 4.5 m (ii) SPANNING OVER 4.5 m	7 DAYS	10 DAYS
		14 DAYS	14 DAYS
(e)	PROPS TO BEAM AND ARCHES : (i) SPANNING UPTO 6 m (ii) SPANNING OVER 6 m	14 DAYS	14 DAYS
		21 DAYS	21 DAYS

NOTE:- UTMOST CARE SHALL BE TAKEN TO PROVIDE PROPS. THE PROPS SHALL BE PROVIDED IMMEDIATELY AFTER STRIPPING EACH SHUTTERING PANEL AND NOT AFTER STRIPPING ALL THE PANELS OF ENTIRE SLAB.

SNO.	DATE	DESCRIPTION	DY .DIR	DIR(DES)
			INITIAL	
REVISIONS				
DATE	30 MAY 2024	CHIEF ENGINEER JALANDHAR ZONE		
DRN	POOJA T			
TCD				
CKD				
SCALE	AS SHOWN		TYPICAL R.C.C. DETAILS	
SHT SIZE	A3			
 DIR (DESIGN)		FORM WORK		
 DIR (DESIGN) FOR CHIEF ENGINEER		DRG. NO.	SHEET NO.	
		DRG NO CEJZ / STD-422 /24	3/34	