

Schedule 17: Technical Audit Report

(Refer Regulation no.4.3, 4.4)

1	Design	Comments
	Design / Drawings available?	Y/N
	Design Category	
	Type Design?	Y/N
	Specific Design	Design to be collected to refer to Design Consultant /H.O.
	Drawing prepared/checked by competent Authority?	Y/ N
	Design Drawing/details	Y/ N
	Structural details included	Y/ N
	Earthquake/cyclone resistant features Included?	Y/ N
	Design verified/vetted by Dept./Govt. approved agency/competent authority?	Y/N
	Design changes approved by Dept./Govt. approved agency/competent authority	Y/N
2	Foundation	
	(2.1) Foundation used	Existing/ New
	(2.2.1) If existing foundation used	
	(2.2.1) Depth of foundation below ground	: <50 cm @ 50-70/> 70cm
	(2.2.2) Type of masonry	: Stone / Bncks / PCC Blocks
	(2.2.3) Thickness of masonry (above ground)	: 23cin /35 />35
	(2.2.4) Mortar used	Cement – Sand
	(2.2.5) Mix of cement mortar	As per NBC Indicate
	(2.2.6) Height up to Plinth	_____ Mtr. As per GDCR Y/N
	(2.2.7) If stone masonry	
	(2.2.7.1) Through Stones	Yes / No. If Yes Adequate/Inadequate
	(2.2.7.2) Corner Stones	Yes / No. If Yes Adequate/Inadequate
	(2.3) If a new foundation used	
	(2.3.1) Depth of foundation below ground	<50/50-70/>70 cm
	(2.3.2) Type of masonry blocks	Stone / bricks / PCC
	(2.3.3) Thickness of Masonry above plinth -	23cm/35/>35cm
	(2.3.4) Mortar used •	Cement-sand / lime / mud
	(2.3.5) Mix of cement mortar (1:4)/As Per NBC	Yes/No
	(2.3.6) Height up to plinth	_____ Mtr, As per GDCR Y/N

	(2.3.7) If stone masonry	
	(2.3.7.1) Through Stones	Yes / No. If Yes Adequate/Inadequate
	(2.3.7.2) Comer Stones	Yes / No. If Yes Adequate/Inadequate
	(2.4) Vertical reinforcement in foundation	: Yes ./ No
3	Walling	
	(3.1) Type of masonry	: Stone/ Brick / PCC Blocks
	(3.2) Mortar used	: Cement- sand / Lime / Mud
	(3.3) Mix of cement mortar	: 1:4 /1:1.6/Leaner
	(3.4) Thickness of wall	: >23cm/23cm/23cm
	(3.5) Mixing of mortar	: OK /Not OK
	(3.6) Join property filled	: OK /Not OK
	(3.7) Wetting of bricks	: Good / Medium / Poor
	(3.8) 1 stone masonry	
	(3.8.1) Through Stones	: Yes/No
	(3.8.2) Corner Stones	: Yes / No
	(3.9) Overall workmanship	Good / Medium / Poor
4	Roofing	
	(4.1) Type of roof	: Flat / Sloping
	(4.2) If sloped	: Morbid tiles / AC. sheet / G.I. sheet
	(4.3) Purlins	: Angle-
		Iron / Timber / NA
	(4.4) Truss type	
	(4.5) Anchorage with wall	: Adequate / Inadequate / NA
5	Materials	: Specifications must be conforming to NBC/Relevant IS Codes
	(5.1) Cement	
	(5.1.1) Source	Authorised Dealer / Market OPC/PPC/ PSC
	(5.1.2) Type of cement	Grade (33 / 43 / 53)
	(5.1.3) If OPC	OPC / PPC/ PSC
	(5.2) Sand	
	(5.2.1) Type of sand	Mild / Moderate / High

(5.2.2) Presence of deleterious materials	
(5.3) Coarse Aggregates	
(5.3.1) Type coarse Aggregates	Gravel / Crushed Stone
(5.3.2) Presence of deleterious material	Mild / Moderate / High
(5.4) P.C.C. Blocks (Applicable for onsite production)	
(5.4.1) Type of P.C.C. Blocks	Solid blocks/Hollow blocks
(5.4.2) Ratio of concrete in block	
(5.4.3) Interlocking feature	Yes / No
(5.4.4) Course aggregates used	Natural / Crushed stone
(5.5) Bricks Blocks, Stone etc.	
(5.5.1) Strength (field assessment)	Low / Medium / High
(5.5.2) Dimensional accuracy	Yes / No
(5.6) Concrete	
(5.6.1) Mix of concrete	(1:1 1/2:3)/(1:2:4)/ Design Mix
(5.6.2) Batching	Weight batching/ Volume batching
(5.6.3) Compaction	Vibrators / Thappies and rods
(5.6.4) Workability	Low / Medium / High
(5.6.5) Availability of water	Sufficient / Insufficient
(5.6.6) Curing	Satisfactory/ unsatisfactory
(5.7) Reinforcing Steel	
(5.7.1) Type of Steel	Plain mild steel HYSD bars
(5.7.2) Source	Authorised Dealer /Market
(5.7.3) Whether IS Marked	Yes/No
(5.7.4) Conditions of bars	Clean / Corrugated
(5.7.5) Fixing of reinforcement as per drawing	Yes / No
(5.7.6) Suitable cover	Yes/No
(5.7.7) Spacing of bars	Regular / Irregular
(5.7.8) Overlaps as per specifications	Yes / No
(5.8) Form work	Timber/ Ply board /Steel
(5.8.1) Type of form work	Yes/No
(5.8.2) Use of mould oil	

