

Internal Assessment Test 1–OCT-2022  
(solution and scheme of valuation)

Sub:	Quantity Survey and Contract Management					SubCode:	17CV81	Branch:	Civil	
Date:	20/10/2022	Duration:	90min	MaxMarks:	50	Sem/Sec:	VII–A	Marks	CO	RBT
1	<p><b>Write a note on following (a) Earnest money deposit (b) Security deposit.</b></p> <p><b>(A) Earnest Money:</b> While submitting a tender the contractor is to deposit a certain amount, about 2% of the estimated cost, with the department, as guarantee of the tender. This amount is for a check so that the contractor may not refuse to accept the work or run away when his tender is accepted. In case the contractor refuses to take up the work his EMD is forfeited. EMD of the tenderer whose tender has not been accepted is refundable.</p> <p><b>(B) Security Deposit:</b> on acceptance of the tender, the contractor has to deposit 10% of the tendered amount as security money with the department which is inclusive of the earnest money already deposited. This amount is kept as a check so that contractor fullfill all the terms and conditions of the contract and carries out the work satisfactorily according to the specifications and maintain progress and complete the work in time. If the contractor fails to fullfill the terms of contract his whole or part of the security money is forfeited by the department. The security money is refunded to the contractor after the satisfactory completion of the whole work after a specified time, usually after one rainy season or six months of the completion of the work. instead of collecting the whole SD in one instalment before starting the work, this can be collected gradually by deducting from the running account bill of the contractor. Usually the earnest money is taken as part of the security money and the balance amount of the security money is collected by deduction from the running account bill of the contractor at 10% of the every running bill, upto the extent of 10% of the total cost of whole work.</p>							[10]	CO3	L2
2	<p><b>List and explain the contents in tender form.</b></p> <p><b>Tender form:</b> The Form of Tender is a printed form where the tenderer can fill in basic and abstract details relating to their offer to complete the works.</p> <p>Tender form consists of</p> <ul style="list-style-type: none"> <li>• Basic details of tenderer</li> <li>• Nature of work and its location</li> <li>• Estimated cost</li> <li>• Duration of completion of work</li> <li>• Earnest money deposit (EMD)</li> <li>• Declaration by contractor to complete the project</li> <li>• Conditions of tendering for work</li> </ul>							[10]	CO3	L2
3	<p><b>“All contracts are agreements but all agreements are not contract. Justify it with reference to section 10 of India contracts act 1872.</b></p> <p><b>Section 10 – What agreements are contracts?</b></p> <ul style="list-style-type: none"> <li>• All agreements are contracts if they are made by the free consent of parties competent to contract, for a lawful consideration and with a lawful object, and are not hereby expressly declared to be void.</li> <li>• Nothing herein contained shall effect any law in force in [India], and not hereby expressly repealed, by which any contract is required to be made in writing or in the presence of witnesses, or any law relating to the registration of documents.</li> </ul> <p><b>Example:</b> 1. an agreement was made between two people on a cricket match results. If the match was won be team 1 then second person has to give 200/- to another and vice versa. It is an agreement but not a contract as the object is unlawfull.</p> <p>2. an agreement was made between two people for buying and selling of a residential building. This agreement is a contract because there is a proposal, acceptance and</p>							[10]	CO3	L2

consideration with lawful object which is enforceable in court of law.  
Hence “All contracts are agreements but all agreements are not contract”.

4. Compare between single cover tender evaluation and double cover tender evaluation process. [10]

**Single cover tender:** bidders submit bids in one envelope containing both the price proposal and technical proposal. In this case all vendors names will come in the comparative statement even though their bid may be technically suitable or not

**Two cover tender::** bidders submit two sealed envelope simultaneously, one containing the technical proposal and the other the price proposal. The technical member evaluates the technical bids submitted by vendors and mark either ‘technically suitable’ or ‘technically unsuitable’ against each. At the time of opening of financial bid opening only those found technically suitable.

5. Draw the table format of schedule of quantities with two examples. [10]

Schedule of quantities and Rates means the documents incorporated in the agreement which are entered in the quantities of all work, labour, material, plant, tools and equipment required for the execution of the agreement and rates therefore at which the firm undertakes to carry out the work

SI	NAME OF THE STRUCTURAL MEMBER	Material Hire charges	Labour charges	Centring Charges for 2018-19	Unit of Measurement
1	2	3	4	5	6
<b>HIRE CHARGES FOR CENTERING &amp; SCAFFOLDING</b>					
A	FOOTINGS	Rs. 288	Rs. 631	Rs. 919	per 1 cum
B	BED BLOCKS, BANDS	Rs. 64	Rs. 325	Rs. 389	per 1 cum
C	PEDESTALS	Rs. 328	Rs. 1004	Rs. 1332	per 1 cum
D	PLINTH BEAMS	Rs. 1390	Rs. 1521	Rs. 2911	per 1 cum
<b>HIRE CHARGES FOR CENTERING &amp; SCAFFOLDING - Unsupported Height upto 3.66 M</b>					
Steel scaffolding pipes, jack Props, wallers, Foot plates, brackets, steel Centering Plates, etc.,					
E	LINTELS	Rs. 1180	Rs. 1615	Rs. 2795	per 1 cum
F	CHAJJAS - SUNSHADES	Rs. 233	Rs. 248	Rs. 481	per 1 sqm
G	COLUMNS	Rs. 355	Rs. 2268	Rs. 2623	per 1 cum
H	BEAMS	Rs. 2085	Rs. 1903	Rs. 3988	per 1 cum
I	SLABS - Up to 150 mm thick	Rs. 236	Rs. 215	Rs. 451	per 1 sqm
J	SLABS - above 150 mm - Up to 300 mm thick	Rs. 243	Rs. 222	Rs. 465	per 1 sqm
K	SLABS - above 300 mm thick	Rs. 254	Rs. 232	Rs. 486	per 1 sqm
L	WAFFLE - (GRID) SLABS (Rib Beams with Slabs)	Rs. 858	Rs. 783	Rs. 1641	per 1 sqm
M	PERGOLA SLABS (Only Rib Beams)	Rs. 602	Rs. 549	Rs. 1151	per 1 sqm
N	ARCH BEAMS - up to 1.5 M Span	Rs. 2370	Rs. 2163	Rs. 4533	per 1 cum
O	ARCH BEAMS - above 1.5 M Span	Rs. 2404	Rs. 2193	Rs. 4597	per 1 cum
P	DOME SLABS	Rs. 3833	Rs. 3496	Rs. 7329	per 1 cum
Q	HELICAL STAIRCASES	Rs. 292	Rs. 267	Rs. 559	per 1 sqm

CO3 L2

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