



# GANDHI SCHOOL OF ENGINEERING

BHABANDHA, BERHAMPUR

BRANCH- CIVIL ENGINEERING

SEMESTER-3RD

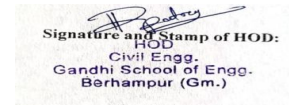
SUBJECT- Th4. ESTIMATING & COST EVALUATION-I

NAME OF THE FACULTY- ER.ROJALI PATRA & Er. ROJALIN MISHRA

		Topic to be taken			Actual topic taken			
Sl. No	Topic/ Module	No. of period	Details of the topics	Date	Topic No.	Topic Name	Date	Remarks
1	Introduction	2	1.1 Types of estimates – Plinth area, floor area / carpet area 1.2 Units and modes of measurements as per IS 1200 1.3 Accuracy of measurement for different item of work	15.09.2022 - 16.09.2022	1.1 1.2 1.3	Types of estimates – Plinth area, floor area / carpet area Units and modes of measurements as per IS 1200 Accuracy of measurement for different item of work	15.09.2022 16.09.2022	

2	Quantity Estimate of Building	30	<p>2.1 Short wall long wall method and centre line method, deductions in masonry, plastering, white washing, painting etc., multiplying factor (paint coefficients) for painting of doors and windows (paneled/glazed), grills etc.</p> <p>2.2 Detailed estimate of single storied flat roof building with shallow foundation and RCC roof slab with leak proof treatment over it including staircase and mumty room.</p>	<p>19.09.2022</p> <p>-</p> <p>09.11.2022</p>	<p>2.1</p> <p>2.2</p>	<p>Short wall long wall method and centre line method, deductions in masonry, plastering, white washing, painting etc., multiplying factor (paint coefficients) for painting of doors and windows (paneled/glazed), grills etc.</p> <p>Detailed estimate of single storied flat roof building with shallow foundation and RCC roof slab with leak proof treatment over it including staircase and mumty room.</p>	<p>19.09.2022</p> <p>21.09.2022</p> <p>22.09.2022</p> <p>23.09.2022</p> <p>26.09.2022</p> <p>28.09.2022</p> <p>29.09.2022</p> <p>30.09.2022</p> <p>12.10.2022</p> <p>13.10.2022</p> <p>14.10.2022</p> <p>17.10.2022</p> <p>19.10.2022</p> <p>20.10.2022</p> <p>21.10.2022</p> <p>26.10.2022</p> <p>27.10.2022</p> <p>28.10.2022</p> <p>02.11.2022</p> <p>03.11.2022</p>	
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3	Analysis of Rates and Valuation	22	<p>3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, white washing, Artificial Stone flooring, Tile flooring, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD.</p> <p>3.2 Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system (Concept of C.P.W.D./Railways provisions)</p> <p>3.3 Abstract of cost of estimate.</p> <p>3.4 Valuation- Value and cost, scrap value, salvage value, assessed value, sinking fund, depreciation and obsolesce, methods of valuation.</p>	<p>10.11.2022</p> <p>-</p> <p>15.12.2022</p>	<p>3.1</p> <p>3.2</p> <p>3.3</p> <p>3.4</p>	<p>Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, white washing, Artificial Stone flooring, Tile flooring, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD.</p> <p>Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system (Concept of C.P.W.D./Railways provisions)</p> <p>Abstract of cost of estimate.</p> <p>Valuation- Value and cost, scrap value, salvage value, assessed value, sinking fund, depreciation and obsolesce, methods of valuation.</p>	<p>04.11.2022</p> <p>09.11.2022</p> <p>11.11.2022</p> <p>14.11.2022</p> <p>17.11.2022</p> <p>18.11.2022</p> <p>21.11.2022</p> <p>23.11.2022</p> <p>25.11.2022</p> <p>30.11.2022</p> <p>05.12.2022</p> <p>06.12.2022</p> <p>07.12.2022</p> <p>08.12.2022</p> <p>12.12.2022</p> <p>13.12.2022</p> <p>14.12.2022</p> <p>15.12.2022</p> <p>19.12.2022</p> <p>20.12.2022</p>	
4	Administrative Set-Up of Engineering Organisations :	4	<p>4.1 Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt./PSUs/Private Sectors etc. Duties and responsibilities of Engineers at different positions /levels.</p>	<p>16.12.2022</p> <p>-</p> <p>22.12.2022</p>	<p>4.1</p>	<p>Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt./PSUs/Private Sectors etc. Duties and responsibilities of Engineers at different positions /levels.</p>	<p>23.12.2022</p> <p>04.01.2023</p> <p>11.01.2023</p> <p>13.01.2023</p>	



Signature & Stamp of HOD