Aman	Spirit State of the State of th	
Er. Iswor Rowat		
· 25.5	Engineer	
	[Eased on purpo :-	
Estimating & Costi	ப்து மூர் ஓம்ப - சுப்சை) சி ± சவ ் றி	
	1 - 5 -	
Estimate Estimate is the	process of icalculating the	
approximate quantities & pr	robable cost of Various item	
of work before construction of	of structure: 1 to7) > 22017 ()	
purpose of Esti	mate	
-> Find quantity of Various	material & labout required	
Find Probable cost of Work.	(main objective) = zanto ()	
→ To arrange Labour as per	Make.	
-> for timely procurement of	construction material : 3th	
	, estimate is required for Valuation.	
-> Idea of time of comple	tion of Work. Atute serves to	
-> To help department for	inviting tender: bottotlight @	
-> To help checking Workdone		
-> To measure benefit o	21.00-10 / 10	
-> Determine requirement	s of tools, equipments of plants.	
	(i) Mits Jime	
Estimated cast.	Actual Cost amil amul 6	
-> Theoretical/probable cost.	-> practical / Real reastion (
-> Obtained before completion of	> after Completion of Work	
	Olime puty.	
Requirement for Es	timate (200d)	
@ Prawing @ specifications	3 Roles & Mode of measurement	
Accuracy of Estima	Midraunic Icid +- :+ 9+	
Depends -> Skill & experience	ce of estimator -> careful	
Study of dimension of drawing -	> Method of estimating the	
-> Consideration of rate.	+ 10 + 110 + (A)	

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Aman	等的 对数 经销售	and the same of the same
Main The	im of Work	
→ Excavation & fini	ng -> Plaster	→ Brick Work
-> compaction	→ DPC	→ Steel Llork
→ Brick Soling	-> Painting	-> Masonry work
→ PCC RCC	-> Wood Work	→ Flooring
	Measurements	, , , , , , , , , , , , , , , , , , ,
Depends on -> shape -> size -> Noture of Work		
Principle of Unit of Measurements.		
1 Moss, Voluminous & thick work! Measured in Cubic unit (M3).		
3 shallow, surface of Thin Work Measured in Square unit (M2) 8		
3 Long & thin Work	Measured in runn	ing unit (M).
Piece Work Meas	sured in humber 1	unit (N).

A. Unit of Measurement in civil Engineering

Details of Material / Item	Unit of Measurement
1. Cement	Bag.
2. sand, aggregate, brick bots	Cu·m.
3. Bricks	Nos
4. White cement	kg.
5. Slocked Lime	Guintal.
6. Wood	Cu·m·
7. Reinforcement steel	к з .
8. G. I. Sheet	kå⁻
9. A.c. sheet	Sq.m.
10. Steel section (angles, Charnel, II-section)	"Kgalt to him . I
11. Adhesives	kg.
12. Turpentine, primer, Vornish, oil paint	
13. Water proof ower, distemper.	kå • 2004.

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Aman		
14. kotah stone	A told to the	+5q·m11
15. Mozai tiles	g • 5 = 25	Sq.m.
16. W.C. tube		Nos
17. Nanhi trap, Gully trap	1.5	Nos-
18. GI Pipe, CI Pipe, PI		M.
19. Rolling shutter		Sq.m.
20. Wire grin	- per - 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	sem.
21. Plywood Sheet	(6)	Sq.m.
22. Wash basin	1,1-1,10	Nos

B. Unit of Measurement for Earthwork

Details of Material/Item	Unit of Measurement
1. Earthwork in an excavation in ordinary	Cuim.
soil, in hard soil, in Murcom in tock	
2. Surface dressing 12 10 10 11 11	Versque de mine
3. Filling in plinth & foundation	Ch.m.
4. Excavation for pipe, cable etc.	. tm · .1

C. Unit of Measurement for brick/stone Masonry

Details of moterial Item	Unit of Measurement
1. Brickwork in Foundation, plinth, superstuctu	e Cum,
2. Brickwork in Partition Wall	Sq. m.
3. Honeycomb brickwork	sq.m.
4. Stone/random rubble/coursed masonry	cu-m-

D. Unit of Measurement for concrete Work

Details of material/Item	Unit of Measurement
1. PCC	re Cu-m.
2. ROC	Cu·m.

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3. Brick but cement concrete	Cu·m.
4. DPC	Sq. m.
s.centering \$ shuttering	Sq. m.
6. Reinforcement steel	Kå

E. Unit of Measurement for Wood Work

Details of material/Item	Unit of Measuremen
1 Door, Window Frame	cu·m-
2. Door, Window Shuffer	sqim. Hou.
3. Wooden 7100-	יו יות ביות ביות ביותיים ו

F. Unit of Measurement for steel Work

Details of material / Item	unit of Measurement
1. Steel Section	Kg.
2. Steel doors & windows	" squim to HOU I
s. Steel gate	sq.m ·
4. Steel Railing	m .
5. Steel grill	'Sq·m
6. Steel C.I pipes	m

. G. Unit of measurement for Roofing

vetairs of material Item	Unit of Measurement
1. Tiled roof	Sqim
2. Country tile roof including bamboo juffri	Sq.m
3. CI-I sheet Roof	\$6.w
4. Woterproofing of roof	Sq. m

H. Unit of measurements for p	lastering, Pointing, Finishing.
Details of material Item	Unit of Measutement



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Aman	Visite Transfer
1. Cement plaster	Sq.m
2. Pointing.	Sq.m
3. Skirting	μυ ·
4 Dado	., Seim
5. White Washing	59.m
6. Painting of doors, Windows +	E. Unit m.pelanco
7. painting of letters	No .

II uml ula timeste

I. Unit of Measurements for Flooring

"Details of Molerial Item	Unit of Measu	rement
1. Tiles flooring, Terrazzo Flooring	ഉറ്ചം	-
2. I.P. S flooring, Brick flooring + 1	sq.m1 to	HirtU 3
3. Kotah stone flooring, marble flooring	26·w	•

J. Unit of Measurements for Miscellaneous Item

metails of Material Intem	Unit of Measurement
1 Glozing Work	5q.m
2. Plaster, Repairing	26·w :
3, Brick stone pitching	Clim
4. Fixing frame to Wall	

Nearest Measurement

- 1 Length = 0.01m 3 Volume = 0.01m3

Exception

- 1) Length @ Wood Work = 0.002m = 2mm
- Brits init, spis & Recastable = 0.005m = 5mm and to hind H
 - Com toud = 5mm
 - @ steel reinforcement = 5 mm.

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Aman 3 Steel plate = 0.00011 1900 = 11000 Wood Work = 0.001m3 3 Volume Rules for deduction 1) for opening less then 0.1m2 No deduction @ for Woodwork (formwork) opening < 0.4m2 3 for steel in Volume of concrete mite 1 for bearing of floor & roof. @ for pipe diameter having area less then 100cm2 6 Rules for deduction of plastering & painting Work. @ for opening less then o.5m2 - No deduction D for opening 0.5-3m2 - one side deduction. O for opening >3m2 - Both sidededuction Types of Estimate 1) Preliminary Estimate Rough Estimate → It is also known as approximate or abstract cost or budget estimate. -> Prepared on the basic of cost of similar Works. -> main purpose is to decide financial position of policy for administrative sanction. -> Detail drawing is not necessary 2) Plinth area Estimate/ Square raties Method 3 -> Also known as preliminary estimate. -> Applicable for general building . -> plinth area is the area covered by the from at ground -> plinth area Estimate = plinth area X plinth area tate! 3 Cube tate estimate -> Also known as preliminary estimate. -> Based on Volumetric measurement of structure. -> Best suited for multi storied building. -> Cubic rate estimate = Cubical content X cubical rate > more accurate then plinth area method.

Aman	
Approximate quantity estimate.	
-> Also known as preliminary estimate -> Whole structu	re
is divided into two part. @ foundation including plinth @	_
Superstructure. Approximate quantity estimate =	_
Length of foundation x tate per RM Length of superstru	c+u
X rate per R.M.	-
5 Detailed estimate Item rate estimate	, ,
> It is the most accurate & reliable estimate.	Ή
-> Because it evaluates each item of work separately.	-,
-> Prepared after Preliminary estimate has been approve	d.
-> Done on two stage 1) Detail of measurement of each	
item from drawing of calculate quantity.	_9
② cost of each item of work is calculated \$ all cost are	-
added to give total cost.	_
@ Revised estimate stimute 10 - squi	_
-> It is a detailed estimate prepared a fresh, When 19	I)
Original sanctioned detail estimate exceed by 5%	-
Reason tates being too insufficient or sudden other reason	— hs.
3 supplementary estimate	_
-> It is a detailed estimate, prepared when a work is	_
Partially abandon then re- estimate is done -> When the	3
cost of remining work is less then 95.1. of original sanctione	d
or work then it is done.	•
8 Annual tepair & maintenances estimate.	_
-> It is a detailed estimate . prepared to maintain the	3
structure or work in proper condition> generally 1-1.5	<u>-</u>
of Capital Cost	
i e	-
	-

Aman	2000年1月1日		Nic.				2. 为此人		低的特色
	Methods of calc	ulati	กฐ	quan	tity		100		
	Short Wall metho				•				HM
> for 10	ng wall tunning, ir	ı lon	gitu	dione	ıl dir	rec	tion, ive	.0	ut to out
> for st	nort Wan running	in c	ros	a qi	ec	Hior	r. ive.	n-	to in-
→ 2330°	true o the standing	th	•				•	•	
-> Suito	bility Irrespec	tive	÷ ot	Vario	able	sec	ctions o	fι	dans.
	ter line: Method								
→ Total	I length of cente	r Lir	ne o	f Wa	us (gug.	\$ Short	·) o	are sum
4 mult	iplying by breadth	ነ ቀ ነ	neigh	nt to	36+	101	al quant	ાંમુ	.•
→ Puic	ck method then	Long	\$ S	short	Mai	سرا	ethod.		
	ability circular, he	-Xa3	mal	oct	ag.or	nal s	shaped	Ьи	iiding ·
3 cros	ssing Method								
→									
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• "									_
Star	idard estimate f	orm	at o	£ 80	Wer	חחת	ent of	ic	e 5
1 Deta	ii Estimate								
Item 110.	Description of Work	Unit	N0 -	L	В	H	gamith?		Remarks
				_	_	_			
		21	ith.	1 7	4-1	In h	A 1 1 11	"1"	-2]
	ict of cost	,	,			_		_	
Item no	Description of Work	Unit	qu	artity.	Rot	e An	nount	R	ematks
		_				\perp		- 17	1 - 1
			1		1	- 1		1	11
•					_			_	
		-							

Aman	(A)		为现代	建		NAME OF	
(iii) 101 a1	With contingency	(i) ri	editi)ho	16 01	orile).		
	= 13 % of (iii)		Forth off	1 1101-1	+ iorl	\$ \$ B	to Lot
(V) Corrand	Total = (iii) + (iv)		1				
3 Bin of	Quantity.		1		i.		
Item no	Description of Work	Unit	Buantity	Rote	Rate in	Amount-	Remarks
	•		1.	in fig	More		
			bod	om-	ciii -	ente	00
	8						
* ,					<i>i</i> :		
1.	Rate Analysis		De la	•			
The	nethod of ideterminin	ng ur	it tale o	fite	m of 1	MORK,	٠,
consideri	ng the Cost of mater	ias,	Cost of l	about;	hire	Charge	≥.of 🕞
tools & pla	nts & overhead cost	is a	alled tale	= anot	sis.		
	Purpose of tate and	aly.si	5				
→ To te	vise schedule of to	te.					
→ TO WO	rkout actual cost.		=				
→ To Work	tout economical Use	of mo	Herial •	prints	9 h	nbno F	2
→ To ex	amine validity of te	nder	tale.	1			21
→ To fix	labour Contract rate						
•							
Reg	uirement of tale a	пац	sis				
→ corre	ct information of mo	arket	rate of	mate	z Fial		
→ Correc	t information of V	orious	Categor	ies t	of la	bour	
-> Ontbut	of Jabour, (outfurn	of w	lorker pe	r day	4)		
-> knowle	edge, tate & outlura	of e	quipmen	+•			
-> Up to	date knowledge of	Con	struction	Wor!	κ.		

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Factors Affecting Rate Analyis
-> quantity of materials -> Transportation Charge
-> Location of site of work -> Profit desired.
-> Transportation facilities available -> Management
-> overhead of cost
-> Experience of Workers
-> proportion of mortar (1:3, 1:4, 1:6)
-> Construction facilities available
101201
Government procedure of preparing rate analysis
1) Total cost of material = 65-70 10 of total cost = Rs. X
1 Total Cost of Labour = 30-35 1. Of total cost = Rs. Y
Thre Charge of tools Plants + fuel cost = 3 11 of Jobour cost = Rs z
1 Total Cost = X+Y+Z = A
© Contractors Overhead = 15 11 of A = 0.15A
6 Unit tate of item = ⊕ + ⑤ = A + 0.15A = 1.15A
Norms of Rote Analysis
1) To get dry or unmixed Volume of PCC, increase quantity by 50-55%
2) To get dry or hamixed Volume of mortor, increase quantity by 30-35
3 To account wastage of steel reinforcement, " Weight by 5 1.
1 To account wastage of brick, increase number by 5 1:
5) To account wastage of the marker & wood, increase quantity by 10%
Note:
-> contractor profit -+ contractor everhead = 15%
→ Contractor profit = 101/1
-> Overhead according to PPA = 15.1. (CON)

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Pacture Hard pritation = + Fort

Item in i	Skilled	Unskilled
1:2:4 Pcc for per m3	1.0	4.0
1:2:4 Pcc 40 mm thick, per 10m2	1.25	2.4
1:2:4 PCC 50 mm thick, Per 10 m2	1.25	2.5
1:2:4 pcc 75 mm thick, per 10 m2	1.25	3.0
PCC M20 FOR RCC	8.0	7.0

110-110/40

Plaster

Tiemo that primapage to a	"Skilled! #	· Unskilled
12 mm thick plaster per 10m2	1.2	1.6
20 mm thick plaster per 10m2	1.4-	1.9
ceiling plaster 12.5 mm	1.5	2.0

Salwood for door of window frame

Skilled = 3.0 Hos

Unskilled = 3.4 nos.

Outturn (Task Work) The quartity of Work of any item Which is the output of a skilled Labour in a day is known as outfurn.

Nature of Work	Out turn
1. Brickwork in coment morter in foundation & plinth	1.25m3
2. Earthwork in excavation in ordinary soil.	.3m3
3. Half brick Partition Wall	5m²
4. Concrete Work (M15)	2m31
5. plastering (12 mm thick cement mortal)	8m2
6. Cement flooring (25mm)	7.5 m²

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Aman specification specification is defined as written instruction limiting of describing in detail of Construction Work to be done Specification describes the Construction to be done quality of materials, Workmanship to be used, tools & plants to be used, method of testing etc. -> In general Drawing shows What to be done of specification shows how to do . -> In conflict between Drawing & specification. > specification should give first priority. Purpose of specification -> specify the noture of work. mitpulled -> Estimate the quantity of cost. → To Clearify any ambiguity (असक्टता) -> To identify the quality of material. -> To identify material proportion. > To identify the types of Workman ship. Types of specification town to surge up Dheneral specification General specification are also known as brief specification. general specification are provided in drawing which gives brief (होरे information about hature of work of quality of material. 2 Detailed Specification Detailed specification describes the item of work in detail, accurately & complete information in all aspects. 1 Standard specification The specification which is same for all & Standardized by department of engineering is called Standard Specification.

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	-

D special specification some specification of construction work are special nature of that are not published in Standard specification are called special specification.

Special specification are written by engineer in-charge of Construction project.

General specification	Detailed specification
> No contract document.	-> Part of Contract document.
- General idea of Whole Work.	-> Detail information-
> Useful for cost estimate.	-> Technical, Standard provision.
→	→
(1)	HILLDOOM HE STRONG

Valuation

It is a technique to determine the present fair price or value of property such as building, land, factory etc known as Valuation.

thous of property depend on

① Life ② Location ③ structure ① supply & demand ⑤ Bonk interest

Purpose of Valuati	of specification	>=न्यूर		_
-> Buying & selling of prop	erty notion this	2 15 191	(HE)	(1)
→ Fixation of tax.				_
-> Rent fixation.				_
→ Auction bid of property.		ſ	Ť.,	7.
-> security of Loan	meitte iti us qu			2
→ Insurance of property (fire, earthquake,	flood e	2+c)	_
-> partition of property.		125		_
-> Acquisition of property.		÷		_
(SHETTEN) of polonice Shee	+ of property.			

	MALCON COLUMN	
Aman	The Albert	
Method of Valuation	Hubble 1	
@ cost Based method	•	
Value of Property = Value of building (by detail		Total
depreciation -+ Value of land to reason to		
	anii Adrinale	_
Value of property = Total plinth area in m2 X	plinth area t	ate
- Total depreciation + Value of Land.	<i>)</i>	
3 Depreciation method):
Value of property = Depreciated Value of buil	iding Value	4 Jan
# Depreciated Value of building = p/ 1-10	/µ	
out or higher (constant of depreciation method)	Declining	(3)
P = cost of building at present market hate	Life of building	ta
= plinth area x plinth area rate.	100 years	1.1.
to = depreciation rate. = 100	. चड ।	1.3.1.
h = age of Structure in year. Life of building	. Ec. n	2./.
Remial Method of Valuation	25 11	41.
Value of Property = Capitalized Value of	Sinking05 una	54
building + Value of land		.*
-> capitalized Value = riet rent X years	urchase	
-> Net rent = gross rent - total expanses	5•	,
-> Years purchase (Yp) = 1		
Where, ip = highest prevailing rate	bi e •	100
ic = coefficient of sinking fund = 11+	tin 1	
5 Profit Based Method	1,-4	
Value of property = Capitalized Value of build	ing + Value of	Land
-> Capitalized Value = net income x years	purchase i	te.
-> Net income = gross income - total expan	ารes	
→ Years purchases(Yp) = 1		_
Ib IC		

Pepreciation It is a the gradual decrease in the
Value of property due to wear of tear, decay, obsole scence.
value of property due to wear & teat, accus, accus,
Method of Depreciation
1 Straight line Method borton rough things
-> Depreciation is constant in each year.
-> Annual depreciation 1/4 = G-Sv x 100
Where; C = original cost Mailtan mailtain - 19 acr 6
Si= scrop/salvage Value
n = life of structure
@ Declining balance Method (Constant 1/ depreciation method)
-> property is assumed to lose Value annually at Constant
1/1 of its Value (Book Value). 1/h
\rightarrow Depreciation = 1- $\left(\frac{s}{c}\right)^{1/2}$.
→ Value of property at end of N year=C(1-D)
Where; D = 1/2 tate of annual depreciation to the state of annual depreciation
3 Sinking fund Method
-> In this method depreciation assume to be annual sinking
fund plus the interest of accumulated sinking fund till that
year.
Steps
-> Calculate total depreciation (20) for total duration (11).
-> Calculate sinking fund factor for given interest (i).
-> colculate interest on sinking. fund toller to the
→ Calculate of depreciation.
Depreciation (D) = DX SF = DX 1
$(1+i)^{\frac{n}{n}}$ 1
$\mathfrak{D}_2 = \mathfrak{D}_1 \times \underline{\mathfrak{i}}$
(1+1) [†] -1

Aman
Conversion chart
A Length
-> 1cm = 10mm = 0.3937 inch = 0.01m = 0.0328ft :
-> 1m = 100cm = 1000mm = 39.37 inch = 3.281ft
-> 1km = 1000m = 39370 inch = 0.6214 mile
→ 1 Inch = 2.54 cm = 0.254 m = 25:4 mm : id
→ 1 Nautical mile(knot) = 1.852km
→ 3 Noutical mile = 1 league
-> 12 inch = 1ft -> 3ft = 1 yard -> 220 yard =: 1 furlong
→ 8 furlong = 1 mile = 0.625 km = 5 mile = 8 km
→ 6ft = 1.83m = 1 fathom
→ 120 fothor = 219.52m = 0,22 km
-> 1 Kosh = 3.281 km - 11
B-Weight
→ 1 kg = 2.205 pound
→ 1 quintal = 100kg = 41.781 = hatni
-> 1MT = 10 quintal = 1000kg = 417.814 Dhaini = 26:729 man =
-> 1man = 37.324 Kg = 0.373 quintal = 0.037 ton = 15.595 Dhatni
-> 1 dharni = 2:393 K\$ = 0:024 Qt' = 0:0024 ton = 12 pay
-> 1 ser = 933 &m = 0.39 dharri = 0.933 kg = 80 tola = 16 Chatak
-> 1 Pau = 200gm = 4 Chatak = 0.199kg
→ 1 +010 = 11.66389m = 12 masha = 100101 -> 1 mosha=8rallin
→1 Chatak = 582m = 5 tola = 4.973 tola
-> 1 muri = 20 pathi = 80 kg = 160 mana = 87.215 lit
→ 1 Dhak = 5 kg. → 1 Cylinder = 14.2 kg (305)
C Rea
→ 1 dhu- = 182·25 sft (13·5 x 13·5 ft2)
→ 1 Kotho = 20 dhur = 3645ft ²
\rightarrow 1 blga = 20 Katha = 72900ft ²

Aman
-> 1 ropani = 74 x 74 = 5476 ft2 = 1.502 Katha
-> 1 bigha = 72900 Ed.76 = 13.39 topani
> 1 hectare = 104m2 = 107638,7 tt
→ 1 hectare = 29.53 Katha = 19.657 topani = 2.471 Acar
→ 1 Aca- = 208.71 × 208.71 = 4-3560 H2
→ 1 Bigha = 13.31 topani = 6772.66m2 = 0.6772 ha
= 53.25 mato muri = 20 katha = 0.533 khotmuri = 79900ft2
-> 1 khet muri = 100 matemuri
-> 1 topani = 16 anna
-> 1 anna = 4 paisa
-> 1 Paisa = 4 Dam
→ 1 mana = 8.55 sft
→ 1 pathimato = 0.0006He -> 1 pate = 0.0458He.
-> 1 halo = 0.0677He -> 1 kodolo = 0.0305He .
D Yolume
-> 1 lit = 1000ml = 1.7597 mana = 0.2199 pathi =0.011 muni
-> 1 Pathi = 4kg -> 1kg = 2 mana
-> 1 dharni = 2.4 kg
-> 1 20110n = 4546 lit (British) = 3.785 lit (US) "
-> 1 Barrel = 159 lit (US)
→ 1m³ = 11 muri = 959.365 lit.
E Temperature
-> C - F-32
· S 9
F Power
-> 1HP = 736 Wat (metric) = 746 Watt (mechanical)

Aman
Important Topics " ii.ii."
1 Administrative Approval
-> The formal acceptance by the administrative department for
incurring an expenditure on the Work.
@ Contingency .
-> The incidental expenses of miscellaneous Character that could
not be predicted during preparation of estimate:
-> The amount of contingencies is limited to 4.1. (3-5.1.)
-> Physical Contingencies = 10.1. => expenses in design, planning
-> Price adjustment contingency = 10 1. >> price unpredictability.
3 Workcharge Establishment
-> To provide payment to Chaukidar, Supervisers, Watchmen of
amount of 15 to 2 1. is charged directly to the estimated Costs.
-> Generally 1.5 %.
1 Departmental Charge
-When engineering department takes works from others department
Some amount is charged towards establishment, planning, design, implementat
Supervesion etc> Also called Centage Charge.
-> 10-15 of estimate Cost.
70 20 11
-> for electrification = 8% of estimate cost.
D at
→ for electrification = 8% of estimate cost. → for saritary & Water Supply = 8% of estimate cost.
-> for electrification = 8% of estimate cost.
→ for electrification = 8% of estimate cost. → for sanitary & Water Supply = 8% of estimate cost. (B) Contract Tax → It is the tax paid by Contractor against the Workdone.
→ for electrification = 8% of estimate cost. → for saritary & Water supply = 8% of estimate cost. (B) Contract Fax → It is the tax paid by Contractor against the Workdone. → 1.5% of the paid bin
→ for electrification = 8% of estimate cost. → for saritary & Water supply = 8% of estimate cost. ⑤ Contract Fax → It is the tax paid by Contractor against the Workdone. ⑥ Market Value
→ for electrification = 8% of estimate cost. → for saritary & Water supply = 8% of estimate cost. (B) Contract Fax → It is the tax paid by Contractor against the Workdone. → 1.5% of the paid bin
→ for electrification = 8% of estimate cost. → for saritary & Water supply = 8% of estimate cost. ⑤ Contract Fax → It is the tax Paid by Contractor against the Workdone. → 1.5% of the paid bill ⑥ Market Value → It is the Value of property Which can be obtained at any particula
→ for electrification = 8% of estimate cost. → for sanitary & Water Supply = 8% of estimate (ost.) (Contract Fax) → It is the tax paid by Contractor against the Workdone. → 1.5% of the paid bill (Market Value) → It is the Value of property which can be obtained at any particula time from the open Market, if the property is put for sale.

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Aman 8 Overhead Cost -> It is the cost for running offices, staff, phone, electricity etc. -> The Overhead cost includes the cost which are not productive in work. → 2-5% in tate analysis. -> Overhead according ppA => 10% (purchase price anocation): → Contractor profit = 10% → Contractor overhead profit => 15% (3) Scrap Value -> scrap Value is the Value of a property after being dismantled at the end of its utility period. (excluding labour cost) 13115 scrap value = Material Value - Labor Cost -> scrap value may be +ve, +ve it zerol equal Note: Market Value > Labor Cost -> +ve Market Value < Labor Cost \rightarrow -ve Market Value = Labor cost -> zero/equal Scrape Value = 10% of total Cost of Construction 30 Salvage Value -> Salvage Value is the Value of property Without being dismantle after its ends of utility period. -> Solvage Value is always + ve. 11 Book Value -> Book Value is the amount shown in the account book after allowing hecessory depreciation. . 1 🕻 🕶 . 1 🖖 . 1 . -> Book value = orginal cost - Depreciation 12) Capitilized Yalue -> capitilized Value of a property is the amount of money. Whose arimual intest at the highest rate intrest Will be equal to the net income from property. (23) Gross Income -> Total income not any outgoings (expenditure) 1 Net Income → Gross income—outgoing.