

# WAMIS

ESTIMATE MODULE MANUAL

Centre for Development of Advanced Computing (C-DAC), Pune.

# Estimate Manual

 By selecting Works -> Approvals -> AA Details, displays 'AA Details' screen. This is the screen for filling Administrative Approval details for the selected work where user enters the mandatory fields like Approval Number, Approving Authority, Approving office and Approved amount. For enabling the estimate against the work there is a check box (With Estimate), user needs to tick that check box and save the data which is highlighted in the below image.

Works	A You are here / Works / Approvals					
Masters	A You are here / Works / A	Approvals				
Proposal Work	<b>■</b> View					
<ul> <li>Approvals</li> </ul>	Search Work					
» AA Transfer	Parent	Work Number	213/876		Q	
» AA Details	Parent Wor	Parent Work Description       test Road         dministrative Approval (Revised)         Fields marked with an asterisk * are required.         Approval Number *				
» TS Details	Administrative Approval (Rev	vised)				
Tendering	Parent Work Description test Road         Administrative Approval (Revised)         Fields marked with an asterisk * are required.         Approval Number *       123         Approval Date *       05/05/2021					
Execution	Als       Parent Work Number         fer       Parent Work Description         is       Parent Work Description         is       Administrative Approval (Revised)         ng       Fields marked with an asterisk         on       Approval Number * 123         Approval Date * 05/05/202       Approving Authority * Executive         Approving Office * Test Divisi       Approved Amount * 700000		urorequirour			
Reports	6.53					
		(				
	Approving Authority *	Executive Er	ngineer	~		
	Approving Office *	Test Division	n -	~		
	Approved Amount *	700000				
	With Estimate					
	Remarks	eeed				
		Save Car	ncel			

- 2. By selecting Estimates -> Estimate -> Estimate Master, displays 'Estimate Master' screen. The basic estimate details can be entered in this screen.
  - Estimate Number is autogenerated with reference to the Work no.
  - Design And Scope Describes the basic design and scope of work.
  - General Description- Basic description of the project.
  - Estimate Date- Date of the estimate.
  - SR year Schedule of Rate year to be mentioned.
  - Zone- SR zone to be mentioned.
  - Rate Affecting Factor- Rate affecting the work needed to be mentioned.
  - Labour Published Date- The date to be mentioned when the labour rate is published.
  - Section Officer- Section officer name to be mentioned.
  - Subdivision Officer- Subdivision officer name to be mentioned.
  - Division Officer- Division officer name to be mentioned.

	NT OF ODISHA Division Office =Test Division)
Estimates	[Best viewed in Internet Explorer 8+, Mozilla Firefox 36+, Google Chrome 37+]
Masters	♠ You are here / Estimates / Estimate
Estimate	
» Estimate Master	]
» Measurement	
» Used Estimates	
» Recapitulation Entry	
» Upload Documents	
» Upload Items	
» Estimate Details	
» Estimate Rate Analysis	
🗍 Reports	

Fields marked with an asterisk *	are required.			
Estimate Number *	213/876/1			
Design and Scope *	ahh	10		
General Description *	Estimation of the test proposal			
Estimate Date *	05/05/2021			
Department	Works 🗸	Branch	All	~
SR Year *	2017	~		
Zone *	Central Zone	~		
Rate Affecting Factor *	State PWD	~		
Labour Published Date *	01/10/2020	~		
Prepared By (Section Officer)	Udit Narayan Mishra	~		
Checked By (Sub Division Officer)	test test	~		
Checked By (Division Officer)	zxy	~		
Remarks	biiiii			

- To save the entered values click on the "Save" button.
- To cancel the entry or the modification click on the "Cancel" button.
- To delete the entry click on the "Delete" link.
- The user can also copy this estimation to another work which has no previous estimate present by clicking on the "Copy" link.

Estimate	Details											
5r.No.	Estimate Description		Estimate For	Estimate Amount	SR Year	Edit	Delete	View & Add Items	Сору			
i i	DESIGN OF A ROAD AND TH	HE SCOPE	Roads	725.70	2017	1	â		_@			

Then user will redirect to next screen.

arch Work			
Parent	Work Number	30	Q
Parent Wor	k Description	M/R to Rest Shed Buildings	
3	Work Number	30/7	
Wor	k Description	M/R to Rest Shedhfghfghfghfgh	
Copy Estimate			
Estimate Number *	30/7		
Estimate Description *	ROADS		
Estimate Date *	09/05/2021	(m)	
SR Year *	2017	~	
	Copy Car	ncel	

Here User can search the Work Number to make an identical of the copied estimation.

		Work Description		30	Work Number	
			~	0000 All Heads	Choose Head	
	Select	Work Category	v	All	Work Type	
			*	Select	Budget Year	
			<b>v</b> ]	Select	SR Year	
		Agreement Number	~	Select	Head Type *	
				Search Clear		
					Is	ork Detai
Description	Parent	Parent Work Number		Work Description	Work Number	Select
Description old damage godao at bhubaneswar			age godao at bhubaneswar Reach 1		Work Number 213/2/1	
	Renovat	213/2	age godao at bhubaneswar Reach 1 age godao at bhubaneswar Reach 2	Renovation of old damage goda		0
old damage godao at bhubaneswar	Renovat Renovat	213/2	age godao at bhubaneswar Reach 2	Renovation of old damage goda	213/2/1	0
old damage godao at bhubaneswar old damage godao at bhubaneswar	Renovat Renovat Renovat	213/2 213/2	age godao at bhubaneswar Reach 2 age godao at bhubaneswar	Renovation of old damage goda Renovation of old damage goda	213/2/1 213/2/2	0 0 0
old damage godao at bhubaneswar old damage godao at bhubaneswar old damage godao at bhubaneswar	Renovat Renovat Renovat Renovat	213/2 213/2 213/2 213/2	age godao at bhubaneswar Reach 2 age godao at bhubaneswar age godao at bhubaneswar	Renovation of old damage goda Renovation of old damage goda Renovation of old damage goda	213/2/1 213/2/2 213/2/3	
old damage godao at bhubaneswar old damage godao at bhubaneswar old damage godao at bhubaneswar old damage godao at bhubaneswar	Renovat Renovat Renovat Renovat Renovat	213/2 213/2 213/2 213/2 213/2	age godao at bhubaneswar Reach 2 age godao at bhubaneswar age godao at bhubaneswar age godao at bhubaneswar	Renovation of old damage goda Renovation of old damage goda Renovation of old damage goda Renovation of old damage goda	213/2/1 213/2/2 213/2/3 213/2/4	<b>Select</b>

By selecting the parent work id, filling the Estimate Description, and selecting the SR year user can copy its estimation.

	Estimate Number	213/876/1	v Q						
Estimate	Details								
r.No.	Estimate Descrij	ption	Estimate For	Estimate Amount	SR Year	Edit	Delete	View & Add Items	Сору
	DESIGN OF A ROA	AD AND THE SCOPE	Roads	725.70	2017	1	â		æ

#### The same Estimate can be seen in the below image.

E	stimate Number	30/7		<b>∀</b> Q					
Estimate De	etails								
Sr.No.	Estimate Desc	ription	Estimate For	Estimate Amount	SR Year	Edit	Delete	View & Add Items	Сору
1	ROADS		Roads	725.70	2017	1	Ô		伯

- Add
- To edit the details click on the "Edit" link.
- To save the modified values click on the "Update" button.

Estimate Information		
Fields marked with an asterisk *	are required.	
Estimate Number *	213/876/1	
Design and Scope *	DESIGN OF A ROAD AND THE SCOPE	1
General Description *	The design of the road, selection of contractors, approval of local municipal laws etc are	÷
Estimate Date *	05/05/2021	
SR Year *	2017	~
Zone *	Northern Zone	~
Rate Affecting Factor *	State PWD	~
Labour Published Date *	01/10/2020	~
Prepared By (Section Officer)	Udit Narayan Mishra	~
Checked By (Sub Division Officer)	хуг	~
Checked By (Division Officer)	zхy	~
Remarks	tujmu	
	Update Cancel	

- User can view and can add items by clicking on the icon which is highlighted in the below image.
- The moment on clicking the icon user will be redirected to 'Measurement Detail' screen.

	Estimate Number 213/876/1	✓ Q						
Estimate	Details							
Sr.No.	Estimate Description	Estimate For	Estimate Amount	SR Year	Edit	Delete	View & Add Items	Сору
1	DESIGN OF A ROAD AND THE SCOPE	Roads	0.00	2017	1	Ô		æ

**3.** By selecting Estimates -> Estimate -> Measurement, displays 'Measurement' screen. The detailed estimate measurement is taken in this screen.

	Estimate
>	Estimate Master
≫	Measurement
*	Used Estimates
≫	Recapitulation Entry
*	Upload Documents
>	Upload Items
*	Estimate Rate Analysis
	Reports

Delete	Add Material Coefficient	Edit Measurements	View Measurements	Enter Measurements		Amount	Rate Proposed	Quantity	Order Number	Edit Items Details	Unit	ltem Description	Chapter Name	Order No.	
Ô	+	8	Ξ	+	1	0.00			0	đ		Quality Charges		0	1
Ô	+	8	E	÷	1	0.00			0	Ø		Royalty Charges		0	2
Î	+	ø	≡	+	1	0.00			0	I		Serviceable Cost		0	3
								Û	ete All Items :	Del			0		
				0		Amount :	Total								
				0		es (12%) :	GST Charge								
				0											
									A	ad Distance	Add Lei				
ents	ze Measureme	Estimate Finali	tem Transfer E	Add Serviceable I	ges A	ality Char	arges Ou	ate Lead Ch	m Calcula	Ion SR Ite	Add N	arent Items	s Add Pa	SR Item	Add

## 3.1. Add SR Items

Sr. No.	Order No.	Chapter Name	ltem Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount		Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Delet
1	0		Quality Charges		I	0			0.00	ł	+	≡	ø	+	Ô
2	0		Royalty Charges		I	0			0.00	l	+	Ξ	ø	+	Ô
3	0		Serviceable Cost		đ	0			0.00	ı	+	Ξ	ø	+	Ê
		0			De	ete All Items :	đ								
								Total	Amount :		0				
								GST Charge	es (12%):		0				
											0				
				Add Le	ad Distance	A									
Add	SR Item	Add P	arent Items	Add N	Ion SR Ite	em Calcula	ate Lead Ch	arges Qu	ality Char	ges	Add Serviceable	tem Transfer 8	Estimate Finali	ze Measurem	ents

- After clicking on the Add SR items button user will see the ESTIMATE MEASUREMENT SCREEN
- After selecting chapter and category from the list user can go for search by pressing search button which is highlighted in below screen.
- SR items can be added from the list by clicking on the Save Items button.

Department	Works	~	Branch *	Select	*
SR Zone *	Northern Zone	~	SR Year *	2017	
SR Type *	● Civil ○ Electrical ○ Non-SR				
Chapter	Earthwork	~			
Category	Earthwork	~			
Item Code Search					
Item Name Search					
Search					
tems List					(
		Item Descriptio	n		
Earthwork][1.1] - Earth wor	k in oridinary soil within 50m, initial lead and 1.5n	n, initial lift including i	ought dressing and breal	ing clods to maximum 5cm to 7cm and laying i	in layers not exce
[Earthwork][1.2] - Earth wor	k in ordinary soil in embankment, roads,etc. withi	n 50m. initial lead and	1.5m. initial liftincluding	rough dressing and breaking clods tomaximun	n 5cm. to 7cm. ar
Earthwork][1.3] - Earth wor	k in ordinary soil in embankment, roads,etc. withi	n 50m. initial lead and	1.5m. initial liftincluding	rough dressing and breaking clods tomaximun	n 5cm. to 7cm. ar
Earthwork][1.4] - Earth wor	k in ordinary soil in embankment androads, etc. m	aximum laboratory dry	density notless than 1.4	4gms./1.52gms./1.65gms. per cubiccentimeter	r <mark>in road emban</mark> kr
[Earthwork][2.1] - Earth wor	k in hard soil or gravelly soil within 50m.initial lea	d and 1.5m. in <mark>i</mark> tial lift	including roughdressing a	nd breaking clods to maximum 5Cm. to7C.m.,	and laying in laye
[Earthwork][2.2] - Earth wor	k in hard soil or gravelly soil inembankment, roads	, etc. within 50m. initi	al lead and1.5m. initial l	ift including rough dressing andbreaking clods	to maximum 5cm
[Earthwork][2.3] - Earth wor	k in hard soil or gravelly soil inembankment, roads	, etc. within 50m. initi	al lead and1.5m. initial l	ift including rough dressing andbreaking clods	to maximum 5cm
[Earthwork][2.4] - Earth wor	k in hard soil or gravelly soil inembankment and ro	ads, etc. maximum lat	oratorydry density not le	ss than1.44Gms./1.52gm./1.65gms. per cubic	centimeter inroa
Earthwork][3] - Earth work	in stoney earth and gravels mixed with stone bould	ders not exceeding 0.01	4 Cu.M. in volume within	50m. initial lead and 1.5m. initial lift includir	ng rough dressing
[Earthwork][4] - Earth work	in Slushy soil (in water up to 0.6m. depth requiring	g the aid of pans and ve	ssels) within 50m. initia	lead and 1.5m. initial lift as per the direction	approved by the
E Save Items		He se Page 1 of 4	NY BI		View 1 - 10 of 3

	Order No.	Chapter Name	ltem Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount		Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Delet
1	0		Quality Charges		đ	0			0.00	1	+	=	ø	+	Î
2	0		Royalty Charges		đ	0			0.00	1	+	=	ø	+	Ē
3	0		Serviceable Cost		đ	0			0.00	1	+	=	ø	+	Ô
		0			De	lete All Items :	Û								
								Total	Amount :		0				
								GST Charge	es (12%) :		0				
				-							0				

## 3.2. Add Non SR Item

Non-SR Items can be added in Add Non SR Item Screen by clicking on the 'Non-SR Item' button.

Estimate Number	213/876/1 V Q
on SR Item	
ields marked wit	h an asterisk * are required.
SR Year	2017
SR Zone	Northern Zone
Item Description *	LABOUR FOR SHIFTING HOUSE HOLD MATERIAL
Unit *	Numbers
Rate *	5

- Non-SR item can be manually entered in Item Description Field.
- Select unit from the list.
- Then enter the rate.
- The Item can be saved by clicking on 'Save' button.
- The 'Reset' button will clear the entered fields.
- Back button will redirect to the Measurement screen.

#### 3.3. Add Parent Items

Sr. No.	Order No.	Chapter Name	ltem Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount		Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficien
1	3.00	Non-SR	3-item2 (Non SR)	Bags	Ø	3.00 <b>×</b> 3.00	8.0	133.74	1,069.92	1	+	=	1	+
2	4.00	Non-SR	<mark>4-item</mark> 3 (Non SR)	Centimeters	Ø	4.00 ×	10.0	267.49	2,674.90	ı	+	=	1	+
3	0		Quality Charges		đ	0			0.00	ı	+	=	8	+
4	0		Royalty Charges		I	0			3,455.76	1	+	=		+
5	0		Serviceable Cost		ľ	0			0.00	ı	+	=	8	+
		3707.76			De	lete All Items :	<b>ů</b> -							
								Total	Amount :		3707.76			
								GST Charg	es (12%) :		0.0			
											3707.76			
				Add Lead Dis	tance 🗛									

Items can be add as Parent Item so that sub-items can be include later.

Add Parent Items button will redirect to 'ADD PARENT ITEM' screen

ADD PAARENT ITEM	
Fields marked with a	n asterisk * are required.
SR Year	2007
SR Zone	Central Zone
Item Description *	Earth work in hard soil
Item Code *	3
	save Reset
Back	

- Item description and item code field needs to be filled.
- Then click on save button to add this item as parent item.
- The 'Reset' button will clear the entered fields.
- Back button will redirect to the Measurement screen.

	nt Item	added Su	ccessfully											
	Es	stimate Nur	mber 30/1	.0 🗸										
	1. Plea 2. Plea 3. Onc 4. The 5. Scae 6. Afte	ase Add Le e estimate Total Amo da Charge er finalize	n Calculate L ad Coefficien e is finalized, ount shown be s deduct from You cannot t	ead Charges b t and Estimate No changes ca low does not rate proposee ransfer estima	e Distanc n be don include r d. To calo	e for Calcula e. ecapitulatio	n charges .	ad Charges.			rges. t percent at last	of list.		
Marco -		nt Details											D	
Sr.		Chapter Name		Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount		Enter Measurements	View Measurements	Rate Affecting Edit Measurements	Add Material
Sr.	Order	Chapter	ltem	Unit Bags	ltems Details		Quantity 8.0	Proposed	Amount 1,069.92	ltem			Edit	Add Material
Sr. No.	Order No.	Chapter Name	Item Description 3-item2		ltems Details	Number 3.00 🗸		Proposed 133.74		ltem	Measurements	Measurements	Edit Measurements	Add Material Coefficier

Now the parent item can be visible in Measurement Details screen.

#### Sub Item

Mea	suremer	nt Details											Rate	Affecting Fac	tor: 0.0:
Sr. No.	Order No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Delete
1	0.01	Earthwork	1.1-Earth work in oridinary soil within 50m, initial lead and 1.5m, initial lift including rought dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of the Engineer-in-charge per 100 cum. AR P NO- 01	Cubic Meters		0.01	5.0	167.24	836.20	1	+	=	1	+	Ē
2	1.00	Site Cleareance	1-Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.		Ø	1.00	0.0	0.00	0.00		+ I Sub Item by king on this icon	=	ð	+	Û

Now the sub-item of the Parent Item can be added by clicking on the highlighted icon in above picture.

The Next screen is Estimate Measurement Screen.

Estimate Measurement					
Department	Works	v	Branch *	Select	~
SR Zone *	Northern Zone	v	SR Year *	2017	
SR Type *	● Civil				
Chapter	Site Cleareance	•			
Category	Site Clearance	v			
Item Code Search					
Item Name Search					
Search					
Items List					0
0		Item Description			
🗹 [Site Clearance][1.1] - (i) Gir	rth from 300 mm to 600 mm AR 2006 P No 195				
🛛 [Site Clearance][1.2] - (ii) Gi	irth from 600 mm to 900 mm AR 2006 P No 195				
🗌 [Site Clearance][1.3] - iii) Gi	rth from 900 mm to 1800 mm AR 2006 P No 195				
□ [Site Clearance][1.4] - (iv) G	irth above 1800 mm . AR 2006 P No 195				
🗌 [Site Clearance][2] - Clearing	g grass and removal of rubbish up to a distance of 50 m	etres outside the periphery o	f the area (AR-:	2006,P-196)	
□ [Site Clearance][3.1] - i) In a	area of light jungle (AR-2006,P No-196				
🗌 [Site Clearance][3.2] - (ii) In	area of thorny jungle AR 2006 P No 196				
[Site Clearance][4] - Dismant	tling of Lime Concrete, cement concrete grade M-10 an	d below including T&P and so	affolding where	ever necessary, sorting the dismantled material, disposal	of unse
[Site Clearance][5] - Dismant	tling of Cement Concrete Grade M-15 & M-20 including	T&P and scaffolding whereve	r necessary, sor	ting the dismantled material, disposal of unserviceable r	nateria
[Site Clearance][6] - Dismant	tling of Prestressed / Reinforced cement concrete grade	e M-20 & above including T&F	and scaffoldin	g wherever necessary, sorting the dismantled material, o	disposal
🖻 Save Items	14.4	Page 1 of 5 🕨 🖬		View 1 - 1	0 of 45

- SR Year and SR fields are auto generated.
- Select Branch.
- Select Chapter and Category from the list.
- Now click on Search button which will enable user to select the items related to the field like Chapter and Category.
- 'Save Items' button will add the selected sub-items for the particular Parent Item.

		Estimate Nur	mber 213/876/1 ¥												
Meas	1. Plea 2. Plea 3. Once 4. The 5. Scad 6. Afte	se Add Lead e estimate is Total Amount la Charges de	NOTE: alculate Lead Charges bu Coefficient and Estimate finalized,No changes car t shown below does not i educt from rate proposed u cannot transfer estima	Distance be done nclude re I. To calc	e for Calcu e. ecapitulati	llation of Lea	d Charges.		2		t last of list.		Rate	Affecting Fac	ctor: 0.0
Sr. No.	Contraction of the second	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add	Delete
1	1.00		1-Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.		Ø	1.00	0.0	0.00 Sub Iter	0.00 <b>n</b>	1	+	Ξ	8	+	Û
2	1.01	Site Cleareance	1.1-(i) Girth from 300 mm to 600 mm AR 2006 P No 195	Each	ľ	1.01	0.0	282.59	0.00	1	+	Ξ	1	+	đ
3	4.00	R.C.C. Works	3-R.C.C. work of M-15 grade with 20mm &	Cubic Meters	Ø	4.00	0.0	5,968.47	0.00	1	+	=	1	+	Ô

Sub-item of the parent item is now visible in the 'Measurement Details' screen.

#### 3.4. Enter Measurement

Hestre	ment D	lotails											Rate	Affecting Fac	tor: 0.0
Sr. Oro No. No.	der Ch Na	hapter ame	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Delete
1 0.1	01 Ea	rthvork	1.1-Earth work in oridinary soil within 50m, initial lead and 1.5m, initial lead and 1.5m, initial lift including rought dressing and breaking clods to modimum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of the Engineer-in-charge per 100 cum, AR P ND- 01		G.	0.01	4.0	149.82			n + ico	) = n	,	+	8
		0		Delet	e All Items :										
							To	tal Amoun			0				
							GST Ch	arges (12%	:		0				
											0				
			#dd Lea	d Distance	1										
Add SR	Items	Add Pa	arent Items Add N	on SR Iten	Calcu	ilate Lead C	harges	Quality Ch	arges	Add Se	erviceable Item	Transfer Est	Final	ze Measuren	nents
Sandba	cit Mes	suremer			al harmon										

The Measurements can be given by clicking on the '+' icon which is highlighted in above picture.

It will redirect to Add Measurement screen.

🕈 You are here / null											
and a man to be the state of the state of the	k in oridinary soil with		tial lead and 1.5m, initia per 100 cum. AR P NO- 0		dressing and	breaking clods to	maximum 5cm to	o 7cm and layin	ıg in layers n	ot exceed	ling 0.3m
	SOR Rate 113.34			SOR Quantity 2.	0			Unit	Cubic Meters		
Add Measurements											
Item Heading	Item Sub Heading	Typical	Typical Measurements	Part	No.	Length	Breadth	Depth	Quantity	Delete	Сору
outside wall	item1			Road Appurtenanci 🗸	2	1	1	1	2.000	đ	C Copy
Add Measurements Save	Cancel Return to item S	election						To	otal Quantity:	2.000	

- Enter Item Heading and Sub Heading.
- For Typical click on the check box and provide formula in Typical Measurement field.
- Select part from the list.
- Provide no.
- Enter Length, Breadth and Depth in its field.
- Then the Quantity will auto generated.
- The 'save' button will save the added measurements.
- Copy button will enable to copy the given measurements so that the user can add a similar measurement at the time of its requirement.
- Measurement can be added by clicking on the 'Add Measurement' button.

🕈 You are here / null

	k in oridinary soil withi		tial lead and 1.5m, initia per 100 cum. AR P NO- 01		dressing and l	breaking clods to	maximum 5cm ta	) 7cm and layir	ıg in layers n	ot exceed	ling 0.3m
	SOR Rate 113.34 SOR Quantity 2.0 Unit										
Add Measurements											
Item Heading	Item Sub Heading	Typical	Typical Measurements	Part	No.	Length	Breadth	Depth	Quantity	Delete	Сору
outside wall	item1	۵		Road Appurtenanci 🗸	2	1	1	1	2.000	Î	Ф: Сору
Add Measurements Save	Cancel Return to Item Se	election						To	otal Quantity:	2.000	

- Added measurements can be deleted by pressing the delete icon.
- Cancel button will clear the fields that was entered.
- Return to item selection button will get user back to the Measurement Screen.

#### 3.5. View Measurements

User can view their entered measurements by clicking on the View Measurements in Measurement Details Screen.

and and an	1. Plea 2. Plea 3. Once 4. The 5. Scad 6. Afte	se Add Lead e estimate is Total Amoun Ia Charges d r finalize, Vo	NOTE: Calculate Lead C Coefficient and i finalized, No ch it shown below d educt from rate ou cannot transfe	Estimate anges can loes not in proposed.	Distance be done nclude re . To calc	e for Calcul E. Ecapitulatio	lation of Lea	d Charges.		Ĩ		t last of list.				
r. Io.		nt Details Chapter Name	Item Descripti	on	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Rate Edit Measurements	Affecting Fac Add Material Coefficient	Delet
1	1.00	Site Cleareance	1-Cutting of tri including cutti trunks, branch removal of stu roots, stacking serviceable ma with all lifts ar a lead of 1000 and earth fillin depression/pit	ng of es and mps, of aterial ad up to metres og in the		œ	1.00	0.0	0.00	0.00	3	1.2	= Click on the i View Measu		+	8
2	1.01		1.1-(i) Girth fr mm to 600 mm 2006 P No 195		Each	æ	1.01	0.0	282.59	0.00	1	.+.	=	1	*	8
			0		Deb	ete All Items	=									
								Ţ	otal Amoun	t:		0				
								GST C	hanges (12%	i) :		0				
				Add Lead	Distance	A										
Ad	id SR It	ems Adid	Parent Items	Add No	n SR Ite	m Calc	ulate Lead	Charges	Quality C	harges	Add S	erviceable Item	Transfer Est	Finalia	ze Measurem	ents

The next screen which is 'View Item Measurement' screen shows all the added measurements including the total quantity.

Estimate No : 213 ItemCode : 1.1 Item Desc : (i) Gir Unit : Each	th from 300 mm to 600 i	mm AR 2006 P No 195	j					
ltem Heading	Item Sub Heading	Measurements Details	Part	No.	Length	Breadth	Depth	Qty
inside wall	item1		H.P.C Culvert - 300mm Single Row	2.0	2.0	2.0	2.0	16.000

• Click on 'Close' button to go to the Measurement Details Screen.

#### 3.6. Edit Measurements

User can edit their added measurements by clicking on the Edit Measurements icon which is highlighted in the below image.

	0.0	Charles	In an Description	144.14	1.10	0.1	(Charles )	0		0.3	E-re-	10	P. 04	111	D.1.1
Sr. No.	No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Delete
1	0.01	Earthwork	1.1-Earth work in oridinary soil within 50m, initial lead and 1.5m, initial lift including rought dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of the Engineer-in-charge per 100 cum, AR P NO- 01	Cubic Meters	æ	0.01	4.0	149.82	599.28	1	• Click	■ on the	icon to	• edit	8

Then it will redirect to Edit Measurement Screen.

Item Heading	Item Sub Heading	Typical Measurement Details	Part	No.	Length	Breadth	Depth	Quantity	Delete
inside wall	item1		H.P.C Culvert 🗸	1.0	1.0	1.0	1.0	1.0	Î
outside wall	item1	.30*1	H.P.C Culvert 🗸	1.0	1.0	1.0	1.0	0.3	Î

- Enter Item Heading and Sub Heading.
- For Typical click on the check box and provide formula in Typical Measurement field.
- Select part from the list.
- Provide no.
- Enter Length, Breadth and Depth in its field.
- Delete measurements by pressing the delete icon.
- 'Return to Item Selection' button redirects the current screen to the 'Measurement Details' Screen
- Changes can be made by clicking on the 'Update' button.

#### 3.7. Order Number

	1. Pla 2. Pla 3. Onc 4. The 5. Sca	ase Adil Lead ce estimate is Total Amour da Charges d	NOTE: Calculate Lead Charge Coefficient and Estir i finalized, No change it shown below does i educt from rate prop su cannot transfer est	nate Distano s can be doe not include n osed. To calc	e for Calc e. ecapitula	ulation of	Lead Charg	jes.			t last of list.				
lea	sureme	nt Details											Rate	Affecting Fac	tor: 0
ir. 10.	Order No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	10000	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Dele
1	1.00		2-Clearing grass and removal of rubbish to a distance of 50 metres outside the periphery of the are	Φ	œ	С С	0.0 Char	0.00 nge O	a.aa		+ er	=	1	+	8
2	2.00		3.2-(ii) In area of thorny jungle	Hectare	œ	2.00	23500.0	5.54	130,190.00	1	+	=	1	+	ŝ
			0	Dela	te All Item	1	1	Clic	k on th	ne I	con				
								Total Amo	ount :		0				
							GST	Charges (1	12%) :		0				
											0				
			Add	Lead Distance	A										
	dd SR I	tems Add	Parent Items Add	Non SR Ite	m Cal	culate Lea	ad Charge	s Quality	Charges A	udd Ser	viceable Item	Transfer Estim	Finalize	Measuremen	its

Sendback Measurements

- Write Order Number in the order number field.
- Click on the ' $\checkmark$ ' icon.

		Estimate Nu	mber 213/858/1 ¥												
	1. Plea 2. Plea 3. Onc 4. The 5. Scal 6. Afte	ese Add Lead e estimate is Total Amoun da Charges de er finalize, Yo	NOTE: alculate Lead Charges b Coefficient and Estimat finalized,No changes ca t shown below does not educt from rate propose u cannot transfer estima	e Distance n be done include re d. To calc	e for Calc e. ecapitula	tion charg	Lead Char	ges.		cent at	t last of list.		Bate	Monton Da	tor: 0
lea	sureme	nt Details											Rate	Affecting Fac	tor: 0.
Sr. No.	Order No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Delet
	1.00	Site Cleareance	3.2-(ii) In area of thorny jungle	Hectare	8	1.00	23500.0	5.54	130, 190.00	1	*	=	1	+	8
1				Hectare	Ø	2.00	0.0	0.00	0.00	1	÷	=	1	+	ŝ

# 3.8. Add Material Co-efficient

Estimate Number 213/876/1 ¥

		Estimate Nu	mber 213/876/1 ¥												
	1. Plea 2. Plea 3. Onco 4. The 5. Scac 6. Afte	ise Add Lead e estimate is Total Amouni da Charges de r finalize, Yo	NOTE: alculate Lead Charges bi Coefficient and Estimate finalized, No changes cai t shown below does not i educt from rate proposec u cannot transfer estima	Distance n be don nclude n d. To calc	e for Calcı e. ecapitulat	ulation of Lea	d Charges.		-		t last of list.				
1233 C	and the state	nt Details	Item Description	Unit	Edit	Order	Quantity	Data	Amount	Sub	Enter	View	Rate .	Affecting Fac	tor: 0.0
Sr. No.	No.	Chapter Name	Item Description	Unit	Items Details	Number	Quantity	Proposed	Amount	Item		Measurements		Material Coefficient	
1	1.00	Site Cleareance	1-Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.		Ø	1.00	0.0	0.00	0.00	3	+		₽ on to add erial Coeffici	+ ent	Î
2	1.01	Site Cleareance	1.1-(i) Girth from 300 mm to 600 mm AR 2006 P No 195	Each	ľ	1.01 V 1.01	0.0	282.59	0.00	1	+		1	+	â
3	4.00	R.C.C. Works	3-R.C.C. work of M-15 grade with 20mm &	Cubic Meters		4.00	0.0	5,968.47	0.00	1	+	=	1	+	Ô

The Material Coefficient can be added by pressing on the '+' icon.

The next screen shows the Material Details screen.

IMPORTANT, PLEA	ISE NOTE: ents generated by the system must be verified by the user before save/update operation.				
Material Details					
Select	Material Description	Material Description	Material Rate	Lead Coefficient	Dele
	18-Screened and washed sharp sand for mortar	Sand	35.00	0.0000	Î
	19-Sand for filling and road blinding	Sand	35.00	1.0000	Ô
SELECT MATERIA	20-Clay mortar for masonry work with admixture of sand.	Earth	35.00	0.0000	Î
D	24.1-a) Granite broken stone of size not less than 0.0025 Cum. Stacked	Granite Product	130.00	0.0000 <b>U</b>	Ô
	24.2-b) Granite stone of size not less than 0.0025 Cum. picked up.	Granite Product	130.00	0.0000 ENTER LEAD COEFFICIENT	Ô
	25-Stone other than granite quarried, broken and staked 0.0015 Cum to 0.003 Cum	Granite Product	130.00	0.0000	Î
	26-Stone other than granite picked up and staked 0.0015 Cum. to 0.003 Cum	Granite Product	130.00	0.0000	â
	27-Stone other than granite quarried, broken and staked above 0.003 Cum	Granite Product	130.00	0.0000	Ô
٥	28-Stone other than granite picked up, broken and staked above 0.003 Cum	Granite Product	130.00	0.0000	Ô
	29.1-a) Crusher broken.	Granite Product	130.00	0.0000	Ô
SAVE COEFFICIENT	29.2-b) Hand broken.	Granite Product	130.00	0.0000	Ô
	30.1-a) Crusher broken.	Granite Product	130.00	0.0000	â



- Select material.
- Enter the Lead coefficient.
- Materials can be saved by 'Save/Update Coefficients' button.
- Any Materials can be deleted by pressing the delete icon.
- The 'Close' button will lead user to the Measurement Screen.

#### 3.9. Add Lead Distance

Hea	sureme	nt Details											Rate	fecting Fact	tor: 0.0
Sr. No.	Order No.	Chapter Name	ltem Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurement	Add Material Coefficient	Delet
1	0		Quality Charges		ß	0			0.00	1	+	Ξ	1	+	Û
2	0		Royalty Charges		Ø	0			0.00	1	+	Ξ	1	+	Û
3	0		Serviceable Cost		Ø	0			0.00	1	+	Ξ	1	+	Û
		0			De	lete All Items :	t.								
								Total	Amount :		0				
			C	iele		Add L	and I	GST Charg	es (12%) ;		0				
			C	ICK	on	Add L	.eau i	Dista	ncei	co	0				
				Add Le	ad Distance	A	-								
Add	SR Item	s Add P	arent Items	Add N	Non SR Ite	em Calcul	ate Lead Ch	arges Qu	ality Char	ges	Add Serviceable	Item Transfer I	Estimate Final	ize Measurem	ients
Sen	dback M	easureme	nts												

- Lead distance can be added by clicking on the 'Add Lead Distance' icon.
- Next Screen will be redirected to Materials Screen.

aterials				
lect	Material Description	Quarry Name	Distance	Dele
8	1-Cement	Rasulgargh	6.0000	Î
	2-Sand	Balianta	10.0000	Û
Α	3-Noorum			Î
17 -	4-Duarry Dust		click on the	
U	191-Bitumen (VG-30)		icon to delete	1
Select	Material			Û
0	193-Emulsion (S.S)			Î
ubmit	195-300mm dia NP3 Hume Pipe			Î
D	196-600mm dia NP3 Hume Pipe			Û
0	197-1000mm dia NP3 Hume Pipe			8

- Select the material from the list.
- Fill the source name in 'Quarry Name' field.
- Add lead distance in 'Distance' field.
- The material can be deleted by clicking on the delete icon.
- Click on Submit button.
- Click on 'Close' button to go to the Measurement Details Screen.

#### **3.10.** Calculate Lead Charges

Dele	Add Material Coefficient	Edit Measurements	View Measurements	Enter Measurements	Sub Item	Amount	Rate Proposed	Quantity	Order Number	Edit Items Details	Unit	Item Description	Chapter Name		Sr. No.
Û	+	1	Ξ	+	1	0.00			0	ø		Quality Charges		0	1
â	+	1	Ξ	+	1	0.00			0	ß		Royalty Charges		0	2
Û	+	1	Ξ	+	1	0.00			0	Ø		Serviceable Cost		0	3
				0		Amount :	Total		lick o				0		
				0		es (12%) :	Col Charge	Char	Lead	ate	cul	Cal			
				0				-							
								V	A	ad Distance	Addle				
ents	ize Measurem	stimate Finali	tem Transfer E	Add Serviceable I	ges 4	ality Char	arges Qu	ate Lead Ch	m Calcula	Non SR Ite	Add N	arent Items	Add Pa	SR Items	Add

Lead charges can be calculated in accordance to the given material source and its lead distance provided in the Lead distance field by clicking on the 'Calculate Lead Charges' button.

Delete	Add Material	Edit Measurements	View Measurements	Enter Measurements	Sub Item	Amount	Rate Proposed	Quantity	Order Number	Edit Items	Unit	Item Description	Chapter Name	Order No.	Sr. No.
	Coefficient									Details					
Û	+	'	Ξ	+	1	0.00			0	8		Quality Charges		0	1
Û	+	1	=	+	1	0.00			0	Ø		Royalty Charges		0	2
Û	+	'	Ξ	+	1	0.00			0	Ø		Serviceable Cost		0	3
								ŧ	ete All items :	Del			٥		
				arges <sup>0</sup>	Ch	ility	n Qua	ick o	C						
				0			GST Charge								
				0		Π									
						57			A	ad Distance	Add Lei				
ants	ize Measurem	timata Finali	Item Transfer 8	Add Serviceable I		ality Char	armer Our	ate Lead Ch	Calcula	Ion SR Ite	Add N	arent Items	Add D	CD Itom	1.44

#### 3.11. Quality Charges

Quality Charges can be add by pressing on the 'Quality Charges' button present in Measurement Details Screen.

Then it will redirect to Quality Charges Screen.

Saved S	Successfully	-						
Quality	Charges							
	Test Name	Soll Testing	*					
	Test Sub Types	Select	v					
	Remarks	Soil Test for Road						
	No Of Test	1						
	Add		Click on Add					
Quality	Control Test List							
Sr.No.	Test Name	Test Description	Unit	Rate	No Of Test	Rate (A):	Remarks	Delete
1	Soil Testing	Soil Testing	Test	100.0	1	100.0	Soil Test for Road	*
Return to	o Itam Selection	Beturn	Click on To Item Select	tion		total Quality Raterial: on Dele		n

- Select Test Name
- Select Test Sub Types.
- Enter No of test.
- Save the help of 'Add' button.
- User can delete any Test by clicking on the delete icon.
- 'Return to Item Selection' button will redirect the present screen to the Measurement Details Screen.

#### **3.12.** Finalize Measurements

Sr. No.	Order No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Delete
1	1.00	Non-SR	3-LABOUR FOR SHIFTING HOUSE HOLD MATERIAL (Non SR)	Numbers	ß	1.00	0.0	56.56	0.00	1	+	=	1	+	Ē
2	1.01	Site Cleareance	1.1-(i) Girth from 300 mm to 600 mm AR 2006 P No 195	Each	Ø	1.01	0.0	247.24	0.00	1	+	=	1	+	Ô
3	0		Quality Charges		Ø	0			0.00	1	+	=		+	â
4	0		Royalty Charges		Ø	0			0.00	1	+	=		+	Ô
5	0		Serviceable Cost		Ø	Ó			0.00	1	+	=		+	Ô
		0			D	elete All Items :	ū								
								Total	Amount :		0			21	
								GST Charg	es (12%) :		0	Click to Fina	lize Measure	ements	
											0		Л		
			Add	l Lead Distance	A								V		
Add	SR Item	s Add Pare	nt Items Add Non SF	t Item Ca	lculate Le	ad Charges	Quality Ch	arges Ado	d Servicea	ble Iter	n Transfer Esti	nate Finalize /	Aeasurements		

- Click on Finalize Measurements button.
- After Finalization estimate will get forwarded from Section officer (Junior Engineer) to Subdivision Officer (Assistant Executive Engineer).
- Once estimate is finalized then user will not be allowed to perform any functionality like Enter Measurements, Edit Measurements or Delete Measurements.
- The process flow of Estimate begins from Junior Engineer Login -> Assistant Executive Engineer Login-> Estimator Login->Executive Engineer Login-> Superintendent Engineer Login-> Chief Engineer-> Engineer In Chief Login

#### 4. By selecting Estimates -> Estimate -> Used Estimates. displays Used Estimate Details Screen

Estimates	1000	and the second second		(ax 36+, Google Chrome 37+)				
Masters	ft You	are here / Estimates	Estimate					
Estimate		Estimate Number	213/891/1	Y	Q			
Estimate Master	Used E	stimate Details						
» Measurement	Sr.No.	Estimate Descriptio	n	Estimate For	Estimate Amount	Sr Year	View Items	Сору
» Used Estimates	1	Test Estimate		37	2.017.00	Roads		-
Recapitulation Entry		The Lander				10000		1
» Upload Documents							Δ	
<ul> <li>Upload Items</li> </ul>					lick on the ic		La contra de la co	
Estimate Rate Analysis				IV	leasurement	Detail	s	

Sr. No.	Heading	SubHeading	Length	Breadth	Depth	Quantity
1			0.0	0.0	0.0	0.0
2			1.0	1.0	1.0	32.0
3			0.0	0.0	0.0	0.0
4			1.0	1.0	1.0	36.0
5			0.0	0.0	0.0	0.0

🗲 Back

- Click on View icon to see the measurement details for this Estimate.
- Click on Back button to go to Used Estimate Details Screen.
- Click on Copy icon to copy this estimate to another work which has no previous estimate present.

Parent	Work Number	30	
Parent Wor	k Description	M/R to Rest Shed B	uildings
	Work Number	30/5	
Wor	k Description	M/R to Rest Shed	Click on the icon to
y Estimate			Search Work Num
Estimate Number *	30/5		
Estimate Description *	ROAD ESTIN	1ATE	
Estimate Date *	09/05/2021		<b>**</b>
SR Year *	2017		~

- Click on Search icon to search the Work Number.
- Enter Estimate Description.
- Select SR Year.

.....

- Click on copy icon.
- Click on Cancel button to go to Used Estimate Details Screen

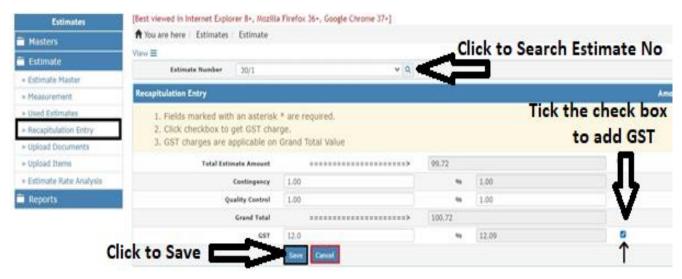
Copied S	Successfully								
	Estimate Number	Select		✓ Q					
Estimate	e Details								
Sr.No.	Estimate Descrip	otion	Estimate For	Estimate Amount	SR Year	Edit	Delete	View & Add Items	Сору
No Recon	d To Display								
Add									

The below image shows the similar estimation as the copied one (eg. Copy 213/891/1 to 30/5).

	Estimate Number 30/5		✓ Q					
Estimate I	Details							
Sr.No.	Estimate Description	Estimate For	Estimate Amount	SR Year	Edit	Delete	View & Add Items	Сору
1	ROADS	Roads	9,099.24	2017	1	Î		æ

5. By selecting Estimates -> Estimate -> Recapitulation Entry displays Recapitulation Entry Screen.

User can calculate Quality Control Charges, GST against the Estimate in Recapitulation Entry Screen.



- Search the Estimate Number.
- Enter the Contingency percentage.
- Enter Quality Control percentage.
- Click the check box to include GST and make changes if needed.
- Click on save button to add the charges to the total amount.
- Cancel button redirect the current screen to the View Recapitulation Details Screen.

Re	ecord Saved Successful	ly			Clic	k to E	dit
	Estimate Number	30/1		v Q			
View R	ecapitulation Details					ų	nt in Rs.
Sr. No.	Estimate Amount		GST Amount	Recapitulation Amount	Total Amount	Edit	Delete
1		99.72	12.09	1.2	4 112.93	1	1
+448	EVer Al			C	ick to delete 🕳		<b>A</b>

- Click on the Add button to make new entry.
- Click on Delete icon to delete the entry.
- Click on the edit icon user to edit entries like Contingency, quality control and also can add GST.
- Click on Update to make Changes.

**6.** By selecting Estimates -> Estimate -> Estimate Rate Analysis. Measurement Detail screen is displayed.

Estimates
🗎 Masters
🗎 Estimate
» Estimate Master
» Measurement
» Used Estimates
» Recapitulation Entry
» Upload Documents
» Upload Items
» Estimate Rate Analysis
Reports

#### 6.1 Edit Material Rates

	Estimate Number 213/855/1 v Q click	to	sea	rch	Estir	nate	No
Measure	ment Details						
Sr. No.	Item Description	SR Year	Unit	SR Unit Rate	Copy Analysis	Edit Material Rates	Enter Analysi
1	4-Cement concrete (1:4:8) with 4 cm size hard granite metal Click on the Icon to edit	2017	Cubic Meters	0.00	0	1	ß
2	43.5.1-900mm equilateral triangle	2017	Each	0.00	20	1	ď
3	6.1-Labour for fitting and fixing woven wire fencing with top line of barbed wire to the posts by means of staples and straining hooks.	2017	Meters	0.00	٢	1	ß
4	6.2-Labour for fixing old sal bullah including cost of nails after cutting to required sizes.	2017	RM	0.00	æ	1	C,
5	6.3-(e) 450mm dia R.C.C. pipe	2017	RМ	0.00	2	1	ď
6	3.1-i) in area of light jungle (AR-2006,P No-196	2017	Square Meters	5.41	۵	1	Ľ
7	1.1-Earth work in oridinary soil within 50m, initial lead and 1.5m, initial lift including rought dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of the Engineer-in-charge per 100 cum. AR P NO- 01	2017	Cubic Meters	110.14	8	'	¢

Material Rates can be changed as per the local market price for the prescribed materials by clicking on the edit icon which is highlighted in above picture.

The next Screen is Edit Material's Rate Screen.

Rates upd	fated successfully.							
Item Deta	ik							
Fiel	lds marked with an a	asterisk * are required.						
	Estimate Number	213/855/1						
	Item Code	4						
	To Item Description	Cement concrete (1:4:8) with 4 cm size	hard gra	inite metal				
	Item Unit	cum						
Edit Mate	rial's Rate							
Sr. No.	Item Descriptio	n	Unit	Item Rate	Quantity	Percentage Considered	amount	Rate
1	Cement		qtl	583.59	1.7200	100.00	1003.775	583.59
2	Screened and was	shed sharp sand for mortar	cum	46.00	0.4800	100.00	22.080	46.00
click	Granite Stone bro	ken metal 40mm. size- b) Hand broken.	cum	544.00	0.9600	100.00	522.240	544.00

- Enter local market rate in the Rate Field.
- Click on Update button to save particular item's changed Rate.
- Press Cancel button to go to Estimate Rate Analysis Screen.

#### 6.2 Copy Analysis

Honor	vment Details						
Sr. No.	Item Description	SR Year	Unit	SR Unit Rate	Copy Analysis	Edit Material Rates	Enter Analysi
1	4-Cement concrete (1:4:8) with 4 cm size hard granite metal Click to Copy Analysis		Cubic Meters	0.00	~	1	ß
2	43.5.1-900mm equilateral triangle		Each	0.00	2	1	C.
3	6.1-Labour for fitting and fixing woven wire fencing with top line of barbed wire to the posts by means of staples and straining hooks.	2017	//eters	0.00	2	1	ß
4	6.2-Labour for fixing old sal bullah including cost of nails after cutting to required sizes.	2017	R/M.	0.00	3	1	Ľ
5	6.3-(e) 450mm dia R.C.C. pipe	2017	RM	0.00	٢	1	C,
6	3.1-i) In area of light jungle (AR-2006,P No-196	2017	Square Meters	5.41	2	1	Ø
7	1.1-Earth work in oridinary soil within 50m, initial lead and 1.5m, initial lift including rought dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per direction of the Engineer-in-charge per 100 cum. AR P NO- 01	2017	Cubic Meters	110.14	2	1	ß

Here any particular item rate of an estimate can be copied to this item with the help of copy icon.

#### Click to go to Previous Screen Copy Estimate Analysis Breakup Fields marked with an asterisk \* are required. To Estimate Number 213/855/1 To Item Code 4 Cement concrete (1:4:8) with 4 cm size hard granite metal To Item Description Item Unit cum From Estimate Number \* 213/876/1 ¥ Click to From Item \* 3-Providing 6mm thickness precoated seal coat type 8 using 💙 Click to Clear the Fields Copy

- Select Estimate number.
- Select the item which you want to copy.
- Click on Copy button to Copy Estimate Analysis.
- Click Reset button to clear fields.
- Click on Back button to go to Estimate Analysis screen.

	Estimate Number	213/855/1		V Q						
Measure	ement Details									
Sr. No.	Item Description				SR Year	Unit	SR Unit Rate	Copy Analysis	Edit Material Rates	Enter Analysis
1	4-Cement concrete (1:	4:8) with 4 cm size hard granite	metal		2017	Cubic Meters	56.00	4	1	ď

We can see the SR unit rate copied from the Estimate Number that we had entered in 'Copy Estimate Analysis Breakup' Screen.

# 6.3 Enter Analysis

	Estimate Number	213/876/1		Y Q							
Measur	ement Details										
Sr. No.	Item Description					SR Year	Unit	SR Unit Rate	In Statistics	Edit Material Rates	Enter Analysi
1	1.1-(i) Girth from 30	0 mm to 600 mm AR 2006	5 P No 195			2017	Each	229.02	ආ	1	Ø
2		15 grade with 20mm & do Id laying. AR 2006 P No 49	A CALIFORNIA CONTRACTOR CONTRACTOR	hard granite (cr	rusher broken) chips	2017	Cubic Meters	3949.38	4	1	Û
3		20 grade with 20mm & do Id laying. AR 2006 P No 50		hard granite (cr	rusher broken) chips	2017	Cubic Meters	4436.84	ී Click t	o Enter /	⊘ Analysi
4	than 1.44gms./1.52g to3m./more than 3m initiallift from appro- bottom of the pit not finalsection of the b inlayer, each layer m shrubs,bushes and a andcambering the ea andcomplete in all m bemeasured on sect cost of controlled co	dinary soil in embankmer gms./1.65gms. per cubico n. high and top 0.5m. bel wed borrow pits 5m. awa t being cut by an imagina ank including rough dress ot exceeding 23cm. in de Il foreign debris form the arth work and conveyance espect as per specificatio ion measurement afterco ompaction with P.R.R.,wa unning charges of P.R.R.	entimeter in road er ow subgradelevel, w y from toe ofthe fina ry line having aslope ing andbreaking cloo opth upto required le earth andbenching f e of all materials, T on of workand direct mpaction under O.M	mbankment resp vithin 50m. initia al section of the e 1:4 projected f ds maximum 5cr evel including re the old embanku & P articles req ion of the Engin I.C. condition (p	bectively up al lead and 1.5m. e road embankment, form the edge of the m. to 7cm. and laying moval of roots, ment, sectioning uired for the work eer-in-charge and to er 100 Cu.M.)including		Cubic Meters	0.00	đ	1	ď

#### 6.3.1 Add Labour

	em Code Item Description						Item	11-14	Update Misc C		_
1.1		nm to 600 mm	R 2006 P	No 195		Unit	-	2	_		
207	-						each		Update Misc	Charge	es
tem	ns List										
	Item	Unit	Quantity	Item Rat	e (Rs per unit)/Percen	Percentage Cor	sidered(%)	Amount (Rs)	remarks	sort	
	[A] Labour (2)										
3	Mate	days	0.024	348		100		8.352		1	16
1	Male mulia	days	0.6	308		100		184.8	Mulia unskilled f	2	10
			0.624					193.15			
	[E] Machinery (1)										
	Tractor	hrs	0.1	200.87		100	1	20.087		3	10
			0.1					20.09	1		-
	[G] SR (1)										
	Ramming or rolling earth work with light H.R.R. inembankm.	cum	10	0.0%		100		0		6	10
			10					0			1
-	[I] Misc (1)										
	Overhead Charges	x	1	7.5%		100		15.7776		4	16
	Page 1 of 1										ng 1 - 5 o
п			Grand	l Total ( For 1.00 ea	ch):: 229.02					Disbigai	191 50
V	Click on Add Labour				unt:: 229.02						
Add	Labor Add Labor Miscellaneous Add Material	Add Material Mis	ellaneous	Add Machinary	Add Machinary Mi	iscellaneous	Add SR Item	Add Overhead Charges			
Cha	apter: *				Quantity:*						
Lab	our			*	5						
Cate	egory: *				Percent To Be C	onsidered:*					
	lled			*	100						
	m: *			Tend	Rate: *						
ten	] - Stone dresser/ Cutter (Second class)			*	398.00 Remarks:						
ten	,,,,										

- Select Labour chapter and its underlying category.
- Select item from the list which gets populated from Schedule Rate.
- Labour Rate gets auto populated in accordance to the Labour Published Date that is selected from Estimate Master.
- Enter Quantity.
- Percentage rate by default is 100 and can be changed.
- Click on Submit button to save the record.

Iter	n Code Item Dese	c <b>ription</b> om 300 mm to 600 m	m AD 2006 D I	10.105			Item each	Unit	Update Misc C		1
1.1	(i) dirui ii		III AK 2000 P I	195			each		Update Misc	Charge	es
tems	List										
	Item	Unit	Quantity	Item Rab	e (Rs per unit)/Percen	Percentage Con	sidered(%)	Amount (Rs)	remarks	sort	
	A] Labour (3)										
]	Mate	days	0.024	348		100		8.352		1	16
1	Male mulia	days	0.6	308		100		184.8	Mulia unskilled f	2	16
]	Stone dresser/ Cutter (Second class)	days	5	398		100		1990		7	16
_			5.624					2183.15			
	E] Machinery (1)										
1	Tractor	hrs	0.1	200.87		100		20.087		3	10
			0.1					20.09			
	G] SR (1)										
3	Ramming or rolling earth work with light H.R.R. i	nembankm cum	10	0.0%		100		0	1	6	16
			10					0		-	1.00
	I] Misc (1)										
	Overhead Charges	X		7.5%		100		15.7776		4	16
			0					15.78		18	
	Page 1 of 1									Displayin	ng 1 - 6 o
			Grand	Total ( For 1.00 eac	h):: 2219.02						_
		1 Alexandre		Unit Amou	nt:: 2219.02			Y	1		
Add L	abor Add Labor Miscellaneous Add Ma	aterial Add Material	Miscellaneous	Add Machinary	Add Machinary Mi	scellaneous	Add SR Item	Add Overhead Charges			
hap	ter:*				Quantity:*						
				*		100-100-5					
Cate	jory: *				Percent To Be (	onsidered:*					
				~	100						
item				*	Rate: *						_
					Remarks:						
											_

After submit Labour details is now visible in Rate Analysis Screen.

#### 6.3.2 Add Labour Miscellaneous

Tto	m Code	Tto	m Description						Iten	u Unit	Update Misc (	Charge			
1.1			Girth from 300 m	m to 600 mr	n AR 2006 P N							Update Misc Charges			
									0.08992		Opdate Misc	Charge	es		
	s List														
	Item			Unit	Quantity	Item Rab	e (Rs per unit)/Percen	Percentage Cons	idered(%)	Amount (Rs)	remarks	sort	1.		
10	[A] Labour (3)														
-	Mate			days	0.024	348		100		8.352		1	16		
1	Male mulia			days	0.6	308		100		184.8	Mulia unskilled f	2	10		
1	Stone dresser/ Cutter	(Second class)		days	5	398		100		1990		7	10		
				0500	5.624	1				2183.15	513).				
	[E] Machinery (1)														
<u>ا</u>	Tractor			hrs	0.1	200.87		100		20.087		3	10		
					0.1	1				20.09					
	[G] SR (1)														
<b>m</b>	Ramming or rolling ea	rth work with ligh	it H.R.R. inembankm	cum	10	0,0%		100		0		6	10		
					10					0		-			
	[I] Misc (1)														
m	Overhead Charges			x		7.5%		100		15.7776		4	16		
					0					15.78			100		
	Page 1 of 1									15/70		Displayi	ng 1 - 6 c		
_	_				Grand 1	otal ( For 1.00 eac	h):: 2219.02								
		k to Add I	abour Misce	ellaneou	5		nt:: 2219.02								
Add	Labor Add Labor I	liscellaneous	Add Material	Add Material I	liscellaneous	Add Machinary	Add Machinary M	iscellaneous	Add SR Ite	m Add Overhead Charg	es				
200200															
Cha	pter: *	Contractor P	rofit 👻												
Per	centage / Amount ?:	Percentag	je												
		🔘 Amount													
Per	centage/Amount:*	7.5	\$												
	narks:														

- Select Labour item from the list against which the labour miscellaneous will be calculated.
- Select chapter from the list.
- Click on Percentage or Amount radio button.
- Enter Percentage or Amount in the Field according to selected radio button.
- Click on Submit to save.
- Click on Cancel button to not save unwanted changes.

Back	

Ra	te Analysis : Zone -Northern Zone									
It	em Code Item Description					Ite	m Unit	Update Misc (	Charge	s
1.	1 (i) Girth from 300 m	m to 600 mn	n AR 2006 P No	195		ead	h	Update Misc	Charge	s
Iten	is List									8
	Item	Unit	Quantity	Ite <mark>m R</mark> ate	e (Rs per unit)/Percen Perce	entage Considered(%)	Amount (Rs)	remarks	sort	
	[A] Labour (3)									
	Mate	days	0.024	348	100	2	8.352		1	10
	Male mulia	days	0.6	308	100		184.8	Mulia unskilled f	2	10
7	Stone dresser/ Cutter (Second class)	days	5	398	100		1990		7	10
9 (	) [B] Misc. Labour (1)		5.624				2183.15		-	
	Contractor Profit	x		7.5%	100		149.25		8	20
			0	10			149.25			
9 [	[E] Machinery (1)									
	Tractor	hrs	0.1	200.87	100		20.087		3	10
			0.1				20.09			
	[G] SR (1)									
	Ramming or rolling earth work with light H.R.R. inembankm.	. cum	10	0.0%	100		0		6	10
			10				0			Ser.
9 (	[I] Misc (1)									
	Overhead Charges	x		7.5%	100	×	15.7776		4	20
			0				15.78		-	
	Page 1 of 1								Displayir	ng 1 - 7 of 7
			Grand T	otal ( For 1.00 ead Unit Amou	:h):: 2368.27 unt:: 2368.27					
Ad	d Labor Add Labor Miscellaneous Add Material	Add Material I	Miscellaneous	Add Machinary	Add Machinary Miscel	laneous Add SR I	tem Add Overhead Charges			
	apter:*									
	© Amount									
Pe	rcentage/Amount:*									
	marks:									
								Submi	t	Cancel

The contractor profit in labour miscellaneous is calculated with respect to the selected labour items i.e. 7.5% of 1990=149.25

#### 6.3.3 Add Material

Back											
Rate	Analysis : Zone -Northern Zone										
Ite	n Code Item Description						Item	Unit	Update Misc (	harge	5
1.1	(i) Girth from 300 mr	n to 600 mm AR	2006 P N	o 195			each		Update Misc	Charge	s
items	List										8
	Item	Unit	Quantity	Item Rate	e (Rs per unit)/Percen	Percentage Con	sidered(%)	Amount (Rs)	remarks	sort	
0	A] Labour (3)										
0	Mate	days	0.024	348		100		8.352		1	10
0	Male mulia	days	0.6	308		100		184.8	Mulia unskilled f	2	10
7	Stone dresser/ Cutter (Second class)	days	5	398		100		1990		7	10
		1.022	5.624	<u></u>				2183.15		1	1 m
	B] Misc. Labour (1)										
	Contractor Profit	x	1	7.5%		100		149.25		8	10
		236	0			199		149.25		176	~~
	E] Machinery (1)										
2	Tractor	hrs	0.1	200.87		100		20.087		3	10
			0.1					20.09			
	G] SR (1)										
٥	Ramming or rolling earth work with light H.R.R. inembankm	cum	10	0.0%		100		0		6	10
			10					0			
	I] Misc (1)										
	Overhead Charges	x		7.5%		100		15.7776		4	10
			0					15.78			And a
	Page 1 of 1 Click to Add Mater	rial								Displayir	ig 1 - 7 of :
	بل ل		Grand	Total ( For 1.00 eac	:h):: 2368.27 unt:: 2368.27						
Add	Labor Add Labor Miscellaneous Add Material A	dd Material Misce	llaneous	Add Machinary	Add Machinary N	liscellaneous	Add SR Iter	n Add Overhead Charges			
Cha	pter: *				Quantity:*						_
	/ Material			*	10						
Cate	:go <b>ry:</b> *				Percent To Be C	onsidered:*					
Mat	erial as per local market price			*	100						
Iter				1.00	Rate:*						_
[4]	- Jhute rope 12mm dia including 5 wastage			*	500					lick	o Save
					Remarks:					HCK 1	
											₩.
											Submit

- Select material chapter and its underlying category.
- Select Material item from the list which gets populated from Schedule of Rate.
- Enter Quantity.
- Percentage rate by default is 100 and can be changed.
- Material Rate gets populated as per schedule of rate.
- Click on Submit button to save the record.

#### 6.3.4 Add Material Miscellaneous

Item Code	Item Description					It	em Unit	Update Misc (	Charge	s
1.1	(i) Girth from 300 mr	n to <mark>600 mm</mark>	AR 2006 P 1	No 195		ea	ach	Update Misc	Charge	es
ems List										
Item		Unit	Quantity	Item R	ate (Rs per unit)/Percen	Percentage Considered(%)	Amount (Rs)	remarks	sort	
[A] Labour (3)										
] Mate		days	0.024	348		100	8.352		1	16
Male mulia		days	0.6	308		100	184.8	Mulia <mark>uns</mark> killed f	2	16
Stone dresser/ Cutter	(Second class)	days	5	398		100	1990		7	16
			5.624				2183.15			
B] Misc. Labour (1)										
Contractor Profit		x		7.5%		100	149.25		8	16
			0				149.25		1	
C] Material (1)										
and the second se	including 5 wastage-Jhute rope 12m	mtr	10	500		100	5000		9	16
			10				5000		_	-
E] Machinery (1)										
Tractor		hrs	0.1	200.87	,	100	20.087		3	16
			0.1				20.09			Area .
[G] SR (1)										
and the second se	irth work with light H.R.R. inembankm	cum	10	0.0%		100	0		6	16
	-		10				0			£
[I] Misc (1)										
Overhead Charges		X		7.5%		100	15.7776		4	16
			0				15.78		<u> </u>	2.4
Page 1 of 1	Click o	on Materi		llaneous			15.70		Displayir	na 1 - 8 c
				Total ( For 1.00 e	ach):: 7368.27 ount:: 7368.27					
Add Labor Add Labor	Miscellaneous Add Material A	dd Material Mi	V iscellaneous	Add Machinary	1	liscellaneous Add SR	Item Add Overhead	Charnes		
					,				_	
Chapter: *	Contractor Profit									
Percentage / Amount ?	:      Percentage									
	C Amount									
Percentage/Amount:*	7.5									
Remarks:										

- Select Material item from the material list against which the Material miscellaneous will be calculated.
- Select chapter from the list.
- Click on Percentage or Amount radio button.
- Enter Percentage or Amount in the Field according to the selected radio button.
- Click on Submit to save.
- By clicking Cancel button the data remains unchanged.

### 6.3.5 Add Machinery

Back											
Rate	Analysis : Zone -Northern Zone										
Ite	m Code Item Description						Item U	nit	Update Misc (	Charge	s
1.1	(i) Girth from 300 m	m to 600 mm /	AR 2006 P I	No 195			each		Update Misc	Charge	es
tems	i List										10
	Item	Unit	Quantity	Item Rate	(Rs per unit)/Percen	Percentage Consider	red(%) Ar	mount (Rs)	remarks	sort	
	[A] Labour (3)										
٥	Mate	days	0.024	348		100	8	.352		1	16
1	Male mulia	days	0.6	308		100	1	84.8	Mulia unskilled f	2	10
1	Stone dresser/ Cutter (Second class)	days	5	398		100	1	990		7	10
			5.624	(			2	183.15			
10	[B] Misc. Labour (1)										
	Contractor Profit	x		7.5%		100	1	49.25		8	16
			0				1	49.25			1
	[C] Material (1)										
0	Jhute rope 12mm dia including 5 wastage-Jhute rope 12m	mtr	10	500		100	5	000	1	9	16
ined.	since type 121111 dia menoding 5 mistage since type 1211.		10	500		100		000		-	24
0			10				5	000			
	[D] Misc. Material (1)	x	_								1.0
	Contractor Profit	X		7.5%		100		75		10	26
	[E] Machinery (1)		0				3	75			
8	Tractor	hrs	0.1	200.87		100	2	0.087		3	16
			0.1				2	0.09		-	tore W
	[G] SR (1)										
	Ramming or rolling earth work with light H.R.R. inembankm	cum	10	0.0%		100	0	li -		6	16
			10				0				- <b>4</b>
	[I] Misc (1)										
	Overhead Charges	x		7.5%		100	1	5.7776		4	16
	overhead charges	^	0	7.570		100	8	5.78			26
	Page 1 of 1		0				1	3.70		Displavir	ng 1 - 9 of
			Grand	l Total ( For 1.00 each							
Add	Labor Add Labor Miscellaneous Add Material	Add Material Mis	scellaneous	Add Machinary	Add Machinary N	liscellaneous	dd SR Item	Add Overhead Charges	1		
i analari K	pter:*			<b>A</b>	Quantity: *						
1.1.1.1.1.	e Charges Of Plants and Machinery			- 42 -	1						-
	egory:*			U	Percent To Be C	onsidered:*					
	e Charges Of Plants and Machinery	Clic	k On Ad	d Machinary	100						
Iter					Rate: *						
[1.1	l] - Dozer D-50 -A 15 (Spreading)			*	1592.17						
					Remarks:						

- Select machinery chapter and its underlying category.
- Select item from the list.
- Enter Quantity and Percentage.
- Click on submit button to save the record.
- Machinery Rate gets populated as per schedule of rate.

### 6.3.6 Add Machinery Miscellaneous

22 0	Analysis : Zone -Northern Zone								
Item	Code Item Description				Ite	m Unit	Update Misc (	harge	s
1.1	(i) Girth from 300 m	m to 600 mn	n AR 2006 P No	9 195	ea	h	Update Misc	Charge	es
ltems Li	ist								
It	tem	Unit	Quantity	Item Rate (Rs per unit)/Percen	Percentage Considered(%)	Amount (Rs)	remarks	sort	
	] Labour (3)								
	Mate	days	0.024	348	100	8.352		1	16
	Male mulia	days	0.6	308	100	184.8	Mulia unskilled f	2	16
3	Stone dresser/ Cutter (Second class)	days	5	398	100	1990		7	10
			5.624		1	2183.15			
D [B]	Misc. Labour (1)								
	Contractor Profit	x		7.5%	100	149.25		8	10
22			0			149.25		1.0	Ann.
	] Material (1)								
	) Materiai (1) Jhute rope 12mm dia including 5 wastage-Jhute rope 12m	mtr	10	500	100	5000	l	9	10
-	wate rope infinition inclosing a warage shore rope infini-		10		100	5000		1	20
	] Misc. Material (1)		10			5000			
1017	) Misc. Materiai (1) Contractor Profit	x		7.5%	100	375		10	10
			0	122000		375			- 4
	] Machinery (2)								
-	Tractor	hrs	0.1	200.87	100	20.087		3	10
V (	Dozer D-50 -A 15-Dozer D-50 -A 15 (Spreading)	hrs	1	1592.17	100	1592.17		11	16
			1.1	1	1	1612.26	4		
	] SR (1)								
1	Ramming or rolling earth work with light H.R.R. inembankm.	. cum	10	0.0%	100	0		6	16
			10	2594638		0		1000	- <b>N</b>
	Int. (4)		1212			1677.			
	(Misc (1)	X		7.5%	100	15,7776		4	10
1.1.1	Overhead Charnes	1		1.0.0	100	1.500.000		1	2.6
1.1.1	Overhead Charges		0			15 70			
			0			15.78	Di	solavino	1 - 10 of
	Page 1 of 1			otal ( For 1.00 each):: 9335.44		15.78	Di	splaying	1 - 10 of
1.1.1				otal ( For 1.00 each):: 9335.44 Unit Amount:: 9335.44		15.78	Di	splaying	1 - 10 of

- Select Machinery item from the list against which the Machinery miscellaneous will be calculated.
- Select chapter from the list.
- Click on Percentage or Amount radio button.
- Enter Percentage or Amount in the Field according to selected radio button.
- Click on Submit to save.
- Click on Cancel button to not save unwanted changes.

## 6.3.7 Add Overhead Charges

Item Code	Item Description					Item	Unit	Update Misc (	Charge	5
1.1	(i) Girth from 300 m	m to 600 mm	n AR 2006 P No	195		each		Update Misc	- <i>p</i> - 1	
tems List										1
] Item		Unit	Quantity	Item Rate (	Rs per unit)/Percen Percentage Con	sidered(%)	Amount (Rs)	remarks	sort	
[A] Labour (3)										
Mate		days	0.024	348	100		8.352		1	10
Male mulia		days	0.6	308	100		184.8	Mulia unskilled f	2	10
Stone dresser/ Cutte	r (Second class)	days	5	398	100		1990		7	16
			5.624				2183.15			
B Misc. Labour (1)										
Contractor Profit		x		7.5%	100		149.25		8	10
			0				149.25			
C] Material (1)										
and the second se	a including 5 wastage-Jhute rope 12m	mtr	10	500	100		5000		9	16
			10				5000			Acres 1
D [D] Misc. Material (1	,									
Contractor Profit	1	x		7.5%	100		375		10	16
			0				375			
[E] Machinery (2)							5/5			
Tractor		hrs	0.1	200.87	100		20.087		3	16
Dozer D-50 -A 15-Do	zer D-50 -A 15 (Spreading)	hrs	1	1592.17	100		1592.17		11	16
			1.1				1612.26			
[F] Misc. Machinery	(1)									
Misc		x		2.0%	100		31.8434		12	16
and the second s			0		Constant of the second s		31.84		10000	
[G] SR (1)										
the second se	arth work with light H.R.R. inembankm	cum	10	0.0%	100		0		6	10
			10		1999		0		100	A
[I] Misc (1)			10							
Overhead Charges		X		7.5%	100		15.7776		4	16
Overnead Charges		^	0	7.270	100		15.78		-	24
			0				13.76	Di	enlaving	1 - 11 of
Page 1 of 1			Grand To	otal ( For 1.00 each	):: 9367.28			Di	y=19	
Page 1 of 1										
Page 1 of 1			Grand Te	Unit Amoun	t:: 9367.28	Ver	-N			

- Select chapter from the list.
- Click on Percentage or Amount radio button.
- Enter Percentage or Amount in the Field according to selected radio button.
- Click on Submit to save.
- Click on Cancel button to not save unwanted changes.
- The Overhead Charges will be calculated on all Labour, Material and Machinery items present in the list.

	m Code Item D	escription				Ite	m Unit	Update Misc (	harges
1.1	(i) Girt	h from 300 mm to 600 m	m AR 2006 P No	195		eac	h Click	Update Misc	Charges
tem	s List								
1	Item	Unit	Quantity	Item Rate (Rs	per unit)/Perce	n Percentage Considered(%)	Amount (Rs)	remarks	sort
	[A] Labour (3)							CIICK	o Edit Ite
	late	days	0.024	348	100	8.352		1	- V
	Male mulia	days	0.6	Update	Cancel	100	184.8	Mulia unskilled f	2
	Stone dresser/ Cutter (Second class)	days	5	398		100	1990		7 26
-			5.624	4			2183.15		
2011	[B] Misc. Labour (1)			Click	to Appl	y Changes		Click To	Delete

- Select Item from the item list.
- Click on Update button to change selected item's rate.
- Click on Cancel button to not save unwanted changes.
- Any item can be removed with the help delete ( $\otimes$ ) Icon.
- Click on the 'Update Misc. Charges' button to update when any changes occurred in Miscellaneous Charges.
- Click on Back button to go to 'Estimate Rate Analysis' page.

# 7. Reports

By selecting Estimates -> Reports, displays the reports like Detailed Report, Abstract Report...etc.

Estimates
Masters
💼 Estimate
🖹 Reports 🛛 🧲
» Detailed Estimate
» Abstract Sheet
» Estimate Details
» Rate Analysis
» Used Estimates
» Lead Statement
» General Abstract

### 7.1. Detailed Estimate

By selecting Estimates -> Reports ->Detailed Estimate, displays the "Detailed Estimate Report Screen". This report screen is used to generate the detailed item wise calculation of the estimate.

Estimate Number *	213/876/1			v Q							
	Show Expo	prt									
Work Name : Office Name	NA	) View Report ogin (Current Divisio	a de se	ailed Estimate Division)		stimate No	.: 213/87	6/1			
Item	Heading	Item Sub Heading	Typical	Unit	No. Of Items	Length	Breadth	Height/Depth	Quantity	Item Rate	Amount
	1	2	3	4	5	6	7	8	9	10	.11
insic	de wall	item1		Each	2.00	2.0000	2.0000	2.0000	16.0000		
Item 2	1.44gms./1.52gms	nary soil in embankn /1.65gms. per cubi	ccentimeter in	road embanki	nent respecti	ively up to	3m./more	than 3m.	16.0000	9849.80	157,59
	5m. away from toe line having aslope	<ul> <li>below subgradelew</li> <li>of the final section</li> <li>1:4 projected form</li> </ul>	of the road en the edge of the	bankment, bo finalsection (	ttom ofthe p of the bank in	it not bein Icluding ro	g cut by an ugh dressin	imaginary g			
	andbreaking clods	maximum 5cm. to 7						10			
	required level incluoid embankment,	uding removal of roo sectioning andcambo	ering the earth	work and con	veyance of al						
	required level incl old embankment, s required for the w charge and to bem Cu.M)including co	sectioning andcambo ork andcomplete in neasured on section i ost of controlled com	ering the earth all respect as p measurement a paction with P	work and con per specification aftercompaction R.R., watering	veyance of all on of workand on under 0.M.	d direction .C. conditi	of the Eng on (per 100	ineer-in-			
insi	required level incl old embankment, s required for the w charge and to bem Cu.M)including co	sectioning andcamb ork andcomplete in neasured on section	ering the earth all respect as p measurement a paction with P	work and con per specification aftercompaction R.R., watering	veyance of all on of workand on under 0.M.	d direction .C. conditi	of the Eng on (per 100	ineer-in-	144.0000		
insic	required level incli- old embankment, s required for the w charge and to bem Cu.M.)including co approvedspecifical	sectioning andcamb ork andcomplete in neasured on section ost of controlled com tion including hire a	ering the earth all respect as p measurement a paction with P	work and con per specification aftercompaction R.R., watering rges of P.R.R.	veyance of al on of workanc on under O.M. up to O.M.C	d direction .C. conditi . and confi	of the Eng on (per 100 rming to	ineer-in- )	144.0000	0.00	0.0
	required level incli old embankment, s required for the w charge and to bem Cu.M)including co approvedspecificat de valt Earth work in ordir rough dressing and and as per specific	sectioning andcamb ork andcomplete in neasured on section ost of controlled com tion including hire a	ering the earth all respect as p measurement a spaction with P and running cha ment, roads,etc aximum 5cm. t se department	work and con ber specificati aftercompacti R.R.,watering rges of P.R.R. Cubic Meters Cubic Meters Cubic Meters Cubic Meters Cubic Meters Cubic Meters	veyance of al on of workanc n under 0.M. up to 0.M.C 3.00 initial lead a ving in layers ercompaction	d direction ,C. conditi , and confi 4.0000 and 1.5m. in notexceed n with H.R	of the Eng on (per 100 rming to 4.0000 nitial lifting ding 0, 3m,	ineer-in- 3.0000 Total : cluding in depth	and the second	0.00	0.0
Item 3	required level incli old embankment, s required for the w charge and to bem Cu.M)including co approvedspecificat de valt Earth work in ordir rough dressing and and as per specific	sectioning andcamb rork andcomplete in neasured on section of ost of controlled com tion including hire a item nary soil in embankn f breaking clods tom cationapproved by th	ering the earth all respect as p measurement a spaction with P and running cha ment, roads,etc aximum 5cm. t se department	work and con ber specificati aftercompacti R.R.,watering rges of P.R.R. Cubic Meters Cubic Meters Cubic Meters Cubic Meters Cubic Meters Cubic Meters	veyance of al on of workanc n under 0.M. up to 0.M.C 3.00 initial lead a ving in layers ercompaction	d direction ,C. conditi , and confi 4.0000 and 1.5m. in notexceed n with H.R	of the Eng on (per 100 rming to 4.0000 nitial lifting ding 0, 3m,	ineer-in- 3.0000 Total : cluding in depth	and the second	0.00	0.0

- Click on Show button to view report.
- Click on Export button to download in pdf format.

### 7.2. Estimate Details

By selecting Estimates -> Reports ->Estimate Details, displays the "Estimate Details Report Screen". This report screen is used to generate the master data information of the estimate.

	umber * 213/876/1 Show Expor		Search E	stimate No		
lick to viev	v Report	Estimate Detr	<u>ails Report</u>			
Office N	ame : <u>Master Login (C</u> t	urrent Division Office =Test Division)				
Sr. No.	Estimate Number	Design and Scope	Estimate For	Estimate Date	SR Year	Amoun
1	2	<u>3</u>	4	<u>5</u>	<u>6</u>	1
1	213/876/1	DESIGN OF A ROAD AND THE SCOPE	<u>Roads</u>	05-May-2021	2017	156,066
	Section Officer	Sub Division (	05		Executive Ens	

- Click on Show button to view report.
- Click on Export button to download in pdf format.

### 7.3. Rate Analysis

By selecting Estimates -> Reports ->Rate Analysis, displays the "Rate Analysis Report Screen".This report screen is used to generate the detailed Rate Analysis for all Labour, Material and Machinery related Schedule of Rate items.

Rate Analysis								
Estimate Number *	213/876/1			v Q	Search	n Estimat	te No	
	Show Export	<b>C</b>	ick to Downloa	d				
1			ANALY	SIS OF RATES				
Click to view	Work Name :	NA						ă.
	Office Name :	NA			Estimate No. : NA			
	Sr.No. Item Co	ide Ite	em Description	Unit	Rate Rs.	<u>Quantity</u>	% Considered	Amount (Rs.)
	Chapter : Earthy			AD				
	Category : Earth SR Code : 1.3	work						
		work in ordinary soil	in embankment, roads,etc.	within 50m. ini	tial lead and 1.5m.		Unit : cur	<u>n</u>
	(a)Labour							
	1	58 Male mulia		<u>days</u>	308.00	<u>16.0000</u>	100.00	4928.00
	2	59 Female muli	2	<u>days</u>	308.00	16.0000	100.00	4928.00
				AD.			Total:	9856.00
					Gran	nd Total (for 1		<u>9856.00</u>
							Init Total (a) :	98.56
	-						<u>I Charges (b):</u>	0.00
							/ <u>Charges (c):</u> l d = (a+b+c):	<u>0.00</u> 98.56
	-				hA	Id Cess e = @1		0.99
					AU	iu vess e = (a)	1/2 UII ( <u>a+D+C)</u>	0.99

- Click on Show button to view report.
- Click on Export button to download in pdf format.

#### 7.4. Used Estimates

By selecting Estimates -> Reports ->Used Estimates, displays the "Used Estimates Report Screen". This report screen is used to generate the master data information of the estimate.

timates	Report							
Est	imate Number * 2	13/909/1			k to Search			
	S	how Export Clic	ck to Download	d				
Cli	ick to display		Use	ed Estimates Report				
Office Na	ame : Master Log	in (Current Division Office =Test Divisio	n)		2			
Sr. No.	Estimate Number	Design and Scope	Work Number	Work Description	Estimate For	Estimate Date	SR Year	Amount
1	2	3	4	5	6	7	8	9
1	213/909/1	test for estimate analysis	213/909	construction of works building	Buildings	17-March-2021	2017	2,324.65

- Click on Show button to view report.
- Click on Export button to download in pdf format.

#### 7.5. Lead Statement

By selecting Estimates -> Reports ->Lead Statement, displays the "Lead Statement Report Screen". This report screen is used to generate the detailed list of the materials utilized in the work along with its lead cost, distance and rate.

Lead Statement										
Estimate Number *	213/89	1/1		~	Q	C	ick to	Search E	stimate	No
	Show	Export	Click to	Downloa	ad					
Click to View Repo	) ort			Lead	l Statement					
	Wo	ork Name :	213/891-Road Work Te	st- Na						
	Off	ice Name :	Test Division			Estim	ate No.	213/891/	/1	
	2					1000-000				100 000
	Sr No		Name of the Materials		Quarry Name	Unit	Lead	Lead Cost	Basic Rate	Total
	1	Steel a) Mild Steel			Rourkela	qtl	200.00	1580.57	54483.87	56,064.44
		Junior Eng	ineer		nt Executive ngineer			Executiv	ve Engineer	
		Test SubD	ivision	Т	est Division			Test	Division	

- Click on Show button to view report.
- Click on Export button to download in pdf format.

#### 7.6. General Abstract

By selecting Estimates -> Reports ->General Abstract, displays the "General Abstract Report Screen".This report screen is used to generate the Abstract category list along with the calculation of Contingency, Quality Control and GST charges.

Estimate Number *	213/876/1		× Q <=	Click to Search		
	Show Expo	nt 🤇				
lick to View Rep	<b>û</b>		· · · · · ·			
			General Abstract			
	Work	Name :	NA			
	Office	Name :	NA	Estimate No. : NA		
	8					
	Sr No.		Part Name	Amount (Rs)		
	1 F	H.P.C Culve	ert - 300mm Single Row	157,596,80		
	2 H	H.P.C Culve	ert - 900mm four Row	0.00		
	3 2	ilab Culver	t - 2.0 m x 2.5m R.C.C SLAB 1Span	29.86		
			Total Cost	157,626.66		
			Add for Contigency @ 0.0%	0.00		
			Add for Quality Control @ 0.0%	0.00		
			Grand Total	157,626.66		
			Add for GST @ 0.0%	0.00		
			Say	157,626.66		

Junior Engineer

Assistant Executive Engineer

Executive Engineer

- Click on Show button to view report.
- Click on Export button to download in pdf format.

# **Estimate Process Flow**

### 1. Section Officer (Junior Engineer) Measurement Screen

After logging in Section Officer clicks on Estimate Module ESTIMATES => Estimate => Measurements

👩 Nator Login (Carrent Division Office -Test Divi														48 Haster Log	in 💄 Welco	
Estimates	[Best view	ed in Inter	rnet Explorer 8+.	Mazilla Firefax 36+, Google Chrome 37+]												
Masters	A You an	here / E	Stimates / Estin	nate												
Estimate			Es	limata Number 213/876/1 💙												
stimate Master	IMP	ORTANT, PL	EASE NOTE:													
leasurement				rad Charges button before finalizing the estimate to update the lead charges.												
ised Estimates				and Estimate Distance for Calculation of Lead Charges. Io changes can be done.												
ocapitulation Entry	4.7	he Total A	mount shown be	low does not include recapitulation charges .												
pload Documents				rate proposed. To calculate SCADA Charges checked the checkbox and set percentariate estimate.	t at last of	lint,										
pload Items				anster estimate.												
stimate Rate Analysis	Measures	nent Deta	ills											Rai	te Affecting F	actor
ieports	Sr. No.	Order No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item		View Measurements	Edit Measurements	Add Material Coefficient	De
	1	1.00	Site Cleareance	1-Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.		12	1.00	0.0	0.00	0.00	3	+	=	1	+	
	2	1.01	Site Cleareance	1,1-(i) Girth from 300 mm to 600 mm AR 2006 P No 195	Each	a	1.01	16.0	9,849,80	157,596.80	1	*	=	1		
	3	4.00	R.C.C. Works	3-R,C,C, work of M-15 grade with 20mm & down grade size black hard granite (crusher broken) chips including heisting and laying. AR 2006 P No 49	Cubic Meters		4.00	0.0	5,968.47	0.00	1	+	=	1	*	
	4	5.00	R.C.C. Works	4-R.C.C. work of M-20 grade with 20mm & down grade size black hard granite (crusher broken) chips including hoisting and laying, AR 2006 P No 50	Cubic Meters		5.00	0.0	41,554,52	0.00	1		=	1	*	
	5	6.00	Earthwork	1-Earth work in ordinary soil		62	6.00	0.0	0.00	0.00	3	+	=	1	*	
	6	6.01	Earthwork	<ol> <li>1.4-Earth work in ordinary soil in embarkment androads, etc. maximum laboratory dry density notless than 1.44gms./1.52gms./1.65gms. pi</li> </ol>	Cubic Meters		6.01	144.0	0.00	0.00	1	*	=	1	*	
	7	6.02	Earthwork	$1.3\mbox{-}Earth work in ordinary soli in embankment, roads, etc. within 50m, initial lead and 1.5m,$	Cubic Meters		6.02	0.3	99.55	29.86	1	+	=	1		
	8	7,00	Non-SR	10-LABOUR FOR WHIFTING HOUSE HOLD MATERIAL (Non SR)	Numbers		7.00	0.0	0.00	0.00	1	*	=	1	+	
	9	0		Quality Charges		œ	0			0.00	3	+	=	1	+	
	10	0		Royalty Charges		C2	0			6,160.00	1	+	=	1	+	
	11	D		Serviceable Cost		2	0			0.00	3	+	=	1	+	
			156066.0	5			Delete All Items									
										Total Amount :		156066.05				
									GST	Charges (123) :		18727.93				
												174793.98				
				Add Lead Delarce 🗛												

- Since the Estimate is prepared by Section Officer so, initially Section Officer finalizes the Estimate data.
- Now Section Officer will finalize the Estimate by clicking "Finalize measurements".

dd SR	Items	Add Parent	Items Add Non SR Item	Calculate Lead Charges	Quality Charge	Add Servicea	ble Item Tra	ansfer Estim	ate Finaliz	e Measure	ements				
				Add Lead Distance 🐴					_						
											11036.36				
								GST Char	ges (12%) :		1182.47				
								Tota	l Amount :		9853.89				
		9853.89				Delete All Items	â								
11	0		Serviceable Cost		C	0			0.00	ı	+	Ξ	1	+	Ī
10	0		Royalty Charges		2	0			6,160.00	ı	+	=	1	+	Ó
9	0		Quality Charges		2	0			0.00	ı	+	=	1	+	Í
U	1.00		MATERIAL (Non SR)			7.00	0.0	202.00	0.00			-	7		

- Finalisation Button is at the bottom of measurement table.
- After section officer finalize the estimate, it gets forwarded to sub division officer.

	F ODISHA	
🗐 🕐 Master Login (Current Division (	4 Naster Logi	L Welcome demo -
Estimates	[Best viewed in Internet Explorer 8+, Nozilla Firefox 36+, Google Chrome 37+]	
T Masters	You are here / Estimate / Estimate	
🕆 Estimate	Estimate has been finalized and sent to Assistant Engineer for Approval.	
» Estimate Master	Estimate Number 213/376/1 V	
» Measurement	IMPORTANT.PLEASE NOTE:	
» Used Estimates	<ol> <li>Please Click on Calculate Lead Charges button before finalizing the estimate to update the lead charges.</li> </ol>	
» Recapitulation Entry	2. Please Add Lead Coefficient and Estimate Distance for Calculation of Lead Charges.	
» Upload Documents	3. Once estimate is finalized, No changes can be done.	
» Upload Items	<ol> <li>The Total Amount shown below does not include recapitulation charges.</li> <li>Scada Charges deduct from rate proposed. To calculate SCADA Charges checked the checkbox and set percent at last of list.</li> </ol>	
* Estimate Rate Analysis	<ol> <li>Social post contraining to second a contraction book and post of contract and contr</li></ol>	

A message will get displayed as shown above in the Fig. as "Estimate has been finalized and sent to Sub-Division Officer".

2. Sub-division officer(Assistant Executive Engineer) Measurement Screen:

After logging in Sub-Division Officer clicks on Estimate Module ESTIMATES => Estimate=> Measurements.

imate Details ports	1. Pl 2. Pl 3. Or 4. TP 5. Sc	ease Click ease Add L noe estima ne Total An cada Charg	ead Coefficient te is finalized,N iount shown beli	ed Charges button before finalising the estimate to update the lead charges, and Estimate for Calculation of Lead Charges, configers can before, or does not include receptulation charges. At proposed, To calculate SOAD Charges checked the checkloss and set percent and re-estimate.	at last of li	st.										
	Measurem	nent Detai	8											Ra	te Affecting F	actor: 0
	Sr. No.	Order No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Delete
	1	1.00	Site Cleareance	1-Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.	-	Ø	1.00	0.0	0.00	0.00	1	•	=	'	•	1
	2	1.01	Site Cleareance	1.1-(i) Girth from 300 mm to 600 mm AR 2006 P No 195	Each	2	1.01	16.0	9,849.80	157,596.80	1	+	=	'	+	â
	3	4.00	R.C.C. Works	3-R.C.C. work of M-15 grade with 20mm & down grade size black hard granite (crusher broken) chips including hoisting and laying, AR 2006 P No 49	Cubic Meters		4.00	0.0	5,968.47	0.00	1	+	=	'	*	Û
	4	5.00	R.C.C. Works	4-R.C.C. work of M-20 grade with 20mm & down grade size black hard granite (crusher broken) chips including hoisting and laying. AR 2006 P No 50	Cubic Meters		5.00 V \$.00	0.0	41,554.52	0.00	1	+	=	1	*	1
	5	6.00	Earthwork	1-Earth work in ordinary soil		2	6.00 ¥ 6.00	0.0	0.00	0.00	1	+	=	1	+	î
	6	6.01	Earthwork	1.4-Earth work in ordinary soil in embankment androads, etc. maximum laboratory dry density notless than 1.44gms./1.52gms./1.65gms. pi	Cubic Meters		6.01	144.0	0.00	0.00	1	+	=	'	+	â
	7	6.02	Earthwork	1.3-Earth work in ordinary soil in embarkment, roads, etc. within 50m. initial lead and 1.5m.	Cubic Meters		6.02 V 6.02	0.3	99.55	29.86	1	+	=	1	*	8
	8	7.00	Non-SR	10-IABOUR FOR sHIFTING HOUSE HOLD MATERIAL (Non SR)	Numbers	2	7.00	0.0	0.00	0.00	1	+	=	1	•	â
	9	0		Quality Charges		Ø	0			0.00	1	+	Ξ	1	+	Û
	10	0		Royalty Charges		۲2	٥			6,160.00	1	+	Ξ	1	+	â
	11	0		Serviceable Cost		Ø	0	1	1	0.00	1	+	Ξ	1	•	û
			156066.0				Delete All Items :	1	N 92							
										Total Amount :		156066.05				
									GST	Charges (12%) :		18727.93				
												174793.98				
	2			Add Load Distance												

- Sub-Division Officer Login screen is same as Section Officer Screen. Here Sub-Division Officer can now Add, Edit, Delete and customizes any data in the measurement screen.
- After Sub-Division Officer verifies the data in measurements field He / She can now finalize the current data available at his/her Login which will further gets forward to Estimator.

• Sub-Division Officer also have an option of sending back the estimate to previous level i.e Section Officer.

156066.05	Delete All Items : U			
		Total Amount :	156066.05	
		GST Charges (12%) :	18727.93	
			174793.98	
	Add Lead Distance			
Add SR Items Add Parent	tems Add Non SR Item Calculate Lead Charges Quality Charges Add	d Serviceable Item Trans	sfer Estimate Finalize Measure	ements Sendback Measurements



Transferred message will be displayed once it gets finalized from Sub-Division Officer as "Estimate has been finalised and sent to Estimator"

OR

If Sub-Division Officer sends back to the previous level the message displays as "Estimate has been sent back to Section office"

#### 3. Estimator Measurement Screen:

After logging in Estimator clicks on Estimate Module ESTIMATES => Estimate=> Measurements

surement			Esti	mate Number 213/876/1 ¥												
mate Details	III DI	TANT DI F	ASE NOTE:													
ports	1.P 2.P 3.0 4.T 5.5	ease Click mase Add L nce estima ne Total Am cada Charg	on Calculate Lea ead Coefficient a te is finalized,No sount shown belo	d Charges botton before finalizing the estimate to update the lead charges. of Estimate Discourse for Calculation of Lead Charges. charges can be done. video net include recapitulation charges. the proposed. To calculate SCADA Charges checked the checkbox and set percent after estimate.	at last of li	a.										
	Measuren	nent Detail												Ra	te Affecting I	Factor
	Sr. No.	Order No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Del
	1	1.00	Site Cleareance	1-Cutting of trees, including cutting of trunks, branches and removal of stumps roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.	-	Ø	1.00	0.0	0.00	0.00	1	•	=	1	•	1
	2	1.01	Site Cleareance	1.1-(i) Girth from 300 mm to 600 mm AR 2006 P No 195	Each	æ	1.01	16.0	9,849.80	157,596.80	1	+	=	1	+	1
	3	4.00	R.C.C. Works	3-R.C.C. work of M-15 grade with 20mm ß down grade size black hard granite (crusher broken) chips including hoisting and laying. AR 2006 P No 49	Cubic Neters	Q	4.00	0.0	5,968.47	0.00	1	•	=		*	1
	4	5.00	R.C.C. Works	4-R.C.C. work of M-20 grade with 20mm ß down grade size black hard granite (crusher broken) chips including hoisting and laying. AR 2006 P No 50	Cubic Meters	œ	5.00 V 5.00	0.0	41,554.52	0.00	1	•	=	1	*	
	5	6.00	Earthwork	1-Earth work in ordinary sel	-	2	6.00	0.0	0.00	0.00	1	+	=	'	+	3
	6	6.01	Earthwork	1.4-Earth work in ordinary soil in embankment androads, etc. maximum laboratory dry density notiess than 1.44gms./1.52gms./1.65gms. pi	Cubic Meters	8	6.01	144.0	0.00	0.00	1	•	-	'	+	3
	7	6.02	Earthwork	1.3-Earth work in ordinary soil in embankment, roads,etc. within 50m. initial lead and 1.5m.	Cubic Meters	æ	6.02	0.3	99.55	29.86	1	+		'	•	
	8	7.00	Non-SR	10-IABOUR FOR sHIFTING HOUSE HOLD MATERIAL (Non SR)	Numbers	Ø	7.00	0.0	0.00	0.00	1		=		+	11
	9	0		Quality Charges		2	0			0.00	1	+	=	1	+	Î
	10	0		Royalty Charges		2	0			6,160.00	3	+	=	1	+	Î
	11	0		Serviceable Cost		œ	0	1	5	0.00	1	+	=		+	ũ
			156066.05		10		Delete All terms		-							
										Total Amount :		156066.05				
									GST	Charges (12%) :		18727.93				
												174793.98				
	11			Add Land Distance												

- The Estimator Login screen displays the same as Sub-Division Officer Screen. Here Estimator can now Add, Edit, Delete and customizes any data in the measurement screen.
- After Estimator verifies the data in measurements field he / she can now finalize the current data available at his/her Login which will further gets forward to Division Officer (Executive Engineer).

Or else if it's needed to send back the estimate to the Sub Division he/she can simply click on Sendback Measurements.

	Add I	Lead Distance 🗛			_		
					17479	3.98	
				GST Charges (12%	): 1872	7.93	
				Total Amount	t : 15606	6.05	
156066.05		Delete	All items :	ш			

#### Finalize Button and send back button for Estimator as shown in the Fig. above.

nt Division Office =Test Divisi	an)
mates	[Best viewed in Internet Explorer 8-, Mozilla Firefox 36-, Google Chrome 37-] ↑ You are here / Estimates / Estimate
	Estimate has been finalized and sent to Executive Engineer for Approval.
	Estimate Number 213/913/1 🗸

The above Fig. shown is the message popped after Estimator finalizes the measurements as "Estimate has been Finalised and sent to Executive Engineer"

#### 4. Division Officer(Executive Engineer Measurement) Screen:

After Logging in Executive Engineer clicks on Estimate Module as follows ESTIMATES => Estimate=> Measurements.

Estimates	Best viewe	in Intern	net Explorer 8+,	Mozilla Firefox 36+, Google Chrome 37+]												
	🕈 You are I	nere / Es	stimates / Estim	ate												
Estimate			Évi	imate Number 213/875/1 💙												
Measurement Educate Details	1 2000															
Reports	1. Pla 2. Pla 3. On 4. Th 5. Sci	ase Click ase Add I ce estima e Total Ar ida Charg	Lead Coefficient ate is finalized,N nount shown bel	ad Charges button before finalizing the estimate to update the lead charges, and Estimate Distance for Calculation of Lead Charges. I charges can be done, or does not include recapitulation charges. The proposed. To calculate SCADA Charges checked the cheshbox and set perce- under estimate.	nt at last of	list.										
	Measurem	ent Detai	6		_						-			R	te Affecting I	Factor
	Sr. No.	Order No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	De
	1	1.00	Site Cleareance	1-Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.	-	22	1.00	0.0	0.00	0.00	1	+	=	1	+	
	2	1.01	Site Cleareance	1.1-(i) Girth from 300 mm to 600 mm AR 2006 P. No 195	Each	æ	1.01	16.0	9,849.80	157,596.80	3	+	=		+	
	3	4.00	R.C.C. Works	3-R.C.C. work of M-15 grade with 20mm & down grade size black hard granite (crusher broken) chips including hoisting and laying. AR 2006 P No 49	Cubic Meters		4.00	0.0	5,968.47	0.00	3	•	=	1	•	
	4	5.00	R.C.C. Works	4-R.C.C. work of M-20 grade with 20mm & down grade size black hard granite (crusher broken) chips including hoisting and laying. AR 2006 P No 50	Cubic Meters	8	5.00	0.0	41,554.52	0.00	1	•	1.	1	+	
	5	6.00	Earthwork	1-Earth work in ordinary soil		Ø	6.00 6.00	0.0	0.00	0.00	1	+	=	1	+	
	6	6.01	Earthwork	1.4-Earth work in ordinary soil in embankment androads, etc. maximum laboratory dry density notless than 1.44gms./1.52gms./1.65gms. pi	Cubic Meters		6.01	144.0	0.00	0.00	1	*	=	1	+	
	7	6.02	Earthwork	1.3-Earth work in ordinary soil in embankment, roads,etc. within 50m. initial lead and 1.5m.	Cubic Meters		6.02	0.3	99.55	29.86	1	•	=	1	*	
	8	7.00	Non-SR	10-LABOUR FOR SHIFTING HOUSE HOLD MATERIAL (Non SR)	Numbers	8	7.00	0.0	0.00	0.00	1	+			+	
	9	0		Quality Charges		2	0			0.00	1	+	=	1	+	
	10	0		Royalty Charges		2	0			6,160.00	1	+	=	1	+	
	11	0		Serviceable Cost		12	0			0.00	1	+	=	1	+	
			156066.05				Delete All Items		_							
										Total Amount :		156066.05				
	1								GST (	Charges (12%) :		18727.93	1			
												174793.98	1			
				Add Level Distance A												

- The Executive Engineer Login screen displays Estimate after searching the respective work no. Here Executive Engineer can now Add, Edit, Delete and customize any data in the measurement Data.
- After Executive Engineer Customizes the data in measurements field He / She can now have three options available at his/her level.
  - 1. Whether He/ She wants to transfer the Estimate to Circle Office which is Superintendent Engineer by Clicking Transfer Estimate.

OR

2. If He / she wants to finalize the Estimate within him/her then simply by clicking the Finalize button available at the bottom of Estimate table the estimate gets finalized.

OR

- 3. If He/she wants to send back the estimate to previous authority then by clicking Send back Estimate it goes backward to the Estimator.
- Once Estimate gets finalized or gets transferred Executive Engineer cannot customize the measurement data.

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		444990	.94					Delete All Iter	ms : 🖬	
					Add Lo	ead Distance 🗛				
Add SR Items	Ad	d Parent Items	Add Non SR Item	Calculate Lead Charges	Quality Charges	Add Serviceable Item	Transfer Estimate	Finalize Measurements	Sendback Measure	ements
								4.5		

The above figure shows the Options available for Executive Engineer whether to transfer or finalize or Send back.

• If the Executive Engineer Transfers the estimate then it will get transferred to Superintendent Engineer.

Estimates	[Best viewed in Internet Explorer 8+, Mozilla Firefox 36+, Google Chrome 37+]
🖥 Estimate	A You are here / Estimates / Estimate
» Measurement	Estimate Is Transfered to Circle office Sucessfully.
» Estimate Details	Estimate Number 213/913/1 V
Reports	IMPORTANT,PLEASE NOTE: 1. Please Click on Calculate Lead Charges button before finalizing the estimate to update the lead charges. 2. Please Add Lead Coefficient and Estimate Distance for Calculation of Lead Charges. 3. Once estimate is finalized/no charges can be done.

The above Fig. shows a message pop up after EE finalizes the Estimate to Superintendent Engineer which is the circle office as

"Estimate is transferred to Circle office successfully"

#### 5. Circle Officer (Superintendent Engineer) Measurement Screen:

After Logging in Superintendent Engineer clicks on Estimate Module as follows ESTIMATES => Estimate=> Measurements.

	the second second															
Estimates			timates / Estim	Mozilla Firefox 36+, Google Chrome 37+]												
Estimate	n tou are	nere La														
feasurement			Est	imate Number 213/876/1 🗸												
Estimate Details			LASE NOTE:													
Reports	2. Pi 3. Oi 4. Th 5. Sc	rase Add I ce estima e Total Ar ada Charg	ead Coefficient te is finalized,N nount shown bel es deduct from	ad Ohrapes button before finalizing the estimate to update the lead charges. and Extained before for Calculation of Lead Charges. Is changes can be done, ow does not include recapitulation charges. rate proposed. To calculate ScADA Charges checked the checkbox and set percent andre estimate.	nt at last of	list.										
	Measurers	ent Detai	li								-			Ra	te Affecting F	Facto
	Sr. No.	Order No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	De
	1	1.00	Site Cleareance	1-Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.	-	2	1.00	0.0	0.00	0.00	1	+	=	1	+	
	2	1.01	Site Cleareance	1.1-(i) Girth from 300 mm to 600 mm AR 2006 P No 195	Each	æ	1.01	16.0	9,849.80	157,596.80	3		1.2	×.	+	
	3	4.00	R.C.C. Works	3-R.C.C. work of M-15 grade with 20mm & down grade size black hard granite (crusher broken) chips including hoisting and laying. AR 2006 P No 49	Cubic Meters	a	4.00	0.0	5,968.47	0.00	,	•		1	*	
	4	5.00	R.C.C. Works	4-R.C.C. work of M-20 grade with 20mm & down grade size black hard granite (crusher broken) chips including holsting and laying. AR 2006 P No 50	Cubic Meters	a	5.00	0.0	41,554.52	0.00	,			1	*	
	5	6.00	Earthwork	1-Earth work in ordinary soll		2	6.00	0.0	0.00	0.00	1	+	=	1	+	
	6	6.01	Earthwork	1.4-Earth work in ordinary soil in embarikment androads, etc. maximum laboratory dry density notless than 1.44gms./1.52gms./1.65gms. pi	Cubic Meters		6.01	144.0	0.00	0.00	1	+	=	1	+	
	7	6.02	Earthwork	1.3-Earth work in ordinary soil in embankment, roads,etc. within 50m, initial lead and 1.5m.	Cubic Meters	æ	6.02	0,3	99.55	29.86	1		=	1	*	
	8	7.00	Non-SR	10-LABOUR FOR SHIFTING HOUSE HOLD MATERIAL (Non SR)	Numbers	8	7.00	0.0	0.00	0.00	3	+		1	+	
	9	0		Quality Charges		2	0			0.00	1	+	=	1	+	
	10	0		Royalty Charges	1	2	0			6,160.00	1	+	=	1	*	
	11	0		Serviceable Cost		2	0			0.00	1	+	=	1	+	
		1.000	156066.05				Delete All Items		_							
										Total Amount :		156066.05				
									GST	Charges (12%) :		18727.93				
												174793.98				
				Add Lead Distance												

- The Superintendent Engineer Login screen displays Measurement data after searching the respective work no. Here Superintendent Engineer can now Add, Edit, Delete and customize any data in the measurement Data.
- After Superintendent Engineer verifies the data in measurements field He / She can now have three options enabled within the user Id.
  - 1. Whether He/ She wants to transfer the Estimate to the Controlling office which is Chief Engineer or EIC by Clicking Transfer Estimate.

OR

2. If He / she wants to finalize the Estimate within him/her then simply by clicking the Finalize button available at the bottom of Measurement Data table the estimate gets finalized.

OR

- 3. If He/she wants to send back the Estimate to Division Office authority then by clicking Send back measurement it goes backward to the previous level.
- The process flow is same as Executive Engineer.
- Once the Estimate gets finalized or gets transferred Superintendent Engineer cannot customize the data on his/her login

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		444990.94	5			Delete All Items	: 💼

The above figure shows the Options available for Superintendent Engineer whether to transfer or finalize or Send back.

#### 6. Chief Engineer Measurement Screen:

After Logging in chief Engineer clicks on Estimate Module as follows ESTIMATES => Estimate=> Measurements

Estimates	[Best viewe	d in Interr	net Explorer 8+,	Mozilla Firefox 36+, Google Chrome 37+]												
mate	🕈 You are	A bu are here / Estimate / Estimate														
surement	Solimata Number Z11/87/1 V															
Estimate Details MMORTANT PLEASE NOTE:																
rts	2. Pla 3. Or 4. Th 5. Sc	ease Add L ce estima e Total An sda Charg	Lead Coefficient ate is finalized, N nount shown bel es deduct from	ad Charges buttors before 'finiting' the exitate to update the lead charges, and Estimate Distance for Calculation of Lead Charges. I charges can be drages can be drages and the charges of the ow does not include recapitulation charges. The approprint, To calculate SCADA Charges checked the checkbox and set percent and/er estimate.	nt at last of	list.										
	Measurem	Resurement Details Rate Affecting														Facto
	Sr. No.	Order No.	Chapter Name	Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	D
	1	1.00	Site Cleareance	1-Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.		2	1.00	0.0	0.00	0.00	1	+	Ξ	'	+	
	2	1.01	Site Cleareance	1.1-(i) Girth from 300 mm to 600 mm AR 2006 P No 195	Each	Q	1.01	16.0	9,849.80	157,596.80	1	+	1.5		*	
	3	4.00	R.C.C. Works	3-R.C.C. work of M-15 grade with 20mm & down grade size black hard granite (crusher broken) chips including hoisting and laying. AR 2006 P No 49	Cubic		4.00	0.0	5,968.47	0.00	1	+	=	1	*	
	4	5.00	R.C.C. Works	4-R.C.C. work of M-20 grade with 20mm & down grade size black hard granite (crusher broken) chips including hoisting and laying. AR 2006 P No 50	Cubic		5.00	0.0	41,554.52	0.00	1	•		8		
	5	6.00	Earthwork	1-Earth work in ordinary soil	-	Z	6.00 6.00	0.0	0.00	0.00	1	+	Ξ	'	•	
	6	6.01	Earthwork	1.4-Earth work in ordinary soil in embankment androads, etc. maximum laboratory dry density notless than 1.44gms./1.52gms./1.65gms.pi	Cubic		6.01	144.0	0.00	0.00	1	+	=	1	*	
	7	6.02	Earthwork	1.3-Earth work in ordinary soil in embankment, roads, etc. within 50m. initial lead and 1.5m.	Cubic		6.02	0.3	99.55	29.86	1	*	=	1	*	
	8	7.00	Non-SR	10-LABOUR FOR sHIFTING HOUSE HOLD MATERIAL (Non SR)	Numbers		7.00	0.0	0.00	0.00	,	+			+	
	9	0		Quality Charges		Z	0			0.00	1	+	=	1	+	
	10	0	1	Royalty Charges		2	0			6,160.00	1	+	=	1		
	- 11	0		Serviceable Cost		Z	0			0.00	1	+	=	1	+	
			156066.05				Deleter All Items	. 1						23		
	-								1108/07	Total Amount :		156066.05		23		
									GST	Charges (12%) :		18727.93		23		
	_											174793.98	8	2		

- The Chief Engineer Login screen displays Measurement data after searching the respective work no. Here Chief Engineer can now Add, Edit, Delete and customize any data in the measurement Data.
- After Chief Engineer verifies the data in measurements field He / She can now have three options enabled within the user Id.
  - 1. Whether He/ She wants to forward the Estimate to the higher level which is EIC by Clicking Transfer Estimate.

OR

2. If He / she wants to finalize the Estimate within him/her then simply by clicking the Finalize button available at the bottom of Measurement Screen table the estimate gets finalized.

OR

3. If He/she wants to send back the estimate to Circle Office then by clicking Send back Estimate it goes backward to the Superintendent Engineer.

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										_			
						Add Lead Distance 👭							
Add SR Iten	ns Ado	Parent Items	dd Non SR Item	Calculate Lead Ch	arges Quality Ch	arges Add Serviceabl	e Item (Transf	fer Estimate	Finalize Mea	surements	Sendt	oack Measure	ements

The above figure shows the Options available for Chief Engineer whether to transfer or Finalize or Send back.

#### 7. Engineer in Chief Measurement Screen:

After Logging in Superintendent Engineer clicks on Estimate Module as follows ESTIMATES => Estimate=> Measurements

	5. Scada C	arges deduct from alize, You cannot	clow does not include recapitulation charges rate proposed. To calculate SCADA Charges checked the checkbox and set percent ransfer estimate.	at last of li	st.	_		_					Ra	te Affecting Fi	actor: 0
Sr. N	io. Ori No		Item Description	Unit	Edit Items Details	Order Number	Quantity	Rate Proposed	Amount	Sub Item	Enter Measurements	View Measurements	Edit Measurements	Add Material Coefficient	Delete
	1 1	00 Site Cleareance	1-Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 metres and earth filling in the depression/pit.		Ø	1.00	0.0	0.00	0.00	1	+	=	1	+	1
	2 1	01 Site Cleareance	1.1-(i) Girth from 300 mm to 600 mm AR 2006 P No 195	Each	Q	1.01	16.0	9,849.80	157,596.80	1	+	=	1	+	â
	3 4	00 R.C.C. Worl	s 3-R.C.C. work of M-15 grade with 20mm & down grade size black hard granite (crusher broken) chips including hoisting and laying. AR 2006 P No 49	Cubic Meters		4.00	0.0	5,968.47	0.00	1	+	=	'	*	8
	4 5	00 R.C.C. Worl	s 4-R.C.C. work of M-20 grade with 20mm & down grade size black hard granite (crusher broken) chips including hoisting and laying. AR 2006 P No 50	Cubic Meters		5.00 ¥	0.0	41,554.52	0.00	1	+	=	1	*	1
	5 6	00 Earthwork	1-Earth work in ordinary soil		Ø	6.00	0.0	0.00	0.00	1	+	Ξ	'	+	1
	6 6	01 Earthwork	1.4-Earth work in ordinary soil in embankment androads, etc. maximum laboratory dry density notless than 1.44gms./1.52gms./1.65gms. pi	Cubic Meters		6.01	144.0	0.00	0.00	1	+	=	'	+	â
	7 6	02 Earthwork	1.3-Earth work in ordinary soil in embankment, roads,etc. within 50m. initial lead and 1.5m.	Cubic Meters		6.02 × 6.02	0.3	99.55	29.86	1	+	=	'	*	1
	8 7	.00 Non-SR	10-IABOUR FOR sHIFTING HOUSE HOLD MATERIAL (Non SR)	Numbers	2	7.00	0.0	0.00	0.00	1	+	Ξ	1	*	Û
	9	0	Quality Charges		2	0			0.00	1	+	=	1	+	â
	10	0	Royalty Charges		C2	0			6,160.00	1	+	=	1	+	ŵ
	11	0	Serviceable Cost		Ø	0	1		0.00	1	+	=	1	+	î
	194644.05 Delete All terms : E														
											156066.05				
								GST	Charges (12%) :		18727.93				
											174793.98				

- The Engineer In Chief Login screen displays Estimate after searching the respective work no. Here EIC can now Add, Edit, Delete and customize any data in the measurement field. .
- After Engineer In Chief verifies the data in measurements field He / She can now have two options enabled within the user Id.

1. He / she wants to finalize the Estimate within him/her then simply by clicking the finalize button available at the bottom of Estimate table the estimate gets finalized.

#### OR

- 2. If He/she wants to send back the estimate to Superintendent Engineer then by clicking Send back Estimate it goes back to the Circle Office.
- The process flow ends and the estimate gets Finalized.