

RA Billing Management System (Ver 1.0)

0		Issued for Implementation	Rajesh Gupta	Suresh Khalko	
Rev. No	Date	Purpose	Prepared by	Reviewed by	Approved by

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1. INTRODUCTION

A centralized web application for handling Tender SOR items for RA billing and final executed quantities at project site.

2. FEATURES

Following are the features module wise:

RCM Module:

- Populates Job data
- Add/Update Users (Billing Engineers and Area Coordinators)
- Add New SOR Item
- Approval/Editing of RA Bill
- Approval for Splitted Items by Vendors
- Final Checklist updation
- Reports
 - Abstract
 - RA Bill

Area Coordinator Module:

- Populates Job data
- Approval of RA Bill
- Final Checklist updation
- Reports
 - Abstract
 - RA Bill

Billing Module:

- Populates Job data
- Edit Site Quantity
- Approval of RA Bill
- Final Checklist updation
- Reports
 - Abstract
 - Ra Bill

Vendor Module:

- Split Activity
- RA Bill entry
- Add / Update Measurement Sheet
- Reports
 - Abstract
 - RA Bill

3. SYSTEM REQUIREMENT

This System is web based application. This can be accessed through a web browser with network connection in the client machine. However minimum system requirements of the client machine are as follows.

Hardware

P II / III / IV
16 MB RAM
Network Connectivity

Software

MS Windows 9x/XP/NT/2000/2003
Internet browser like Chrome, Fire fox and Internet Explorer 9.0 or above

4. BRIEF SYSTEM DETAILS

- 1) A complete web-based and self-help system
- 2) Simple to operate by EIL users and authorized Vendors
- 3) This application supports following ROLES:
 - RCM
 - Area coordinators
 - Billing Engineers
 - Vendors

5. OPERATING DETAILS

Login Screen

RA Billing Management System [Logout](#)

RA Billing System handles Tender SOR items for RA billing including measurement sheet and final executed quantities at project site. This software is integrated with the CBA, SORPS and finance billing modules.

Total Hits - 182

Developed by : Information Technology Services, Engineers India Limited, New Delhi.
Contact Details : Suresh Khalko (ITS,ICOM-2554), Rajesh Gupta (ITS,ICOM-8164)

After succesfull login by RCM following menu options will appear:

RA Billing Management System

WELCOME NARASAIHA J VI! Log Out

Populate Job Data Add /Edit Users Add New SOR Item Add/Edit Bill Approve Splitted Items Generate Output Final Check list

Add/Update Billing

Select Job Number

Select Tender Number

Previous Comments

Populate Job Data Screen:

RA Billing Management System

WELCOME NARASAIHA J VI! Log Out

Populate Job Data Add /Edit Users Add New SOR Item Add/Edit Bill Approve Splitted Items Generate Output Final Check list

Populate Job data for Billing from ICMS CBA

Select Job Number

Populate Job Data from ICMS CBA

After clicking on the button “Populate Job Data from ICMS CBA”, job data is populated for the selected job number.

Add/Edit Users screen:

RA Billing Management System

WELCOME NARASAIHA J VI! Log Out

Populate Job Data Add /Edit Users Add New SOR Item Add/Edit Bill Approve Splitted Items Generate Output Final Check list

User Authorization

Site Code : Site Name :

Select Job Number

Select Tender Number

	Emp No.	Emp Name	Emp Role	Delete?
Edit	A520	BHENGRA ANURAG VIKAS	Area Coordinator	Delete
Edit	C249	SHAIK AZEEM	Billing Engineer	Delete

Add Site Employee Add New Employee

After clicking on “Add New Employee”, following screen will appear:

RA Billing Management System

WELCOME BHATNAGAR RAJIV! Log Out

Populate Job Data Add/Edit Users Add New SOR Item Add/Edit Bill Approve Split Items Generate Output

User Authorization

Site Code : 274 Site Name : VIJAIPUR PETROCHEMICAL COMPLEX II, GAIL

Select Job Number A095

Select Tender Number A095/T-180/10-11/RKS/12 (CIVIL & STRL - III UNITS)

Add Employee

Emp No.	Emp Name	Emp Role	Delete?
6724	PRASAD B B		Delete
7475	DE S K		Delete
B221	SINGH VIKRANT		
B342	PRASHANT CHAUHAN	Billing Engineer	
B675	SHARMA SHAILENDRA	Area Coordinator	
B745	DEEPAK KUMAR		
B808	MURALI SHANKAR SL		
B838	GANGULI ANURAG		
B921	JARARIA RAJESH		
B985	PRAKASH E		
C103	ASHUTOSH		
C106	SANDEEP KUMAR		

Add Site Employee

Add User

Area Coordinator Menu options screen:

RA Billing Management System

WELCOME ESLAVATH SHYAM KUMAR! Log Out

Populate Job Data Add/Edit Bill Generate Output Final Check list

Add/Update Billing

Select Job Number --Select Job Number--

Select Tender Number

Previous Comments

Billing Engineer Menu options:

RA Billing Management System

WELCOME KUMAR ANIL! Log Out

Populate Job Data Edit Site Qty Add/Edit Bill Generate Output Final Check list

Add/Update Billing

Select Job Number --Select Job Number--

Select Tender Number

Previous Comments

Edit Site Quantity:

RA Billing Management System

WELCOME KUMAR ANIL!
Log Out

Populate Job Data
Edit Site Qty
Add/Edit Bill
Generate Output
Final Check list

Edit Site Quantity

Select Job Number
Select Tender Number

A095
A095/T-180/10-11/RKS/12 (CIVIL & STRL - III UNITS)

S.No	Sub Job Number	Unit	Tender Part Number	SOR Number	Contractor LOI Code	LOI Number	LOI Date	
1	00	016	12	0	A095-016-16-47-SR120-1M	B012		Select
2	00	016	12	0	A095-016-16-48-SR120-2M	B012		Select
3	00	016	12	0	A095-016-16-50-SR120-0M	B012		Select

S.No	Sequence No	Description	UOM	Rate	Ho Quantity	Site Quantity	
1		GC					
2	C007.00.00	ROADS & FLEXIBLE PAVEMENT (UPTO WBM LAYER) (SPEC. NO.6-65-0018) -					
3	C007.26.00	Supplying and laying of stone aggregate of 90mm down to 45mm size for SUB-BASE COURSE tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 100mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding the surface with binding material of plasticity index upto 6% including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts including preparation of camber below first layer etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -	SQM	160	24500	24500	Update Cancel
4	C007.29.00	Supplying and laying of stone aggregate of 63mm down to 45mm size for WBM layer Base Course, tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 75mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding material of plasticity index upto 6%, including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -	SQM	140	11500	11500	Edit
5	C008.00.00	CONCRETE PAVEMENTS (SPEC NO.6-65-0019) -					
6	C008.02.00	Providing and laying Reinforced Cement Concrete with 20mm and down size graded crushed stone aggregates in flooring, pavements etc. including leaving pockets, if necessary, making recess/drain, laying in alternate panels, etc. for all depths including shuttering, tamping, curing, etc. as specified in any shape, thickness, position and finishing the top surface smooth etc. all complete as per drawings, specifications and directions of Engineer-in-Charge. -					
7	C008.02.01	For RCC of M-30 grade concrete (all materials including cement but excluding cost of providing & fixing reinforcement and joint sealing shall be supplied by the contractor). -	CUM	5200	13200	13200	Edit
8	C008.11.00	Providing and laying plain cement concrete of Nominal Mix 1:5:10 with 20mm and down size graded stone aggregates for all depths below and upto plinth level below Pavement or any other place, including tamping, ramming vibrating, curing all as specified in any shape, position, thickness and finishing the top surface rough or smooth, etc. all complete as per drawings, specifications and direction of Engineer-in-Charge. (including the cost of shuttering). -	CUM	2700	1450	1450	Edit
9	C010.00.00	RCC PIPE CULVERTS & ELECTRICAL ROAD CROSSINGS ETC. SPEC. NO.6-65-0021) -					
10	C010.01.00	Supplying and laying in position RCC pipes with collars conforming to IS:458 for pipe culverts, cable crossings etc. including cutting the pipe if necessary, lowering, laying in position to proper levels, slopes etc. caulking the joints with spun yarn soaked in neat cement slurry and finishing with cement mortar 1:2 (1 cement : 2 sand) curing etc. all complete as per drawings, specifications and directions of Engineer-in-Charge. For following Class and Internal PIPE DIA (MM) -					
11	C010.01.01V02	Dia (internal) 500 mm . Pipe Class NP3 . -	M	1250	140	140	Edit
12	C012.00.00	U/G AND A/G G.I. PIPELINE SYSTEM - WATER SERVICES (SPEC. NO.6-65-0027) -					
		Supplying and laying mild steel galvanised pipes conforming to IS:1239 (heavy grade) and fittings conforming to IS:1239/ ASTM A105 (Galvanised) and as per piping materials specification Class including supply of teflon tapes, white lead, etc. cutting the pipes to required lengths, making threads, earthwork in excavation for trenches, valve pits, etc. in all types of soil excluding soft and hard rock including laying of					

Contractor Menu options:

RA Billing Management System

WELCOME KAZSTROYSERVICE INFRASTRUCTURE INDIA PVT. LTD.!
Log Out

Split Activity
Add/Edit Bill
Generate Output

Add/Update Billing

Select Job Number
Select Tender Number

--Select Job Number--

Previous Comments

Split Activity Option for Contractor:

RA Billing Management System

RA Billing-Split Activity - Google Chrome

localhost:3089/RABilling/SplitActivity

WELCOME

Split Activity

Select Job Number: A133

Select Tender Number: A133-000-16-47-CC-T-8000 (INFRASTRUCTURE WORKS EPCC-1, RESID UPGRADE, CPCL)

S.No	Sub Job Number	Unit	Tender Number	Part Number	SOR Number	Contractor LOI Code	LOI Number	LOI Date	Select
1			8000	0	A133-000-16-44-CC-SOR-8000-0-0M	0009			Select
2			8000	0	A133-000-16-47-CC-SOR-8000-0-1M	0009			Select
3			8000	0	A133-000-16-48-CC-SOR-8000-0-1M	0009			Select
4			8000	0	A133-000-16-49-CC-SOR-8000-0-0M	0009			Select
5			8000	0	A133-000-16-50-CC-SOR-8000-0-0M	0009			Select
6			8000	0	A133-000-20-41-CC-SOR-8000-0-0M	0009			Select

S.No	Sequence No	Description	Split Details	UOM	Rate	Quantity												
1	T000.00.00	INFORMATION TECHNOLOGY SERVICES -																
2	T002.00.00	Supply / Laying of OFC Cable -																
3	T002.03.00	Supply, Laying, testing of 6 core, multi mode (OM3), armoured cable, supply includes all cable accessories like clamps, cable ties, nut bolts etc. to lay the cable as per the specifications of this tender and directions of the Engineer-in-Charge. -	<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Split</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>95</td> <td></td> </tr> <tr> <td>2</td> <td>Final payment</td> <td>5</td> <td></td> </tr> </tbody> </table>	S.No	Activity	Percentage	Split	1		95		2	Final payment	5		M	210	100
S.No	Activity	Percentage	Split															
1		95																
2	Final payment	5																
4	T003.00.00	Supply, installation, termination of panel shelves -																
5	T003.01.00	Supply, installation, termination and certification of 1U panel shelves including face plate, LC duplex adapters, pig tails, fusion splice kit etc. as per the specifications of this tender and directions of the Engineer-in-Charge. -	<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Split</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>95</td> <td></td> </tr> <tr> <td>2</td> <td>Final payment</td> <td>5</td> <td></td> </tr> </tbody> </table>	S.No	Activity	Percentage	Split	1		95		2	Final payment	5		NOS	15750	2
S.No	Activity	Percentage	Split															
1		95																
2	Final payment	5																
6	T004.00.00	Supply, installation of patch cord -																
7	T004.03.00	Supply, Installation of 2 mtr LC-LC multi mode OM3 Low Smoke Zero Halogen patch cord as per the specifications of this tender and directions of the Engineer-in-Charge. -	<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Split</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>95</td> <td></td> </tr> <tr> <td>2</td> <td>Final payment</td> <td>5</td> <td></td> </tr> </tbody> </table>	S.No	Activity	Percentage	Split	1		95		2	Final payment	5		NOS	1890	4
S.No	Activity	Percentage	Split															
1		95																
2	Final payment	5																
8	T012.00.00	Supply and Laying of GI pipe -																
9	T012.01.00	Supply and Laying of GI pipe as per the specifications of this tender and directions of the Engineer-in-Charge. -																
10	T012.01.01V01	Supply and Laying of GI pipe of following sizes OD 25 mm, -	<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Split</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>95</td> <td></td> </tr> <tr> <td>2</td> <td>Final payment</td> <td>5</td> <td></td> </tr> </tbody> </table>	S.No	Activity	Percentage	Split	1		95		2	Final payment	5		M	473	25
S.No	Activity	Percentage	Split															
1		95																
2	Final payment	5																
11	T020.00.00	Supply, Laying, Testing of UTP cables -																
12	T020.03.00	Supply, Laying, Testing of CAT6 LSZH UTP cable 305m box as per the specifications of this tender and directions of the Engineer-in-Charge. -	<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Split</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>95</td> <td></td> </tr> <tr> <td>2</td> <td>Final payment</td> <td>5</td> <td></td> </tr> </tbody> </table>	S.No	Activity	Percentage	Split	1		95		2	Final payment	5		BOX	21000	12
S.No	Activity	Percentage	Split															
1		95																
2	Final payment	5																
13	T024.00.00	S/W/T/C of I/O -																

Clicking on Split Button, following screen will appear:

RA Billing-Split Activity - Google Chrome

localhost:3089/RABilling/SplitActivity

Split Activity

Select Job Number: A133

Select Tender Number: A133-000-16-47-CC-T-8000 (INFRASTRUCTURE WORKS EPCC-1, RESID UPGRADE, CPCL)

S.No	Sub Job Number	Unit	Tender Number	Part Number	SOR Number	Contractor LOI Code	LOI Number	LOI Date	
1			8000	0	A133-000-16-44-CC-SOR-8000-0-0M	O009			Select
2			8000	0	A133-000-16-47-CC-SOR-8000-0-1M	O009			Select
3			8000	0	A133-000-16-48-CC-SOR-8000-0-1M	O009			Select
4			8000	0	A133-000-16-49-CC-SOR-8000-0-0M	O009			Select
5			8000	0	A133-000-16-50-CC-SOR-8000-0-0M	O009			Select
6			8000	0	A133-000-20-41-CC-SOR-8000-0-0M	O009			Select

Split Activity

Activity description: Supply, Laying, testing of 6 core, multi mode (OM3), armoured cable, supply includes all cable accessories like clamps, cable ties, nut bolts etc. to lay the cable as per the specifications of this tender and directions of the Engineer-in-Charge. -

Activity Percentage: 95

S.No	Activity Description	Activity Percentage	
1			+ -
2			+ -
3			+ -

Submit

Description	Percentage
	95
Final payment	5

Cancel

S.No	Activity	Percentage				
10	T012.01.01V01 Supply and Laying of GI pipe of following sizes OD 25 mm , -	95	Split	M	473	25
2	Final payment	5				
11	T020.00.00 Supply, Laying, Testing of UTP cables -					
12	T020.03.00 Supply, Laying, Testing of CAT6 LSZH UTP cable 305m box as per the specifications of this tender and directions of the Engineer-in-Charge. -	95	Split	BOX	21000	12
2	Final payment	5				
13	T024.00.00 S/I/T/C of I/O -					

After entering the activity details and percentage, flowing screen will appear:

RA Billing-Split Activity - Google Chrome

localhost:3089/RABilling/SplitActivity

Split Activity

Select Job Number: A133

Select Tender Number: A133-000-16-47-CC-T-8000 (INFRASTRUCTURE WORKS EPCC-1, RESID UPGRADE, CPCL)

S.No	Sub Job Number	Unit	Tender Number	Part Number	SOR Number	Contractor LOI Code	LOI Number	LOI Date	
1			8000	0	A133-000-16-44-CC-SOR-8000-0-0M	0009			Select
2			8000	0	A133-000-16-47-CC-SOR-8000-0-1M	0009			Select
3			8000	0	A133-000-16-48-CC-SOR-8000-0-1M	0009			Select
4			8000	0	A133-000-16-49-CC-SOR-8000-0-0M	0009			Select
5			8000	0	A133-000-16-50-CC-SOR-8000-0-0M	0009			Select
6			8000	0	A133-000-20-41-CC-SOR-8000-0-0M	0009			Select

S.No	Sequence No	Description	Split Details		UOM	Rate	Quantity															
1	T000.00.00	INFORMATION TECHNOLOGY SERVICES -																				
2	T002.00.00	Supply / Laying of OFC Cable -																				
3	T002.03.00	Supply, Laying, testing of 6 core, multi mode (OM3), armoured cable, supply includes all cable accessories like clamps, cable ties, nut bolts etc. to lay the cable as per the specifications of this tender and directions of the Engineer-in-Charge. -	<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Approval</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>test activity 1</td> <td>35</td> <td>Pending</td> </tr> <tr> <td>2</td> <td>test activity 3</td> <td>25</td> <td>Pending</td> </tr> <tr> <td>3</td> <td>Final payment</td> <td>5</td> <td></td> </tr> </tbody> </table>	S.No	Activity	Percentage	Approval	1	test activity 1	35	Pending	2	test activity 3	25	Pending	3	Final payment	5		M	210	100
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8	T012.00.00	Supply and Laying of GI pipe -																				
9	T012.01.00	Supply and Laying of GI pipe as per the specifications of this tender and directions of the Engineer-in-Charge. -																				
10	T012.01.01V01	Supply and Laying of GI pipe of following sizes OD 25 mm, -	<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Approval</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>95</td> <td>Split</td> </tr> <tr> <td>2</td> <td>Final payment</td> <td>5</td> <td></td> </tr> </tbody> </table>	S.No	Activity	Percentage	Approval	1		95	Split	2	Final payment	5		M	473	25				
S.No	Activity	Percentage	Approval																			
1		95	Split																			
2	Final payment	5																				
11	T020.00.00	Supply, Laying, Testing of UTP cables -																				
12	T020.03.00	Supply, Laying, Testing of CAT6 LSZH UTP cable 305m box as per the specifications of this tender and directions of the Engineer-in-Charge. -	<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Approval</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>95</td> <td>Split</td> </tr> <tr> <td>2</td> <td>Final payment</td> <td>5</td> <td></td> </tr> </tbody> </table>	S.No	Activity	Percentage	Approval	1		95	Split	2	Final payment	5		BOX	21000	12				
S.No	Activity	Percentage	Approval																			
1		95	Split																			
2	Final payment	5																				

RCM's Activity approval/Rejection screen:

RA Billing Management System

WELCOME NARASAIH J V!

Log Out

Populate Job Data Add/Edit Users Edit Site Qty Add New SOR Item Add/Edit Bill Approve Splitted Items Generate Output

Approve/Reject Splitted activities (Submitted by Contractor)

Select Job Number: A133

Select Tender Number: A133-000-16-47-CC-T-8000 (INFRASTRUCTURE WORKS EPCC-1, RESID UPGRADE, CPCL)

S.No	SOR Number	Sequence Number	Activity Description	Percentage	RCM (Approval Status)	Reject
1	A133-000-16-44-CC-SOR-8000-0-0M	PP.TT.AA.TEST	Split Activities as desired	95	N	<input type="checkbox"/>
2	A133-000-20-41-CC-SOR-8000-0-0M	T002.03.00	test activity 2	35	N	<input type="checkbox"/>
3	A133-000-20-41-CC-SOR-8000-0-0M	T002.03.00	test activity 1	35	N	<input type="checkbox"/>
4	A133-000-20-41-CC-SOR-8000-0-0M	T002.03.00	test activity 3	25	N	<input type="checkbox"/>

Approve

After RCM approves the activities, than Contractor will be able to raise the bill as shown in below screen.

Bill Entry by Contractor:

RA Billing Management System

WELCOME BANSAL CONTRACTORS (INDIA) LTD.!

Log Out

Split Activity Add/Edit Bill Generate Output

Add/Update Billing

Select Job Number: A095

Select Tender Number: A095/T-180/10-11/RKS/12 (CIVIL & STRL - III UNITS)

New bill Entry View/Update Old bills

S.No	SOR No	Sequence No	Description	UOM	HO Qty	Site Qty	Rate	Split Details							
1	A095-016-16-47-SR120-1M	GC	GENERAL CIVIL -												
2	A095-016-16-47-SR120-1M	C007.00.00	ROADS & FLEXIBLE PAVEMENT (UPTO WBM LAYER) (SPEC. NO.6-65-0018) -												
3	A095-016-16-47-SR120-1M	C007.26.00	Supplying and laying of stone aggregate of 90mm down to 45mm size for SUB-BASE COURSE tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 100mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding the surface with binding material of plasticity index upto 6% including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts including preparation of camber below first layer etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -	SQM	24500	24500	160	S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount
								1	TEST3	45%	0	0	0	0	
													M. Sheet		
								2	TEST2	30%	0	0	0	0	
													M. Sheet		
								3	TEST1	20%	0	0	0	0	
													M. Sheet		
								4	Final Payment	5%	0	0	0	0	
													M. Sheet		
4	A095-016-16-47-SR120-1M	C007.29.00	Supplying and laying of stone aggregate of 63mm down to 45mm size for WBM layer Base Course, tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 75mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding material of plasticity index upto 6%, including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -	SQM	11500	11500	140	S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount
								1	Final Payment	5%	0	0	0	0	
													M. Sheet		
5	A095-016-16-47-SR120-1M	C008.00.00	CONCRETE PAVEMENTS (SPEC NO.6-65-0019) -												
			Providing and laying Reinforced Cement Concrete with 20mm and down size graded crushed stone												

Clicking on Measurement Sheet button, following screen may appear:

RA Billing Management System

WELCOME BANSAL CONTRACTORS (INDIA) LTD.!

Log Out

Split Activity Add/Edit Bill Generate Output

Add/Update Billing

Select Job Number A095

Select Tender Number A095/T-180/10-11/RKS/12 (CIVIL & STRL - III UNITS)

New bill Entry View/Update Old bills

S.No	SOR No	Sequence	Description	UOM	NO	Site	Rate	Split Details					
1	A095-016-16-47-SR120-1M	G											
2	A095-016-16-47-SR120-1M	C											
3	A095-016-16-47-SR120-1M	C											
4	A095-016-16-47-SR120-1M	C	leads and lifts, spreading and laying to form water bound macadam in one layer of 75mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding material of plasticity index upto 6%, including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -	SQM	11500	11500	140						
5	A095-016-16-47-SR120-1M	C	CONCRETE PAVEMENTS (SPEC NO.6-65-0019) -										

MEASUREMENT SHEET

Activity description TEST3

Item Number C007.26.00

Activity Description

Unit --Select UOM--

Quantity

Length

Breadth

Height

Unit Weight

Remarks

Add Item

Measurement sheet entry not found.

Close

After adding the quantities following success screen will appear:

www3.eil.co.in/Rabilling/Bill_Entry

RA Billing Management System

WELCOME BANSAL CONTRACTORS (INDIA) LTD.!

Log Out

Split Activity Add/Edit Bill Generate Output

Add/Update Billing

Select Job Number A095

Select Tender Number A095/T-180/10-11/RKS/12 (CIVIL & STRL - III UNITS)

New bill Entry View/Update Old bills

S.No	SOR No	Sequence	Description	UOM	NO	Site	Rate	Split Details				
1	A095-016-16-47-SR120-1M	GC	GENERAL CIVIL -									
2	A095-016-16-47-SR120-1M	C	ROADS & FLEXIBLE PAVEMENT (UPTO WBM LAYER) (SPEC. NO.6-65-0018) -									

Activity added successfully

OK

RA Billing Management System

WELCOME BANSAL CONTRACTORS (INDIA) LTD.! Log Out

Split Activity Add/Edit Bill Generate Output

S.No	SOR No	Sequence No	Description	UOM	HO Qty	Site Qty	Rate	Split Details							
1	A095-016-16-47-SR120-1M	GC	GENERAL CIVIL -												
2	A095-016-16-47-SR120-1M	C007.00.00	ROADS & FLEXIBLE PAVEMENT (UPTO WBM LAYER) (SPEC. NO.6-65-0018) -												
3	A095-016-16-47-SR120-1M	C007.26.00	Supplying and laying of stone aggregate of 90mm down to 45mm size for SUB-BASE COURSE tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 100mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding the surface with binding material of plasticity index upto 6% including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts including preparation of camber below first layer etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -	SQM	24500	24500	160	S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount
								1	TEST3	45%	0	0	250 <div>M. Sheet</div>		
								2	TEST2	30%	0	0	0 <div>M. Sheet</div>		
								3	TEST1	20%	0	0	0 <div>M. Sheet</div>		
								4	Final Payment	5%	0	0	0 <div>M. Sheet</div>		
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								1	Final Payment	5%	0	0	0 <div>M. Sheet</div>		
5	A095-016-16-47-SR120-1M	C008.00.00	CONCRETE PAVEMENTS (SPEC NO.6-65-0019) -												
			Providing and laying Reinforced Cement Concrete with												

Billing Engineer screen for Approving contractor's bill

RA Billing Management System

WELCOME JITENDRA KUMAR!
Log Out

Populate Job Data
Edit Site Qty
Add/Edit Bill
Generate Output

Add/Update Billing

Select Job Number

Select Tender Number

A133 ▼

A133-000-16-48-CI-T-8100 (CIVIL, STR & UG EPCC-1, RESID UPGRADE, CPCL) ▼

Old Bills

S.No	Bill Sequence No	Dated	
1	12	29-Feb-2016	Select

Previous Comments

After selecting the bill, following screen will appear:

localhost:3089/RABilling/RA_Bill_Entry.aspx

Select Job Number: A133
Select Tender Number: A133-000-16-48-CI-T-8100 (CIVIL, STR & UG EPCC-1, RESID UPGRADE, CPCL)

Old Bills

S.No	Bill Sequence No	Dated
1	12	29-Feb-2016

Select

S.No	SOR No	Sequence No	Description	UOM	HO Qty	Site Qty	Rate	Total Amount	Split Details																																																			
1	A133-000-16-47-CI-SOR-8100-A-2M	C007.26.00	Supplying and laying of stone aggregate of 90mm down to 45mm size for SUB-BASE COURSE tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 100mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding the surface with binding material of plasticity index upto 6% including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts including preparation of camber below first layer etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -	SQM	9200	9200	250		<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Qty (Upto Prev. bill)</th> <th>Amount (Upto Previous Bill)</th> <th>Contr. Current Qty</th> <th>Total Quantity</th> <th>Total Amount</th> <th>BE</th> <th>AC</th> <th>RCM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Civil Work-1</td> <td>35%</td> <td>11</td> <td>962.5</td> <td>11</td> <td>22</td> <td>1925</td> <td>Reject</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Civil Work-3</td> <td>25%</td> <td>5</td> <td>312.5</td> <td>5</td> <td>10</td> <td>625</td> <td>Reject</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Civil Work-2</td> <td>35%</td> <td>10</td> <td>875</td> <td>10</td> <td>20</td> <td>1750</td> <td>Reject</td> <td></td> <td></td> </tr> </tbody> </table>								S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount	BE	AC	RCM	1	Civil Work-1	35%	11	962.5	11	22	1925	Reject			2	Civil Work-3	25%	5	312.5	5	10	625	Reject			3	Civil Work-2	35%	10	875	10	20	1750	Reject		
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Send for Approval to AC/RCM

Previous Comments
No Previous Comments.

Billing Engineer may Either Reject or Approve all quantities. After approval following screen will appear:

Old Bills																																																					
S.No	Bill Sequence No	Dated																																																			
1	12	29-Feb-2016	Select																																																		
S.No	SOR No	Sequence No	Description	UOM	HO Qty	Site Qty	Rate	Total Amount	Split Details																																												
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Area Coordinator approval screen:

Add/Update Billing																																																					
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2	A133-000-16-47-CI-SOR-8100-A-2M	C007.29.00	Supplying and laying of stone aggregate of 63mm down to 45mm size for WBM layer Base Course, tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 75mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding material of plasticity index upto 6%, including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -	SQM	11000	11000	190		<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Qty (Upto Prev. bill)</th> <th>Amount (Upto Previous Bill)</th> <th>Contr. Current Qty</th> <th>Total Quantity</th> <th>Total Amount</th> <th>BE</th> <th>AC</th> <th>RC</th> <th>CM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>95%</td> <td>60</td> <td>10830</td> <td>60</td> <td>120</td> <td>21660</td> <td>60</td> <td>60</td> <td></td> <td></td> </tr> </tbody> </table>	S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount	BE	AC	RC	CM	1		95%	60	10830	60	120	21660	60	60																										
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Previous Comments																																																									
No Previous Comments																																																									

RCM Screen for final approving of bill:

Select Job Number
Select Tender Number

A133
A133-000-16-48-CI-T-8100 (CIVIL, STR & UG EPCC-1, RESID UPGRADE, CPCL)

Old Bills

S.No	Bill Sequence No	Dated
1	12	29-Feb-2016

S.No

SOR No

Sequence No

Description

UOM

HO Qty

Site Qty

Rate

Total Amount

S.No

Activity

Percentage

Qty (Upto Prev. bill)

Amount (Upto Previous Bill)

Contr. Current Qty

Total Quantity

Total Amount

BE

AC

RCM

1

A133-000-16-47-CI-SOR-8100-A-2M

C007.26.00

Supplying and laying of stone aggregate of 90mm down to 45mm size for SUB-BASE COURSE tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 100mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding the surface with binding material of plasticity index upto 6% including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts including preparation of camber below first layer etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -

SQM

9200

9200

250

1

Civil Work-1

35%

11

962.5

11

22

1925

11

11

Reject

2

Civil Work-3

25%

5

312.5

5

10

625

5

5

Reject

3

Civil Work-2

35%

10

875

10

20

1750

10

10

Reject

2

A133-000-16-47-CI-SOR-8100-A-2M

C007.29.00

Supplying and laying of stone aggregate of 63mm down to 45mm size for WBM layer Base Course, tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 75mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding material of plasticity index upto 6%, including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -

SQM

11000

11000

190

1

95%

60

10830

60

120

21660

60

60

Reject

Remarks (If Any)

Approve All
Generate Bill

Previous Comments
No Previous Comments

RCM has facility to overwrite the previous quantities entered by others and may approve and generate the bill:

After approving, following screen will come:

Add/Update Billing

Select Job Number: A133
Select Tender Number: A133-000-16-48-CI-T-8100 (CIVIL, STR & UG EPCC-1, RESID UPGRADE, CPCL)

Old Bills

S.No	Bill Sequence No	Dated
1	12	29-Feb-2016

Select

S.No	SOR No	Sequence No	Description	UOM	HO Qty	Site Qty	Rate	Total Amount	Split Details																																																									
1	A133-000-16-47-CI-SOR-8100-A-2M	C007.26.00	Supplying and laying of stone aggregate of 90mm down to 45mm size for SUB-BASE COURSE tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 100mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding the surface with binding material of plasticity index upto 6% including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts including preparation of camber below first layer etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -	SQM	9200	9200	250		<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Qty (Upto Prev. bill)</th> <th>Amount (Upto Previous Bill)</th> <th>Contr. Current Qty</th> <th>Total Quantity</th> <th>Total Amount</th> <th>BE</th> <th>AC</th> <th>RC</th> <th>CM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Civil Work-1</td> <td>35%</td> <td>11</td> <td>962.5</td> <td>11</td> <td>22</td> <td>1925</td> <td>11</td> <td>11</td> <td>11</td> <td></td> </tr> <tr> <td>2</td> <td>Civil Work-3</td> <td>25%</td> <td>5</td> <td>312.5</td> <td>5</td> <td>10</td> <td>625</td> <td>5</td> <td>5</td> <td>5</td> <td></td> </tr> <tr> <td>3</td> <td>Civil Work-2</td> <td>35%</td> <td>10</td> <td>875</td> <td>10</td> <td>20</td> <td>1750</td> <td>10</td> <td>10</td> <td>10</td> <td></td> </tr> </tbody> </table>										S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount	BE	AC	RC	CM	1	Civil Work-1	35%	11	962.5	11	22	1925	11	11	11		2	Civil Work-3	25%	5	312.5	5	10	625	5	5	5		3	Civil Work-2	35%	10	875	10	20	1750	10	10	10	
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2	A133-000-16-47-CI-SOR-8100-A-2M	C007.29.00	Supplying and laying of stone aggregate of 63mm down to 45mm size for WBM layer Base Course, tough, sound, clean and durable including cost of stone aggregate, all royalties, taxes, handling, transportation to site, unloading the same by the side of road with all leads and lifts, spreading and laying to form water bound macadam in one layer of 75mm compacted thickness to proper grade, camber and level, filling voids with screenings and binding material of plasticity index upto 6%, including cost of supply of screening and binding material, consolidating with power driven road roller, watering, with all leads and lifts etc. complete as per drawings, specifications and directions of Engineer-in-Charge. -	SQM	11000	11000	190		<table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Percentage</th> <th>Qty (Upto Prev. bill)</th> <th>Amount (Upto Previous Bill)</th> <th>Contr. Current Qty</th> <th>Total Quantity</th> <th>Total Amount</th> <th>BE</th> <th>AC</th> <th>RC</th> <th>CM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>95%</td> <td>60</td> <td>10830</td> <td>60</td> <td>120</td> <td>21660</td> <td>60</td> <td>60</td> <td>60</td> <td></td> </tr> </tbody> </table>										S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount	BE	AC	RC	CM	1		95%	60	10830	60	120	21660	60	60	60																									
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Remarks (If Any)

Previous Comments

Clicking on Generate RA Bill button:

Bill Number will be generated, and following screen will appear in "Generate Output" menu options

RA Billing Management System

WELCOME NARASAIHAH J V! Log Out

Populate Job Data | Add /Edit Users | Edit Site Qty | Add New SOR Item | Add/Edit Bill | Approve Splitted Items | Generate Output

Generate RA Bills (Excel format)

Select Job Number: A133
Select Tender Number: A133-000-16-48-CI-T-8100 (CIVIL, STR & UG EPCC-1, RESID UPGRADE, CPCL)

S.No	RA Bill No	Dated
1	9	29-Feb-2016

Generate

Generate Extract

Bill Formats in Excel:

Job No A133																
DCU Chennai																
ABSTRACT FOR MEASUREMENTS AND PAYMENT																
Name of Work : Construction of Building Works (Additional) for Offsite PH-III, Refinery Project - MRPL, Mangalore.																
RA Bill Period Upto: 29-Feb-2016										Running Account Bill No: 9						
SOR S. No	SOR Item No.	Items	UOM	SOR Quantity	SOR Rate	Part Rate	Executed Qty			Amount in Rs.			Remarks			
							Up to Prev. Bill	Since Prev. Bill	Up to Date	Upto Prev. Bill	Since Prev. Bill	Upto. Date				
1	C007.26.0	S/L 100 mm thick WBM with 90-45 aggregates														
		Civil Work	SQM	9200	250	35%	26	11	37	6500	2750	9250				
		Civil Work	SQM	9200	250	35%	26	10	36	6500	2500	9000				
		Civil Work	SQM	9200	250	25%	26	5	31	6500	1250	7750				
2	C007.29.0	S/L 75mm thick WBM with 63-45 aggregates														
			SQM	11000	190	95%	60	60	120	11400	11400	22800				

Abstract:

ABSTRACT FOR MEASUREMENTS AND PAYMENT																
Name of Work : .																
SOR S. No	SOR Item No.	Items	UOM	SOR Quantity	SOR Rate	Part Rate	Executed Qty			Amount in Rs.			Remarks			
							Up to Prev. Bill	Since Prev. Bill	Up to Date	Upto Prev. Bill	Since Prev. Bill	Upto. Date				
1	C007.00.00	ROADS & FLEXIBLE PAVEMENT (UPTO WBM LAYER) (SPEC. NO.6-65-0018) -														
2	C007.26.00	Supplying SQM	2400	248	100%											
3	C007.29.00	Supplying SQM	4100	221	100%											
4	C008.00.00	CONCRETE PAVEMENTS (SPEC NO.6-65-0019) -														
5	C008.02.00	Providing and laying Reinforced Cement Concrete with 20mm and down size graded crushed stone aggregates in flooring, pavements etc. including leaving pockets, if necessary,														
6	C008.02.01	For RCC of CUM	910	6272	100%											
7	C008.05.00	Providing 20mm wide Expansion Joints in pavement slabs as per std. No.7-65-0404 including cleaning the joints of all loose material, filling with 20mm thick impregnated fibre bo														
8	C008.05.01	For type-II M	150	2146	100%											
9	C008.05.03	For type-II M	20	1926	100%											
10	C008.05.05	For type-II M	350	1651	100%											
11	C008.12.00	Providing joints in pavements and around foundations as per std no.7-65-404 including cleaning the joints of all loose materials and sealing with sealing compound conforming to														
12	C008.12.01	Construct M	490	166	100%											
13	C010.00.00	RCC PIPE CULVERTS & ELECTRICAL ROAD CROSSINGS ETC. SPEC. NO.6-65-0021) -														
14	C010.01.00	Supplying and laying in position RCC pipes with collars conforming to IS:458 for pipe culverts, cable crossings etc. including cutting the pipe if necessary, lowering, laying in positio														
15	C010.01.01V	Dia (inter)M	50	936	100%											
16	C010.05.00	Supplying and laying in position PVC pipes conforming to IS:4985 Class - I for cable crossings, including cutting the pipe if necessary, lowering, laying in position to proper levels, s														
17	C010.05.01V	Dia (outer)M	500	826	100%											
18	C012.00.00	U/G AND A/G G.I. PIPELINE SYSTEM - WATER SERVICES (SPEC. NO.6-65-0027) -														
19	C012.01.00	Supplying and laying mild steel galvanised pipes conforming to IS:1239 (heavy grade) and fittings conforming to IS:1239/ ASTM A105 (Galvanised) and as per piping materials speci														
20	C012.01.01V	Nom. Dia M	920	1465	100%											
21	C012.01.01V	Nom. Dia M	930	958	100%											
22	C012.01.01V	Nom. Dia M	640	1939	100%											
23	C012.03.00	Supplying and laying above ground mild steel galvanised pipes conforming to IS:1239 (heavy grade) and fittings conforming to IS:1239/ASTM A 105 (GALVANISED) and as per piping														
24	C012.03.01V	Nom. Dia M	10	1195	100%											
25	C012.03.01V	Nom. Dia M	20	755	100%											
26	C025.00.00	MISC. CIVIL AND STRUCTURAL WORKS FOR U/G PIPING AND OTHER CIVIL WORKS (SPEC. NO. 6-65-0035) -														
27	C025.15.00	Providing and laying brick masonry with locally available bricks of specified class (Brick of class lower than specified shall not be accepted) in cement mortar 1:4 (1 cement : 4 Coa														
28	C025.15.02V	All materi CU.M.	10	3742	100%											
29	C025.16.00	Providing 13mm thick average cement plaster in cement mortar 1:3 (1 cement: 3 sand) on brick walls/stone masonry/pitching or on concrete surfaces for manholes, valves pits, cu														

6. ERROR MESSAGES

Error messages will be displayed while input parameters are wrongly filled or some validation fails.

Login failed:

If Valid Employee number and Password in not mentioned, following screen will appear:

The screenshot displays the 'RA Billing Management System' login interface. At the top, there is a blue header bar with the system name. Below the header is a banner image showing various industrial scenes. On the right side, there is a 'Sign In' box with fields for 'User ID' (containing 'sdsds') and 'Password', and a 'Login' button. Below the login box, a red error message states: 'Error: You are not authorized.' At the bottom left, it shows 'Total Hits - 127'. The footer contains the company logo, name, and contact details.

RA Billing Management System

Sign In

User ID

Password

Login

Error: You are not authorized.

Total Hits - 127

ENGINEERS INDIA LIMITED
Developed by : Information Technology Services, Engineers India Limited, New Delhi.
Contact Details : Suresh Khalko (ITS, ICOM-2554), Rajesh Gupta (ITS, ICOM-8164)

Invalid Split error message:

RA Billing Management System

RA Billing-Split Activity - Google Chrome

localhost:3089/RABilling/SplitActivity

Split Activity

Select Job Number: A095
Select Tender Number: A095/T-180/10-11/RKS/12 (CIVIL & STRL - III UNITS)

S.No	Sub Job Number	Unit	Tender Part Number	SOR Number	Contractor LOI Code	LOI Number	Date	
1	00	016	12	0	A095-016-16-47-SR120-1M	B012		Select
2	00	016	12	0	A095-016-16-48-SR120-2M	B012		Select
3	00	016	12	0	A095-016-16-50-SR120-0M	B012		Select

S.No	Sequence No	Description	Split Details	UOM	Rate	Quantity
1	EE	ELECTRICAL -				
2	E207.00.00	G.I. PIPES -				
3	E207.01.00	Supply and laying of folio concrete or similar structure, threading, bending and installation of seats, plugs as per approved drawing				
4	E207.01.01	40 mm NB. -		M	300	150
5	E207.01.02	50 mm NB. -		M	600	70
6	E207.01.03	65 mm NB. -		M	850	100
7	E207.01.04	80 mm NB. -		M	1000	150
8	E207.01.05	100 mm NB. -		M	1200	100
9	E207.01.07	150 mm NB. -		M	2300	50
10	E402.00.00	EARTH ELECTRODES -				

Split Activity

Activity description: 40 mm NB. -

Activity Percentage: 95

S.No	Activity Description	Activity Percentage
1		

Submit

Error: Percentage breakup does not match actual value. Kindly correct

Description	Percentage
Final Payment	5

Cancel