

RA Billing Management System (Version 1.0)

0	19.04.2017	Issued for Implementation	Rajesh Gupta	Suresh Khalkho	Rakesh Chaudhary
Rev. No	Date	Purpose	Prepared by	Reviewed by	Approved by

INDEX

1. INTRODUCTION	3
2. FEATURES	3
3. SYSTEM REQUIREMENT	3
4. BRIEF SYSTEM DETAILS.....	4
5. OPERATING DETAILS	5
6. ERROR MESSAGES.....	22

1. INTRODUCTION

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

2. FEATURES

- Web based system
- The package is designed in a simple modular way.
- The modules are self-explanatory.
- The package is developed by using ORACLE Relational Database Management System (RDBMS). Relational database approach represents various data elements of the system in the form of normalized relations and conventional files are termed as tables with the key elements and its attributes forming contents of the tables.
- Database approach helps in the integrity consistency and security of the data and avoids redundancy.
- The package can handle large volume of data.
- One point data entry system is provided which is carried over in the relevant modules.

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 :**
 - ✓ Minimum Windows XP or higher Operating System.
 - ✓ Minimum 1 GB of Random Access Memory (RAM).
 - ✓ Minimum 50 GB of Hard Disk Capacity.
 - ✓ Laser Printer.
- **SOFTWARE :**
 - ✓ Google Chrome, Fire fox or Internet Explorer 9 or above
 - ✓ Acrobat Reader 5.0 and above.
- Internet for Site users and intranet connectivity for HO users.

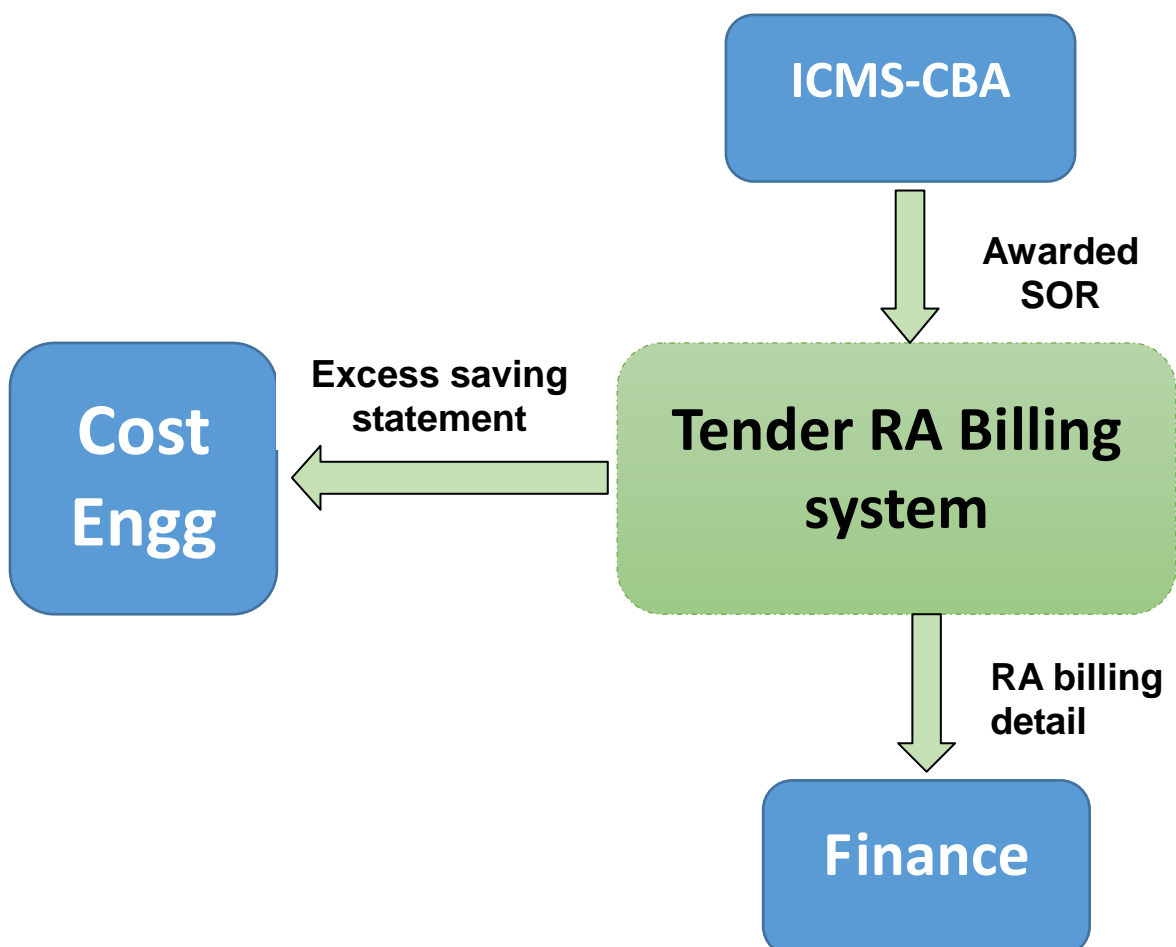
4. BRIEF SYSTEM DETAILS

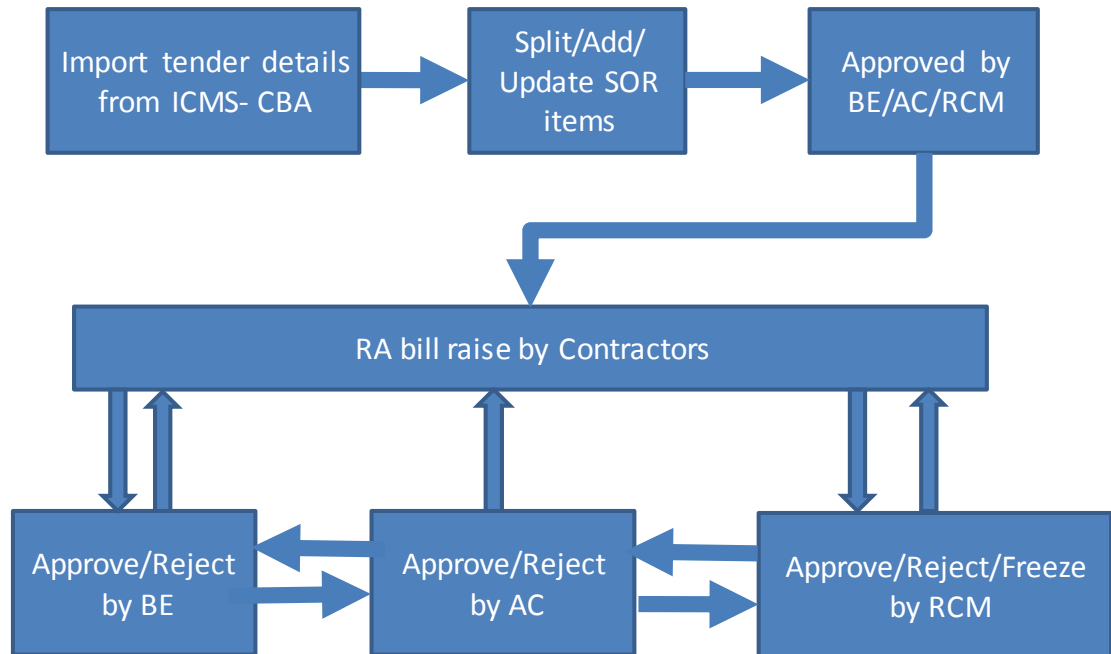
RA Billing System caters to the construction sites for keeping the records of RA bills generated by contractor during the execution of the item rate contract. All activities such as importing tender SOR data from HO, Splitting SOR items based on activity and payments milestones, assigning billing engineer and area coordinator against each contract, adding extra item, uploading measurement sheet by contractor and approval by EIL engineers are taken care of in a modular way.

Web address in the web browser

<http://www3.eil.co.in/rabilling/>

Overall Block Diagram





Reports:

Job No / Tender wise /Unit wise billing information (abstract)

Contractor wise billing information

Final Executed Quantities

Analysis Reports

5. OPERATING DETAILS

To start the application user has to type the following web address in the web browser

<http://www3.eil.co.in/rabilling/>

Once user types the above address, a web page will appear as shown below.

Login Screen



To Login,

- EIL User has to use his/her EIL **Employee No.** as user Id and **EILDC Domain Password** as Password.
- Contractor user has to use **EIL HSE** username and password.

This application supports following ROLES:

- RCM
- Area coordinators
- Billing Engineers
- Contractor

Following are the modules for various ROLES:

RCM:

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

Area Coordinator:

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

Billing Engineer Module:

- Populates Job data
- Edit Site Quantity
- Approval of RA Bill
- Final Checklist updation
- Generate Output
 - Abstract
 - RA Bill

Contractor Module:

- Split Activity
- RA Bill entry using Measurement Sheets
- Generate Output
 - Abstract
 - RA Bill

Modules:

A. Populates Job data:

This module is used to import awarded Tender SOR data from ICMS – CBA software.

Steps:

- Select job number
- Click on the **Populate Job Data from ICMS CBA** button.

RA Billing Management System

WELCOME NARASAIHAH J V! 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 A133

Populate Job Data from ICMS CBA

This will update all awarded data with details into RA billing system

B. **Add/Update Users:** This module is used to assigning billing engineer and area coordinator against each contact. Only RCM can authorized to use this module

RA Billing Management System

WELCOME NARASAIHAH J V! 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 : 292 Site Name : DCU (EPCC1), CPCL, CHENNAI

Select Job Number A133

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

	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

Steps:

- Select Job Number
- Select Tender Number
- Click on the button “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 Splitted 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

- d. Assign the role against employee number (employee number and site code are linked with CPIS database) and click on the button “Add User”.

C. **Add New SOR Item:** This module is used for adding new SOR item against any SOR at the site.

Steps:

- Select Job Number
- Select Tender Number, following screen will appear with SOR details:

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

Add New SOR Item

Select Job Number A774

Select Tender Number A774-000-81-41-CI-T-8102 (CIVIL / STRUCTURAL WORKS FOR DHD, SRU & OFFSITE)

S.No	Sub Job Number	Unit	Tender Number	Part Number	SOR Number	Contractor Code	LOI Number	LOI Date	
1	00	000	8102	0	A774-000-16-50-CI-SOR-8102-0-0M	F005			Select
2	00	000	8102	0	A774-000-81-41-CI-SOR-8102-0-1M	F005			Select

- Click on the button “Select ” to select the SOR against which user want to add new SOR item, all the SOR item will appear on the screen as show below:

S.No	Sequence No	Description	UOM	Rate	Quantity
1	EE	ELECTRICAL --			
2	E207.00.00	G.I. PIPES --			
3	E207.01.00	Supply and laying of following sizes of G.I. Pipes (medium) in required length fixed on steel, concrete or similar structure, laid in trenches, ready to be buried in concrete including cutting, threading, bending and similar works, supply of clamps, small iron structures, spacers and installation of seats, plugs, bushings etc., small civil works, including all labour and materials, as per approved drawings, specifications of this tender and directions of Engineer-in-Charge. --			
4	E207.01.01	40 mm NB. --	M	1230	800
5	E207.01.02	50 mm NB. --	M	1640	260
6	E207.01.03	65 mm NB. --	M	2050	70
7	E207.01.04	80 mm NB. --	M	2510	150
8	E207.01.05	100 mm NB. --	M	3390	150
9	E207.01.07	150 mm NB. --	M	5130	80
10	E402.00.00	EARTH ELECTRODES --			
11	E402.01.00	Supply, installation, testing and commissioning of GI earth electrodes, complete with earth pit as per std. 7-51-0102 and all necessary materials including excavation of earth pit, filling with charcoal and salt, back filling, providing necessary brickwork, connections, including all labour and materials, as per approved drawings, specifications of this tender and directions of Engineer-in-Charge. --			
12	E402.01.01	GI earth electrode as per std. 7-51-0102. --	NOS	15230	65
13	E403.00.00	EARTH STRIPS --			
14	E403.02.00	Supply, installation and connection of following GI earthing strip buried individually at a depth of 500 mm including welding at joints, providing anti-corrosive paint or bitumen and jute covering for welded portion, clamping and necessary hardware for connecting, excavation and refilling etc., including all labour and materials, as per approved drawings, specifications of this tender and directions of Engineer-in-Charge. --			
15	E403.02.02	50 x 6 mm --	M	660	2200
16	E403.02.03	40 x 5 mm --	M	510	250
17	E403.02.04	20 x 3 mm --	M	370	480
18	E405.00.00	EARTH PLATES --			
19	E405.01.00	Supply, installation and connection of GI earth plates as per std. 7-51-0103, complete with anchor bolts, including all labour and materials, as per approved drawings, specifications of this tender and directions of Engineer-in-Charge. --			
20	E405.01.01	GI earth plate as per std. 7-51-0103. --	NOS	1450	140
21	C001.12.00	Constructing 300mm x 300mm x 1200mm size GRID PILLARS in plain cement concrete of M-20 grade with 20mm and down size graded stone aggregates with 500mm below ground level and 700mm above ground including embedding steel plate 150mm x 150mm x 10mm thick with two nos. anchor bars of 12mm dia. 150 mm long on top of pillar for marking the permanent reference points, including earthwork in excavation, backfilling and spreading surplus earth, shuttering, tamping, ramming, vibrating, curing, and finish	EACH	100	1

d. Click on the button “Add New SOR Item”, following screen will appear.

Add New Item	
SOR Number	A774-000-16-50-CI-SOR-8102-0-0M
Discipline	GENERAL CIVIL
Standard Item	<input checked="" type="radio"/> Others Item <input type="radio"/>
Sequence Number	--Select Sequence Number--
Activity	
Description	
Quantity	
Unit Of Measure	
Item Rate	
<div>Close</div> <div>Save</div>	

e. User can add standard SOR items as well as Other miscellaneous items.

f. Enter all the mandatory details in above screen and press “Save” button to add.

D. Splitting and Approval of SOR Items for activity / payments: This module is used for splitting the SOR item as per activities and payment condition. Contractor will split the SOR items based on the activities and payments condition and RCM will approve the same.

Steps:

- Select Job Number
- Select Tender Number, following screen will appear with SOR details:

RA Billing-Split Activity - Google Chrome

www3.eil.co.in/Rabilling/SplitActivity

Split Activity

Select Job Number: A774

Select Tender Number: A774-000-81-41-CF-T-8201 (CIVIL STRUCTURAL WORKS FOR BUILDINGS FOR DHDIT)

S.No	Sub Job Number	Unit	Tender Number	Part Number	SOR Number	Contractor LOI Code	LOI Number	LOI Date	
1	00	000	8201	0	A774-000-16-50-CF-SOR-8201-0-0M	B017			Select
2	00	000	8201	0	A774-000-81-41-CF-SOR-8201-0-1M	B017			Select

- Click on the “Select”, following screen will appear with SOR item details:

Management System

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

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/I/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 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

S.No Sequence No Description

Split Activity

Activity: 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

- Enter the activities and percentage
- Press button "Submit" to save records.
- 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
S.No	Activity	Percentage	Approval																			
1	test activity 1	35	Pending																			
2	test activity 3	25	Pending																			
3	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>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		NOS	15750	2				
S.No	Activity	Percentage	Approval																			
1		95	Split																			
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>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		NOS	1890	4				
S.No	Activity	Percentage	Approval																			
1		95	Split																			
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>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: RCM can approved or reject the splitted activities entered by contractor. Screen is show below.

RA Billing Management System

WELCOME NARASAIHA 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

E. RA Bill Entry and approval cycle: After approval of splitting activity, contractor will start the processing of RA bill. Contractor will upload the measurement sheets and Billing engineer / area coordinator and RCM will approved the bills sequentially.

Steps by Contractor:

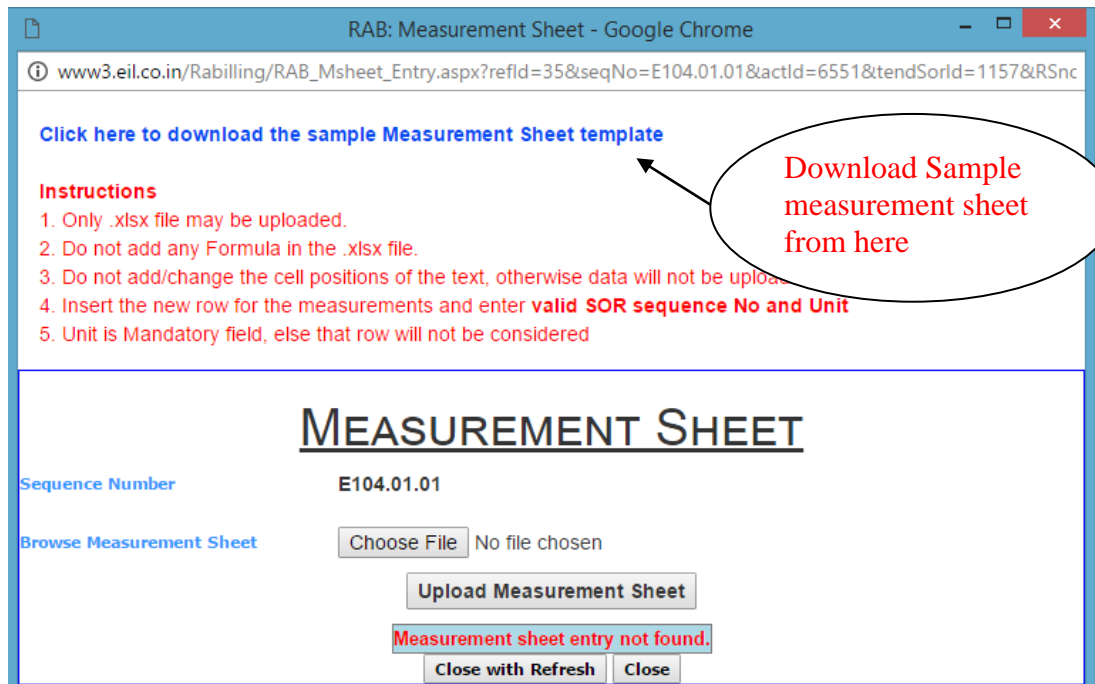
- Select Job Number
- Select Tender Number, following screen will appear:

- Click on the radio button “New bill Entry” to enter a new bill. Next screen will appear with SOR details with breakup.

Add/Update Billing														
Select Job Number		A774												
Select Tender Number		8201 (CIVIL STRUCTURAL WORKS FOR BUILDINGS FOR DHD)												
New bill Entry View/Update Old bills														
S.No	SOR No	Sequence No	Description	UOM	SOR Qty	Rate	Split Details							
1	A774-000-16-50-CF-SOR-8201-0-0M	A005.06.00	Providing pointing over masonry											
2	A774-000-16-50-CF-SOR-8201-0-0M	EE	ELECTRICAL											
3	A774-000-16-50-CF-SOR-8201-0-0M	E104.00.00	MISCELLANEOUS CONTROL GEAR											
4	A774-000-16-50-CF-SOR-8201-0-0M	E104.01.00	I/T/C miscellaneous control gear.											
5	A774-000-16-50-CF-SOR-8201-0-0M	E104.01.01	Weight of the unit up to 5 kg.	NOS	6	800	S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount
							1		95%	71	53960	0		
							2		5%	0	0	0		
6	A774-000-16-50-CF-SOR-8201-0-0M	E104.01.02	Weight of the unit above 5 kg. but upto 20 kg.	NOS	3	1450	S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount
							1		95%	0	0	0		
							2		5%	0	0	0		
7	A774-000-16-50-CF-SOR-8201-0-0M	E104.01.03	Weight of the unit above 20 kg. but upto 100 kg.	NOS	2	2900	S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount
							1		95%	0	0	0		
												0		

M Sheet Link

- Click on the link “M.Sheet” as shown in above screen , next screen will appear .



RAB: Measurement Sheet - Google Chrome

www3.eil.co.in/Rabilling/RAB_Msheet_Entry.aspx?refId=35&seqNo=E104.01.01&actId=6551&tendSorId=1157&RSnc

[Click here to download the sample Measurement Sheet template](#)

Instructions

1. Only .xlsx file may be uploaded.
2. Do not add any Formula in the .xlsx file.
3. Do not add/change the cell positions of the text, otherwise data will not be upload.
4. Insert the new row for the measurements and enter **valid SOR sequence No and Unit**
5. Unit is Mandatory field, else that row will not be considered

MEASUREMENT SHEET

Sequence Number E104.01.01

Browse Measurement Sheet Choose File No file chosen

Upload Measurement Sheet

Measurement sheet entry not found.

Close with Refresh Close

- e. Click on the button “Choose File” to upload the measurement sheet in standard excel format (User can download the standard measurement sheet format by clicking the link “**Click here to download the sample Measurement Sheet template**” from the above screen).
- f. Press button “Close” or “Close with Refresh” to go into the main screen to upload measurement sheet for another item. If user press “Close” button, it will save the data but it will not show the total quantity in the main screen. If user press “Close with Refresh” button, it will save the data and it will show the total quantity in the main screen but it will take extra time for refresh whole page. It is suggested that “Close with Refresh” button can be used for last record for fast data retrieval.
- g. After uploading all the measurement sheet , enter the bill number and period of the measurement in the screen show below :

lail.co.in/Rabilling/ X

www3.eil.co.in/Rabilling/Bill_Entry

S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Previous Bill)	Contr. Current Qty	Total Quantity	Total Amount
487	A774-000-81-41-CF-SOR-8201-0-1M	C184.01.01V02	Capacity - Kg	NOS	14	3290	
1		95%	0	0	0	0	
2		5%	0	0	0	0	
488	A774-000-81-41-CF-SOR-8201-0-1M	C184.05.00	Sit of portable CO2 Extinguisher				
489	A774-000-81-41-CF-SOR-8201-0-1M	C184.05.01V01	Capacity - Kg	NOS	12	5000	
1		95%	0	0	0	0	
2		5%	0	0	0	0	
490	A774-000-81-41-CF-SOR-8201-0-1M	C189.00.00	Sit of valve assembly				
491	A774-000-81-41-CF-SOR-8201-0-1M	C189.01.00	Sit of Gate valve assembly				
492	A774-000-81-41-CF-SOR-8201-0-1M	C189.01.01V35	Dia ____mm, Pipe class ____	EACH	2	4500	
1		95%	0	0	0	0	
2		5%	0	0	0	0	

Bill Number Billing(Period): From Date To Date

[Submit To Billing Engineer](#)

- h. After entering all the Measurement Sheets and enter Bill number and billing period, click on the button “Submit to Billing Engineer” for approval of the bill.

F. Approval/Editing of RA Bill entered by Contractor:

a) Approval by Billing Engineer:

Steps :

- Select Job Number
- Select Tender Number, following screen will appear:

WELCOME PAL DEBASISH! [Log Out](#)

[Populate Job Data](#) [Edit Site Qty](#) [Add/Edit Bill](#) [Generate Output](#) [Final Check list](#)

Add/Update Billing

Select Job Number

Select Tender Number

Old Bills

S.No	Bill Sequence No	Added On	Bill Number	Bill Period	
1	1	29-Mar-2017	Test Bill/2017/01	02-Mar-2017 To 29-Mar-2017	Select

[Previous Comments](#)

Click button to view details

- After clicking on Select link, following screen will appear:

RA Billing Management System

User Manual

WELCOME PAL DEBASISH!

Log Out

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

Add/Update Billing

Select Job Number: A774
Select Tender Number: 8201 (CIVIL STRUCTURAL WORKS FOR BUILDINGS FOR DHDT)

Old Bills

S.No	Bill Sequence No	Added On	Bill Number	Bill Period	
1	1	29-Mar-2017	Test Bill/2017/01	02-Mar-2017 To 29-Mar-2017	Select

S.No	SOR No	Sequence No	Description	UOM	SOR Qty	Rate	Split Details										
1	A774-000-16-50-CF-SOR-8201-0-0M	A005.06.00	Providing pointing over masonry														
2	A774-000-16-50-CF-SOR-8201-0-0M	EE	ELECTRICAL														
3	A774-000-16-50-CF-SOR-8201-0-0M	E104.00.00	MISCELLANEOUS CONTROL GEAR														
4	A774-000-16-50-CF-SOR-8201-0-0M	E104.01.00	I/T/C miscellaneous control gear.														
5	A774-000-16-50-CF-SOR-8201-0-0M	E104.01.01	Weight of the unit up to 5 kg.	NOS	6	800	S.No	Activity	Percentage	Qty (Upto Prev. bill)	Amount (Upto Prev. bill)	Contr. Current Qty	Total Quantity	Total Amount	BE	AC	RCM
							1		95%	0	0	71	71	53960	Qty approved 71	71	71
6	A774-000-16-50-CF-SOR-8201-0-0M	E104.01.02	Weight of the unit above 5 kg. but upto 20 kg.	NOS	3	1450											
7	A774-000-16-50-CF-SOR-8201-0-0M	E104.01.03	Weight of the unit above 20 kg. but upto 100 kg.	NOS	2	2900											

Scroll the screen for sending it for further approval:

www3.eil.co.in/Rabilling/Bill_Entry

477	A774-000-81-41-CF-SOR-8201-0-1M	C034.20.01V06	(Diam - mm Pipe Class -)	M	15	1700											
478	A774-000-81-41-CF-SOR-8201-0-1M	C034.21.00	Providing stoneware Gully Trap														
479	A774-000-81-41-CF-SOR-8201-0-1M	C034.21.02V01	All materials including cement supplied by contractor	EACH	2	5200											
480	A774-000-81-41-CF-SOR-8201-0-1M	C034.22.00	Construction of inspection chamber/ manholes														
481	A774-000-81-41-CF-SOR-8201-0-1M	C034.22.02V01	All materials including cement supplied by contractor	EACH	2	27000											
482	A774-000-81-41-CF-SOR-8201-0-1M	C176.00.00	Overhead Drinking Water Tank														
483	A774-000-81-41-CF-SOR-8201-0-1M	C176.01.00V01	Clean agent for buildings	EACH	1	6000											
484	A774-000-81-41-CF-SOR-8201-0-1M	C176.01.00V02	Clean agent for buildings	EACH	1	12000											
485	A774-000-81-41-CF-SOR-8201-0-1M	C184.00.00	Portable/ trolley mounted Extinguishers														
486	A774-000-81-41-CF-SOR-8201-0-1M	C184.01.00	Srl of portable DCP Extinguisher														
487	A774-000-81-41-CF-SOR-8201-0-1M	C184.01.01V02	Capacity - Kg	NOS	14	3290											
488	A774-000-81-41-CF-SOR-8201-0-1M	C184.05.00	Srl of portable CO2 Extinguisher														
489	A774-000-81-41-CF-SOR-8201-0-1M	C184.05.01V01	Capacity - Kg	NOS	12	5000											
490	A774-000-81-41-CF-SOR-8201-0-1M	C189.00.00	Srl of valve assembly														
491	A774-000-81-41-CF-SOR-8201-0-1M	C189.01.00	Srl of Gate valve assembly														
492	A774-000-81-41-CF-SOR-8201-0-1M	C189.01.01V35	Dia ____mm, Pipe class ____	EACH	2	4500											

Click on the button to approve and send it to AC/RCM

Send for Approval to AC/RCM

Previous Comments

b) Approval by Area Coordinator :

Steps :

- Select Job Number
- Select Tender Number, following screen will appear:

www3.eil.co.in/Rabilling/Bill_Entry

RA Billing Management System User Manual

WELCOME DUTTA MRIDUL KUMAR! Log Out

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

Add/Update Billing

Select Job Number A774
Select Tender Number 8201 (CIVIL STRUCTURAL WORKS FOR BUILDINGS FOR DHDT)

Old Bills

S.No	Bill Sequence No	Added On	Bill Number	Bill Period	
1	1	29-Mar-2017	Test Bill/2017/01	02-Mar-2017 To 29-Mar-2017	Select

Previous Comments

After clicking on Select link, following screen will appear:

Scroll to the end of the screen to submit it to RCM:

www3.eil.co.in/Rabilling/Bill_Entry

478	A774-000-81-41-CF-SOR-8201-0-1M	C034.21.00	Providing stoneware Gully Trap				
479	A774-000-81-41-CF-SOR-8201-0-1M	C034.21.02V01	All materials including cement supplied by contractor	EACH	2	5200	
480	A774-000-81-41-CF-SOR-8201-0-1M	C034.22.00	Construction of inspection chamber/ manholes				
481	A774-000-81-41-CF-SOR-8201-0-1M	C034.22.02V01	All materials including cement supplied by contractor	EACH	2	27000	
482	A774-000-81-41-CF-SOR-8201-0-1M	C176.00.00	Overhead Drinking Water Tank				
483	A774-000-81-41-CF-SOR-8201-0-1M	C176.01.00V01	Clean agent for buildings	EACH	1	6000	
484	A774-000-81-41-CF-SOR-8201-0-1M	C176.01.00V02	Clean agent for buildings	EACH	1	12000	
485	A774-000-81-41-CF-SOR-8201-0-1M	C184.00.00	Portable/ trolley mounted Extinguishers				
486	A774-000-81-41-CF-SOR-8201-0-1M	C184.01.00	Sil of portable DCP Extinguisher				
487	A774-000-81-41-CF-SOR-8201-0-1M	C184.01.01V02	Capacity - Kg	NOS	14	3290	
488	A774-000-81-41-CF-SOR-8201-0-1M	C184.05.00	Sil of portable CO2 Extinguisher				
489	A774-000-81-41-CF-SOR-8201-0-1M	C184.05.01V01	Capacity - Kg	NOS	12	5000	
490	A774-000-81-41-CF-SOR-8201-0-1M	C189.00.00	Sil of valve assembly				
491	A774-000-81-41-CF-SOR-8201-0-1M	C189.01.00	Sil of Gate valve assembly				
492	A774-000-81-41-CF-SOR-8201-0-1M	C189.01.01V35	Dia____mm. Pipe class____	EACH	2	4500	

Remarks (If Any)

Send for Approval to RCM

Previous Comments

Enter Remarks (If any) and Click on the button for Final Submission to RCM.

c) Approval by RCM :

Steps :

- Select Job Number
- Select Tender Number, following screen will appear:

www3.eil.co.in/Rabilling/Bill_Entry

RA Billing Management System User Manual

WELCOME DAS AMIT K! 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 A774
Select Tender Number 8201 (CIVIL STRUCTURAL WORKS FOR BUILDINGS FOR DHDT)

Old Bills

S.No	Bill Sequence No	Added On	Bill Number	Bill Period	
1	1	29-Mar-2017	Test Bill/2017/01	02-Mar-2017 To 29-Mar-2017	Select

Previous Comments

After clicking on the Select link, following screen will appear:

← → C www3.eil.co.in/Rabilling/Bill_Entry

478	A774-000-81-41-CF-SOR-8201-0-1M	C034.21.00	Providing stoneware Gully Trap				
479	A774-000-81-41-CF-SOR-8201-0-1M	C034.21.02V01	All materials including cement supplied by contractor	EACH	2	5200	
480	A774-000-81-41-CF-SOR-8201-0-1M	C034.22.00	Construction of inspection chamber/ manholes				
481	A774-000-81-41-CF-SOR-8201-0-1M	C034.22.02V01	All materials including cement supplied by contractor	EACH	2	27000	
482	A774-000-81-41-CF-SOR-8201-0-1M	C176.00.00	Overhead Drinking Water Tank				
483	A774-000-81-41-CF-SOR-8201-0-1M	C176.01.00V01	Clean agent for buildings	EACH	1	6000	
484	A774-000-81-41-CF-SOR-8201-0-1M	C176.01.00V02	Clean agent for buildings	EACH	1	12000	
485	A774-000-81-41-CF-SOR-8201-0-1M	C184.00.00	Portable/ trolley mounted Extinguishers				
486	A774-000-81-41-CF-SOR-8201-0-1M	C184.01.00	S/l of portable DCP Extinguisher				
487	A774-000-81-41-CF-SOR-8201-0-1M	C184.01.01V02	Capacity - Kg	NOS	14	3290	
488	A774-000-81-41-CF-SOR-8201-0-1M	C184.05.00	S/l of portable CO2 Extinguisher				
489	A774-000-81-41-CF-SOR-8201-0-1M	C184.05.01V01	Capacity - Kg	NOS	12	5000	
490	A774-000-81-41-CF-SOR-8201-0-1M	C189.00.00	S/l of valve assembly				
491	A774-000-81-41-CF-SOR-8201-0-1M	C189.01.00	S/l of Gate valve assembly				
492	A774-000-81-41-CF-SOR-8201-0-1M	C189.01.01V35	Dia____mm, Pipe class____	EACH	2	4500	

Remarks (If Any)

Approve All Generate Bill

Previous Comments

After Clicking on **Approve All** button, data entry by contractor will freeze and following success screen will appear:

← → C www3.eil.co.in/Rabilling/Bill_Entry

478	A774-000-81-41-CF-SOR-8201-0-1M	C034.21.00	Providing stoneware Gully				
479	A774-000-81-41-CF-SOR-8201-0-1M	C034.21.02V01	All materials including cer				
480	A774-000-81-41-CF-SOR-8201-0-1M	C034.22.00	Construction of inspection				
481	A774-000-81-41-CF-SOR-8201-0-1M	C034.22.02V01	All materials including cer				
482	A774-000-81-41-CF-SOR-8201-0-1M	C176.00.00	Overhead Drinking Water Tank				
483	A774-000-81-41-CF-SOR-8201-0-1M	C176.01.00V01	Clean agent for buildings	EACH	1	6000	
484	A774-000-81-41-CF-SOR-8201-0-1M	C176.01.00V02	Clean agent for buildings	EACH	1	12000	
485	A774-000-81-41-CF-SOR-8201-0-1M	C184.00.00	Portable/ trolley mounted Extinguishers				
486	A774-000-81-41-CF-SOR-8201-0-1M	C184.01.00	S/l of portable DCP Extinguisher				

www3.eil.co.in says:
Items approved successfully

OK

Clicking on the **Generate Bill** button following success screen will appear:

← → C www3.eil.co.in/Rabilling/Bill_Entry

478	A774-000-81-41-CF-SOR-8201-0-1M	C034.21.00	Providing stoneware Gully				
479	A774-000-81-41-CF-SOR-8201-0-1M	C034.21.02V01	All materials including cer				
480	A774-000-81-41-CF-SOR-8201-0-1M	C034.22.00	Construction of inspection				
481	A774-000-81-41-CF-SOR-8201-0-1M	C034.22.02V01	All materials including cer				
482	A774-000-81-41-CF-SOR-8201-0-1M	C176.00.00	Overhead Drinking Water				
483	A774-000-81-41-CF-SOR-8201-0-1M	C176.01.00V01	Clean agent for buildings	EACH	1	6000	
484	A774-000-81-41-CF-SOR-8201-0-1M	C176.01.00V02	Clean agent for buildings	EACH	1	12000	
485	A774-000-81-41-CF-SOR-8201-0-1M	C184.00.00	Portable/ trolley mounted Extinguishers				
486	A774-000-81-41-CF-SOR-8201-0-1M	C184.01.00	S/l of portable DCP Extinguisher				
487	A774-000-81-41-CF-SOR-8201-0-1M	C184.01.01V02	Capacity - Kg	NOS	14	3290	
488	A774-000-81-41-CF-SOR-8201-0-1M	C184.05.00	S/l of portable CO2 Extinguisher				
489	A774-000-81-41-CF-SOR-8201-0-1M	C184.05.01V01	Capacity - Kg	NOS	12	5000	
490	A774-000-81-41-CF-SOR-8201-0-1M	C189.00.00	S/l of valve assembly				
491	A774-000-81-41-CF-SOR-8201-0-1M	C189.01.00	S/l of Gate valve assembly				
492	A774-000-81-41-CF-SOR-8201-0-1M	C189.01.01V35	Dia____mm, Pipe class____	EACH	2	4500	

www3.eil.co.in says:
Bill generated successfully
☐ Prevent this page from creating additional dialogs.

OK

Remarks (If Any)

Approve All Generate Bill

G. **Generate Output** : This module is used to **generate RA bill and abstract.**

Steps:

- Select Job Number
- Select Tender Number, following screen will appear with RA bill details:

WELCOME BRIDGE AND ROOF COMPANY (INDIA) LTD.!

Split Activity Add/Edit Bill Generate Output

Generate RA Bills (Excel format)

Select Job Number A774

Select Tender Number A774-000-81-41-CF-T-8201 (CIVIL STRUCTURAL WORKS FOR BUILDINGS FOR DHDT)

S.No	Bill Date	Bill Number	Bill Period	
1	29-Mar-2017	Test Bill/2017/01	02-Mar-2017 To 29-Mar-2017	Generate

Generate Abstract

- Click on the button “Generate” for RA billing output
- Click on the button “Generate Abstract” for tender abstract.

Sample files are shown below:

RA billing Format in Excel:

B	C	D	E	F	G	H	I	J	K	L	M	N	O
Job Number: A774													
Tender Number: A774-000-81-41-CF-T-8201 (CIVIL STRUCTURAL WORKS FOR BUILDINGS FOR DHDT)													
ABSTRACT FOR MEASUREMENTS AND PAYMENT													
Contractor Name:BRIDGE AND ROOF COMPANY (INDIA) LTD.(B017)													
RA Bill Period Upto: 02-Mar-2017 To 29-Mar-2017										Running Account Bill No: Test Bill/2017/01			
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	E104.01.01	Weight of the unit up to 5 kg.	NOS	6	800	95%	0	71	71	0	56800	56800	

Tender Abstract Format in Excel:

Job Number: A774													
Tender Number: A774-000-81-41-CF-T-8201 (CIVIL STRUCTURAL WORKS FOR BUILDINGS FOR DHDT)													
ABSTRACT FOR MEASUREMENTS AND PAYMENT													
Contractor Name: BRIDGE AND ROOF COMPANY (INDIA) LTD.(B017)													
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	A000.00.00	ARCHITECTURE -											
2	A002.00.00	FLOOR FINISHING -											
3	A002.01.00	Providing and laying average											
4	A002.01.01	CEMENT SUPPLIED BY THE CONTRACTOR AT THEIR COST	Sq.M.	150	370	100%							
5	A002.03.00	Providing and laying average											
6	A002.03.01	CEMENT SUPPLIED BY THE CONTRACTOR AT THEIR COST	Sq.M.	1052	780	100%							
7	A002.04.00	Providing and laying 125mm high											
8	A002.04.01	18mm thick. CEMENT SUPPLIED											

H. Final Checklist

Populate Job Data	Add /Edit Users	Add New SOR Item	Add/Edit Bill	Approve Splitted Items	Generate Output	Final Check list
Update Checklist						
Select Job Number	A774					
Select Tender Number	A774-000-81-41-CU-T-8101 (BORED CAST-IN-SITU- PILES AND RCC WORKS FOR DHDT)					
S.No	Activities Completed	BE	AC	RCM		
1	Processing of Final Time Extension.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2	Processing of all Extra Claims and approval by Competent Authority.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3	No Claim and No Dues Certificates from Contractor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4	Site Clearance Certificate from Contractor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5	Final variation (excess/Saving) Statement.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6	Material Reconciliation Statement (for Owner supplied materials) and return of surplus material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7	Material Issue Voucher (MIV)/Return Voucher (MRV) Statement (for Owner supplied Material). To be approved by EIL Stores Dept.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8	Return of materials taken on loan from Owner's stores, if any.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9	Handing over of excess materials/spares of Package Units after commissioning (supplied by Contractor and if required as per contract provisions).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10	Validity of Contract Performance Security as per contract (Normally to cover one year defect liability period plus 90 days from the date of completion of works mentioned in the completion Certificate).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11	Submission of 6 nos. of copies of As-built Drawings (signed by EIL and Contractor) along with soft copy.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12	Bill/ measurement to be signed by RCM/authorized signatories of contractor (check with POA submitted by the contractor). Write name, designation, and date below signature. Alternative put seal, date below Signatures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
13	Issue of Completion Certificate by EIL (Attach this certificate in Final Bill forwarded to owner System Completion Certificates/Mechanical Completion certificate, wherever applicable, to be issued prior to issue of this certificate).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
14	No Objection Certificate(S) from Statutory Authorities/ Govt. Bodies, if required, as per contract.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
15	All measurements have been test checked.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
16	Check that all deficiencies/punch points have been corrected /attended to, deviations approved & NCR resolved.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
17	Return of Gate Passes to Owner/Security Dept., if issued.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
18	Recovery of crane charges.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
19	Construction Power Supply disconnection certificate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
20	Recovery of shortfall in deployment of Key Construction Personnel.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Submit		Freeze Check List				

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:

RA Billing Management System



Sign In	
User ID	<input type="text" value="sdsds"/>
Password	<input type="password"/>
<input type="button" value="Login"/>	

Error: You are not authorized.

Total Hits - 127

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	Select
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 struct threading, bending and s installation of seats, plug 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		

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

Description: 95
Final Payment: 5

S.No	Activity	Percentage
1		95
2	Final Payment	5

S.No	Activity	Percentage
1		95
2	Final Payment	5

S.No	Activity	Percentage
1		95
2	Final Payment	5