



SMART KUNGAHARA SYSTEM (SKS)

Training material for
coffee washing station managers



TECHOUSE
POWERING INNOVATION



SKS access links

For Web access :

URL : <https://smartkungahara.rw/>

Login with CWS manager's Username and Password

For Android APP access :

Search SKS coffee on  GOOGLE PLAY store and install

Login with CWS manager' username and password

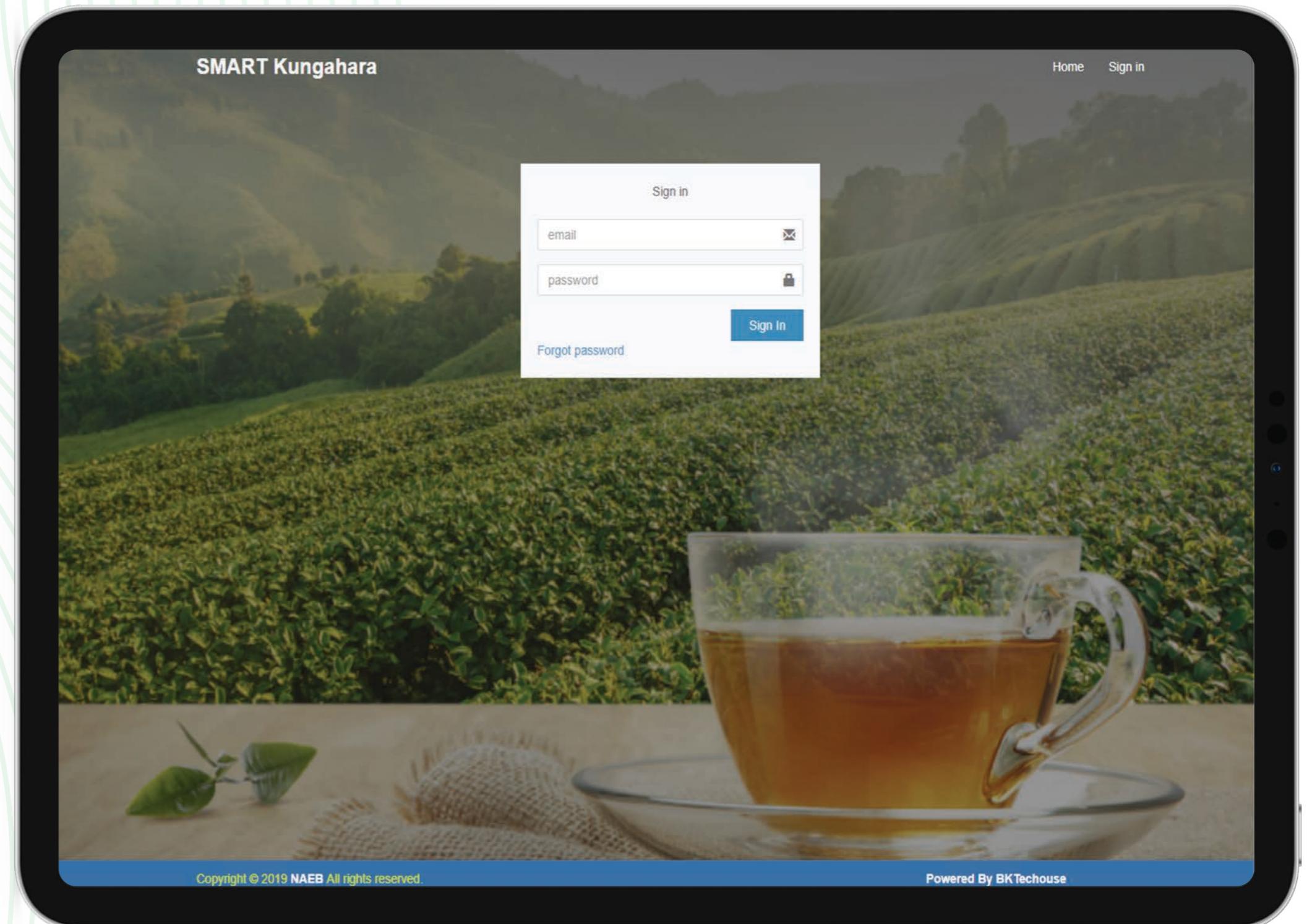


Cherry supply process on web

Login

1 Go to
www.smartkungahara.rw
a web page is opened

Click to “Sign-in ” and
input your credentials :
“E-mail” and “Password”



View Farmer list

Click on farmers and view farmer list

Click on Temporary farmer and view pending farmers for approval

Export all farmers

The image shows a screenshot of the SMART Kungahara application interface. The top navigation bar includes 'Season 20A' and 'Rukundo'. On the left, a sidebar menu lists 'REGISTRATION', 'WET PROCESSING', 'SITE', 'INPUT DISTRIBUTION', and 'GENERAL' sections. Under 'WET PROCESSING', 'Farmers' is selected, showing sub-options: 'Farmers' (selected), 'Supplying farmers', and 'Temporary farmers'. Other sections like 'Parchments' and 'Payments' are also listed. The main content area displays a summary of production metrics: 86,121 TREES, 198 FARMERS, 2,011 kg RECEIVED CHERRIES (from Suppliers), 2,729 kg PRODUCED PARCHMENTS, and 678.5 % Completion (402.2 kg EXPECTED PARCHMENTS). Below this, a table lists individual farmers with columns for First name, Last name, National ID, Phone number, Reg number, and actions (Supply, Edit). The table contains 10 rows of data.

First name	Last name	National ID	Phone number	Reg number	
YAKOBO	BAMENYIYABO	1195180018508049	250788836368	BB57892	... Supply Edit
XXX	NSABIMANA	1195680035091074	250788836369	BB58002	... Supply Edit
XXX	MUKANDUTIYE	1194870018189059		BB57945	... Supply Edit
XXX	MANIRAFASHA	1196170035416088		BB57888	... Supply Edit
XXX	BUCYENDUHE	1194980018034084		BB57881	... Supply Edit
VENANT	NDAZIHAKIWE	1195680035102058		BB57895	... Supply Edit
THARCISSÉ	NTAKAZARIMARA	1196280050061058		BB57901	... Supply Edit

Create a New farmer

Click on New Farmer

Input farmer NID (SKS validates the first name, last name and gender)

Type:
Type
Phone number
Land information

The image shows a screenshot of the SMART Kungahara application interface. The left sidebar contains navigation links for Registration, Wet Processing, Site, Input Distribution, and General. The main area is titled 'Create farmer'. It includes fields for 'NID *' (highlighted with an orange border), 'First name *' (text input field), 'Last name *' (text input field), 'Gender *' (radio buttons for Male and Female), 'Phone number' (text input field highlighted with an orange border), 'Type *' (radio buttons for Individual and Group, highlighted with an orange border), and a 'Land *' section (highlighted with an orange border) containing 'Number of trees' (text input field), 'Province' (dropdown menu set to 'NORTHERN'), 'District' (dropdown menu set to 'Gakenke'), 'Sector' (dropdown menu), 'Cell' (dropdown menu), 'village' (dropdown menu), and a 'Remove' button. At the bottom right are 'Save' and 'Cancel' buttons.

Create site collectors (1/2)

► select organizations ► click on users ► click on new user

The screenshots illustrate the steps to create site collectors:

- select organizations**: The first screenshot shows the 'Organisations' page. The 'Organisations' tab in the sidebar is highlighted with an orange box. The table lists two organizations: ABAHUZAMUGAMBI and Abakangukiyekawa CWS.
- click on users**: The second screenshot shows the 'Users' page for the organization 'Nkara/Dukundekawa II'. The 'Users' tab in the sidebar is highlighted with an orange box. The table lists seven users: BRIAN, KAREMERA; BUDONI, ALAIN; COLLECTOR, COLLECTOR; ERNEST, HATEGEKIMANA; INPUT, DISTRIBUTOR; JOSEPH, RUKUNDO; and PAUL, YOHANI.
- click on new user**: The 'New user' button in the top right corner of the 'Users' page is highlighted with an orange box.

Create site collectors (2/2)

Input NID

(first name, last name and gender will auto generate)

Select CWS as Roles

Select coffee collector as user type

The image shows a screenshot of the SMART Kungahara application interface. The top navigation bar includes 'Season 20A' and 'Rukundo'. The left sidebar has sections like 'REGISTRATION', 'WET PROCESSING', 'SITE', and 'GENERAL'. Under 'REGISTRATION', 'Organisations' is selected and highlighted with an orange box. The main content area is titled 'Nkara/Dukundekawa II >> Create user'. It contains fields for 'NID', 'First name *', 'Last name *', 'Email *', 'Phone number *', 'Gender *' (with 'Male' and 'Female' options), 'Roles *' (with 'CWS' checked and 'INPUT_DISTRIBUTOR' available), 'Password *', and 'User type *' (a dropdown menu also highlighted with an orange box). At the bottom right are 'Save' and 'Cancel' buttons.

Pin reset

- ▶ select organizations
- ▶ select users
- ▶ click on users
- ▶ click on highlighted icons
- ▶ click on enable pin reset

The screenshot illustrates the process of enabling a pin reset for a user in the SMART Kungahara system. It consists of two main parts:

- Top Part:** Shows the 'Organisations' and 'Users' sections of the application. In the 'Organisations' section, the 'Farmers' role is highlighted with an orange box. In the 'Users' section, the 'Farmers' role is also highlighted with an orange box. This indicates the selection of the target user group.
- Bottom Part:** A detailed view of a user profile. The profile belongs to a user named 'BRIAN KAREMERA'. The profile includes fields for First name, Last name, NID, Phone number, and REG number. To the right of the profile, there is a green button labeled 'Enable pin reset' with a checkmark icon, which is also highlighted with an orange box.

Record the cherry supply on the Web (1/2)

► Go to farmers , select supplying farmers

► Select farmer name and click on supply

The screenshot shows the SMART Kungahara web application interface. The left sidebar contains navigation links for REGISTRATION, WET PROCESSING (with 'Farmers' selected), SITE, and GENERAL. The main content area displays statistics for Nkara/Dukundekawa II suppliers: Total Cost (546,391 frw), Owed Amount (197,980 frw), Cherries (2,061 kg), Produced Parchments (13,129 kg), Completion (3,185.1%), and Expected Parchments (412.2 kg). Below this is a table of farmer records:

First name	Last name	National ID	Phone number	Reg number	Action
ABEL	MUNYAKAZI	1194480011747051		BB57889	<input type="button" value="Supply"/>
XXX	MUKANDUTIYE	1194870018189059		BB57945	<input type="button" value="Supply"/>
XXX	BUCYENDUHE	1194980018034084		BB57881	<input type="button" value="Supply"/>
BAHITURUBWA	ANASTASE	1195180018503014		BC83362	<input type="button" value="Supply"/>
YAKOBO	BAMENYIYABO	1195180018508049	250788836368	BB57892	<input type="button" value="Supply"/>
XXX	NSABIMANA	1195680035091074	250788836369	BB58002	<input type="button" value="Supply"/>
XXX	MANIRAFASHA	1196170035416088		BB57888	<input type="button" value="Supply"/>
THARCISSE	NTAKAZARIMARA	1196280050061058		BB57901	<input type="button" value="Supply"/>

At the bottom, there are buttons for First, Previous, Next, and Last.

Record the cherry supply on the Web (2/2)



Select cherries type



Input cherries quantity



Input the unit price per KG
and add to cart



Check the recorded
supply in the bottom list

The screenshot shows the SMART Kungahara web application interface. The left sidebar contains navigation links: REGISTRATION (Organisations selected), WET PROCESSING (Farmers, Parchments, Payments), SITE, Distribute (Manage store selected), INPUT DISTRIBUTION (Progress report), and GENERAL (Settings, Sign out). The main content area has fields for REG number (BB57892), Cherries type (Standard selected), Cherries Qty (kg) (empty), Unit price per Kg (empty), and buttons for add, Owed amount (0), Paid amount (0), and pay. Below these is a table showing recorded supplies:

	CherriesQty (kg)	Unit price	Delivery approval	Paid amount (rwf)	Recorded by	Payment status	Owed amount	Date
(+)	120	200	not approved	0	Joseph Rukundo	not paid	24000	
(+)	50	350	approved	0	Joseph Rukundo	not paid	17500	
(+)	15	200	approved	3000	Joseph Rukundo	full	0	
(+)	567	133	approved	75411	Joseph Rukundo	full	0	
(+)	100	280	approved	0	Joseph Rukundo	not paid	28000	
(+)	78	90	approved	0	Joseph Rukundo	not paid	7020	
(+)	125	200	approved	0	Joseph Rukundo	not paid	25000	

At the bottom, there are buttons for First, Previous, Next, Last, and Back.

Record parchment production

► Select parchment under Farmers menu

► Add record parchment

► Select the coffee type, grade, delivery date , production date , bag size (kg) , number of bags and save

SMART Kungahara

REGISTRATION

Organisations

WET PROCESSING

Farmers

Parchments

O Parchments

Transfer parchments

Transfer history

Payments

SITE

Distribute

Manage store

INPUT DISTRIBUTION

Progress report

Parchment

HONEY WASHED
Grade A 124kg
Grade B 0kg
Grade C 0kg

FULL WASHED
Grade A 10400kg
Grade B 0kg
Grade C 0kg

FULLY WASHED
Grade A 2605kg
Grade B 0kg
Grade C 0kg

Produced 10/7/2020

Released 3/18/2021

from .. to ..

Search Clear

+ Record parchment

Coffee type	Coffee grade	Qty	Lot number	Remaining Qty	Recorded
Full washed	A	200	210317/PFW/1015	200	Mar 17, 2021
Full washed	A	100	210317/PFW/1015	100	Mar 17, 2021
Full washed					

Record parchments

Coffee type * Grade * Delivery date * Production date *

Bag size (kg) * Number of bags * Lot kgs *

0 + Package Remove Save Cancel

Coffee type	Grade	Delivery date	Production date
Full washed	A		3/18/2021

Check the supply and production BI report (1/2)

- ▶ Select supplying farmers
- ▶ View status : All, fully paid, partial paid, unpaid, unapproved delivery, unapproved payment
- ▶ Click on ... to view the supplying record details
- ▶ Click on Export to generate a detailed report in excel format

The screenshot shows a web-based BI report for supply and production. On the left, a sidebar menu includes options like Farmers, Parchments, Payments, SITE, Distribute, Manage store, INPUT DISTRIBUTION, Progress report, GENERAL, and Settings. The main area displays various metrics and a list of farmers.

Metric Summary:

- TOTAL COST:** 546,391 frw
- OWED AMOUNT:** 197,980 frw
- CHERRIES:** 2,061 kg
- PRODUCED PARCHMENTS:** 13,141 kg
- EXPECTED PARCHMENTS:** ▲ 3,188 % Completion (412.2 kg)

Status Filter: A dropdown menu titled "Status" is open, showing options: All (selected), Fully paid, Partial paid, Unpaid, Unapproved delivery, and Unapproved payment.

Farmer List: The table lists farmers with their last name, National ID, phone number, and registration number (Reg number). Each row includes a "Supply" button.

Last name	National ID	Phone number	Reg number
MUNYAKAZI	1194480011747051	BB57889	<input type="button" value="Supply"/>
ANASTASE	1195180018503014	BC83362	<input type="button" value="Supply"/>
NTAKAZARIMARA	1196280050061058	BB57901	<input type="button" value="Supply"/>
BU...			<input type="button" value="Supply"/>

Supply Record Details: An expanded view for a specific farmer (REG number: bb57892) shows a table of supply entries.

CherriesQty (kg)	Unit price	Delivery approval	Paid amount (rwf)	Recorded by	Payment status	Owed amount	Date
+ 15	200	approved	3000	Joseph Rukundo	full	0	Feb 12, 2021
+ 567	133	approved	75411	Joseph Rukundo	full	0	Feb 12, 2021

Showing 1 to 2 of 2 entries

Check the supply and production BI report (2/2)

► Click on Parchment to view the parchments records

Parchment

HONEY WASHED
Grade A 124kg
Grade B 0kg
Grade C 0kg

FULL WASHED
Grade A 10412kg
Grade B 0kg
Grade C 0kg

FULLY WASHED
Grade A 2605kg
Grade B 0kg
Grade C 0kg

Full wasl **select gr** **Produced** **10/7/2020** **Released** **3/18/2021** **from ..** **to ..** **Search** **Clear** **+ Record parchment**

Coffee grade	Qty	Lot number	Remaining Qty	Recorded
A	12	210318/PFW/1015	12	Mar 18, 2021
A	200	210317/PFW/1015	200	Mar 17, 2021
A	100	210317/PFW/1015	100	Mar 17, 2021
A	50	210317/PFW/1015	50	Mar 17, 2021
A	30	210317/PFW/1015	30	Mar 17, 2021
A	20	210323/PFW/1015	20	Mar 16, 2021
A	10000	210315/PFW/1015	10000	Mar 15, 2021
A	100	210223/PHW/1015	100	Feb 25, 2021
A	24	210223/PHW/1015	24	Feb 25, 2021
A	450	210104/PFW/1015	450	Jan 21, 2021
A	15	210115/PFW/1015	15	Jan 18, 2021
A	15	210116/PFW/1015	15	Jan 18, 2021

select type

- Full washed
- Honey washed
- Natural washed
- Natural washed
- Semi washed
- Fully Washed
- Gakondo nziza
- Honey washed
- Honey washed
- Fully Washed
- Fully Washed
- Fully Washed

SMART Kungahara

REGISTRATION

Organisations

WET PROCESSING

Farmers

- Farmers
- Supplying farmers
- Temporary farmers

Parchments

Status

Payments

SITE

Distribute

Manage store

INPUT DISTRIBUTION

Progress report

GENERAL

Nkara/Dukundekawa II >>

546,391 frw TOTAL COST

Show 25 entries

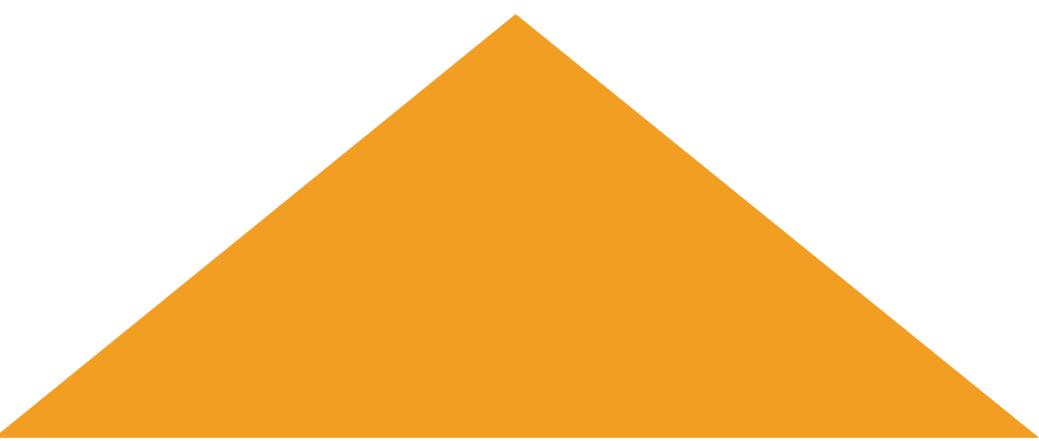
First name

ABEL

BAHITURUBWA

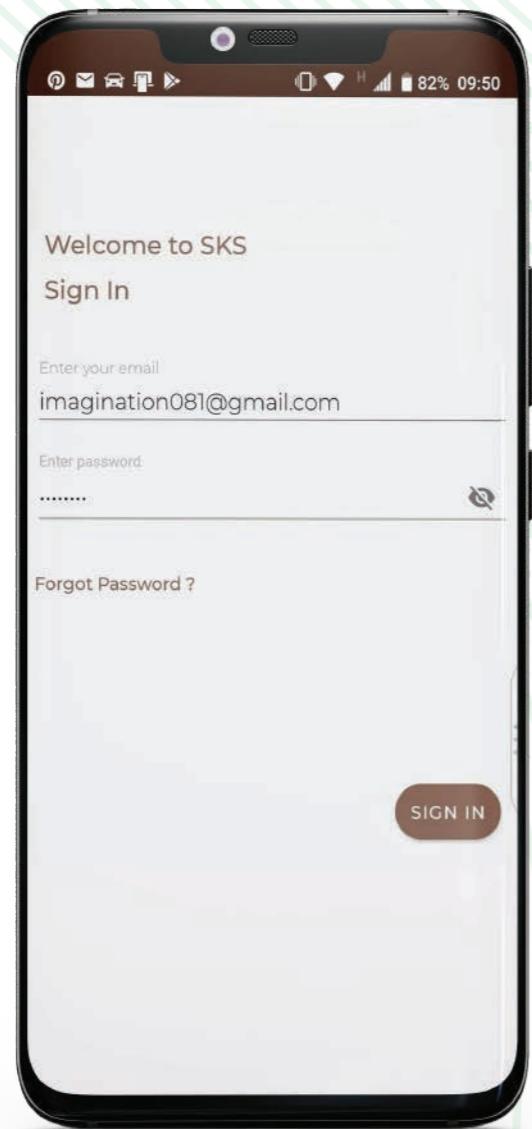
THARCISSE

Cherry supply process on Android application platform



SKS Coffee APP Login

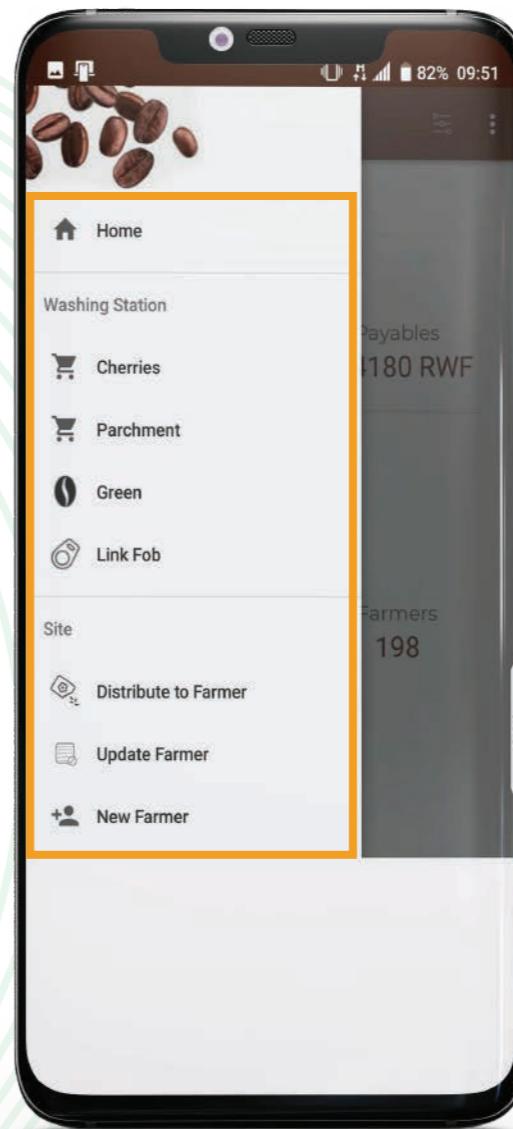
► Open SKS coffee input username and password



► View Homepage and select menu

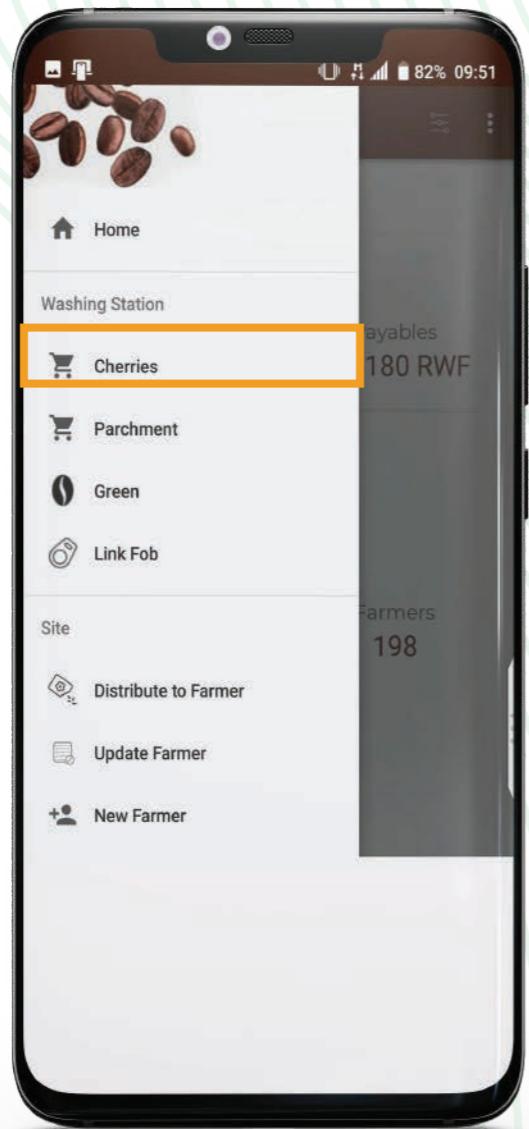


► View Menu

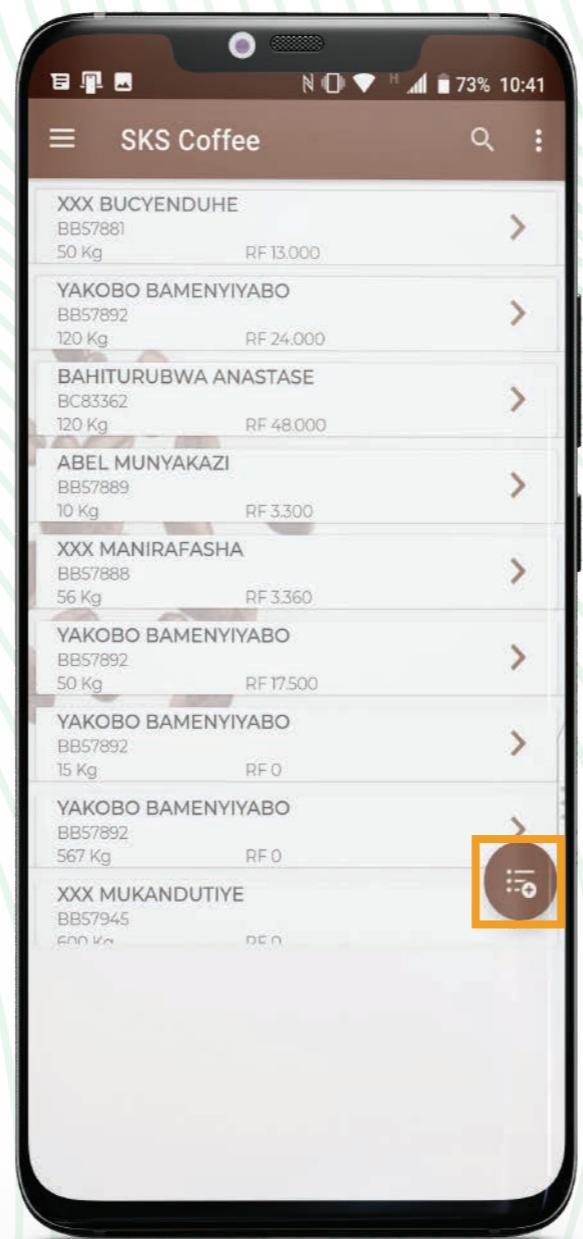


Cherry supply record

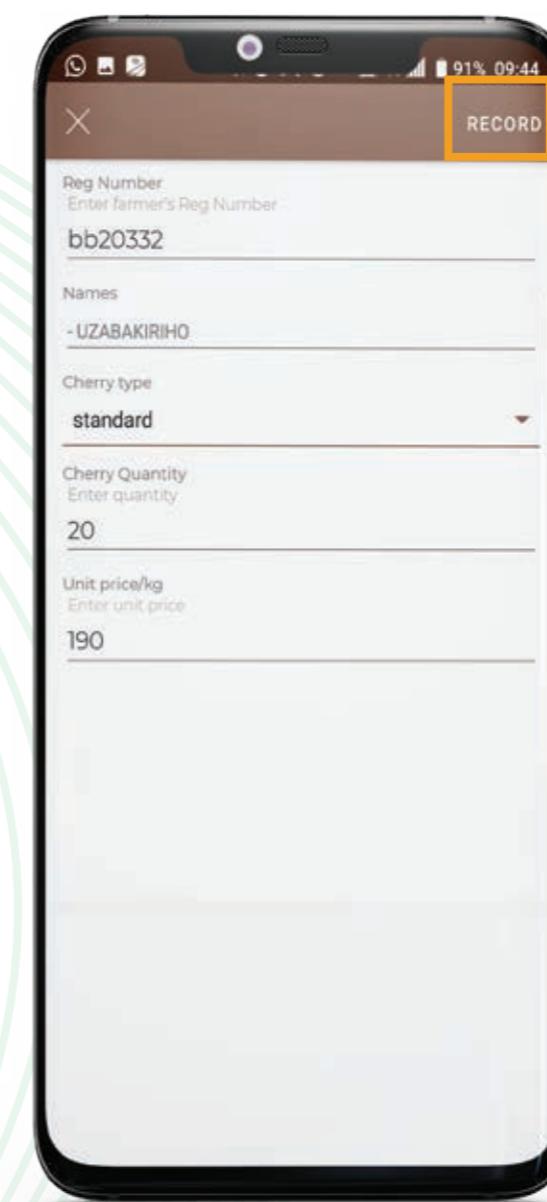
► Click on Cherries



► Add new cherry supply record

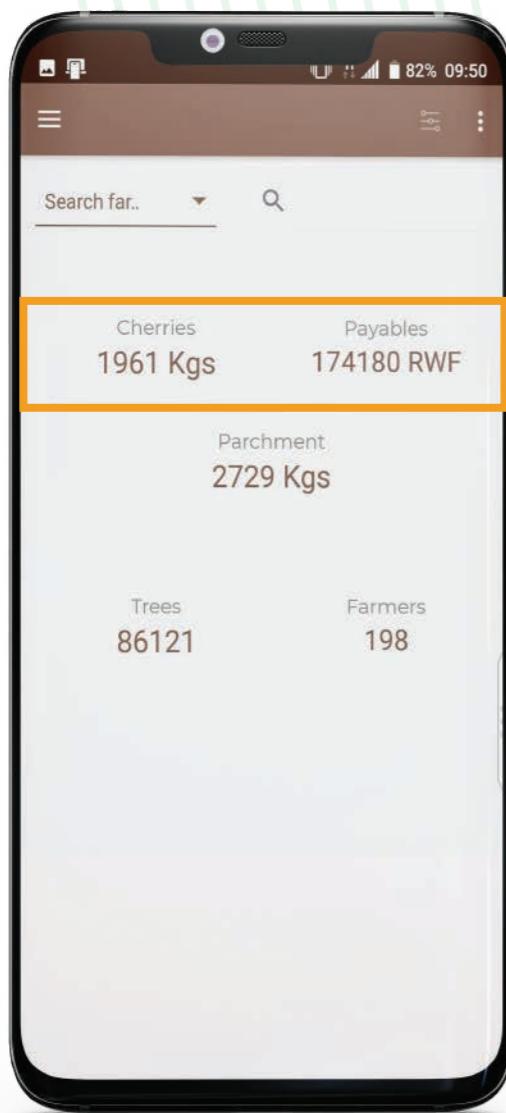


► Record new cherry supply

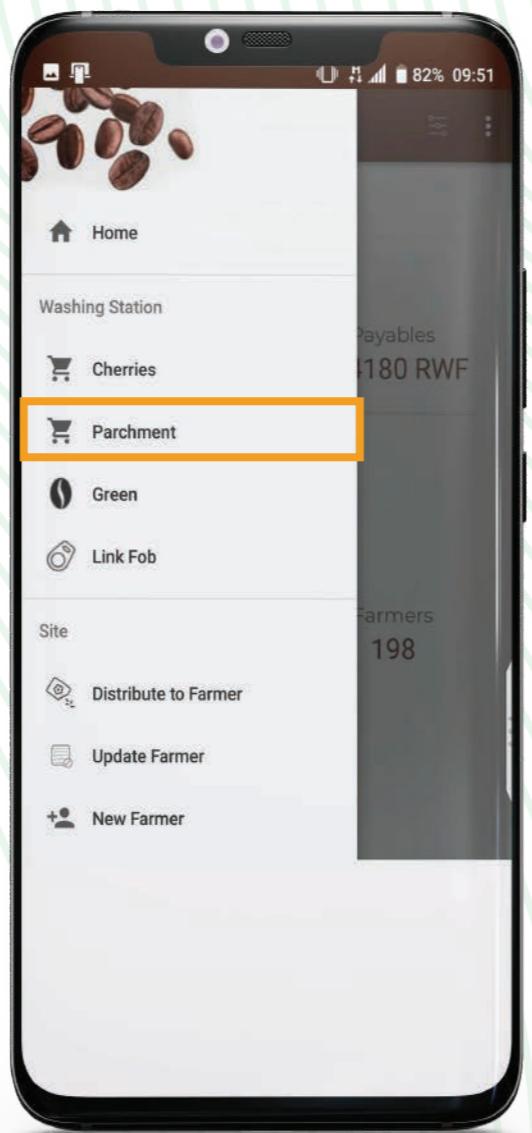


Parchment production record

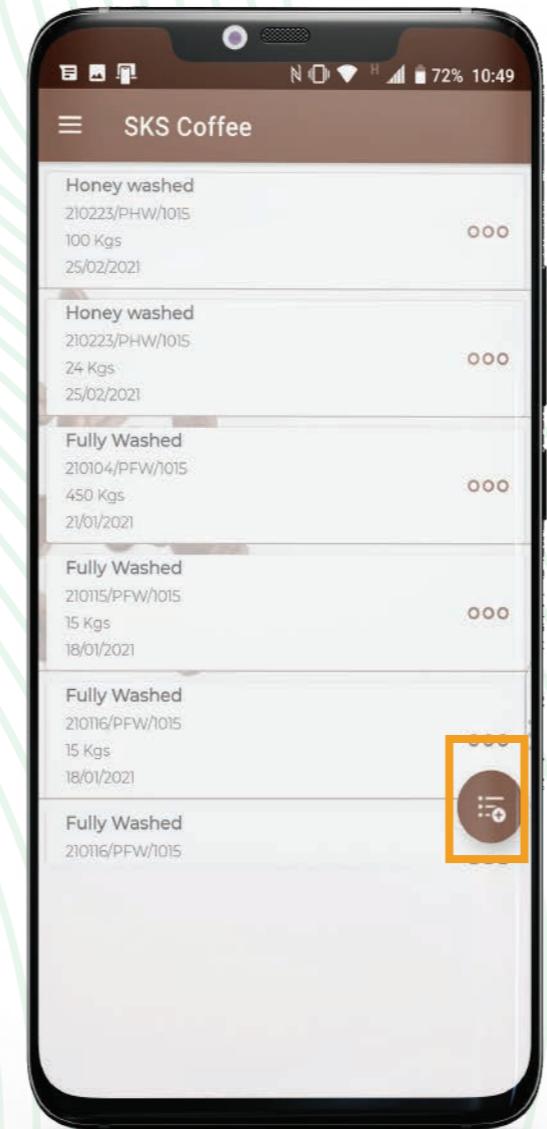
► View the CWS sales status



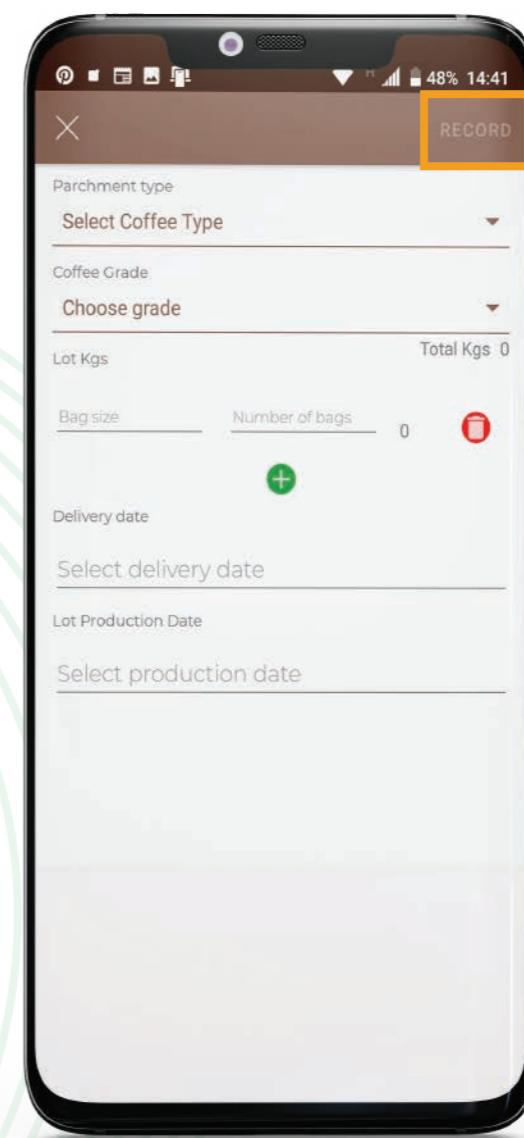
► Click on Parchment



► Add new parchment record



► Record new parchment production

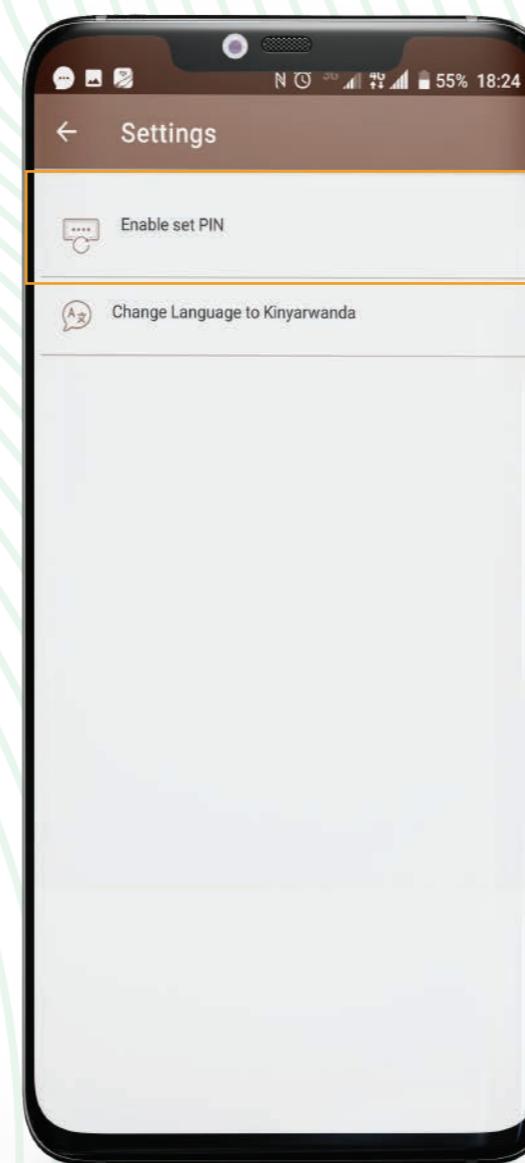


Enable PIN reset

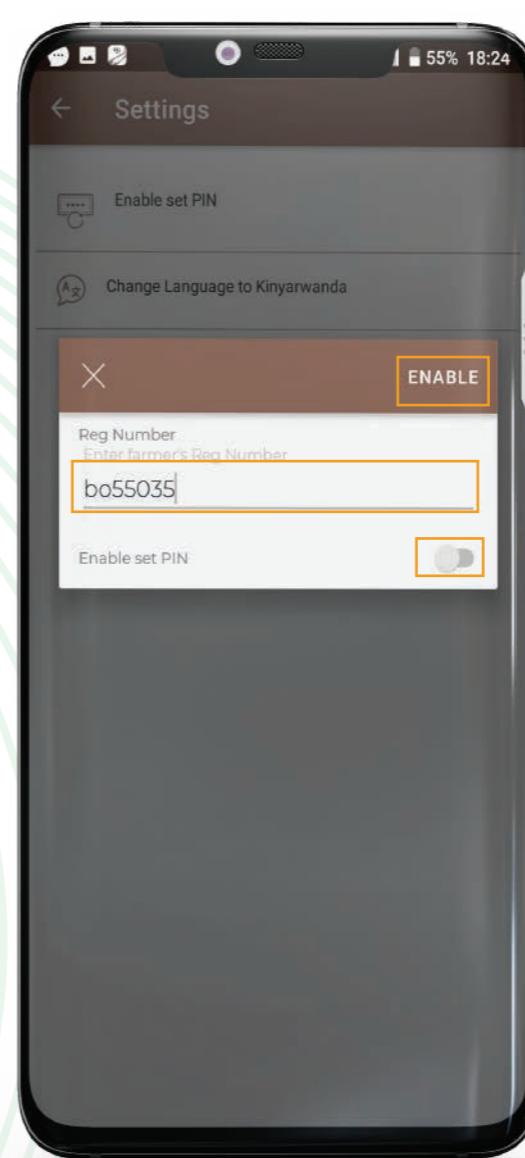
► Click on settings
(highlighted icon)



► Click on
Enable set PIN



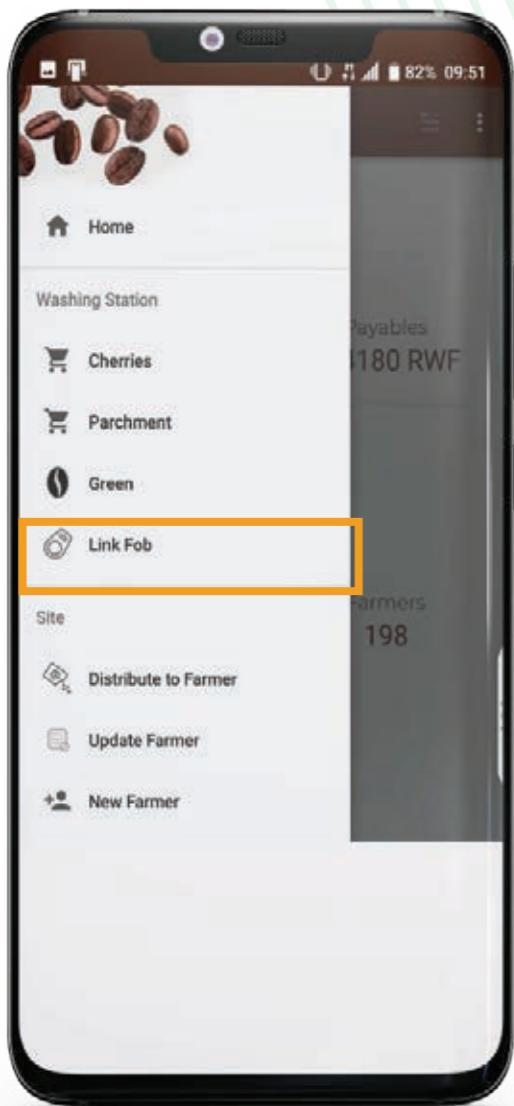
► Enter REG number
and enable set PIN



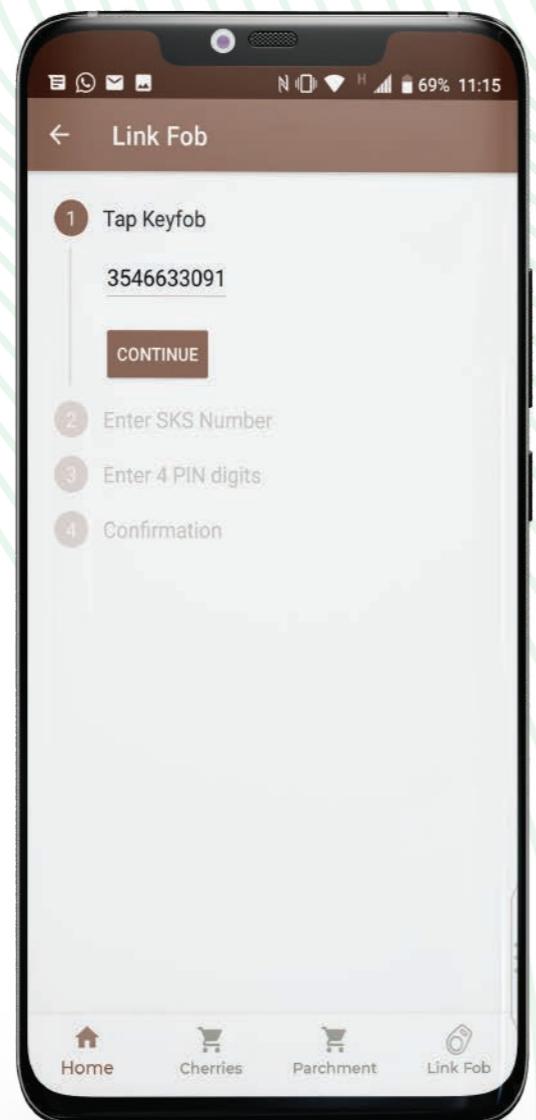
► click enable

Register new key fob

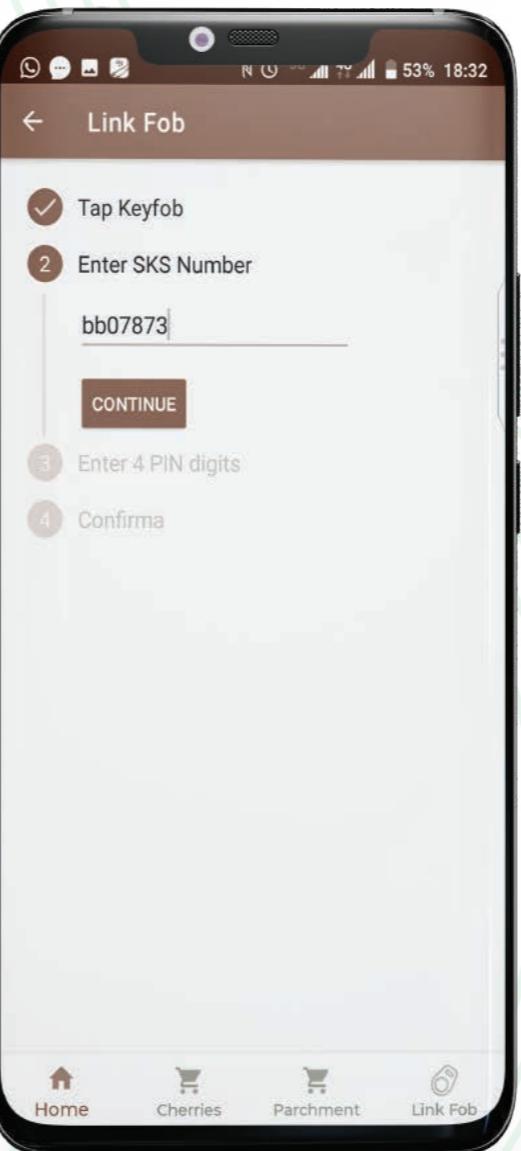
► Select link fob



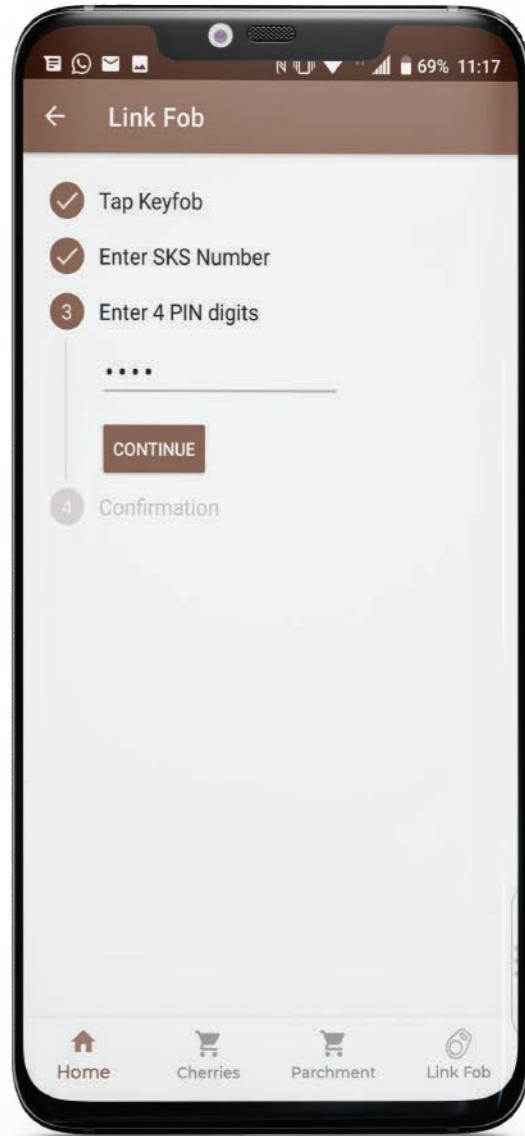
► Tap the fob and continue



► Enter REG number

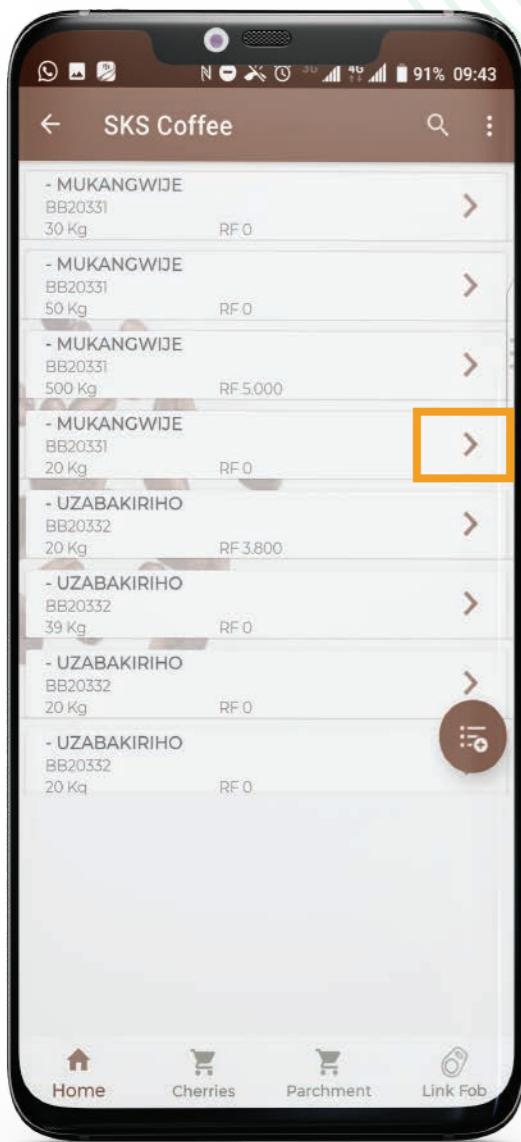


► Enter PIN and confirm data

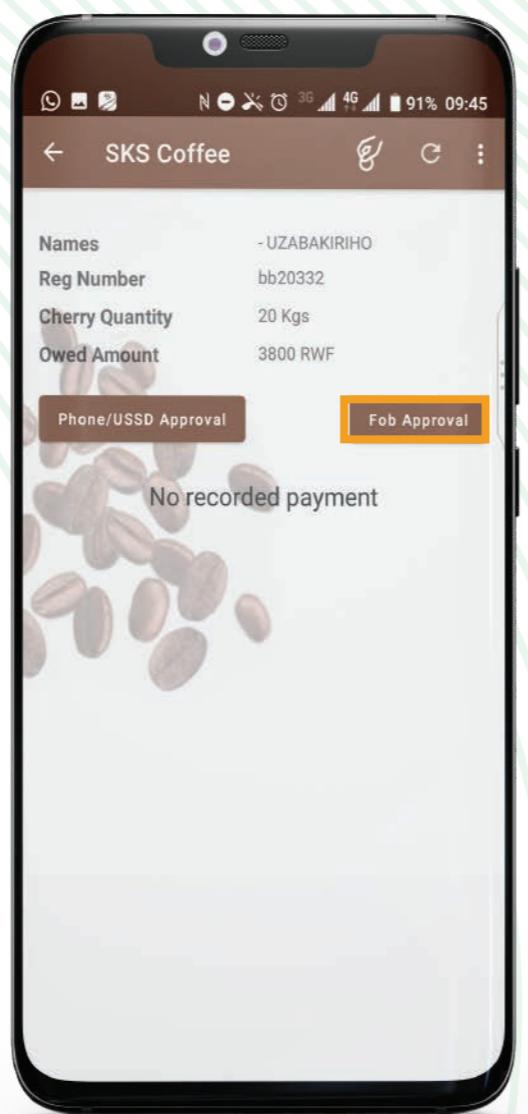


Farmer delivery approval_ with Key Fob

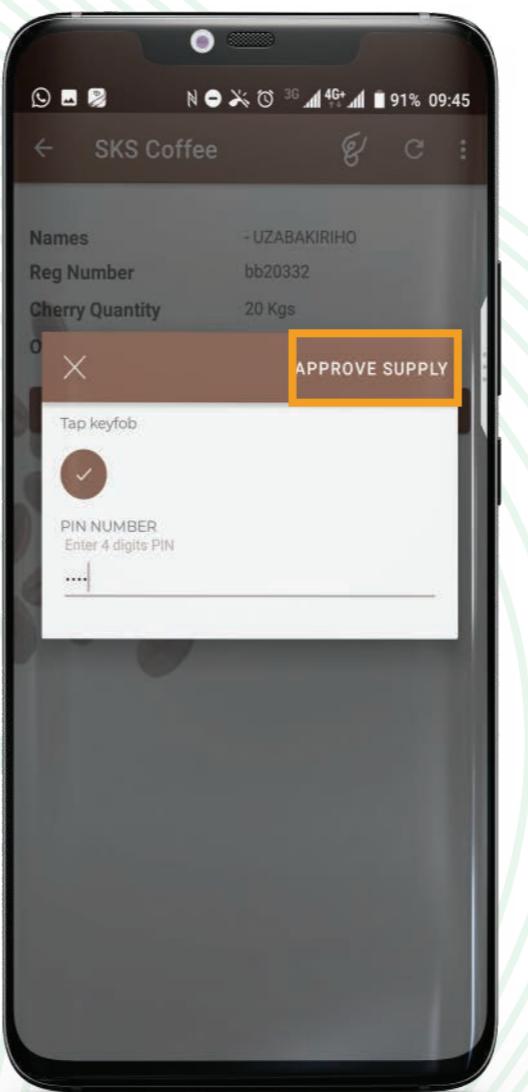
► Select the delivery to be paid



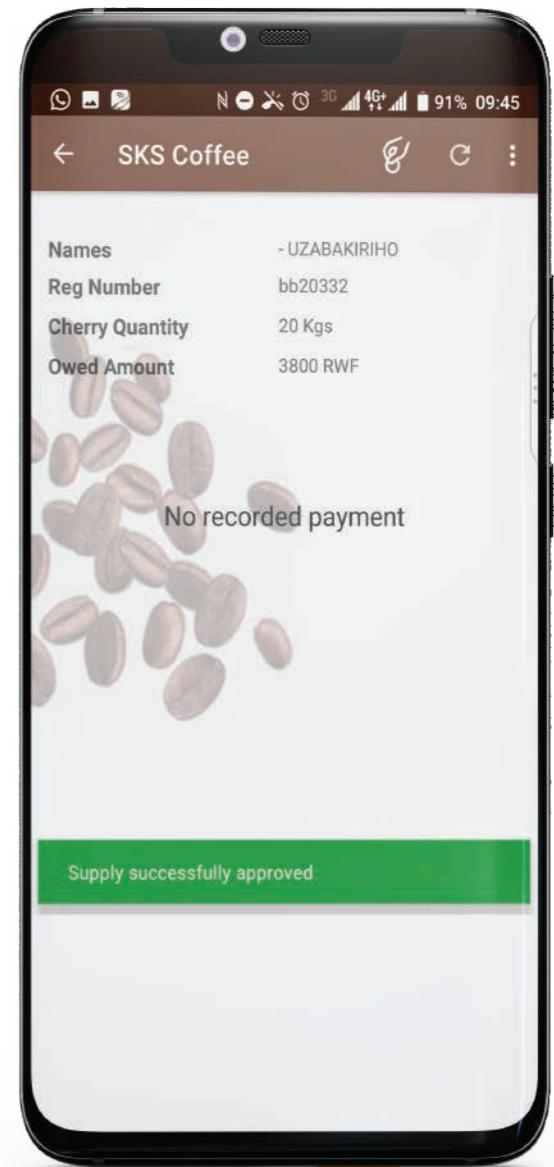
► Select the approval model "FOB approval"



► Tap key fob and enter PIN , then approve supply

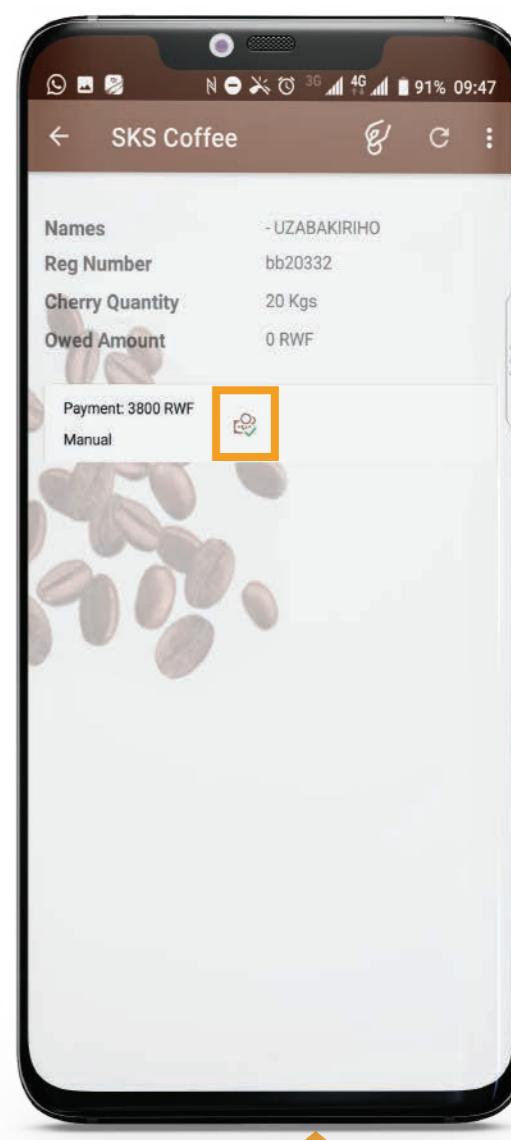
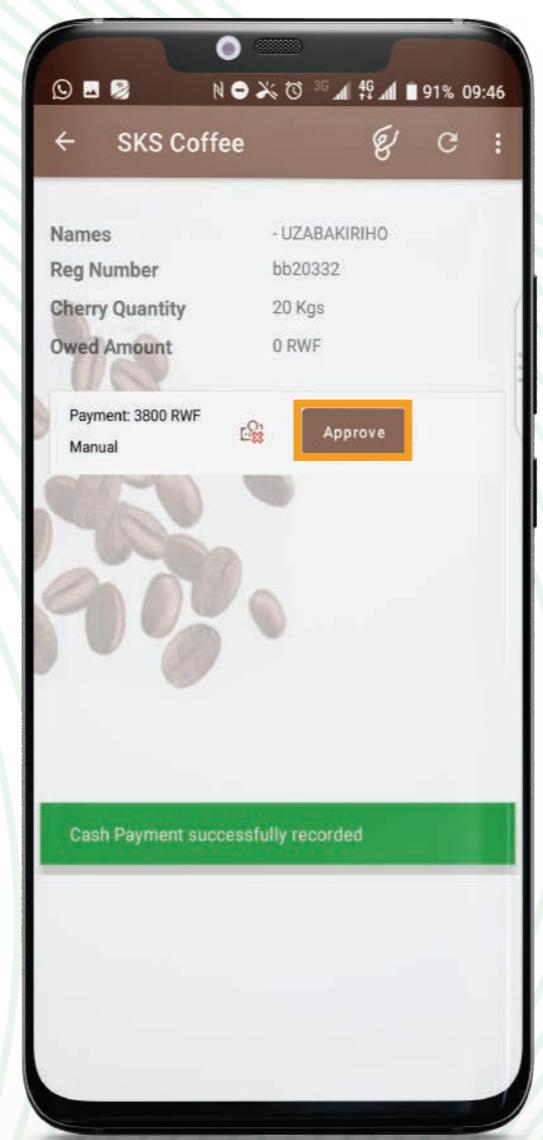
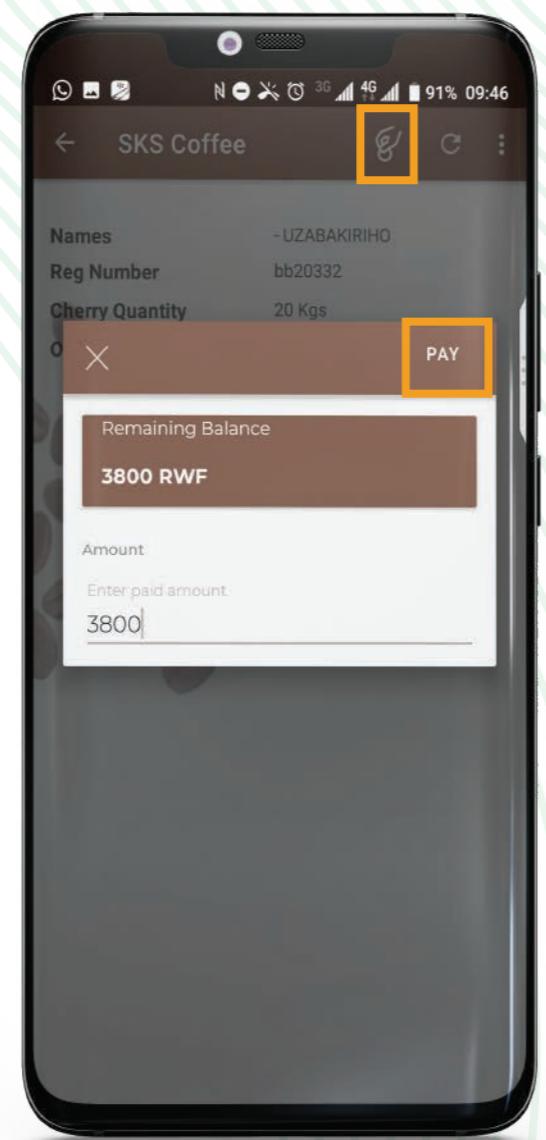
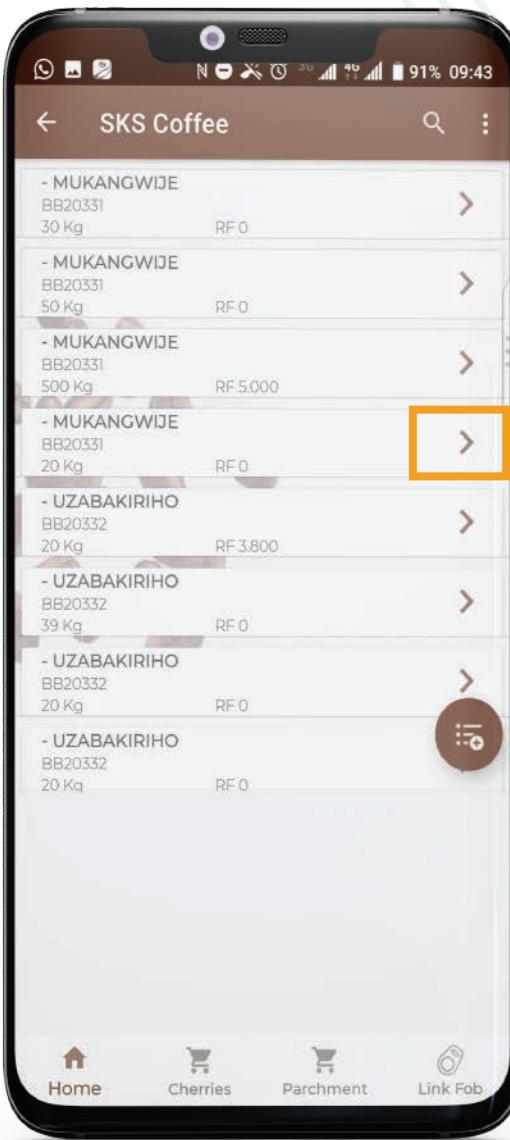


► Cherry supply is successfully approved by farmer



Cherry delivery payment and approval_ with Key Fob

- ▶ Select the delivery to be paid and click on highlighted coin
- ▶ Input the amount to be paid and pay
- ▶ The cash payment is successful and waiting to be approved
- ▶ Cherry supply is successfully approved





**Cherry delivery ap-
proval process on USSD
platform *774#**

Cherry collection via ussd*774#

Hitamo serivise
1. RAB (Nkunganire)
2. NAEB

0. Subira inyuma

CANCEL SEND

Hitamo igikorwa
1. Kwinjira
2. Reba nomero Ikuranga
3. Guhindura umubare banga

0. Subira inyuma

CANCEL SEND

Andika numero ikuranga

0. Subira inyuma

bb07879

CANCEL SEND

Andika umubare banga wawe

0. Subira inyuma

CANCEL SEND

Ikaze COLLECTOR, Hitamo igikorwa
1. Kwakira ibitubwe
2. Gukosora ibyinjiwe

0. Subira inyuma

CANCEL SEND

Ikaze COLLECTOR,
Indika numero y'umuhinzi

0. Subira inyuma

bb08236

CANCEL SEND

Hitamo ubwoko bw'ibitumbwe
1. bizima
2. bireremba

0. Subira inyuma

CANCEL SEND

Andika ingano y'ibitumbwe bizima mu biro

0. Subira inyuma

80

CANCEL SEND

Andika igiciro ku kilo cy'ibitumbwe
STANDARD

0. Subira inyuma

190

CANCEL SEND

Kwakira ibitumbwe STANDARD ibiro 80
byakunze neza bigurishijwe na BB08236

OK

Farmer reset pin

Urakaza neza, hitamo ururimi - Bienvenue,
Choisissez la langue - Welcome, Choose
language
1. Ikinyarwanda
2. English
3. Francais

CANCEL SEND

Hitamo serivise
1. RAB (Nkunganire)
2. NAEB
0. Subira inyuma

CANCEL SEND

Hitamo igikorwa
1. Kwinjira
2. Reba nomero Ikuranga
3. Guhindura umubare banga
0. Subira inyuma

CANCEL SEND

Andika nomero ikuranga
0. Subira inyuma
bb08236

CANCEL SEND

Kora umubare banga uzajya ukoresha muri
Kungahara (imibare 4)
0. Subira inyuma

CANCEL SEND

Umubare wibanga wawe wakiriwe neza,
musubire inyuma muhitemo kwinjira

OK

Cherry delivery approval

Hitamo serivise
1. RAB (Nkunganire)
2. NAEB

0. Subira inyuma

CANCEL SEND

Hitamo igikorwa

1. Kwinjira
2. Reba nomero Ikuranga
3. Guhindura umubare banga

0. Subira inyuma

CANCEL SEND

Andika umubare banga wawe

0. Subira inyuma

CANCEL SEND

NAMBAJIMANA! Hitamo
1.Emeza ku byagurishijwe
2. Emeza ubwishiurwe
3. Rapor ngufi
4. Inyongeramusaruro
0. Subira inyuma

CANCEL SEND

Hitamo

1. 80Kgs - 15200 Frw.
0. Subira inyuma

CANCEL SEND

Kwemeza 15200 Kgs by'ibitubwe
byagurishije kuwa byagenze neza
Murakoze

OK

Cherry payment approval

Hitamo serivise
1. RAB (Nkunganire)
2. NAEB

0. Subira inyuma

CANCEL SEND

Hitamo igikorwa
1. Kwinjira
2. Reba nomero Ikuranga
3. Guhindura umubare banga

0. Subira inyuma

CANCEL SEND

Andika nomero ikuranga

0. Subira inyuma

bb08236

CANCEL SEND

Andika umubare banga wawe

0. Subira inyuma

CANCEL SEND

NAMBAJIMANA! Hitamo
1.Emeza ku byaqurishijwe
2. Emeza ubwisyurwe
3. Raporu ngufi
4. Inyongeramusaruro
0. Subira inyuma

CANCEL SEND

Hitamo
1. 80Kgs - 15200 Frw.
0. Subira inyuma

CANCEL SEND

Ese uremeza ko wishyuwe amafaranga
15200 FRW?

1. Emeza
0. Subira inyuma

CANCEL SEND

Kwemeza ko wishyuwe amafaranga 15200
ku biro 80 byititumbwe byakunze neza.
bagusigayemo 0 Frw.



The background features a subtle, abstract design. It consists of a series of thin, light green curved lines that radiate from the top left corner towards the bottom right, creating a sense of motion and depth. In the bottom right corner, there is a solid, bright orange triangular shape pointing upwards.

THANK YOU