

TENDER FOR PROCUREMENT OF PLANT, DESIGN, SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF MARIAKANI-DONGO KUNDU 220KV TRANSMISSION LINE AND ASSOCIATED SUBSATION.

MINUTES OF PRE-BID MEETING

Date: 30th January 2024

Meeting Venue: KETRACO KAWI Complex Block B

Time: 1000hrs-1100hrs

Attendees: For list of attendees please refer Annex 2

Agenda:

- .1. Introduction
- .2. Project Overview
- .3. Questions and Answers
- .4. AOB

List of Annexes:

Annex 1 Project Overview Presentation

Annex 2_ List of Attendees

Item	Details of Discussion
1.0	Introduction 10.00 am - The meeting kicked off at 10:00hrs. KETRACO Project Manager; Eng. Lorena Simba officially welcomed the attendees. Interested Bidders were informed to register in the attendance list. Attendees were informed that all communication with regards to this tender (clarifications, Addendum or MoM for pre-bid meeting) will be shared using the registered contacts and also uploaded in KETRACO's website.
2.0	Project Overview 10:05 am - The consultant (JV Nippon Koei LTD & NEW JEC Inc.) was invited to do a presentation on the overall project overview. This was done by Mr. Erick Otido (Assistant Project Manager). Power point presentation is attached as Annex 1.

3.0 Questions and Answers (Qns & Ans)

10:20 am – Bidders were requested to raise any queries and they are as follows;

A. Bid security:

Qns: Can a bidder present bid security through a foreign bank and in another currency equivalent to KES. 70 million.

Ans: Bidders were informed that the current requirements stipulated in the bidding documents stands. Further clarification can be requested through official request in writing.

B. NCA registration requirements.

Qns: What are the requirements for registration as a foreign contractor (NCA 1) with NCA.

Ans: The National Construction Authority (NCA), constituted under the Act No. 41 of 2011, is mandated to register contractors and to keep a register of builders cleared to work in Kenya. Bidders were informed that they can get requirements for registration by NCA in their official website or their offices.

C. Clarification on the layout and scope of 33kV Distribution line.

Ans: The 33kV Distribution Line is an underground distribution system forming ring circuits with Ring Main units. The layout, scope of works and specifications of the distribution line is included in the bidding documents.

D. Eligibility

Qns: On the financial records of main company and affiliates; whether the records of the affiliated company will be considered.

Ans: Bidders were informed that records should be provided to indicate evidence of relationship with the affiliated company(ies).

E. Clarification on payment terms

Qns: Payment terms for the contract:

Ans: Bidders were advised to refer to clause 14 of the FIDIC General Conditions.

F. Status of RAP & EIA

Ons: Progress on acquisition of way-leave and substation land?

Ans: -Bidders were informed that the process is currently on-going.

-RAP report will be disclosed soon.

-NEMA license has already been issued.



G. Response of clarifications.

Qns: Bidders requested that clarification responses be given with haste; requested if they can get within ten days.

Ans: Clarifications will be prepared and shared as soon as possible via mail and uploaded in KETRACO's website.

4.0 AOB

Bidders were informed of the scheduled site visit on 1st of February 2024.

Bidders will meet at Mariakani 400/200kV substation at 0900hrs and the site visit is scheduled to take 1 day.

There being no other business, the meeting was officially closed at 1100hrs.

SIGNATURE:	
For KETRACo :	
& So!	Date 5/2/2024
FW (-05)	Date
ENG. LORENA SIMBA	
THE DANGE OF THE PARTY OF THE P	
For JV Nippon Koei LTD & NEW JEC Inc.:	
1.1	. !
第三十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二	Date 5 728., 2014.
Atth SIGNI	
AKIB NOK!	

Mombasa Special Economic Zone Development Project _ Electricity Sub-project

Mariakani – Dongo Kundu 220kV Transmission Line and Associated Substations

30.01.2024

Mombasa Special Economic Zone Development Project. Electricity Sub-project



	Description	Date
	Issue Date:	9 th January 2024
	Pre-Bid Conference	30 th January 2024
	Site Visit	1 st February 2024
	Last Day of Requesting Clarification	26 th March 2024
	Bid Submission Date	9 th April 2024
	Public Bid Opening	9 th April 2024
	Bid Validity Period	180 Days
1	Validity of Bid Security	28 days beyond the original validity period of the Bid, or beyond any period of extension
V		

Project Background

The Government of Kenya (GOK) prepared the Kenya Vision 2030 policy blueprint which among other things, aims at bringing about new industrialisation and transforming Kenya into a middle-income country.

The development of Special Economic Zones (SEZs) in the Kenyan towns of Mombasa, Kisumu, and Lamu were proposed as one of the core instruments for the realisation of the Kenya Vision 2030 with the Mombasa SEZ, proposed as one of the flagship projects under this strategic vision.

The GOK has in turn requested the Government of Japan (GOJ) to facilitate support in formulating a Master Plan for the SEZ development in Mombasa. In response, the GOJ assented to the request has thus facilitated support for the formulation of the Master Plan for the SEZ development in Mombasa with the 'Record of Discussion (RD) signed between Japan International Cooperation Agency (JICA) and GOK in November 2013

Mombasa Special Economic Zone Development Project, Electricity Sub-project

- 220/33KV SEZ Substation to be equipment with 2 x 75MVA
 Transformer and Double Circuit Transmission Line receiving power from Mariakani Substation.
- The 220KV Switchgear to be an air-insulated switchgear (AIS) and 33kV GIS switchboard will be installed to supply power to the tenants and associated civil works.
- Extension of 220kV Bay in Mariakani substation and associated civil works.
- 33kV Underground Distribution Line with Ring Main Unit (RMU).

Mombasa Special Economic Zone Development Project. Electricity Sub-project

Scope Description

- Engineering studies, design, overall construction management, training of KETRACo personnel
- Manufacturing, factory testing, transportation, delivery to site, unloading and storage.
- Installation works, commissioning, acceptance testing and handover and warranties,
- Dismantling and disposal of surplus materials, and all temporary works;
- Supply of spare parts, instruction manuals, training and operational manuals,
 - Supply of as-built documentation and drawings,
 - Supply of special handling, testing and maintenance equipment;

Mombasa Special Economic Zone Development Project. Electricity Sub-project

220kV Transmission Line Scope:

Construction of 220kV, double circuit, LL-ACSR 620mm² (equiv. Canary) single conductor per phase, Three Phase Transmission Line between Mariakani and Dongo Kundu, length 51km with OPGW 48 fiber cores, earth conductor (ACS) 58.6mm², bird diverter.

Bird Diverter

Life expectancy of proposed Bird Diverter shall be not less than 15 years.



Transmission Line Route

Mombasa Special Economic Zone Development Project, Electricity Sub-project

8

Transmission Line Scope:

- Design
- Supply
- Insurance
- Shipment to a tropical climate
- Unloading
- Clearing for and provision of access roads where necessary
- Site survey
- Profile survey
- Setting to work
- Access Roads

- Soil investigation
- Plotting of support positions & pegging out
- Manufacture
- Testing
- · Packing for export
- · Delivery to the site
- Complete erection (tower foundations, towers, conductor stringing)
- Defect liability for a period of 12 calendar months

Mombasa Special Economic Zone Development Project, Electricity Sub-project

220kV Substations Scope:

Construction of a new 220/33kV Substation at **Dongo Kundu**, which consists of (but not limited to):

- 220kV air insulated switchgear with two (2) "breaker-and-athird" diameters, 2,000A, 40kA at 1 sec
- 36kV SF6 gas insulated switchgear, with single busbar, bus section, 3,000A, 31.5kA at 1 sec.
- 220/33kV transformer, 75MVA (2 units)
- 36kV breaker switch capacitor
 (9MVar x 4 banks) Mombood Special Economic Zone Development Project. Electricity Sub-project

- Control, Protection & Metering, Substation Automation System
- · LVAC, DC power supply
- Telecommunication system
- SCADA, EMS database modification at Rabai RCC
- Civil & building works, CCTV, Transformer Firefighting, Manually Operated Gate, Outdoor Lighting

10

220kV Substations Scope:

Extension at 400/220kV **Mariakani Substation**, which consists of (but not limited to);

- 4th "breaker-and-a-third" diameter.
- Modification of SAS, Busbar protection.
- Modification of Telecommunication, SCADA, EMS data base at Rabai RCC.
- Control, Protection & Metering.

33kV Distribution Network Scope:

- 33kV underground cable line, XLPE, 3c x 300mm2 Aluminium with underground fibre optic cable and RMU (4 units), Remote Control Centre, total route length 15.5km.
 - Design
 - Manufacture
 - Site Survey
 - Inspection and Testing
 - ·/ Supply
 - Insurance
 - Packing for export
 - Shipment
 - Clearing from port
 - Delivery to the site

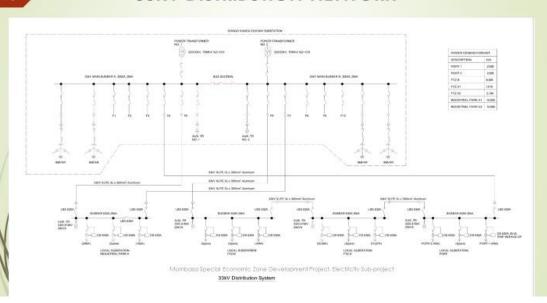
- Complete erection (equipment foundations, indoor and outdoor equipment, UG Cable installation)
- Unloading
- · Finishing & painting
- · Site testing and commissioning
- Civil works
- Training
- Defect liability for a period of 12 calendar months

Mambasa Special Economic Zone Development Project, Electricity Sub-project

SINGLE LINE DIAGRAM OF 220/33kV SUBSTATION Membool Special Economic Zone Development Project. Electhicity Sub-project



33KV DISTRIBUTION NETWORK



14

Bidding Document

JICA STANDARD

Based on:

DOCUMENT
UNDER JAPANESE
ODA LOANS
PROCUREMENT
OF DESIGN BUILD
PLANT AND
WORKS May
2021 Version 1.2

Single Stage Two Envelope Bidding

Bid should comprise of two envelopes submitted simultaneously.

- One envelope containing Technical Bid.
- The other envelope containing Price Bid.

Both envelopes enclosed together in an outer single envelope.

Mombasa Special Economic Zone Development Project, Electricity Sub-project

General Conditions

FIDIC Conditions of Contract for Plant and Design Build for Electrical and Mechanical Plant, and for Building and Engineering Works, Designed by the Contractor

First edition, 1999

Particular Conditions

Based on:

PARTICULAR CONDITIONS included in JICA STANDARD BIDDING DOCUMENT UNDER JAPANESE ODA LOANS PROCUREMENT OF DESIGN BUILD PLANT AND WORKS, May 2021 and

Contract Data compiled by KETRACO

Mambasa Special Economic Zone Development Project. Electricity Sub-project

14

Technical Bid

Technical Bid shall include (duly completed / filled, where necessary) as per ITB 11.2

Price Bid

Price Bid shall include the following documents of Volume I of VII of the Bidding Document, duly completed / filled. ITB 11.3

Mombosa Special Economic Zone Development Project, Electricity Sub-project

Bid Submission

Deadline for bid submission:

Date: 9th April 2024 Time: 10.00 hrs

Bid submission:

Attention: Senior Manager, Supply Chain, Kenya Electricity Transmission Company Ltd.

Address: Kawi Complex, Block B, Off Popo Road, Off Red Cross Road, South C Supply Chain Offices, 2nd Floor P.O. Box 34942 – 00100 Nairobi, Kenya

Technical Bid Opening

Date: 9th April 2024 Time: 10.00 hrs

At: KETRACO Supply Chain Offices, 2nd Floor, Kawi Complex, Block B, Off Popo Road, Off Red Cross Road, South C

Mambasa Special Economic Zone Development Project, Electricity Sub-project

18 Clarifications

- Clarifications required may be raised at this pre-bid meeting.
- Any other clarifications required should be raised in writing no later than 14 days prior to the deadline for submission of bids.
- Employer's response will be sent to all the participants (of prospective bidders).
- Minutes of the pre-bid meeting will be sent to all the participants (of prospective bidders).

Mambasa Special Economic Zone Development Project, Electricity Sub-project

- Bid validity shall be not less than 180 days.
- Written confirmation of authorization to sign on behalf of the Bidder shall consist of Power of Attorney and necessary acceptable documentary proof shall be submitted.
- Prices may be quoted in Japanese Yen and/or US Dollars and Kenyan Shillings only.
- In addition to the original Bid, four (4) physical copies to be submitted.
- Digital copies are also to be provided by the Bidder. Scanned PDFs as well as editable versions of price schedules in Excel and data sheets in Word to be submitted.
- In case of conflict, the original physical Bid shall take precedence.

20

Bid Security

- Kenya Shillings Seventy Million (Kshs 70 Million).
- An unconditional bank guarantee issued by a bank licensed and categorised as a 'large bank' by the Central Bank of Kenya.
- A cashier's or certified cheque is not acceptable.
- A letter of credit is not acceptable.

- There should be an existing JV agreement among the entities at the time of submission of the Bid
- There should be a Letter of Intent to enter into such an agreement among the entities.
- A copy of the JV agreement or the letter of intend should be submitted along with the Bid.

Mombasa Special Economic Zone Development Project. Electricity Sub-project

22 Transmission Line Quantities

- Quantities indicated in the Schedules are estimated values only.
- Unit Rates are to be indicated for all the items including those where quantity is zero or not indicated.
- Transmission Line: Number of towers of each tower type and number of tower foundations of each foundation type to be actually constructed at site may vary from the quantities indicated in the Bidding Document

Mombasa Special Economic Zone Development Project. Electricity Sub-project

23

Price Schedules

- Price schedules do not generally give a full description of the plant and equipment to be supplied and the services to be performed under each item.
- Bidder shall read the Employer's Requirements and other sections of the bidding documents and review the Drawings to ascertain the full scope of the requirements included in each item prior to filling in the rates and prices.
- The entered rate and prices shall be deemed to include for the full scope as aforesaid including overheads and profit.
- For each item, bidder shall complete each appropriate column in the respective schedule
- Prices given in the schedules against each item shall be for the scope covered by that item as detailed in the Employer's Requirements, Drawings or elsewhere in the bidding document.

Mombasa Special Economic Zone Development Project, Electricity Sub-project

24

Total Price

- The TOTAL for each schedule and TOTAL of the Grand Summary shall be deemed to be the Total Price for executing the facilities and sections thereof in accordance with the Contract.
- Items left blank by the Bidders will be deemed to have been included in other items.

Mambasa Special Economic Zone Development Project, Electricity Sub-project

Contract Price Adjustment

Prices quoted by the Bidder for Plant & Equipment including Spare Parts shall be adjusted based on price index proposed.

Mambasa Special Economic Zone Development Project, Electricity Sub-project

26

Taxes, Duties etc.

The following tax exemptions will be applicable.

- Import declaration fee.
- Customs duties.
- The Railway Development Levy.
- The Value Added Tax (VAT).
- All income taxes including withholding tax for Japanese consultant/contractor(s) for JICA ODA Loan project will be exempted**.

Mombasa Special Economic Zone Development Project, Electricity Sub-project

Construction of temporary access roads to transmission line route is the responsibility of Contractor.

Employer will give assistance to the Contractor for negotiation with relevant authorities / parties when necessary.

Mambasa Special Economic Zone Development Project, Electricity Sub-project

28

SOCIAL & ENVIRONMENTAL GUIDELINES

SOCIAL GUIDELINES

Contractor to compensate damage for private or public property outside wayleave for Transmission Line and substation land.

Contractor or a representative will be required to sit in the Grievance Redress Mechanism meetings chaired by KETRACO.

Contractor to allow periodic audit by KETRACO and the Consultant at any particular time and at any particular location.

ENVIRONMENTAL GUIDELINES

The Contractor shall dispatch appropriate experts in the environment fields.

The Contractor shall prepare appropriate ESMaP and ESMoP, then obtain approval by the Engineer and KETRACO before actual construction

The Contractor shall measure the environment factors at the site as the tender documents shows.

The Contractor shall Replace/plant all cut trees.

Mambasa Special Economic Zone Development Project, Electricity Sub-project

29

Clarification responses to all Questions will be issued along with the Minutes of the Pre-Bid Conference. Clarification Questions must be sent by e-mail to: mombasasez@ketraco.co.ke.

You must use this address to solicit a written response to your questions including those raised at this Conference.

The queries should only be sent in the following format on the official letter head of the company

Sr. No	Vol/Page No.	Clause	Description	Query

Mombasa Special Economic Zone Development Project. Electricity Sub-project





Date: 30/01/2024



ט
ATTENDANCE REGISTER PRE-BID MEETIN
Ш
Σ
0
-B
SRI
8
벋
SIS
SE(
Ä
2
A
Z
Ë
D

Mariakani – Dongo Kundu 220kV Transmission Line and Associated Procurement of Plant Design, Supply, Delivery, Installation, Testing and Commissioning of Substations.

Ref No. KETRACO/PT/045/2023

Venue: KAWI Complex. Block B. Popo Lane. Off Red Cross Road. South C. Nairobi

N	12				14	4			
Signature	S.TP WER				4	F Com ?	The same		200
Email Address	na kagawa, etjilo) furtec -orgses,	staniaruaroroma.co.la.	KKamau @ Sigamegrang Com	Steven, chagologi 34 systems com Steven, comendi Ogiza Systems com	J. VINCAL & OMNICOT P.CO. Ke	emmanuelle Jexoil Geld Itolo com	SP Kenya @ Shyamafower.com sahil. abrol @Shyama fower.om	binternational erayspowerytherem	Binkernational Crays power infra. con DING MIN (B) A AFC. WITH
Organization and position held	Yurtec corporation	YURTIEZ ICENYA-REP.	Sight	GIZA SYSTEMS	Omnicorp International H	2124 ASID	SHYAMA POWER IND LTD	Plays Power Infra Limited	NR BLEGTRIC
Name	Eiji Nakagawa	John Kamaru	Kevin Kanau	Steven Omandi	Vincent codhigados	BUMMING KITURA	MANOHAR MARUTHAIVEL	Joseph Gitsnaa	Grood sing
Sr. No.	+i	2.	3.	4.	5.	9.	7.	∞.	9.



Mariakani – Dongo Kundu 220kV Transmission Line and Associated Procurement of Plant Design, Supply, Delivery, Installation, Testing and Commissioning of

Substations.
Ref No. KETRACO/PT/045/2023

Venue: KAWI Complex. Block B. Popo Lane. Off Red Cross Road. South C. Nairobi

Person Organization and position held regentation and position held Signature	Faller Head of Bushed Ruelspinant EA & buy for huys C. grupousha.you	TEGING USA (SWOWS)	KEC International Ltd.	Burners Marger Zengwerliß Ceecc.com.cn (Dun)			Toyota Tsusho Corporation tomas-okate Crosota-Trusho, com Janos Chare.)	Sanya Siemers (Sales Engineer) Vincentiosanya@Siemens. Com Sanya
Name of the Person	Reberto Genzallez	christofles M wegs	Manej Bohza	Deborah Zeng	CAMER Eden	Tomast: Foli	Tamao Okare	to two	Vincent Dsanya
Sr. No.	10.	11.	12.	13.	14	15	16	17	18



Mariakani – Dongo Kundu 220kV Transmission Line and Associated Procurement of Plant Design, Supply, Delivery, Installation, Testing and Commissioning of Substations.

Ref No. KETRACO/PT/045/2023

Venue: KAWI Complex. Block B. Popo Lane. Off Red Cross Road. South C. Nairobi

Signature			The state of the s		A.	T.ww.		com Cl.	##
Email Address	A dustatasallaly	Molhammed @ Centro etchness com. Sileman @ Centro (dectinces - com	Myaura @masterpiece. Co. (co.	(in ms Ice (120)	is. muse	Jamaguchi. masaki@ 50), 72.00m	apoulaichi Ostes-ir. em	nicho las Sambu@hitachienergy.com	11/36 norm, end spour corpression as
Organization and position held	ALKAM	Central stlechicle lut LH.	MASTERPIECE ELECTRICALS LTO	North Chira Power Fromeering (6)(CUT)	Spirtz Spirtz	GOTITE Corporation	STEG International Services	HITACHI ENERGY LTD	NUAMENUS POURT CORPORATION CO. 124 INFOCEMENTSPOUNTSOFFERENCE
Name of the Person	Moustafa	Andrew	HARUSON MNAURA	Liu Mo	Chir Woongi	Mass & Tamagrahi	Aymen Loupaichi	HICHOLAS -K. SAMBU	SKVIS DONO
Sr. No.	19	20	21	22	23	24	25	26	27

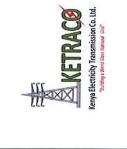


Mariakani – Dongo Kundu 220kV Transmission Line and Associated Procurement of Plant Design, Supply, Delivery, Installation, Testing and Commissioning of Substations.

Ref No. KETRACO/PT/045/2023

Venue: KAWI Complex. Block B. Popo Lane. Off Red Cross Road. South C. Nairobi

Signature			Mar Year		Jusie Jusie	A west	· De mo	Home	
Email Address	Fiec. Ke@ Done duing.cn	ENGINTER ING ' aday to armangineering	Wangxh. CRbC. Com		anterlas 1000 de com	17 67 76 32 8 99. com	Chaltumarta 22 Egmail. com -	Beey Rowery . Co. 1Cc.	,
Organization and position held	575	ARM ENGINEER ING!)	NV A Pm!	(X - 27)	RAYNOW ENERGY AFRICON ENERGY	POWER POINT	bitedar KBD+14211211	
Name of the Person	Dua Main	GOBGER ABAI	Wang XiHui	GOON; ROWERS	(, M & / , C)	CHALTU MA-D.TA		RSWILT BLEMC B.	
Sr. No.	28	29	30	31	32	33	34	35	36.



Mariakani – Dongo Kundu 220kV Transmission Line and Associated Procurement of Plant Design, Supply, Delivery, Installation, Testing and Commissioning of Substations.

Ref No. KETRACO/PT/045/2023

Venue: KAWI Complex. Block B. Popo Lane. Off Red Cross Road. South C. Nairobi

Sr. No.	Name of the Person	Organization and position held	Email Address Signature
72	FRANCY (APHLUMB)	County Operatoral Marga	Country Operatoral Marga Francis - Kehumbil & acepanser ram fut
73	TOHN DUMME	Regency Magnager	John MAME (Base DOWER & COM
74	Sangandon Brash drays		Sayanian. 6 @ Kanpa Kamporjecty, com Sam
75	Moustata	ALKAN	Marshare college
76	MARTHA NYAMWEYA	NIPPON KOFI	gmail .com
77	Co-CIMS KRIEN	Nygon Koer	mathasasha 2013@ gmasi-rang At
78	Axio NOA	NIPPON KOE Priet Marga	KOE Priech Margos 02120 1 1-400, 10 21 85 45 815
79	Hitoshi Egama	NIPPON KOEINTEPUT PROPER HOWA	KUEIN Regict Hange a4643 @ 17-KUEIN 32"/
80	9	D. 1980 KOEN. As Prober Name	KOBEL PSK Project Wards Siminated a could be
		1	

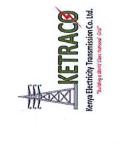


Mariakani – Dongo Kundu 220kV Transmission Line and Associated Procurement of Plant Design, Supply, Delivery, Installation, Testing and Commissioning of Substations.

Ref No. KETRACO/PT/045/2023

Venue: KAWI Complex. Block B. Popo Lane. Off Red Cross Road. South C. Nairobi

Sr. No.	Name of the Person	Organization and position held	Email Address	Signature
81	Gor, BOXKA	DRAIPL	Gopi. b @ draiol. con	
82	Newbon Koman	Aztute Insegment 6.16	d mas @a my bas. co	9
83	Hazendray Yadau	KEC Int. 1 hal	20	1
84	Abraham Nyaundi	KETRACO	anyandi@ Ketraco.co.ke	J. J
85	0% Lorena Simba	KETRAW		A.
98	En Dyne Kamia	KETRACO) 24
87	Isaac Rotich	SHARA		
88	S wakshen kny Cal	ICPIL	saratra @ kall salan	Buled. Or
68				



Mariakani – Dongo Kundu 220kV Transmission Line and Associated Procurement of Plant Design, Supply, Delivery, Installation, Testing and Commissioning of Substations.

Ref No. KETRACO/PT/045/2023

Venue: KAWI Complex. Block B. Popo Lane. Off Red Cross Road. South C. Nairobi

Sr. No.	Name	Organization and position held	Email Address	Signature
63	CHALTU MARTA	POLYER POINT ENGLY 2 BUSINESS POLYER POINT ATRICAN CNERGY MANNAGGR	Chaltumarta 22 Comalicalum of chaltumarta ecitriconements com	COM CAR.
64	dwistables Moveen	1echilo CLSA	m. Sab 14 Rechnovedato	3
65	Wash	Cetal stellets LIM	ansher @ calm (clatheal)	
99				•
29				
89				
69				
70	4 1			
71				