

SITE ACCEPTANCE CHECK LIST FOR RETAIL OUTLET AUTOMATION SYSYTEM

Name of Retail Outlet	
RO SAP code	
Sales Area/Location	
Start date & Time of 5 days observation period	
End date & Time of 5 days observation period	
Date of SAT	
Name of the Vendor	

LANKA IOC PLC LTD

VENDOR

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1. Hardware Installation and Integration Verification

S.N.	Software/Hardware	Make / Model	Installed & Integrated (Yes / No)	Accepted (Yes / No)
1	FCC Software Name and Version No.			
2	Forecourt Controller (COMBO with BOS functionality)			
3	Forecourt Controller Wall mounted enclosure with Electronic Locking system			
4	Monitor			
5	Keyboard			
6	Mouse			
7	Router cum Modem (With Minimum 8 Ports)			
8	Auto Tank Gauging Probes			
9	Auto Tank Gauging Console			

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S.N.	Hardware	Make / Model	Installed & Integrated (Yes / No)	Accepted (Yes / No)
10	Wireless equipments for communication between ATG probes and ATG console (Applicable for wireless communication)			
11	Wireless equipments for communication between DUs and FCC (Applicable for wireless communication)			
12	Handheld Readers(HHR) for Customer Attendant			
13	Customer registration Terminal			
14	Redundant Surge Protection Device			

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2. Software and Functionality Check			
SN	Functionality	Description	Accepted (Yes / No) If NO, remarks to be attached.
1	ATG Readings vs Manual Dip Readings	ATG will read product level, water level and temperature of the product in the tank and will transmit product and water level and temperature data to the ATG System. The level reading should be within the permissible accuracy limit of +/- 4 mm in field conditions with reference to manual gauging in vogue at the RO.	
2	ATG Console	This ATG system will communicate the captured tank data to FCC at an interval of 60 seconds. FCC will locally store the captured ATG data for every clock 30 minutes and will also transmit the same to CMS for every clock 30 minutes. <u>Alarms:</u> i. High Product level, ii. Low Product level, iii. High Water level, iv. Communication failure	
3	Preset Vs actual,	Pre-set and Actual delivery (Volume and Amount) to be captured in Automation System	

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4	Zero transaction	Report of deliveries i.e., transactions for which delivered quantity are zero against a given preset quantity.	
5	DU Control - Real Time Status	DU Realtime status (Idling state, fueling State, Transaction Completed State and Printing Status)	
6	DU Control- Nozzle totalizer	Capture of the nozzle totalizer	
7	DU Control- Price	Read, check and set product prices assigned to nozzles	
8	DU Control- Operations	Enable, Disable, Block, Stop All, Need Authorise and Auto Authorise	
9	Application Login and User Access	Login, User configuration and user rights	
10	DU Status (RO Operation GUI) & User Interface	An individual "cell" within the console represents each pump. Each cell consists of a Dispenser Make, Product title/current Product in use, Unit Price the pump status, and transaction fuelled details cell & interlocking message cell. Coloured images are used to represent the current status of a pump allowing the RO personnel to quickly assess the status of Forecourt while working in the Sales Room. The DU Status provides a graphical representation of the Forecourt. The user interface provides control of the Forecourt. The user interface can be driven by keyboard, mouse, or a combination of these. DU Status is made up of a status bar, dispenser status icons. DU Status has one emergency stop button to stop all dispensers.	
11	Handheld Reader operations	Capturing of Vehicle No using Scanning and manual insertion of unique number through HHR	

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12	Marking of Testing transactions	All testing transactions shall be possible to be done only when DU is authorized through a RFID tag reader preconfigured through the BOS PC as testing RFID reader. Any RFID tag reader can be configured as testing tag reader and configured back as sales transaction tag reader through BOS application. When Pump display is authorized with Testing Tag reader, the corresponding delivery transactions shall automatically be marked as testing and pushed to ITPS (Independent Transaction Processing Server) and CMS. However, such transactions shall not be available in EDC on call for any payment or loyalty transaction processing. Note: System should have provision to mark any transaction as testing transaction before the shift closure time of that day							
13	Tank Status	The Tank status provides the real time view of tank inventory using the ATG system interface of FCC and inventory reports are generated based on this. This data can be viewed from the Tank Status/GUI Page: Inventory data from ATG Console is requested every 60 seconds by FCC & same is displayed on the Tank status GUI Screen. For each tank configured in the system the grade is displayed, the current product volume, water level, and associated data such as capacity, ullage, etc.							
14	Device health status of various equipments	<table><tr><td>Device health Status of</td></tr><tr><td>- Pumps</td></tr><tr><td>- ATG probes & Console</td></tr><tr><td>- Wireless Equipments</td></tr><tr><td>- Hand held Reader</td></tr><tr><td>- Communication status between FCC and IOCL HOS Servers</td></tr></table>	Device health Status of	- Pumps	- ATG probes & Console	- Wireless Equipments	- Hand held Reader	- Communication status between FCC and IOCL HOS Servers	
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15	User configurations and user rights	RO Operations - User configuration and user rights as detailed in the tender document	
16	Shift Management	RO Operations - Shift Management as detailed in the tender document	
17	Product Pricing Schedule	Product Pricing Schedule as detailed in the tender documents	
18	Discount pricing	Discount Pricing as detailed in the tender document	
19	TT receipt Entry	TT receipt Entry as detailed in the tender document	
20	Prepay and Post pay	Pre-pay & Post-pay transaction marking as detailed in the tender document	
21	Alarms Dashboard	Alarm Dash Board provides list of all equipments related alarms & their duration. Once the alarm is normalized alarm automatically disappears from Alarm Dash Board	

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22	Alarms / Alarms configuration	List of Alarms available in system are as given below. Configuration of alarms with its trigger values can be configured on the site as per site requirements. List of alarms available:		
		Device	Name	
		ATG	ATG Product High	
		ATG	Water Level High	
		ATG	Low Product Level	
		ATG	ATG Struck	
		ATG	ATG Equipment Communication Failure	
		ATG	Product Receipt in Tank in progress	
		DU	Pump Communication Failure	
		EDC	EDC Communication Failure (To be generated by ITPS)	
		DU	Preset Validation against actual delivered quantity	
		Connectivity	No connection to HOS Server	
		SPD	SPD Failure Alarm	

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23	Interlocks	Interlocks as detailed in the tender document: - ATG Interlock - No Print No Delivery - TT receipt Interlock - Tank Water level High Interlock - Tank Product Level Low Interlock - Dispenser testing Interlock - Preset Vs Actual delivered quantity - TT Decantation Interlock Alarm	
24	Reports	Reports as listed in the tender documents: 1. Daily Sales Report 2. Shift Report 3. Stock Reconciliation Report 4. Inventory Report 5. Field Officer Inspection Report 6. Tank Truck Receipt Report 7. Transaction Report 8. Product Price History Report 9. Alarm History Report 10. Dispenser Reconciliation Report	

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		11. Preset Vs Actual Delivery Exception Report	
		12. Customized Report	
		13. Equipment up Time Report	
		14. DU/Nozzle Wise Sales Report	
		15. Tank Wise Reconciliation Report	
		16. Product Sales Total Report	
		17. Transaction Type/MOP Sales Report	
25	Trends	Trends as listed in the tender documents:	
		1. Amount and Volume Wise Sales Profile	
		2. Exceptional Stock Variation	
		3. Product wise Stock Loss/Gain	
		4. Product Inventory at current time	
		5. Pump and Nozzle wise Sales	
		6. Monthly Sales All products	
		7. ATG Vs Invoice receipt	
		8. Stock Reconciliation	
26	Density Register	Software to have provision for manual entry of density	
27	Additional Feature - Totalizer reading after every transaction	Totalizer Reading after every transaction	

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28	Dry-Stock Management	Dry-stock Management capabilities (By showing FCC screens for adding and deleting Dry-stock inventory)	
29	Remote View	Web enabledremote site management (Remote view)	
30	Integration of Different LIOC HOS system	HOS: Checking of all functionality of HOS along with SMS facility as per FDS.	Integration with HOS and SMS

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Training:

SN	Description	Verified (Yes / No)
1	During 5 days of trial run, vendor is required to undertake all necessary TT Receiptentries, marking of testing, required for correct generation of 5 basic reports . Vendor also needs to provide training to dealer/Customer Attendants on various operational, usage and troubleshooting aspects of Retail Automation System on the topics mentioned . Training shallbe provided to dealer, customer attendant FPR for Automation and minimum one number of shift supervisor & customer attendant of each shift on each of the fivedays.	
2	Vendor to certify “installation has been carried out by qualified and trained engineer(s), in compliance to IS/IEC 60079-25:2003 for intrinsically safe System being installed at the RO M/s XYZ (specify name of the RO)”.	