

**PROPOSAL**

***Dated: 23rd May 2020***

***For***

**Courier Management System**

(Web based Online Software)

*at*

**Mam Enterprise LLC** 26 June District, Hargeisa, Somallland Somalia

*By*

**Sagar Informatics Private Limited**

*No. 67 D/1, Second Floor, OM Shanti Bulding, Opp. Canara Bank, Munirka, New Delhi-110067 (India).*

*Website:* [*www.sagarinfotech.com,*](http://www.sagarinfotech.com/) *Mobile: +91 9311133772, 9311746788 eMail:* [*sales@sagarinfotech.com*](mailto:sales@sagarinfotech.com)



Table of Contents

1. [PROJECT DEFINITION 3](#_TOC_250027)
   1. [Courier Management System (CMS) 3](#_TOC_250026)
2. [Objective 3](#_TOC_250025)
3. [Proposed Features (Process) 4](#_TOC_250024)
4. [APPROACH 8](#_TOC_250023)
   1. [Analysis 8](#_TOC_250022)
   2. [Designing the structure 8](#_TOC_250021)
   3. [Development of the Solution 8](#_TOC_250020)
   4. [Testing and Implementation of the Solution 8](#_TOC_250019)
   5. [User Acceptance 8](#_TOC_250018)
   6. [Training to users 8](#_TOC_250017)
   7. [Discussion/Online Sessions 8](#_TOC_250016)
5. [PROJECT PHASES AND DELIVERABLES 9](#_TOC_250015)
   1. Needs Analysis 9
   2. Design 9
   3. Development 9
   4. Implementation 9
   5. Evaluation 9
   6. Launch Event 9
6. [ASSUMPTIONS 10](#_TOC_250014)
7. [TECHNOLOGIES IN USE 10](#_TOC_250013)
   1. [Front-End 10](#_TOC_250012)
   2. [Back-End 10](#_TOC_250011)
8. [HARDWARE REQUIREMENTS 10](#_TOC_250010)
   1. [Web Server 10](#_TOC_250009)
   2. [Client 10](#_TOC_250008)
9. [PROJECT PLAN 10](#_TOC_250007)
10. [COMMERCIAL OFFER 11](#_TOC_250006)
    1. [Project Cost (One Time) 11](#_TOC_250005)
    2. [Project Cost (Monthly) 11](#_TOC_250004)
    3. [Customization charges 11](#_TOC_250003)
11. [Taxes and Duties Applicable 12](#_TOC_250002)
12. [Payment Terms 12](#_TOC_250001)
13. [Terms and Conditions 12](#_TOC_250000)



# PROJECT DEFINITION

## A. Courier Management System (CMS)

The main objective of this project is to develop/ implement a web based online application Software for CLIENT. A Courier Management System (**CMS**) is a software application that supports the day-to-day operations of Packet/Parcel from Origin to destination. CMS programs enable centralized management of tasks such as Pickups, consignment tracking and delivery updation with customer signature and delivery status, Client Invoicing, COD Reconciliation.

# Objective

The objective of this project is to:

* + Deploy online web application “Courier Management System” Software for tracking consignment dispatch.



# Proposed Features (Process)

* + Operation Team/Employee login
  + Management Login
  + Client Login
  + Delivery Android App
  + Client Android App \*
  + Management Dashboards
  + COD Management
  + Client Invoicing and Outstanding’s
  + Operational KPI’s
  + Financial KPI’s
  + COD KPI’s
  + Delivery TAT MIS
  + MIS & Reports
  + Auto Mailers to Management and Clients
  + API Integration with client for pushing orders and Seamless tracking
  + Third party API Integrations \*
  + Unlimited Branches
  + Unlimited Users
  + Unlimited orders/Shipments
  + Tracking on your website
  + While Label Software with your name and domain

*\* Available with additional cost*

**The Software options/Menu list**

|  |  |
| --- | --- |
| ***Menu List*** | ***Menu Options*** |
| ***Booking*** | *Pickup Entry (Manual)* |
| *Pickup Merge* |
| *Packet In-Scan* |
| *Update Pickup Merge* |
| *Update Packet* |
| *Update ODA Charge* |
| *Delete AwbNo* |
| *Update Phone No* |
| ***Out-Scan Entry*** | *Packet Manifest (Out-Scan)* |
| *Packet Un-Manifest (Out-Scan)* |
| *Master Manifest Entry* |
| *Manifest Print* |



|  |  |
| --- | --- |
| ***Menu List*** | ***Menu Options*** |
|  | *Master Manifest Print* |
| ***In-Scan Entry*** | *Manifest In-Scan* |
| *Arrival Entry AwbNo* |
| ***POD-DRS Entry*** | *Prepare Run Sheet* |
| *Print Run Sheet* |
| *POD Entry* |
| *DRS POD Entry* |
| ***RTO-RTS Entry*** | *RTO Entry* |
| *Import RTO AwbNo* |
| *Remove RTO* |
| *Packet Manifest (RTO)* |
| *Arrival Entry AwbNo RTO* |
| *RTS Entry* |
| *RTS Print* |
| *RTS POD Entry* |
| ***Query*** | *AwbNo Query* |
| *Multiple AwbNo Search* |
| *Multiple Awb Query* |
| *Report Query* |
| ***Report*** | *Pickup Merge Report* |
| *Booking Report* |
| *Pickup-Booking Discrepancy* |
| *Pending Report* |
| *Delivery Report* |
| *Packet Detail Report* |
| *Weight Discrepancy Report* |
| *OutScan Not In-Scan* |
| *Manifest Report* |
| *Arrival Report* |
| *Route Dashboard* |
| *Delivery Status Report* |
| *Run Sheet Report* |
| *Reverse Pickup Merge* |
| *Arrival Discrepancy (Weight)* |
| *Arrival Discrepancy (Tag)* |
| *Challan Report* |
| *RTS Report* |
| *Meter Reading Report* |
| ***Deviation Report*** | *In-Scan Not Manifested* |
| *Out-Scan Not Dispatched* |
| *Dispatched Not Arrived* |
| *Arrived Not In-Scan* |



|  |  |
| --- | --- |
| ***Menu List*** | ***Menu Options*** |
|  | *In-Scan Not Run Sheet* |
| *Run Sheet Not POD* |
| ***MIS Report*** | *Manifest MIS Report* |
| *Client MIS Repot* |
| *Branch MIS Report* |
| *Client Sales Report* |
| *COD MIS Report* |
| *Run Sheet MIS Report* |
| ***COD Management*** | *Branch DRS Reconciliation* |
| *Branch Bank Reconciliation* |
| *Upload Bank Receipt* |
| *HO Bank Reconciliation* |
| *Client Remittance Reconciliation* |
| *Client Remittance No Update* |
| ***COD Report*** | *COD Report* |
| *Branch Collection Report* |
| *Client Remittance Reconciliation Report* |
| *Bank Receipt Report* |
| ***General Settings*** | *Assign Pin Code to Route* |
| *Client SMS and Mail* |
| *Assign Branch To Hub* |
| *Assign Destination To Zone* |
| *Branch Co-Loader Mapping* |
| *Import Pin Code Master* |
| *Shipper Issue (Manual)* |
| ***Users*** | *Employee Master* |
| *Employee Group* |
| *Group Menu Access* |
| *Employee Menu Access* |
| *Change Password* |
| *Download App* |
| ***Client Invoice*** | *Client Rate Entry* |
| *Charge Master* |
| *Generate Invoice* |
| *Invoice Detail* |
| ***Master*** | *Branch Master* |
| *Client Master* |
| *Zone Master* |
| *Destination Master* |
| *Co-Loader Master* |
| *Pin Code Master* |
| *Route Master* |



|  |  |
| --- | --- |
| ***Menu List*** | ***Menu Options*** |
|  | *Payment Mode Master* |
| *Delivery Mode Master* |
| *Bank Master* |
| *Delivery Status Master* |
| *ID Proof Master* |
| *Reason Master* |
| *Receivers Relation Master* |



# APPROACH

## Analysis

A thorough analysis will be submitted by CLIENT addressing all the need of the Courier Management System. To make the analysis, a Core Team will be assigned from CLIENT that will consist of CLIENT Management/ Operation Executives.

## Designing the structure

Once the analysis has been done it will be approved by CLIENT Core team involved in implementation of the solution and the basic structure of the required solution will be finalised.

## Development of the Solution

The project Customization/ development will be initiated after finalization of designed structure and frequent involvement of Core team is mandatory at this stage.

## Testing and Implementation of the Solution

After completion of the development the solution will be deployed at web server and testing has to be carried out by or in supervision of the CLIENT core team. All the bugs, flow correction and other such activities will be carried out in this process.

## User Acceptance

On successful testing of the solution a user acceptance will be required from CLIENT Core Team.

## Training to users

Training will be provided to the CLIENT Core Team.

## Discussion/Online Sessions

The Core Team will discuss/ conduct online session at least once a week or as and when required. Constant interaction between the *CLIENT* Core Team and SIPL Core Team will guide the process and will lead to successful execution.



# PROJECT PHASES AND DELIVERABLES

The tasks and deliverables for each phase are listed in the following tables:

|  |  |
| --- | --- |
| **A. Needs Analysis** | **Deliverable** |
| Attend kick off meetings | None |
| Needs Analysis Resource Analysis  Conduct structural requirements assessment   * Approach * Schedule * Strategies * Logistical and resource requirements | Needs Analysis Report (Submitted by CLIENT) |

|  |  |
| --- | --- |
| **B. Design** | **Deliverable** |
| Workflow | Workflow Document |

|  |  |
| --- | --- |
| **C. Development** | **Deliverable** |
| Development of Entire Solution | None |

|  |  |
| --- | --- |
| **D. Implementation** | **Deliverable** |
| Testing and Implementation of the solution | Software |

|  |  |
| --- | --- |
| **E. Evaluation** | **Deliverable** |
| Review | Summative evaluation report |
| Summarise and review lessons learned from the project  Planning for long-term server, storage and network requirements |  |

**F. Launch Event**



# ASSUMPTIONS

* + A CLIENT Core Team will be made available for the duration of the project. The Team members must have a good understanding of the requirements.
  + A CLIENT User Support Manager will be made available for the duration of the project.

# TECHNOLOGIES IN USE

## Front-End

* + Dot net (Framework 4.5 or above)
  + Ajax
  + JQuery
  + JSon
  + Web Services
  + JScript
  + HTML 5 (Responsive)

## Back-End

Microsoft SQL Server 2014 or above

# HARDWARE REQUIREMENTS

## Web Server

Single/Double Xeon 2.8 Ghz or Above 32 GB RAM – Upgradable upto 256 GB 900GB x2 HDD

Redundant Power Supply

## Client

Intel core 2 Duo *2.8 ghz* or Above 4 GB RAM or Above

500 GB HDD or Above

4 mbps Internet connection

# PROJECT PLAN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Key Process** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| *System Analysis and Problem Identification* |  |  |  |  |  |  |  |  |  |  |
| *Software Development and Modifications* |  |  |  |  |  |  |  |  |  |  |
| *Software beta Testing* |  |  |  |  |  |  |  |  |  |  |
| *Go Live* |  |  |  |  |  |  |  |  |  |  |

***\*Duration is in Week (5 Days a week)***



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*Page 13 of 13*