

**Request for Proposal**

**Incident Safety System**  
**For**  
**ION Exchange Limited, Hyderabad.**

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## **1 STATEMENT OF PURPOSE**

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The Purpose of this document is to give the solution for managing the Incident, Safety Management system for ION Exchange Limited.

## **2 BACKGROUND AND CURRENT STATUS**

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At Present ION Exchange is not having any software to enter the data and doing the analysis.

### **3 SCOPE OF WORK**

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This section describes the scope of the work. Below are the points

- 1) Safety Website
- 2) Integrating to their SSO system
- 3) Safety Observations
- 4) Track Incidents
- 5) Track Incident Investigations
- 6) Track Kaizen Systems

#### **3.1 PROJECT STRUCTURE**

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The project should be developed in MVC, Web API with SQL Server.

#### **3.2 TECHINCAL STACK**

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ASP.NET, C#, MVC, SQL Server, Web API, JQuery

#### **3.3 HARD WARE STACK**

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##### **Development**

- Windows 7 & Up
- Visual Studio 2013 & UP
- SQL Server 2012 & UP

##### **Deployment**

- Windows 2012 Server
- IIS 7
- .Net Framework 4.0 & UP
- SQL Server 2012 & UP

## **4 SCREENS INFORMATION**

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Attached screens ppt.



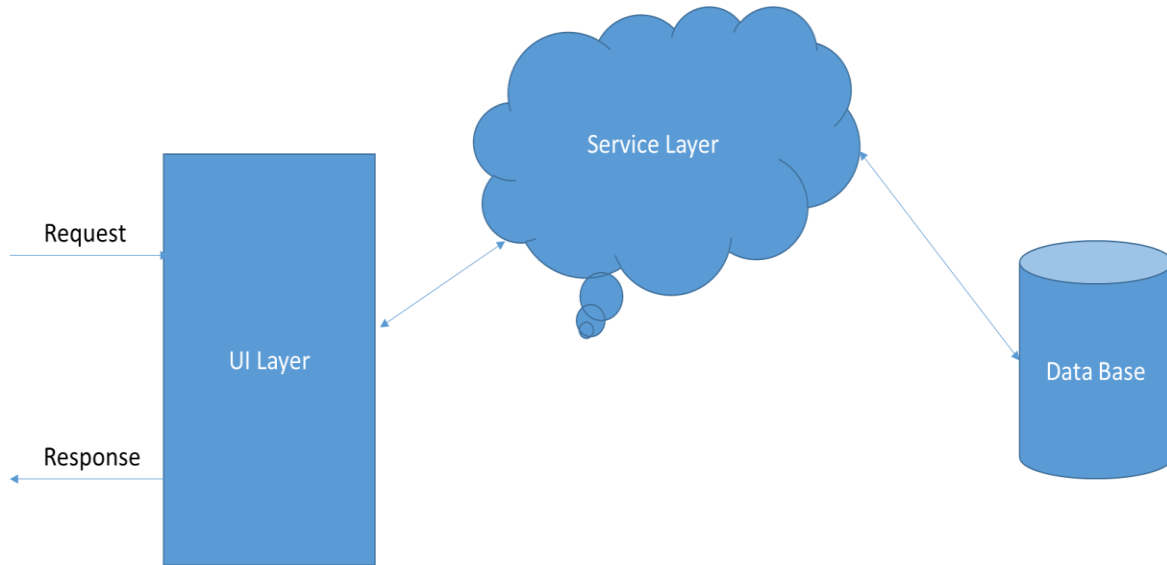
ION\_SAFETY.pptx

## 5 ARCHITECTURE

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### High Level Architecture

This gives the high-level design document. Each layer we are having Exception and logging technics. From the UI layer the calls will go to Service Layer and from Service Layer to Data Base Layer. From Data Base Layer to Data will be flowed to Database.



**UI Layer:** This layer is developed by using the HTML, CSS in MVC

**Service Layer:** This consists of holding the business logic and connecting to the database.

**DB:** This is holding the SQL Server. All the data will be stored here.

## **6 SCHEDULE**

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In order to complete the agreed scope it will take 4 weeks of time.



## 7 COST

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It costs around 75thousand below is the splitting of the application into various activities.

Activity	No.Of Hours	Hourly Rate(INR)	Total Amount
Project Management	20	800	16000
Architecture	20	600	12000
DB Design	20	600	12000
Design	20	350	7000
Development	40	350	14000
Testing	40	350	14000
<b>Total</b>	<b>160</b>		<b>75000</b>

It includes

- 1) Total Application Development
- 2) Deployment
- 3) Training to the Users
- 4) Friendly & Responsive Design
- 5) 1 Month Maintenance

## **8 DELIVERABLES**

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As Part of the deliverables below are the deliverables.

- 1) Source Code of the Project
- 2) Deployed version of the application

## 9 MAINTENANCE

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Post Deployment of the application **1-month** free maintenance will be provided by Mahi Techno Systems. After Completing this free maintenance period, it will be charged **5000/- INR** per Month for the first year thereafter we can discuss further.

In this period, we will fix the bugs if any found.

For any Changes ION Exchange must raise Change Request and Mahi Techno System will analyze and provides separate quotation.

## **10 CONTACT INFORMATION**

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