Project Proposal for the New Automated Cricket & Rugby Scoreboard For S Thomas’ College - Mount Lavinia

Proposed by Aspire Technologies (Pvt) Ltd.
Contents

Executive Summary.................................................................3
Solution Overview........................................................................4
  1) New Scoreboard Structure....................................................4
  2) The Automation of Scoreboard..............................................8
Project Engagement and Roll-Out Methodology.............................10
Commercial Consideration..........................................................11
Responsibilities of S Thomas’ College...........................................12
General Conditions ......................................................................13
Appendix A.......................................................................................15
  Corporate Profile of Aspire Technologies (Pvt) Ltd............................15
Appendix B.......................................................................................22
  Corporate Profile of REGIONAL DEVELOPMENT HOLDINGS (PVT) LTD ...22
Executive Summary

S Thomas’ College – Mount Lavinia, established in 1851 is considered to be one of the most prestigious schools in Sri Lanka. Its former pupils include four former Prime Ministers of Sri Lanka. Not being second to the field of politics, S Thomas’ has groomed many in the sports arena.

As part of the upheaval of S Thomas’ cricket and rugger it is has become important to replace the 30 year old scoreboard with a modern scoreboard catering to both cricket and rugger. Scoreboard is unique and symbolic in nature for any institution.

Aspire Technologies an engineering company who addresses the unique state of the art solutions, proposes a new fully automated scoreboard with many facilities to be in par with current trends in technology. The proposed new scoreboard is designed to accommodate both cricket and rugby scores and is placed in the ground so that it is visible to all spectators. The new scoreboard has much more relevant information compared to the existing scoreboard. Aspire Technologies introduces a computer operated scorecard system along with automatic update of scores. This unique design is far superior than the LED based scoreboards in terms of clear visibility, lesser operational cost and its sentimental value in conventional cricket.

Management – Aspire Technologies
Solution Overview

The solution comprises of two main components.

1) The scoreboard structure
2) The automation of scoreboard

1) New Scoreboard Structure

A completely new structure is proposed with more relevant and essential information.

Figure 1. Schematic diagram of the new scoreboard structure for cricket and rugger matches
Existing Scoreboard
Proposed Scoreboard Configured for Cricket Matches
Proposed Scoreboard Configured for Rugger Matches
Key features of the new scoreboard structure

- The structure is 36 feet high and 37 feet wide. A place next to the scout room has been identified for the new scoreboard.
- The structure is erected from the ground level and score cages are installed above 9 feet. Structure is in two compartments. Bottom compartment which is about 9 feet high, can be used as a general store room to store equipment and ground related accessories. The room where the scorers reside, is a single compartment of 25” X 8” area and 27” high.
- Scoreboard is a RCC (Reinforced Cement Concrete) structure with block partition walls.
- Score cages consist of many essential information for both sports including the names of the teams, batsmen’s’ names and the bowler’s name, etc.
- A large analog clock will be placed on the top of the structure.
- A secondary electronic stop watch is installed to be used for rugger matches.
- S Thomas’ logo and the name will be displayed on top of the scoreboard.
- Provision has been kept for 4 persons to comfortably sit in the scoreboard.
- Top of the structure is a concrete slab with water-proofing.
- Provisions for two hoardings have been made on both sides of the scoreboard of 5’ x 20’.

2) The Automation of Scoreboard

The automation of scoreboard brings in many benefits. To name a few...
- It eliminates employing separate people to update score cages hence single man operation.
- Minimize the human error in scoring hence reduces final balancing of the score sheets.
• Emailing score sheets at the end of the game make score-sheet delivery easier.
• Dynamic score updates motivates the cricketers.
• Storage of match data helps in statistical analysis of the players and the games.

The unique feature of the new scoreboard is the entire data updating is automated. The scorer uses a scoring software to enter cricket scores. The scoreboard is linked to the software and hence all relevant cages are updated accordingly. As a new feature the current batsmen’s name and the bowler’s name too added and are updated automatically.

The alpha numeric panels are electro-mechanical units with an interface to the computer. The modular structure of the panels make it easy to assemble and to carry out any maintenance and repair work.

Compared to the LED based screens, the electro-mechanical design offers a greater visibility at a distance, greater angle of view and lower cost of operation. LED screens require separate high power sources which increases the cost of the operation of the scoreboard. Electro mechanical units consumes power only on the data updates hence minimal power consumption.

Provision is kept to connect a portable power generator in the event of a long duration power failure.

The unique features of the scoring software ...
  Simple interface for score entering
  Automatic updation of the scorecard (hence no errors)
  Automatic updation of the scoreboard
  Ball-by-ball call history
  Emailing of scorecard
  Printing of scorecard
  Wagon wheel (future enhancements)
  Player statistics (future enhancements)
Project Engagement and Roll-Out Methodology

Key success to any project is the project management. Aspire Technologies proposes the following high level project milestones for the implementation of the entire solution.

- Letter of award and/or purchase order
- Mobilization payments
- Erection of the scoreboard
- Fixing of panels
- Back end wiring
- Software installation and testing
- Commissioning

Note: Upon finalization of the engagement Aspire Technologies will furnish
- Elaborated project plans with milestones and delivery dates.
- Structural plans with structural engineers certifications
## Commercial Consideration

<table>
<thead>
<tr>
<th>Brief Description</th>
<th>Total (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Scoreboard structure</td>
<td></td>
</tr>
<tr>
<td>CAD design of the proposed score board</td>
<td></td>
</tr>
<tr>
<td>Structural design of the score board and the related structure</td>
<td></td>
</tr>
<tr>
<td>CAD design of the existing buildings and locating the proposed structure</td>
<td></td>
</tr>
<tr>
<td>Construction of foundation</td>
<td></td>
</tr>
<tr>
<td>Construction of concrete frame structure including, plinth beams slab, beams and columns</td>
<td></td>
</tr>
<tr>
<td>Structural brickwork and tie beams to support the openings on the score board</td>
<td></td>
</tr>
<tr>
<td>Toilet in ground floor</td>
<td></td>
</tr>
<tr>
<td>Brick and block work to infill the walls.</td>
<td></td>
</tr>
<tr>
<td>Water proof paint on score board wall.</td>
<td></td>
</tr>
<tr>
<td>Weather proof painting on all other walls.</td>
<td></td>
</tr>
<tr>
<td>Water proofing on roof slab.</td>
<td></td>
</tr>
<tr>
<td>Doors and windows on first floor</td>
<td></td>
</tr>
<tr>
<td>Ladders and roof balconies</td>
<td></td>
</tr>
<tr>
<td>Sewerage disposal</td>
<td></td>
</tr>
<tr>
<td>Storm water disposal</td>
<td></td>
</tr>
<tr>
<td>Signage and the logo</td>
<td></td>
</tr>
<tr>
<td>Large analog clock and a digital stop watch</td>
<td>5,050,000/=</td>
</tr>
<tr>
<td>5 Year warranty support</td>
<td></td>
</tr>
<tr>
<td>Scorecard software and scoreboard automation system</td>
<td>5,990,000/=</td>
</tr>
<tr>
<td>Supply and installation of Score-card software along with the PC for cricket and rugby.</td>
<td></td>
</tr>
<tr>
<td>Back end wiring of AC and DC power cables</td>
<td></td>
</tr>
<tr>
<td>Back end wiring of data network</td>
<td></td>
</tr>
<tr>
<td>Supply and installation of data racks and data switches</td>
<td></td>
</tr>
<tr>
<td>Supply and installation of switchgear and batteries</td>
<td></td>
</tr>
<tr>
<td>Supply and installation of 112 nos of score cage panels</td>
<td></td>
</tr>
<tr>
<td>5 year warranty support</td>
<td></td>
</tr>
<tr>
<td><strong>Total (Rs)</strong></td>
<td><strong>11,040,000/=</strong></td>
</tr>
</tbody>
</table>
Notes:

1) The above costs excludes any taxes and taxes are applicable at the time of invoicing.
2) The above costs also excludes and local authority approval charges.
3) Offer validity is 30 days.
4) Warranty: 5 years warranty and maintenance for the entire solution including the structure. A service agreement can be signed after the fifth year.
5) Project Delivery method—Turn-key-basis
6) Start of work : Upon Confirmation
7) Time duration : 4 months from the start of work
8) Building of the structure will be subcontracted to a company called Regional Development Holdings (Pvt) Ltd. and their corporate profile is attached herewith. All costs related to the civil structure of the scoreboard is based on the proposal given by them.

Responsibilities of S Thomas’ College

- Coordinate and facilitate necessary local authority approvals for erecting the structure.
- Facilitating necessary approvals from CEB for electricity connections.
- Unhindered access to Aspire Technologies personal and subcontractors to carry out the erection and installation of the system.
- Safe and secure storage place for storage of materials during the construction period.
- Access to electricity and water during the construction period.
General Conditions

- Any patents, copy rights, intellectual property rights arising out of the solution remains the property of Aspire Technologies (Pvt) Ltd.
- S Thomas’ College receives the right to use license of scoring software and holds no ownership of the software. Software remains the property of Aspire Technologies (Pvt) Ltd.
- S Thomas’ College agrees that no dismantling or reverse engineering done on the supplied equipment and software.
- The offered 5 year warranty and maintenance covers manufacturing defects and general wear and tear. It does not cover damages due to act-of-god, force majeure, natural disasters, riots and civil unrest, theft, etc.
Aspire Technologies (Pvt) Ltd. Contact Information

Address
Office address:
No. 129/1, Koswatta Rd.,
Nawala,
Rajagiriya

Registered Business Address:
315/5, Walawatta,
Biyagama

Telephone
Office +94 11 2489956
Mobile +94 77 3979223

Email
info@aspire.lk
Appendix A

Corporate Profile of Aspire Technologies (Pvt) Ltd.
Company Profile
Who are We...

Aspire Technologies (Pvt) Ltd. ...

We are a Solution Provider Company …
Who explores the market gaps where we can add value …
Thinking out of the box is a passion of business …
Innovation is a day-to-day business practice …
Believing in holistic approach …
To have a win-win partnership …


Our Mission

“to provide great business values and optimized business solutions to our clients to improve their stakeholders value”.

Our Vision

“to be a differentiator”

Aspire Technologies (Pvt) Ltd. a consultancy and System Integration company, aspires to introduce state of the art solutions, addressing the business needs of the clients. Fourteen years of industry experience in system integration domain and professionals in various disciplines, enables Aspire to have a holistic view of the solution to be provided. Aspire believes in innovation and do not take technology as barrier to deliver a solution.

Beyond providing a mere solution, Aspire spends time in understanding customers’ business and strategies, and strive to integrate the solution to business processes so that the client can see the value of the solution in terms of the returns.

Aspire believes in consultative approach …being a business partner rather than a vendor …
Our Solution Portfolio is continually developed and broadened based on fulfilling customer business demands. Currently we carry a wide array of solutions under one roof as one stop shop for many a business requirements.

- Consultancy
  - Voice (PABX, IVR, Call/Contact Centers), Data and Video
- Digital Signage Solutions
  - Indoor Solutions
  - Outdoor Solutions
- Security
  - Surveillance systems
  - Access Control & TA
  - GSM alert system
  - Fire Alarms
  - Guard Patrol systems
  - Visitor management systems
  - Network monitoring and alerting systems
  - Voice recording solutions
- Hosted Mobile PABX Solutions for Mobile Telecom Operators
- GPS Based Fleet Management Systems
- Score Board Automation Systems
- Musical Fountain Systems
Within the short span in business many a customers had faith in doing business with Aspire Technologies as a result we are proud to present our list of clients which includes many a MNC clients and conglomerates as well

- John Keells PLC
- John Keells BPO – India
- Lanka Tiles/ Walltiles (Pvt) Ltd.
- Lanka Bell (Pvt) Ltd.
- ETPL (Pvt) Ltd.
- Creative Solutions (Pvt) Ltd. (Microsoft BPO)
- CAMBIO (Pvt) Ltd. (Swedish Medical software Company)
- Four Corners (Pvt) Ltd.
- SLFFA Cargo (Pvt) Ltd.
- DuPont Lanka (Pvt) Ltd
- Aitken Spence (Pvt) Ltd.
- Coats Tootal (Pvt) Ltd.
- Standard Chartered Bank
How to reach us...

Registered Address:
  Office address
  No. 129/1, Koswatta Rd.,
  Nawala,
  Rajagiriya

  Registered address
  315/5, Walawwatta,
  Biyagama,
  Sri Lanka

Telephone
  +94 11 2489956

Hotline
  +94 77 3979223

Fax
  +94 11 2488955

Email
  info@aspire.lk

Web
  www.aspire.lk
Appendix B

Corporate Profile of REGIONAL DEVELOPMENT HOLDINGS (PVT) LTD
Introduction
Regional Development Holdings (Pvt.) Ltd is lead & managed by a team of qualified and experienced professionals. We believe in effectiveness over efficiency, i.e. doing the right thing over doing the thing right. Therefore we put a lot of effort in the pre project planning & evaluation stage to ensure that we are taking a right decision. Through this we have been able to achieve our targets and maintain a high growth rate continuously.

Regional Development Holdings (pvt) Ltd is today a **LEADING SRI LANKAN PROPERTY DEVELOPER AND GENERAL CONTRACTOR** with multi sector capability. Established in 2004, RDH today has **FIVE MAIN DIVISIONS** (1) **PROJECTS DEVELOPMENT DIVISION** (To handle Development & Housing Projects either on its own or in Joint Venture with both Local and Foreign Collaborators on turnkey basis or otherwise), (2) **TOURISUM DEVELOPMENT SECTOR DIVISION** to undertake the travel and tourism and infrastructure development of tourism sector such as construction of hotels sallies etc (3) **A BUILDING CONSTRUCTION DIVISION** (To handle construction of apartments, houses and high-rise buildings, Shop and Office Complexes and other commercial buildings, factories, warehouses, housing complexes, etc.), (4) **DESIGN AND CONSULTANCY DIVISION**: To handle Architectural Designs, Structural Designs, M&E Designs and Project Management of construction Projects(5) **INTERNATIONAL DIVISION** to undertake the construction work overseas.
Vision

• To be the premier Property Developer & Constructor in the region by optimising value for money

Mission

• To deliver high quality end product at a lower price than industry average through value engineering and vertical integration of property development value chain

Values

• Ensure high quality even at a loss
• Be prepared, always plan ahead
• Integrity
• Understand the customer requirements
• Achieve deadlines, be punctual
• Always be aware of value for money
• Continuous improvement, we are good but we can do better

RDH is today a Leading Multi Disciplinary company with ICTAD registration for construction. Apart from its CONSTRUCTION capability, owns and operates the following UNITS which are complementary to the Construction Industry (a) PRECAST MANUFACTURING & SUPPLY UNIT (b) SUPPLY OF BUILDING MATERIAL UNIT (c) CONCRETE BLOCK PRODUCTION UNIT.

RDH has 2 fully owned subsidiary companies named RDH Electrical & Hardware , Regional Holidays .

RDH has worked as Joint Venture partners to numerous projects . RDH has successfully carried out several projects overseas in the Republic of Maldives.
RDH has successfully joint ventured with French Leading Medical supplier to construct operation theaters in major Hospitals in Sri Lanka. We have successfully completed Cardiologic Theater in Karapitiya Teaching Hospital and presently working in Polonnaruwa base Hospital.

RDH is backed by a CONSORTIUM OF 2 BANKERS and RDH has adequate working capital and Banking Facilities to undertake major construction & Housing projects.

Hospital Projects –
Housing Complexes
Individual Housing Construction
Commercial Buildings
Mini Hydro power and wind power Electrical Generation
Pre-cast Concrete Products

Concrete Block Manufacturing Unit
Pre-cast yard
Construction Material Supply and importation of construction Materials
Fleet of Transport vehicles
Carpentry Workshop
a. Key Personnel Involved

**Name in Full: Deepal Chinthaka Pathiraja**

**Academic Qualifications:**
- **B.Sc. (Hon) Civil Engineering**, University of Moratuwa, Sri Lanka
- **M.Eng in Structural Engineering** at University of Moratuwa, Sri Lanka
- Completed Course in Sustainable Development & Environmental Management Conducted by the Environmental Institute of Singapore under the UNDP

**Professional Affiliations:**
- Corporate member – Institution of Engineers Sri Lanka
- Corporate Member – Institute of Structural Engineers – Sri Lanka

**Previous organisations:**
- AECOM Engineering Services, Sri Lanka
  - Senior Project Manager - Construction
- National Housing Development Authority Of Sri Lanka -(under Ministry of Housing construction and Infrastructure Development of Sri Lanka)
  - Senior Construction Engineer

**Previous Projects:**
- Senior Project Manager- Halavali Resort Maldives: Construction of President Villa for Halavali Resort.
- Completed 20,000sqft Lounge building for Ms Maldivian Air Taxi Two Weeks early. Project Duration 90 days with 10 Days of Heavy Rain.
- Completed Structural Design for REETHI RAH Resort, in Male within 21 Days. With Auto Cad Drawings
- Completed 100 Condo Units for Ministry of Housing Construction & Urban Development, one month ahead of Schedule & under 5 % of the budget.

**Name in Full: Madanasinghege Don Chrishantha**

**Academic Qualifications:**
- **B.Sc. (Hon) Civil Engineering**, University of Moratuwa, Sri Lanka
- **P.G. Dip in Construction Project Management** at University of Moratuwa, Sri Lanka
- Completed Course in Sustainable Development & Environmental Management Conducted by the Environmental Institute of Singapore under the UNDP

**Professional Affiliations:**


- Corporate member – Institution of Engineers Sri Lanka
- Corporate Member – Institute of Structural Engineers – Sri Lanka

Previous organizations:
- Overseas Realty PLC (Owner of WTC & Havelock City)
  - Project Coordinator
- National Housing Development Authority Of Sri Lanka -(under Ministry of Housing construction and Infrastructure Development of Sri Lanka)
  - Senior Construction Engineer

Previous Projects:
- Project Coordinator- Havelock City – Phase 01 Development - Colombo
- Construction of Arch Tied Bridge connecting Skelton Road & Havelock City(35 m span)
- Completed Several Housing projects in Colombo & Suburbs –under Ministry of Housing Construction & Urban Development,

Name in Full: Upula Pushpika Dharmawardana

Academic Qualifications:
- B.Sc. (Hon) Mechanical Engineering, University of Moratuwa, Sri Lanka
- Currently following the M.Sc. in Building Services Engineering(Final Year) at University of Moratuwa, Sri Lanka

Professional Affiliations:
- Associate member – Institution of Engineers Sri Lanka

Professional Qualifications:
- Advanced Diploma in Management Accounting – CIMA (UK)

Previous organizations:
- Overseas Realty PLC (Owner of WTC & Havelock City)
  - Building Services Engineer
- Sri Lankan Airlines
  - Technical Services – Aircraft Engineering Dept.
- Dialog Telekom PLC
  - Senior Executive

Previous Projects:
- Building Services Engineer – Havelock City – Phase 01 Development – Colombo
- M&E Coordinator- Halavali Resort Maldives – Construction of President Villa for Halavali Resort.
b. On Going Projects Maldives – Construction of Staff facility Building – Maldivian Air Taxi – Project Value US 400000

c. Ongoing Projects
- The Oruthota Residencies – Gampaha

Infrastructure development has commenced.
  Land extent: 330 Perches
  Blocking out: 12.5 Perches x 24
  Priced at: Rs 4.2 Million & Rs 4.7 Million

- Modular Operation Theatre @ Karapitiya Teaching Hospital (local Partner for the French Donor)
  Construction complete.
- **Lunge Building for Maldivian Air Taxi – 40 m**  
  Client: Maldivian Air Taxi  
  Project value: Rs 40 Million  
  Construction in progress

- **Construction of Six Luxury Resorts – Wadduwa**  
  Client: TaproSpa Resort  
  Project value: Rs 100 Million  
  Infrastructure development commenced

- **Supply of Airblowers**  
  Client: DIMO (PVT) LTD  
  Project value: Rs 2.06 Million  
  Advance received and order placed to the manufacturer

- **Construction of Holiday Bungalow project with swimming pool - Bolgoda**  
  Client: Heritage tea(Pvt) Ltd  
  Project value: Rs 30 Million
Projects awarded / To be commenced

- The Cool Heaven Villas Nuwara Eliya

An Architectural Designed 6Nos of Holiday Bungalow with 3 bedrooms, living, Dining/Atrium/ pantry / family Lounge/bar /servants room & Toilet/ All attached Toilet /Fire Place and well designed landscape Garden with a place for BBQ. The bungalow is located close to the Lake Gregory overlooking the misty hill, in Nuwara- Eliya, which is a very quiet peaceful residential area.

- Modular Operation Theatre @ Polonnaruwa Hospital (Planned to commence in September)
d. Completed Projects

- **PROJECT**: Construction of President Villa, Water Bungalows & other infrastructure in Halavali Resort, Male. (Labour Only)

  **CLIENT**: Constant Group  
  **LOCATION**: Halavali Resort  
  **YEAR OF COMPLETION**: 2010

  **VALUE**: Rs. 170 Million (Architectural finishing Materials supplied by the Client

- **PROJECT**: Construction of 14,000 sqft Lounge building, in Male Airport. (Labour Only)

  **CLIENT**: Maldivian Air Taxi (Pvt) Ltd
LOCATION: Male International Airport
YEAR OF COMPLETION: 2009
VALUE: Rs. 110 Million

- PROJECT: Construction of 7000 sqft, Two story Luxury House. House Features 6 Bedrooms / Living Dining / pantry/ Kitchen/ Two Court Yards/ Terrace /Spacious balconies/ 4 Toilets/ Servants Room & Toilet/ Computer Room/ TV Lounge/ Garage

CLIENT: Mr D.M. Ratnayake, Minister Counselor, Sri Lanka Embassy in Japan
LOCATION: No: 95 Lion City, Seeduwa
PROJECT COST: 13.5 Million
YEAR OF COMPLETION: 2007

- Three Story Luxury Residence Mr. P. Rajakaruna @ Ebuldeniya 12 Million

- Two story Luxury Residence for Mr. Devakantha @ Dehiwala 9 Million

- Development of Agra Residencies – Sri Bh odi Road - Gampaha
Project completed in sold out.