

- **Assuming that we are using any third-party software, answer is no. We do not utilize any third-party software.**
9. Which modules are currently in use – like HR/MCS intelligence etc.?
- **None**
10. If they are not currently in use, are they to be developed greenfield?
- **Greenfield. Everything needs to be built clean. However, ideas of micro applications, spreadsheets and methodologies maybe applied and used as references.**
 - a. For example, if HR module is to be freshly developed, it is assumed that payroll administration, and other life cycle features from on-boarding to super-annuation of the employees have to be designed. Is this correct?
Correct.
 - b. If so, which types of employees are to be covered – only the correction facility administrators or all those mentioned in the RFP?
All mentioned in the RFP and / or as discovered during the initial study by the vendor.
11. How does the information flow between the external agencies like Interpol, UN sanction list etc.?
- a. Are interfaces available or are they to be developed afresh?
- **None exist, required to be developed afresh.**
12. Is the data conversion for each of the module part of the bid?
- a. Are main data like records like judiciary details, facility details, medical records of the convict and all the other details mentioned within the RFP maintained electronically
- **Vendor should assume responsibility of data migration in case the vendor decides to migrate existing data.**
 - b. If they are available, are these in legacy technology?
 - Data can be found in spreadsheets, Microsoft Access Databases And SQL databases (MYSQL & MSSQL)
 - c. Who maintains these records?
 - **We maintain them internally**
 - d. Supplementary data – like convicts’ belongings details, payment for his services rendered while at the jail etc. are maintained electronically or manually?
 - **Until few weeks back, majority were maintained manually with paper files. Though not comprehensive, we currently do have a digital solution for this but is not expected to integrate with the newly developed system, rather data migration or entry of data recommended.**
 - e. Are the payments electronically transferred to the convict or paid by other means like cash?
 - **Until <CIRCULAR NUMBER> that was released from the ministry of finance, most of the transactions were based on cash and few based on electronic bank transfers.**
 - f. If not, are these to be manually migrated to the proposed system?
 - **MCS will assign a steering committee along with staff that will enter data as required, in case of manual data entry.**
13. Due to the complexity of the system, the delivery has to be planned in multiple phases. Is MCS comfortable with this approach?
- **Yes, This is the ideal approach for MCS.**
14. Is MCS willing to share the IPR and help market this to other countries?

- **NO.**

15. Is there a preferred delivery methodology?

- **To be suggested by vendor. We do not have any delivery methods. However, version control of source codes and configurations should be available regardless of the delivery methods.**

16. Are the 15 modules greenfield development??

- **Yes, the entire application is expected to be greenfield development. However, the vendor may propose options that involve modification of existing opensource software which would lower the cost of the application. Please provide both options of one being the costings for modules that can be accomplished with open source software and the cost for Greenfield development so that the project steering committee may chose.**
 - a. If not then which are modules that are already developed and need to migrate to new technologies.
 - b. If greenfield development, then technologies like Microservices, Docker, Kubernetes and Cloud like AWS etc can be consider. Java / Python / .net can be used for it.
- **Since we require on premises hosting, we're removing cloud like technologies from the question as it is not required.**
- **Using containers and relevant orchestration technology is welcome. Use single or multiple programming languages depends on the vendor. However the choice must be reasoned out properly.**

17. Is it expected that Frontend development should be using AngularJS / ReactJS / NodeJS / HTML5 / PHP

- **Up to the vendor. The vendor may choose a web interface and a desktop interface (windows application) or either one. If the vendor is capable of creating multiple interfaces to interact with the core application, the vendor may present charges per interface developed so that MCS may chose from the options available.**

18. Apart from development, are areas like functional testing, Integration testing, Stress Testing, Performance testing is in scope??

- **Yes. Performance testing should be conducted along with tuning of underlying software and hardware to assure best results.**

19. Post development, should we also consider maintenance and support too in scope??

- **Yes. It's clearly mentioned in the TOR.**

20. Do let us know with whom will the ownership reside

- a. Production deployment using CI-CD
 - b. Cloud hosting, Infrastructure
- **Regardless of product phase, after the agreement of the contract, MCS assumes all ownership of all hardware and software within this project.**

21. Is there an expectation that Developers, Testers, CI-CD Deployment, Maintenance & Support team to be available??

- **No. However we will judge the team of the company to assure that the company is stable in terms of human resource.**

22. Is there a Databases is already available or is there a requirement to create a fresh database
- **Fresh databases.**
23. On whom will the onus lie for providing real time data for application??
- **MCS**
24. Is there a need to create mobile App which supports IOS, Android, Windows Or only web application?
- **Not a need, but the vendor may propose it in the initial proposal so that MCS may decide to include it in the development or to create it after the full deployment , as a separate project.**

اسم

Name: Fathimath Rishfa Ahmed

اسم

Signature:

