Project Context

At this stage, you have completed the Technical Solution Design as the Technology Consultant. You have presented the Design to RenewAgra and received approval. The project is now ready to move into the implementation phase. As part of the implementation activities, you have analyzed the various functionalities that need to be developed for RenewAgra. The analysis is given in Tables 1-7.

**Table 1**

|  |  |  |
| --- | --- | --- |
| **Functionality** | **Description** | |
| **Farmer Agenda** | Fiori mobile app for farmers, available for Android and iOS recent devices. It includes machinery and truck schedules, and irrigation and extreme weather alerts. Deployed on SAP BTP. | |
| **Assessment** | | |
| Attributes | Is this a new solution?  Does it replace existing functionality?  If it replaces existing functionality, will the old function remain available?  Does it change existing data models that can impact other processes?  Does it change existing business logic that can impact other processes?  Does the expected usage involve a large number of users working concurrently?  Does it involve massive amount of data being processed to reach the expected output? | Yes No N/A No No No  No |
| Notes | Requires network availability at end-user location and compatible devices |  |

**Table 2**

|  |  |  |
| --- | --- | --- |
| **Functionality** | **Description** | |
| **Farmer Bookkeeper** | Fiori mobile app for farmers covering potential revenue and market trackers. Deployed on SAP BTP. | |
| **Assessment** | | |
| Attributes | Is this a new solution?  Does it replace existing functionality?  If it replaces existing functionality, will the old function remain available?  Does it change existing data models that can impact other processes?  Does it change existing business logic that can impact other processes?  Does the expected usage involve a large number of users working concurrently?  Does it involve massive amount of data being processed to reach the expected output? | Yes No N/A No No No  No |
| Notes | Requires network availability at end-user location and compatible devices |  |

**Table 3**

|  |  |  |
| --- | --- | --- |
| **Functionality** | **Description** | |
| **Crop Planner** | Analytical tools for CropCo Operation Managers: machinery availability optimization (allocation,  relocation, maintenance), leveraged by current EnvoData infrastructure | |
| **Assessment** | | |
| Attributes | Is this a new solution?  Does it replace existing functionality?  If it replaces existing functionality, will the old function remain available?  Does it change existing data models that can impact other processes?  Does it change existing business logic that can impact other processes?  Does it produce an output that is used as an input in any automated subsequent activity?  Does the expected usage involve a large number of users working concurrently?  Does it involve massive amount of data being processed to reach the expected output? | Yes Yes Yes No No No  No  No |
| Notes | None |  |

**Table 4**

|  |  |  |
| --- | --- | --- |
| **Functionality** | **Description** | |
| **Fleet Planner** | Analytical tools for TransCorp Operation Managers: machinery availability optimization (allocation,  relocation, maintenance), leveraged by current EnvoData infrastructure | |
| **Assessment** | | |
| Attributes | Is this a new solution?  Does it replace existing functionality?  If it replaces existing functionality, will the old function remain available?  Does it change existing data models that can impact other processes?  Does it change existing business logic that can impact other processes?  Does it produce an output that is used as an input in any automated subsequent activity?  Does the expected usage involve a large number of users working concurrently?  Does it involve massive amount of data being processed to reach the expected output? | Yes Yes Yes No No No  No  No |
| Notes | None |  |

**Table 5**

|  |  |  |
| --- | --- | --- |
| **Functionality** | **Description** | |
| **Shipments Planner** | Analytical tools for TransCorp Operation Managers with real-time decision support capabilities – monitor fleet operations, advise on rerouting, leveraged by current EnvoData infrastructure | |
| **Assessment** | | |
| Attributes | Is this a new solution?  Does it replace existing functionality?  If it replaces existing functionality, will the old function remain available?  Does it change existing data models that can impact other processes?  Does it change existing business logic that can impact other processes?  Does it produce an output that is used as an input in any automated subsequent activity?  Does the expected usage involve a large number of users working concurrently?  Does it involve massive amount of data being processed to reach the expected output? | Yes Yes Yes No No No  No  No |
| Notes | GPS/transponder data capture needs to be working across different locations.  Real-time response depends on fast data processing |  |

**Table 6**

|  |  |  |
| --- | --- | --- |
| **Functionality** | **Description** | |
| **Farming Planner** | Analytical tools for EnvoData Data Analysts Managers: integration of Geographical Information Systems with imagery provided by drones and weather data provided by drones and other organizations. Advanced forecasting and simulation activities for crop yields and extreme weather alerts (short-term threats like floods warning or mid-term threats like drought) leveraged by current EnvoData infrastructure | |
| **Assessment** | | |
| Attributes | Is this a new solution?  Does it replace existing functionality?  If it replaces existing functionality, will the old function remain available?  Does it change existing data models that can impact other processes?  Does it change existing business logic that can impact other processes?  Does it produce an output that is used as an input in any automated subsequent activity?  Does the expected usage involve a large number of users working concurrently?  Does it involve massive amount of data being processed to reach the expected output? | Yes Yes Yes No No No  No  No |
| Notes | Sensor data capture needs to be working across different locations.  Real-time response depends on fast data processing |  |

**Table 7**

|  |
| --- |
| **Q-Gate Output** |
| Users are trained, and access details were sent to the users |
| Documentation handover took place |
| Support team is trained and has access to the support tools |