

LRQS-2021-9167960 Building out period tracking engine for Oky
Clarifications to Questions from Bidders
Part 3 - 6-Jul-2021

No	Reference	Question from Bidders	Clarification from UNICEF
1	Annex B: Term of Referene (TOR) 1. Background 2. Objectives, Purpose & Expected results 11. Any other information	TOR mentioned that bidders can find the link to the GitHub on the Oky website but bidders seem unable to find it, - Could UNICEF please be more specific where bidders can find it?	The link to the whitelabelled code on GitHub is provided on the website under 'open source'. The GitHub repo is here: https://github.com/Okky-period-tracker/period-tracker-app-whitelabelled-code
2	Others: Budget indication	- What is UNICEF's budget for this project?	Kindly be advised to submit your best financial proposal in alignment with all requirements specified on TOR. If bidder wishes to propose different solutions / costing options, please do include these different options in the proposal (ensure to highlight that these are options, not added up to the total lumpsum). The evaluation team will consider the different options and come back with questions or clarifications during the evaluation process if required.
3	Annex B: Term of Referene (TOR) 3. Descriptipon of assignments	- Is there a current technical infrastructure that bidder need to work within? - If so, what is that infrastructure?	The current cloud service provider is Digital Ocean. The only requirement is that the solution can be hosted or connected to Digital Ocean.
4	Annex B: Term of Referene (TOR) 3. Descriptipon of assignments	Bidder could see the data points available within the current application, - Could UNICEF please give bidder access to the facts that have informed the rules based AI? - Can UNICEF please outline those rules? - How successful are the current predictions?	This information will be provided to the winning bidder.
5	Annex B: Term of Referene (TOR) 3. Descriptipon of assignments 4. Deliverables	- Is UNICEF looking for a team to revise the facts that the rules based AI is using based on different health data?	UNICEF is open to suggestions from the bidder as to the best approach. As outlined in the TOR, the app (and hence prediction engine) needs to run on old phones and remain lightweight. The app should offer period predictions to both online and offline users.
6	Annex B: Term of Referene (TOR) 3. Descriptipon of assignments - Prediction engine	- Why is UNICEF looking at ML-based Prediction Engine? - What are the issues / challenges with the current Rules-based Prediction?	As described in the ToR, the current rule-based prediction engine does not provide accurate enough predictions for users with irregular periods. UNICEF is looking for an intelligent prediction engine that can predict to a higher level of accuracy the periods for all users, especially those with irregular periods. UNICEF expects bidders to suggest which methodology should be employed to build an engine that fulfills all the requirements outlined in the TOR.
7	Annex B: Term of Referene (TOR) 3. Descriptipon of assignments - Prediction engine	There is mention of Offline mode for Prediction on TOR, - What does this mean? Is it... 1) Prediction engine locally on the mobile to serve predictions all the time? 2) Prediction engine on the server, and once the prediction api greturns the prediction, it is available offline all the time?	UNICEF is looking at least at option 1. Many users download the app and have no internet connectivity from then onwards. Bidders should suggest the best approach to cater for those with no connectivity and those with intermittent connectivity.

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8	Annex B: Term of Referene (TOR) 3. Descritipon of assignments - Prediction engine	There is mention of Offline mode for Prediction. There is also mention of backend engine on the Server (containerized or serverless) on TOR, - What is the need? Prediction Engine in the Mobile or on the Server? - or, Hybrid? - In case of hybrid, what is the expectation?	UNICEF is open to suggestions from the bidder as to the best approach. As outlined in the TOR, the app (and hence prediction engine) needs to run on old phones and remain lightweight. The app should offer period predictions to both online and offline users. Bidders should propose a technical solution that fullfills all the requirements.
9	Annex B: Term of Referene (TOR) 3. Descritipon of assignments - Data	There is this requirement - "Engine should be able to adjust future periods based on historic data of the user", - Where is the Historic data of the user stored (Server, or local Mobile app)? - What historic data features are stored?	This is explained on the website under 'principles'. Only historic cycle dates are saved in the database. For offline users all data is only stored locally.
10	Annex B: Term of Referene (TOR) 11. Any other information	Bidder has gone thru' Oky's privacy policy. It states that Health data like dates of past and current periods as well as mood, body or activity events are being collected stored, - Where are these stored (locally on the mobile app, or on the server, or both places)?	This is explained on the website under 'principles'. Only historic cycle dates are saved in the database (under Oky's strict data governance processes). User inputs on the day cards such as mood or body are stored locally on the user's device.
11	Annex B: Term of Referene (TOR) 3. Descritipon of assignments - Oky app	On the Okay app, Calendar feature, there are blue-colored dates which are supposed ot be "No Period" dates, - Why only few dates are highlighted there? - and, not all intervening no period days between cylces?	The blue dates indicate potential fertile days.
12	Annex B: Term of Referene (TOR) 3. Descritipon of assignments - Testing	The earlier response states that only the Production server will be provided for Deployment, and all Dev/Test will be the Supplier's. - What about User Acceptance Testing (UAT) and related environment? - Will UNICEF provide that? - or, Will the vendor need to provide it, and provide access to UNICEF UAT team?	UNICEF will provide access to the testing environment to the awarded bidder.
13	Annex B: Term of Referene (TOR) 5. Reporting	There is a clause in the requirement - "Set up automatic generation of monthly reports that check accuracy of the prediction engine (for instance using the historic data as the training set and the new monthly data as the test set)". - How is this report required? Do you need a Web dashboard? Or a CSV exported into some folder? - Is this a summary report required, or at user-level? - Where are the current feedback from the users stored? (feedback on Predictions)? - When a user makes changs to the cycle on the calendar, how does that info get stored currently and where? - What are the KPIs required in the report?	The bidder is expected to outline a suggested approach for this.