

S. No.	Section No.	Content of the RFP requiring clarification	Clarification Sought	KSCCL Response
1	Technical Specification	<p>Servers and databases</p> <p>The solid waste management application system needs a server with different tiers like Web tier, App tier and Database tier which will be used in designing the application and for data security and demarcation of each server. The Web Server will be used to launch the client application remotely through web browsers. The servers to be redundant and be on high availability mode</p>	<p>Kindly, brief on HA requirement, do we need to propose 2 dedicated server to achieve HA or is there any SLA or uptime we need to match. Also in the BoM, 1 qty of server asked.</p>	<p>The requirement is to host the application on cloud and all the SLA's and other related requirement would be provided in RFP</p>
2	Technical Specification	<p>Servers and databases</p> <p>The solid waste management application system needs a server with different tiers like Web tier, App tier and Database tier which will be used in designing the application and for data security and demarcation of each server. The Web Server will be used to launch the client application remotely through web browsers. The servers to be redundant and be on high availability mode</p>	<p>Kindly, help in understanding the SLA and uptime requirement of IT infrastructure.</p>	<p>SLA and uptime to be as per Meity guidelines, since it is hosted on cloud and the details would be shared during RFP process</p>
3	Technical Specification	<p>Storage</p> <p>Storage to be on cloud and to be unlimited and can be expanded anytime with just few clicks</p> <p>Network connection to cloud is the responsibility of SI</p>	<p>Is this storage require for archiving purpose ? Or storing of app data ?</p> <p>If it is for application data, please confirm on the IOPS requirement.</p> <p>If it for archiving, can you confirm on the retention period.</p>	<p>Storage is for archival purpose and the archival policy to be shared during RFP For application data details to be shared during RFP</p>
4	Technical Specification	Network	Is there any requirement of P2P or S2S VPN connection ? Kindly,	during RFP stage

5	Technical Specification	<p>Network</p> <p>All the data generated via GSM/SIM/GPS have to be stored at a server in redundant mode Network connectivity will be the responsibility of the vendor. Server will be situated in the public cloud and to be easily accessible over network/internet. The communication network is the integral part which helps to communicate between the field devices and central application. All the components of the network where all the processing of the information is done are to be interconnected for better communication and data processing</p>	Kindly, confirm on the minimum bandwidth requirement.	Details to be shared during RFP
6	NA	General	Any Backup solution requirement ?	Cloud backup is envisaged and the details to be provided during RFP
7	NA	General	Please help us in understanding the tentative project go-live timeline.	Timelines to be shared during RFP and later
8	Technical Specifications; Weigh Bridge controller	Weigh Bridge Controller-	Please explain what is the exact requirement of this controller. Is this supposed to interface with weighbridge software and facilitate digital capturing of the data & communication to control room?	The envisaged solution is to have gateway connected to the existing weigh bridge connection and to the centralized application, further details to be shared during RFP
9	Technical Specifications; Weigh Bridge controller	Weigh Bridge Controller-	Please clarify whether we need to interface with the existing weighbridge or new weighbridge has to be provided?	SWM application need to interface with existing weigh bridge system

10	Solid Waste Management System Field Equipment BoM	SWM software	There are neither any functional specifications for the software nor the detailed expected working of the system has been provided. This may lead to bidders providing different solutions for the same. Requesting you to provide clarification on this.	Details to be shared during RFP
11	Solid Waste Management System Field Equipment BoM	Bill of Quantity	In the BoQ the control room SWM software with dashboard has not been asked explicitly. Please confirm that whether we need to include its pricing under item 7 or not.	Dashboard should be part of SWM application.
12	Technical Specifications; Vehicle tracking system - GPS technical specifications	Integration of existing GPS system is part of the project and to be integrated and implemented by the Service Provider	Please clarify what kind of system has been installed to identify the integration process.	Details to be shared during RFP

13	Loadbalancer	Minimum hardware requirement	<p>Request you to mention the minum hardware and feature requirement as The Load Balancer device should be a dedicated Hardware Appliance with the following features:</p> <p>a. Should support multiple virtual network functions in which each VNF has a dynamic or dedicated resource allotted to it like CPU, RAM, Hard Disk, SSL cores.</p> <p>b. The appliance shall deliver the high availability required by modern data centers. It should support Active/Passive or Active / Active HA configurations using standard VRRP protocol.</p> <p>c. The Load Balancer shall automatically synchronize configurations between the pair and automatically failover if any fault is detected with the primary unit.</p> <p>The Load Balancer shall support offloading of SSL connections and should deliver 20 Gbps or better of SSL throughput on 2048 key. Proposed device should have minimum 8 x 10G SFP+ ports prepopulated with 512 Gb RAM and 4 TB hard drive Local Application Switching, Server load Balancing, HTTP,TCP Multiplexing, HTTP Pooling, HTTP Pipelining, Compression, Caching, TCP Optimization, Filter-based Load Balancing, Transparent Deployments, Content-based Load Balancing, Persistency, HTTP Content Modifications, Band Width Management(BWM), Support for connection pooling to TCP request, Support for distributed denial-of-service (DDoS) protection</p> <p>"The solution should support XML-RPC for integration with 3rd party management and monitoring. Should also support SAA, SAML, Hardware binding and AAA support along with SSO. Solution must support machine authentication based on combination of HDD ID, CPU info and OS related parameters i.e.</p>	The envisaged solution is hosted on cloud, the load balancer should also be provide as cloud service
14	AntiVirus Solution	It is the responsibility of the Service provider to provide Antivirus licenses on all desktop/laptop/servers/databases provisioned under this project. All the licenses to be valid for full duration of operational period. The anti-virus software should be of renowned brands	Kindly share the licenses count	Details to be shared during RFP

15	Additional	Firewall	Kindly confirm if firewall will be part of the solution, If yes kindly share the scope and specification	The envisaged solution is hosted on cloud, the firewall should also be cloud hosted
16	Technical Specifications; Weigh Bridge controller	Weigh Bridge Controller-	Please explain what is the exact requirement of this controller. Is this supposed to interface with weighbridge software and facilitate digital capturing of the data & communication to control room?	Please refer response of Question 8
17	Technical Specifications; Weigh Bridge controller	Weigh Bridge Controller-	Please clarify whether we need to interface with the existing weighbridge or new weighbridge has to be provided?	Please refer response of Question 9
18	Solid Waste Management System Field Equipment BoM	SWM software -	There are neither any functional specifications for the software nor the detailed expected working of the system has been provided. This may lead to bidders providing different solutions for the same. Requesting you to provide clarification on this.	Please refer response of Question 10
19	Solid Waste Management System Field Equipment BoM	Bill of Quantity	In the BoQ the control room SWM software with dashboard has not been asked explicitly. Please confirm that whether we need to include its pricing under item 7 or not.	Please refer response of Question 11
20	Technical Specifications; Vehicle tracking system - GPS technical specifications	Integration of existing GPS system is part of the project and to be integrated and implemented by the Service Provider	Please clarify what kind of system has been installed to identify the integration process.	Please refer response of Question 12