

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
1		5		Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components.	Request to clarify if the projects can be on public cloud or it needs to be a on-premise hosted solution.	Please refer Final Eol	General	Please refer clause 4.4.6 of Final Eol
2		5	DEFINITIONS & ACRONYMS	Similar Nature of Project : Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components.	This should be rephrased as below to broaden the scope of past experience around AI/ML for prospective bidder. "Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components".	Please refer Final Eol	General	Please refer Definitions & Acronyms
3		5	Similar Nature of Project	Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components.	Request you to kindly ammend the clause as per changes suggested below- Similar nature of project means creation of centralized repository (data lake/ data lakehouse/implementation of AI/ML components) of large database preferably resident database along with integration with multiple heterogenous datasets. OR Request for not to mandate AI/ML Implementation along with creation of centralized repository (Data Lake/ data lake house) OR Independent Clause for experience related to Implementation of AI/ML components.	Please refer to the response for the query at S. No. 2	General	-
4		5	Definitions & Acronyms	Similar Nature of Project: Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components.	We request that projects wherein "AI based Video Analytics are deployed for city administration and citizen safety" shall be considered for Similar nature of project. Kindly Confirm.	Please refer to the response for the query at S. No. 2	General	-
5	2.2	8	Technical Capability & Experience of OEM	The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission	Our Parent Company Quicket Solutions based out of US and have the Technical capability as asked and turnover criterion also as asked. We Quickgov Solutions Private limited (100% subsidiary working for Indian Operations) Kindly provide clarity to make use of parent company turnover criterion and Experience criterion to bid for this opportunity.	As per Eol	ELIGIBILITY CRITERIA	-
6		8, 2.2-2		Technical Capability & Experience of OEM	Technical capability of SI should be asked separately. Please The OEM should have completed at-least one-project of propossed product. The SI should have completed at-least one-project of similar nature / analytics solution experience.	As per Eol	ELIGIBILITY CRITERIA	-
7	CHAPTER-2: ELIGIBILITY CRITERIA	8		Technical Capability & Experience of OEM - The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission.	We request you to kindly amend the caluse as:- Technical Capability & Experience of OEM/ bidder - The OEM/ proposed solution should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission.	As per Eol	ELIGIBILITY CRITERIA	-

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8	CHAPTER-2	8	ELIGIBILITY CRITERIA, Clause 2.2 , Pt.No.2	<p>Technical Capability & Experience of OEM : The OEM should have completed at-least one project of similar nature (as mentioned 01st in 'definitions & acronyms') from April 2018 till the last date of bid submission.</p> <p>Definition (i)Similar Nature of Project : Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components.</p> <p>(ii) Bidder/ OEM/ System Integrator - A firm submitting a proposal in response to this EOI</p>	Does the experience should be from India or global experience will also to counted to comply this criteria. Please clarify.	Please refer to the response for the query at S. No. 5	ELIGIBILITY CRITERIA	-
9		8		<p>The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission.</p> <p>Annexure-3 & Work Order and Work Completion Certificates from the client</p>	Request to confirm if the documents required to be submitted can be submitted by the bidder since the global CSP's don't bid directly and hence there are no direct workorder and work completion certificates which are issued to the cloud CSP.	Please refer to the response for the query at S. No. 5	ELIGIBILITY CRITERIA	-
10	CHAPTER-2	8	ELIGIBILITY CRITERIA, Clause 2.2 , Pt.No.2	<p>Technical Capability & Experience of OEM : The OEM should have completed at-least one project of similar nature (as mentioned 01st in 'definitions & acronyms') from April 2018 till the last date of bid submission.</p> <p>Definition (i)Similar Nature of Project : Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components.</p> <p>(ii) Bidder/ OEM/ System Integrator - A firm submitting a proposal in response to this EOI</p>	This experience is required from OEM or SI the actual bidder who is submitting the bid on behalf of OEM. Please clarify.	Please refer Final Eol	ELIGIBILITY CRITERIA	Please refer clause 2.2.2
11		8	CHAPTER-2: ELIGIBILITY CRITERIA Section 2.2	<p>Technical Capability & Experience of OEM</p> <p>The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission.</p>	<p>1. Please confirm if the Statement should be Bidder / OEM</p> <p>2. Please confirm that Government projects executed for countries aborad will be allowed as a reference here.</p>	Please refer to the response for the query at S. No. 5 and 10	ELIGIBILITY CRITERIA	-
12		8	2.2	<p>The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission.</p> <p>"Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components"</p>	Data Analytics OEM may not have experience of creating a Data Lake or a Lakehouse as they are primarily the consumer of the data sourced from Data Lake or Lakehouse. We would request the department to separate out Data Lake creation and AI/ML implementation experience. AI/ML experience of the Data Analytics OEM must be considered irrespective of its data lake creation experience.	Please refer to the response for the query at S. No. 2	ELIGIBILITY CRITERIA	-

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13		8	2.2	The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission. "Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components"	Data Analytics OEM may not have experience of creating a Data Lake or a Lakehouse as they are primarily the consumer of the data sourced from Data Lake or Lakehouse. We would request the department to separate out Data Lake creation and AI/ML implementation experience. AI/ML experience of the Data Analytics OEM must be considered irrespective of its data lake creation experience.	Please refer to the response for the query at S. No. 2	ELIGIBILITY CRITERIA	-
14		8	2.2	The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission. "Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components"	Data Analytics OEM may not have experience of creating a Data Lake or a Lakehouse as they are primarily the consumer of the data sourced from Data Lake or Lakehouse. We would request the department to separate out Data Lake creation and AI/ML implementation experience. AI/ML experience of the Data Analytics OEM must be considered irrespective of its data lake creation experience.	Please refer to the response for the query at S. No. 2	ELIGIBILITY CRITERIA	-
15		8	2.2	The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission. "Similar nature of project means creation of centralized repository (data lake/ data lakehouse) of large database preferably resident database along with integration with multiple heterogenous datasets and thereafter implementation of AI/ML components"	Data Analytics OEM may not have experience of creating a Data Lake or a Lakehouse as they are primarily the consumer of the data sourced from Data Lake or Lakehouse. We would request the department to separate out Data Lake creation and AI/ML implementation experience. AI/ML experience of the Data Analytics OEM must be considered irrespective of its data lake creation experience.	Please refer to the response for the query at S. No. 2	ELIGIBILITY CRITERIA	-
16		8	Clause No. 2.2 - Technical Capability & Experience of OEM	The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission.	Since, the solution being implemented for the state prospective, we believe that the whole purpose of the EOI is to selection of best solution for the state. We request you to consider the above request as under, so that the selection/assessment of solution can be evaluation on equatable platform : 1) Only Leaders of Magic Quadrant report 2023 for Data Integration Tools should be consider for the requirement. 2) One OEM should propose their solution with only one SI 3) Integrated Application Platform should be considered as solution	As per Eol	ELIGIBILITY CRITERIA	-
17		8	2.2-2	The OEM should have completed at- least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission	Can this completed project be from any industry vertical within and outside of india?	As per Eol	ELIGIBILITY CRITERIA	-
18		8	2.2 - 2	The OEM should have completed at- least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission	Can this completed project be from any industry vertical within and outside of india?	As per Eol	ELIGIBILITY CRITERIA	-
19		8	2.2 Point 2	The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission	Global experience should be considered. Some of these customer are non-referenceable. In that case letter from competent authority from OEM should be sufficient. These references might be white labelled	Please refer to the response for the query at S. No. 5	ELIGIBILITY CRITERIA	-
20		8	2.2.2	Technical Capability & Experience of OEM	Kindly change OEM to Bidder/OEM as same has been mentioned every where in 2.2	Please refer Final Eol	ELIGIBILITY CRITERIA	Please refer clause 2.2.4
21		8	2.2.2	Technical Capability & Experience of OEM	Kindly change OEM to Bidder/OEM as same has been mentioned every where in 2.2	Please refer to the response for the query at S. No. 20	ELIGIBILITY CRITERIA	-

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22	2.2.2	8		Technical Capability & Experience of OEM	Kindly change OEM to Bidder/OEM as same has been mentioned every where in 2.2	Please refer to the response for the query at S. No. 20	ELIGIBILITY CRITERIA	-
23	2.2.2	8		Technical Capability & Experience of OEM	Kindly change Work Order and Work completion certificate to be provided by Bidder/OEM OR Self Certification from Bidder/OEM	Please refer Final Eol	ELIGIBILITY CRITERIA	Please refer clause 2.2.2
24		8	2.2.2	Technical Capability & Experience of OEM	Kindly change Work Order and Work completion certificate to be provided by Bidder/OEM OR Self Certification from OEM	Please refer to the response for the query at S. No. 23	ELIGIBILITY CRITERIA	-
25		8	2.2.2	Technical Capability & Experience of OEM	Kindly change Work Order and Work completion certificate to be provided by Bidder/OEM OR Self Certification from OEM	Please refer to the response for the query at S. No. 23	ELIGIBILITY CRITERIA	-
26		8	2.2.2	Technical Capability & Experience of OEM	Kindly change OEM to Bidder/OEM as same has been mentioned every where in 2.2	Please refer to the response for the query at S. No. 23	ELIGIBILITY CRITERIA	-
27		8	2.2.2	Technical Capability & Experience of OEM	Kindly change Work Order and Work completion certificate to be provided by Bidder/OEM OR Self Certification from OEM	Please refer to the response for the query at S. No. 23	ELIGIBILITY CRITERIA	-
28	CHAPTER-2	8	ELIGIBILITY CRITERIA -> 2.2	S.No.2 Technical Capability & Experience of OEM The OEM should have completed at-least one project of similar nature (as mentioned in 'definitions & acronyms') from 01st April 2018 till the last date of bid submission	The mentioned clause is bias and restrictive in nature for a specific OEM, in terms of similar project. Request to clarify if there is any specific OEM that is being preferred,	Please refer to the response for the query at S. No. 10	ELIGIBILITY CRITERIA	-
29		8	CHAPTER 2: ELIGIBILITY CRITERIA	2.2 A Bidder / OEM participating in the procurement process shall possess the following minimum pre-qualification / eligibility criteria	Is this criteria is applicable to both Bidder and OEM or it should be applicable to any one of the participant. Kindly clarify	Please refer to the response for the query at S. No. 20	ELIGIBILITY CRITERIA	-
30	2.2	8	Financial: Turnover from IT/ ITeS	Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	Our Parent Company Quicket Solutions based out of US and have the Technical capability as asked and turnover criterion also as asked. We Quickgov Solutions Private limited (100% subsidiary working for Indian Operations) Kindly provide clarity to make use of parent company turnover criterion and Experience criterion to bid for this opportunity.	Please refer Final Eol	Financial Turnover	Please refer clause 2.2.3

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31	CHAPTER-2: ELIGIBILITY CRITERIA	8	2.2 Sl. 3	Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	We request you to amend this clause as below: Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021- 22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 100 Crores. OR Average Annual Turnover from IT/ITeS of the Bidder/OEM/Affiliate Group Entities during the last three financial years, i.e., from 2020-21, 2021- 22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	Please refer response for the query at S. No. 30	Financial Turnover	-
32	2.2	8	3. Financial: Turnover from IT/ ITeS	Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	Exemption for MSME and Start-ups We request you to kindly exempt Turnover and Performance Criterion for MSE and Start-ups as per the GOI and other relevant circulars. The circular is enclosed for your kind consideration.	Please refer response for the query at S. No. 30	Financial Turnover	-
33		8	CHAPTER-2: ELIGIBILITY CRITERIA	Financial: Turnover from IT/ ITeS Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	We request you to kindly amend the clause as under:- Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 80 Crores.	Please refer response for the query at S. No. 30	Financial Turnover	-
34		8	Pre-qualification/ Eligibility criteria. Financial: Turnover from IT/ ITeS	Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	We M/s Cyfuture, providing our services in the domain of IT/ITeS, since last 23+ Years to Major of Govt. / Enterprises Customers. We are also keen to propose our best solution for the project. We request you to please reduce the Average Annual Turnover Value. Kindly allow at least Rs. 100 Crores as Average Annual Turnover in Last 3 Years. Please amend this clause as:- "Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 100 Crores."	Please refer response for the query at S. No. 30	Financial Turnover	-
35		8, 2.2-3		PQ-Turnover	Average Annual Turnover from IT/ITeS of the Bidder should be >=1000 cr	Please refer response for the query at S. No. 30	Financial Turnover	-
36		8	CHAPTER-2: ELIGIBILITY CRITERIA Section 2.2	Financial: Turnover from IT/ ITeS Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 500 Crores.	Please refer response for the query at S. No. 30	Financial Turnover	-
37		8	CHAPTER-2: ELIGIBILITY CRITERIA Point 2.2 PQ, Sl. No-3	Financial Turnover from IT/ ITeS: Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	We request you to kindly amend the clause as "Financial Turnover: Average Annual Turnover of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 300 Crores out of which minimum of Rs. 100 Crores Average Annual Turnover during the last three financial years, .	Please refer response for the query at S. No. 30	Financial Turnover	-
38		8	2.2-3	Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021- 22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	Can the joint turnover of the OEM + Bidder (bidder group companies together) be considered for this?	As per Eol	Financial Turnover	-
39		8	2.2 - 3	Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021- 22 and 2022- 23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	Can the joint turnover of the OEM + Bidder(bidder group companies together) be considered for this?	As per Eol	Financial Turnover	-

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40		8	CHAPTER-2: ELIGIBILITY CRITERIA	Financial: Turnover from IT/ ITeS Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	We request you to kindly amend the clause as under:- Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 80 Crores.	Please refer response for the query at S. No. 30	Financial Turnover	-
41	CHAPTER-2	8	ELIGIBILITY CRITERIA -> 2.2	S.No.3 Financial: Turnover from IT/ ITeS Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	Request to kindly modify clause as below: Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores. OR Average Annual Turnover from IT/ITeS of the Bidder/ OEM/ Incase of consortium combined turnover of Lead Bidder and Consortium Partner during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores.	Please refer response for the query at S. No. 30	Financial Turnover	-
42	2.2	8	Certification	CMMI Level 5 (from CMMI institute)	Kindly relax it to CMMI level 3.	Please refer Final Eol	Certification	Please refer clause 2.2.6
43	CHAPTER-2: ELIGIBILITY CRITERIA	8	2.2 Sl. 6	CMMI Level 5 (from CMMI institute)	We request you to amend this clause as below: CMMI Level 3 (from CMMI institute) Or CMMI Level 3 (from CMMI institute) from Affiliate Group Entities	Please refer to the response for the query at S. No. 42	Certification	-
44	Generic				We request to include a clause allowing CMMI certificates from the group entities as well.	As per Eol	Certification	-
45	2.2	8	6. Certification	CMMI Level 5 (from CMMI institute)	Exemption for MSME and Start-ups As getting CMMI levels takes time we request that MSME and Start-ups be exempted from this certification.	As per Eol	Certification	-
46		8		CMMI Level 5 (from CMMI institute)	Request to confirm if this is required to be submitted by the bidder	Please refer Final Eol	Certification	Please refer clause 2.2.6
47		8	Pre-qualification/ Eligibility criteria.	CMMI Level 5 (from CMMI institute)	CMMI Level 3 also the valid certification, we request you please also allow CMMI Level 3 For the wider Participation and healthy competition. Please amend this clause as:- • CMMI Level 3 • CMMI Level 5	Please refer to the response for the query at S. No. 42	Certification	-
48	Chapter 2, Eligibility Criteria table point no. 6	8	Certification	CMMI Level 5 (from CMMI institute)	The Bidder/ OEM should be CMMI Level 5	Please refer to the response for the query at S. No. 46	Certification	-
49		8	CHAPTER-2: ELIGIBILITY CRITERIA; Point 2.2 PO Sl No-6	Certification: CMMI Level 5 (from CMMI institute)CMMI Level 5 (from CMMI institute)	We request you to kindly amend the clause as "	Please refer to the response for the query at S. No. 42	Certification	-
50	Chapter 2, Eligibility Criteria table point no. 6	8		CMMI Level 5 (from CMMI institute)	The Bidder/ OEM should be CMMI Level 5	Please refer to the response for the query at S. No. 46	Certification	-
51		8	2.2.6	CMMI Level 5 (from CMMI institute)	Kindly clarify that this can be produced by Bidder/OEM, since most of the OEMs don't have this certificate	Please refer to the response for the query at S. No. 46	Certification	-
52		8	2.2.6	CMMI Level 5 (from CMMI institute)	Kindly clarify that this can be produced by Bidder/OEM, since most of the OEMs don't have this certificate	Please refer to the response for the query at S. No. 46	Certification	-
53		8	2.2.6	CMMI Level 5 (from CMMI institute)	Kindly clarify that this can be produced by Bidder/OEM, since most of the OEMs don't have this certificate	Please refer to the response for the query at S. No. 46	Certification	-

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54		8	2.1	The criteria given in the succeeding paragraphs must strictly be fulfilled by the Bidder/ OEM. The Bidder/ OEM must submit documentary evidence in support of their claim for fulfilling the criteria and they should submit an undertaking on their letter heads to the fairness of these documents in support of their claim while submitting the Bids. The bids received without documentary evidence will be out rightly rejected.	Bidder/OEM is mentioned. We suggest it should be Bidder and OEM.	Please refer Final Eol	ELIGIBILITY CRITERIA	Please refer clause 2.1
55		9	Clause 3.4	The broad category of work required for implementation of the SMART project includes: a) Creation of Centralized Repository (Data Lake) b) Development of Rule-Based Engine c) Implementation & Roll-out d) Augmentation with AI/ML Use of IoT DR for SMART	(i) The on premises Data Lake in RISL DC is envisaged for this project or cloud based solution can be considered for designing the solution. Please clarify. (ii) If in case RISL is open for cloud based solution with both DC & DR on cloud based solution , kindly clarify whether it will be a private cloud or Public cloud can also to considered for this project. Please clarify.	Please refer to the response for the query at S. No. 01	General	-
56		9	Clause 3.4	The broad category of work required for implementation of the SMART project includes: a) Creation of Centralized Repository (Data Lake) b) Development of Rule-Based Engine c) Implementation & Roll-out d) Augmentation with AI/ML Use of IoT DR for SMART	(i) The on premises Data Lake in RISL DC is envisaged for this project or cloud based solution can be considered for designing the solution. Please clarify. (ii) If in case RISL is open for cloud based solution with both DC & DR on cloud based solution , kindly clarify whether it will be a private cloud or Public cloud can also to considered for this project. Please clarify.	Please refer to the response for the query at S. No. 01	General	-
57		9	3.1	Rajasthan is known as a pioneer in the country to establish good governance by using IT in policy making as well as service delivery. Taking this series of innovations and program further, using new technologies like Artificial Intelligence/Machine Learning (AI/ML)/Data cloud, DoIT&C/RISL has envisioned to automatically identify eligible beneficiaries and automate real-time service or benefit delivery through 'SMART' (Service Management with Artificial Intelligence and Real Time System) project in a quick and transparent online process.	Is SMART envisioned to be a front office system?	As per Eol	General	-
58		9	3.1		Is SMART envisioned to be a front office system?	Please refer to the response for the query at S. No. 57	General	-
59		9	3.2	'SMART' will be used as a Service Management platform using AI/ML for Real-time Auto Delivery of benefits and services to potentially eligible beneficiaries.	What would be the total number of users of SMART? What could be the different ways in which different Government departments can consume SMART data?	Please refer Final Eol	General	Please refer Annexure 7 & 8

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60		9	3.3	Objective of the project: a) Auto Identification of potentially eligible beneficiaries for disbursement of schemes benefits and services through digital source i.e. centralized data repository of Jan Aadhar RDR, Line Department DB or Other External DB. b) Auto Intimation for beneficiary consent to avail benefits under eligible scheme's. c) Auto application of beneficiary in eligible schemes d) Auto approval by system e) Initiation of auto delivery of benefits / services by respective line department	How do you communicate the eligibility / non- eligibility of a scheme to a citizen? (sms/whatsapp/email/phone calls etc) Are these communication systems already integrated or will we have to look at new integrations with SMART? How many data sources are to be considered for the SMART project? How many of them are on cloud vs on-premise? Are all these data sources API enabled? What is the expected refresh rate of the SMART database? Do the data sources support real time updates? In terms of social media data sources, activities on which handles are to be tracked?	Please refer Final Eol	General	Please refer clause 4.4.6
61		9,3.3		Initiation of auto delivery of benefits / services by respective line department auto delivery	Does auto delivery means integration with payment gateway and banks?	As per Eol	General	Auto delivery means automatic disbursement of payment to beneficiaries. Payment can be done using DBT, Payment Gateway, Jan Aadhar e-wallet.
62		9	3.3	Objective of the project: a) Auto Identification of potentially eligible beneficiaries for disbursement of schemes benefits and services through digital source i.e. centralized data repository of Jan Aadhar RDR, Line Department DB or Other External DB. b) Auto Intimation for beneficiary consent to avail benefits under eligible scheme's. c) Auto application of beneficiary in eligible schemes d) Auto approval by system e) Initiation of auto delivery of benefits / services by respective line department	How do you communicate the eligibility / non- eligibility of a scheme to a citizen? (sms/whatsapp/email/phone calls etc) Are these communication systems already integrated or will we have to look at new integrations with SMART? How many data sources are to be considered for the SMART project? How many of them are on cloud vs on-premise? Are all these data sources API enabled? What is the expected refresh rate of the SMART database? Do the data sources support real time updates? In terms of social media data sources, activities on which handles	Please refer to the response for the query at S. No. 60	General	-
63		9	3.4	The broad category of work required for implementation of the SMART project includes: a) Creation of Centralized Repository (Data Lake) b) Development of Rule-Based Engine c) Implementation & Roll-out d) Augmentation with AI/ML	Do you currently use any ETL tools?	Please refer Final Eol	General	Please refer Annexure 8
64	CHAPTER-3	9	PROJECT PROFILE	3.4. The broad category of work required for implementation of the SMART project includes: a) Creation of Centralized Repository (Data Lake) b) Development of Rule-Based Engine c) Implementation & Roll-out d) Augmentation with AI/ML e) Setting up of HDT DB for SMART	Please clarify: Is RISL expecting the solution to be completely On-Prem or, Is RISL open for a cloud based solution using PAS (Platform as a Service) from a MEITY empanelled Cloud Service Provider	Please refer Final Eol	General	Please refer clause 4.4.6

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
65		9	3.4	The broad category of work required for implementation of the SMART project includes: a) Creation of Centralized Repository (Data Lake) b) Development of Rule-Based Engine c) Implementation & Roll-out d) Augmentation with AI/ML Setting up of HOT DR for SMART	Do you currently use any ETL tools?	Please refer to the response for the query at S. No. 63	General	-
66	Chapter 3	9	3.4	Setting up of HOT DR for SMART	Is RISL looking for on-premises or cloud based or hybrid kind of solution for DC & DR? <u>Pls share the location of DC & DR.</u>	Please refer Final Eol	General	Please refer clause 4.4.6
67	Chapter 3	9	PROJECT PROFILE	e) Setting up of HOT DR for SMART	We understand that all infrastructure availability and setup till OS level would be ensured by RISL and it's only expected SMART platform to be deployed in DR environment as well.	As per Eol	General	Please refer section 4.4.6 of Eol. Bidder is required to propose complete solution including Hw & Sw (infra + support) with detailed BoM as per Eol and integrate with associated system including O&M.
68	Chapter 3	9	PROJECT PROFILE	e) Setting up of HOT DR for SMART	Kindly confirm that any infrastructure & it's operations support would be taken care by RISL/ RISL appointed agency and is not in scope of work of this tender	Please refer to the response for the query at S. No. 67	General	-
69		9	3.2		If yes, how many users are going to access SMART on a daily basis?	Please refer to the response for the query at S. No. 59	General	-
70		9	3.2		If not, what could be the different ways in which different Government departments can consume SMART data?	Please refer Final Eol	General	Please refer clause 4.4.6
71		9	3.3		How do you communicate the eligibility / non-eligibility of a scheme to a citizen? (sms/whatsapp/email/phone calls etc)	Please refer to the response for the query at S. No. 60	General	-
72		9	3.3		Are these communication systems already integrated or will we have to look at new integrations with SMART?	Please refer to the response for the query at S. No. 60	General	-
73		9	3.3		How many data sources are to be considered for the SMART project?	Please refer to the response for the query at S. No. 60	General	-
74		9	3.3		Are all these data sources API enabled?	Please refer to the response for the query at S. No. 60	General	-
75		9	3.4		Do you currently use any ETL tools?	Please refer to the response for the query at S. No. 63	General	-
76		9	3.3		What is the expected refresh rate of the SMART database? Do the data sources support real time updates?	Please refer to the response for the query at S. No. 60	General	-
77		9	3.3		In terms of social media data sources, activities on which handles are to be tracked?	Please refer to the response for the query at S. No. 60	General	-
78		9	3.3.a	Auto Identification of potentially eligible beneficiaries for disbursement of schemes benefits and services through digital source i.e. centralized data repository of Jan Aadahar RDR, Line Department DB or Other External DB	Kindly share the department wise deployed databases technologies and list of departments where the REST API are available to access the department data.	Please refer Final Eol	General	The departments in state have heterogeneous environment. The bidder is required to study the environment and provision the solution accordingly.
79	3.3.a	9		Auto Identification of potentially eligible beneficiaries for disbursement of schemes benefits and services through digital source i.e. centralized data repository of Jan Aadahar RDR, Line Department DB or Other External DB	Kindly share the department wise deployed databases technologies and list of departments where the REST API are available to access the department data.	Please refer to the response for the query at S. No. 78	General	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
80		9	3.3.a	Auto Identification of potentially eligible beneficiaries for disbursement of schemes benefits and services through digital source i.e. centralized data repository of Jan Aadhar RDR, Line Department DB or Other External DB	Kindly share the department wise deployed databases technologies and list of departments where the REST API are available to access the department data.	Please refer to the response for the query at S. No. 78	General	-
81		9	3.3.b	Auto Intimation for beneficiary consent to avail benefits under eligible scheme's.	Kindly clarify that if the consent has to be availed from the eligible citizen if they are found fit for a particular scheme or they will be automatically enrolled and notified for this. Kindly share a example workflow here for better clarity	Please refer Final Eol	General	Please refer clause 4.2 & 4.3
82	3.3.b	9		Auto Intimation for beneficiary consent to avail benefits under eligible scheme's.	Kindly clarify that if the consent has to be availed from the eligible citizen if they are found fit for a particular scheme or they will be automatically enrolled and notified for this. Kindly share a example workflow here for better clarity	Please refer to the response for the query at S. No. 81	General	-
83		9	3.3.b	Auto Intimation for beneficiary consent to avail benefits under eligible scheme's.	Kindly clarify that if the consent has to be availed from the eligible citizen if they are found fit for a particular scheme or they will be automatically enrolled and notified for this. Kindly share a example workflow here for better clarity	Please refer to the response for the query at S. No. 81	General	-
84		9	3.3 Point b)	Auto Intimation for beneficiary consent to avail benefits under eligible scheme's.	Is there a preferred channel of communication already identified by RISL?	Please refer to the response for the query at S. No. 60	General	-
85		9	3.1	Rajasthan is known as a pioneer in the country to establish good governance by using IT in policy making as well as service delivery. Taking this series of innovations and program further, using new technologies like Artificial Intelligence/Machine Learning (AI/ML)/Data cloud, DoIT&C/RISL has envisioned to automatically identify eligible beneficiaries and automate real-time service or benefit delivery through 'SMART' (Service Management with Artificial Intelligence and Real Time System) project in a quick and transparent online process.	Is SMART envisioned to be a front office system?	Please refer to the response for the query at S. No. 57	General	-
86		9	3.2	'SMART' will be used as a Service Management platform using AI/ML for Real-time Auto Delivery of benefits and services to potentially eligible beneficiaries.	What would be the total number of users of SMART? What could be the different ways in which different Government departments can consume SMART data?	Please refer to the response for the query at S. No. 59	General	-
87		9	3.4 Point a)	Creation of Centralized Repository (Data Lake)	This will be the heart of the solution. Looking into the criticality of the requirement this centralized repository should be highly performant. This should be based on data lakehouse and data warehouse concepts	Please refer Final Eol	General	Amended to Datalake / Datalake house
88		9	3.4 Point d)	Augmentation with AI/ML	RISL has existing AI/ML capabilities. RISL will leverage the existing capabilities or we need to propose something new?	As per Eol	General	RISL will leverage the existing capabilities as mentioned in Annexure - 8.
89	Chapter 4	10	4.4.1	Map eligibility parameters to relevant data points from line departments or other datasets.	What would be the approximate historical data size of RISL ?	Please refer to the response for the query at S. No. 59	SoW	-
90	Chapter 4	10	SCOPE OF THE WORK	Section 4.4, Section 4.8 The Bidder/ OEM is required to propose use cases and solution for optimal delivery of benefits and services to eligible beneficiaries of residents of Rajasthan using AI/ML based research and its various techniques on central data repository (Data Lake). For e.g., Identification of wrong beneficiaries, left out cases of genuine beneficiary etc.	We understand that RISL is setting up the PMU for SMART project which has an overlapping scope of work especially for section 4.4.1 & 4.4.2 , Section 4.8 etc Please share the Entry criteria fro the SI - What kind of approved documents will be shared by the SMART PMU team with the SI for these two sections	As per Eol	SoW	-
91		10,4.4.1		Study of Citizen Benefit Schemes and creation of Eligibility Matrix	Details of rules for eligibility matrix and gap analysis	As per Eol	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
92	Chapter 4	10	SCOPE OF THE WORK	a) Initiate a study and analysis of existing schemes across different departments. b) Map eligibility parameters to relevant data points from line departments or other datasets. c) Create an eligibility matrix based on scheme eligibility criteria. d) Conduct a detailed study of eligibility criteria for citizens to access scheme benefits. e) Evaluate the accessibility and inclusivity of the 35+ services and 75+ schemes integrated with the Jan Aadhaar Application. f) Perform a gap analysis to identify areas for improvement. g) Develop an action plan to enhance scheme delivery	In the RFP, we would require the number of schemes that would be need to be studied as part of this SoW item and remaining work items like gap analysis, action plan, rule-based engine tasks etc	As per Eol	SoW	-
93	Chapter 4	10	SCOPE OF THE WORK		Will usage of an Open-source solution stack for implementation of the required modules be evaluated equally to an OEM based solution? <i>We would emphasise on this point, if not true</i>	As per Eol	SoW	-
94	Chapter 4	10	SCOPE OF THE WORK		We would also request for clarity on the Implementation and roll out phase. Will it entail all the schemes and services of the state, or would it be certain schemes and services as per priorities/ implementation roadmap created by the PMU or any any other state guideline	Please Refer Final Eol	SoW	Please refer clause 4.4.1
95	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	Please clarify Who will provide the required IT infra and software licenses	Please refer to the response for the query at S. No. 67	SoW	-
96	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	What is the anticipated project timeline or schedule for the SMART system implementation?	As per Eol	SoW	In Eol stage, Bidder is required to propose estimated timelines of implementation and operations as per the scope given in Eol in it's proposal. Final Timelines and schedule for project implementation will be provided in RFP.
97	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	Do we have all the API's required Datasources highlighted in the Arch	Please refer to the response for the query at S. No. 60	SoW	-
98	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	How will the integration with existing systems like Jan Aadhaar and other departmental databases be facilitated?	Please refer to the response for the query at S. No. 60	SoW	-
99	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	Will APIs or data sharing mechanisms be provided?	Please refer to the response for the query at S. No. 60	SoW	-
100	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	What data security and privacy measures need to be accounted for, given the sensitive nature of citizen data involved?	Please refer Final Eol	SoW	Please refer clause 4.4.6
101	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	Do we need this deliverables on a Website /Mobile App or Dedicated Application	Please refer to the response for the query at S. No. 70	SoW	-
102	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	Can we consider the LC NC platform	As per Eol	SoW	-
103	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	Can we consider Opensource based technologies	As per Eol	SoW	-
104	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	Please provide more details on the expected scale, data volumes, and performance requirements for the centralized data repository (data lake)	Please refer to the response for the query at S. No. 59	SoW	-
105	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	How will the training data for AI/ML models be sourced and prepared? Is any existing labeled data available?	As per Eol	SoW	-
106	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	Are there any specific evaluation mechanisms planned to assess the fairness, accuracy and potential biases of the AI/ML models deployed?	As per Eol	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
107	CHAPTER-4: SCOPE OF THE WORK	10		Scope of Work	Reporting portal to built or would need to be integrated to BI or Tableau etc .	Please refer to the response for the query at S. No. 88	SoW	-
108		10	4.4.1	Evaluate the accessibility and inclusivity of the 35+ services and 75+ schemes integrated with the Jan Aadhaar Application.	How are the scheme related data present in the current system?	Please refer Final Eol	SoW	Please refer clause 4.4.6
109		10	4.4.1		What is the current amount of data stored in source databases?	Please refer to the response for the query at S. No. 59	General	-
110		10	4.4.1	The Government of Rajasthan intends to take the series of use of innovation in IT further for good governance and service delivery and establish an AI/ML based real time auto service delivery through "SMART" (Service Management with Artificial Intelligence and Real Time System)" project.	What is the current amount of data stored in source databases? What will be the total database size of the structured and unstructured data which needs to be stored in the Centralized Lake House?	Please refer to the response for the query at S. No. 59	SoW	Please refer Annexure 7
111		10	4.3	With this system, various entitlements / services will be automatically available on time to the eligible beneficiaries of the Rajasthan state under various schemes	Our understanding from the SMART project is that the project is for business re-engineering & process automation based on the existing data and learning from the Machine Learning process. For the same the existing process available within the LOB/Departments will be leveraged and as such will not require any re-engineering of the existing processes of the LOB/Departments. Kindly confirm the same	As per Eol	SoW	-
112		10	4.3	With this system, various entitlements / services will be automatically available on time to the eligible beneficiaries of the Rajasthan state under various schemes	Our understanding from the SMART project is that the project is for business re-engineering & process automation based on the existing data and learning from the Machine Learning process. For the same the existing process available within the LOB/Departments will be leveraged and as such will not require any re-engineering of the existing processes of the LOB/Departments. Kindly confirm the same	As per Eol	SoW	-
113	4.3	10		With this system, various entitlements / services will be automatically available on time to the eligible beneficiaries of the Rajasthan state under various schemes	Our understanding from the SMART project is that the project is for business re-engineering & process automation based on the existing data and learning from the Machine Learning process. For the same the existing process available within the LOB/Departments will be leveraged and as such will not require any re-engineering of the existing processes of the LOB/Departments. Kindly confirm the same	As per Eol	SoW	-
114		10	4.3	With this system, various entitlements / services will be automatically available on time to the eligible beneficiaries of the Rajasthan state under various schemes	Our understanding from the SMART project is that the project is for business re-engineering & process automation based on the existing data and learning from the Machine Learning process. For the same the existing process available within the LOB/Departments will be leveraged and as such will not require any re-engineering of the existing processes of the LOB/Departments. Kindly confirm the same	As per Eol	SoW	-
115		10	4.4.1	The Government of Rajasthan intends to take the series of use of innovation in IT further for good governance and service delivery and establish an AI/ML based real time auto service delivery through "SMART" (Service Management with Artificial Intelligence and Real Time System)" project.	What is the current amount of data stored in source databases? What will be the total database size of the structured and unstructured data which needs to be stored in the Centralized Lake House?	Please refer to the response for the query at S. No. 59 and 110	General	-
116		11	4.4.2.c	Address data/document duplication and non-value adding activities in the scheme life cycle.	Under SMART will there be any requirement to manage citizen documents or will it be managed with the individual departments within their existing processes and the same details to be accessed under SMART through API and data capture (bulk/change data capture) from departments to the SMART warehouse.	Please refer Final Eol	SoW	Please refer Annexure 8
117		11	4.4.3 d	Data Acquisition: Ingesting structured, semi-structured, unstructured, and real-time data in any standard format.	Kindly share in terms of approximate percentage how much will be structured,semi structured,unstructured and real time data	Please refer to the response for the query at S. No. 59	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
118		11	4.4.3	With this system, various entitlements / services will be automatically available on time to the eligible beneficiaries of the Rajasthan state under various schemes.	What are the projected storage requirements of SMART database? What is the number of citizen profiles to be created in SMART? Online estimated population of Rajasthan is 8.3 cr How have the storage requirements of the source databases grown over the past year / months?	Please refer to the response for the query at S. No. 59	SoW	-
119		11	4.4.3		Are you currently storing unstructured data? If yes, where and how much storage does it occupy? Is Tableau going to be the key BI tool for SMART database? Are any other BI tools currently in use at DOITC? Do we have use cases of departments exporting / downloading data from SMART? Are there any use cases where citizens can export / download data from SMART? Is the expectation that SMART should be communicating (i.e - through whatsapp, sms, email etc) to the potential beneficiaries or would SMART trigger a case in the existing RoIT&C applications which in turn would reach out (i.e - through their communications channels) to the potential beneficiaries?	Please refer to the response for the query at S. No. 59, 60, 63 & 161	SoW	-
120		11		A centralized system called the Data Lake will be established to store and manage rapidly growing data.	Request to please confirm if the same can be created on Meity empanelled public cloud in a hybrid architecture with some part on the cloud and some on premise in the SDC.	Please refer to the response for the query at S. No. 1	SoW	-
121	Chapter 4	11	4.4.3	A centralized system called the Data Lake will be established to store and manage rapidly growing data.	What would be the rate of growth of these datas ?	Please refer to the response for the query at S. No. 59	SoW	-
122	Chapter 4	11	4.4.3 Point a)	A centralized system called the Data Lake will be established to store and manage rapidly growing data.	RISL is creating a very sensitive central repository which should be highly performant. Please use data warehouse or Lakehouse.	Please refer to the response for the query at S. No. 87	SoW	-
123		11		The Data Lake will handle various types of data, enabling not only storage but also different analytical purposes and AI/ML adoption in government practices.	Request to please confirm if the same can be created on Meity empanelled public cloud in a hybrid architecture with some part on the cloud and some on premise in the SDC.	Please refer to the response for the query at S. No. 1	SoW	-
124	Chapter 4	11	4.4.3 Point b)	The Data Lake will handle various types of data, enabling not only storage but also different analytical purposes and AI/ML adoption in government practices.	RISL should be looking for in database analytics to minimise the data movement and creation of duplicate data	As per Eol	SoW	-
125		12,4.4.3		Creation of Centralized Repository	Please provide the list of Relational and non-relational source systems with the underlying Database and version. Primary Beneficiary Identifier in each source system (e.g. aadhar, phone number) Approx. Number of tables/files to be loaded in central repository. Preferred Data ingestion mechanism for each source system Number of Years of data to be extracted ? Projected Day 0 data size (for each source system) Projected daily/monthly data load size Yearly growth of data Number of Master/reference tables	Please refer to the response for the query at S. No. 59, 60	SoW	-
126		12,4.4.3		Creation of Centralized Repository	Source systems for near Real time data ingestion any CDC tool available for near real time data ingestion ?	Please refer to the response for the query at S. No. 63	SoW	-
127		12,4.4.3		Creation of Centralized Repository	Any Advanced Analytics Use Cases in scope ?	As per Eol	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
128		12,4.4.3		Creation of Centralized Repository	Number of BI reports and Dashboards total and concurrent BI Users Peak concurrent Data repository queries	Please refer to the response for the query at S. No. 60	SoW	-
129		12,4.4.3		Creation of Centralized Repository	Use Cases of Video Feeds and Images Number of Video feeds and Images (Day 0 projected size) Projected daily/monthly size of Video feeds and images	Please refer to the response for the query at S. No. 60, 127	General	-
130		12,4.4.3		Creation of Centralized Repository	Use Cases of Social Media and News source systems	Please refer to the response for the query at S. No. 127	General	-
131		11	Clause No. 4.4.3	Creation of Centralized Repository	Can you provide a detailed list of all the data sources you want to integrate into the Data Lake? MS Office(Excel files), third-party systems(Can you list them) , Any legacy Systems ?	Please refer to the response for the query at S. No. 59, 60	SoW	-
132		11	Clause No. 4.4.3	Creation of Centralized Repository	What are the databases of these source systems ? Can they be accessed directly ?	Please refer to the response for the query at S. No. 60	SoW	-
133		11	Clause No. 4.4.3	Creation of Centralized Repository	Are there any specific data formats or protocols used by these sources?:	As per Eol	SoW	-
134		11	Clause No. 4.4.3	Creation of Centralized Repository	What is the estimated volume of data to be processed and stored in the Data Lake?	Please refer to the response for the query at S. No. 59	SoW	-
135		11	Clause No. 4.4.3	Creation of Centralized Repository	How frequently do you expect data to be updated or added to the Data Lake?	Please refer to the response for the query at S. No. 60	SoW	-
136		11	Clause No. 4.4.3	Creation of Centralized Repository	What data governance policies or standards should be applied to the integrated data?	Please refer to the response for the query at S. No. 100	SoW	-
137		11	Clause No. 4.4.3	Creation of Centralized Repository	How do you currently ensure data quality, and what expectations do you have for data quality in the Data Lake?	As per Eol	SoW	-
138		11	Clause No. 4.4.3	Creation of Centralized Repository	Can you provide examples of the specific reports and dashboards you expect to see in BI Tool ? How many objects are expected ?	As per Eol	SoW	-
139		11	Clause No. 4.4.3	Creation of Centralized Repository	Who are the primary users of the BI reports(Count), and what level of access control is needed?	As per Eol	SoW	-
140		11	Clause No. 4.4.3	Creation of Centralized Repository	Any preferred solution in mind ?	As per Eol	SoW	-
141		11	Clause No. 4.4.3	Creation of Centralized Repository	What is the desired timeline for the implementation of the Data Warehouse?	Please refer to the response for the query at S. No. 96	SoW	-
142		11	Clause No. 4.4.3	Creation of Centralized Repository	Are you expecting an onsite engagement ?	As per Eol	SoW	-
143		11	Clause No. 4.4.3	Creation of Centralized Repository	Do you anticipate significant growth in data volume or user base in the near future? How scalable should the solution be?	Please refer to the response for the query at S. No. 59	SoW	-
144		11	Clause No.4.5	Augmentation with AI/ML	How many AIML use cases are required ?	As per Eol	SoW	-
145		11	Clause No.4.5	Augmentation with AI/ML	How many years of data do you currently have ?	As per Eol	SoW	-
146		11	Clause No.4.5	Augmentation with AI/ML	How many users are expected to use these AIML usecases ?	As per Eol	SoW	-
147		11	Clause No.4.5	Augmentation with AI/ML	What are the existing IT infrastructure and systems within the government departments that need to be integrated or interfaced with the SMART system?	Please refer to the response for the query at S. No. 60	SoW	-
148		11	Clause No.4.5	Augmentation with AI/ML	Are there any specific hardware or software requirements for the implementation of the SMART system?	Please refer to the response for the query at S. No. 67	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
149		11	Clause No.4.5	Augmentation with AI/ML	How flexible is the government in adopting new technologies and infrastructure changes?	As per Eol	SoW	-
150		11	Clause No.4.5	Augmentation with AI/ML	Are you ok with adopting Cloud Technologies ?	Please refer to the response for the query at S. No. 1	SoW	-
151		11	4.4.3	Creation of Centralized Repository	Kindly help us with the data types, data volume, frequency of data upload (streaming/real-time/batches). What is the data retention and data archival policy for your organization. What is the ratio of structured to unstructured data? Any historical data migration to be factored for capacity planning ?	Please refer Final Eol	SoW	-
152		11	4.4.3	Creation of Centralized Repository	Please confirm these are the ONLY sources system which is mentioned in the Figure1: Indicative Architecture of Centralized Data Repository from which data needs to be ingested or any new source system will be added in the future.	As per Eol	SoW	This is only indicative list. The Bidder is required to design the scalable solution with futuristic view point.
153		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	<ul style="list-style-type: none"> • Are there any duplicate schemes across the different departments? Do various applications have different definition/description of the same Scheme? • How much you trust Citizen Data in the Jan Aadhar Application DB? • Have you conducted any DQ assessment workshops in the Past? If yes, what the outcome? Any challenges or risk highlighted? • How confident are your business users about the accuracy of current data for their analytic use cases? • What are the Data quality challenges being faced currently? And, how it is impacting suppling benefits and services to the Citizens? • List down the top data quality issues? How much time your Data team/IT spends cleaning and preparing the data? • Are there measures in place to ensure the data quality? How is it managed currently? • Are you looking for a role-based profiling, dashboards, and Data Quality exception management framework etc.? • Are you looking for the capabilities to analyze DQ trends, data quality metrics, automated Notifications when exceed predefined thresholds and create advanced analytic models for data quality? • Is there a need for verification on phone numbers not only based on the syntax, but also verify whether the phone number is a registered number? • Is there a need for verification on email address not only based on the syntax, but also verify the validity of email domain and whether the user exists in the provided email domain? 	Response provided from S. No 384 to 394	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
154		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	<ul style="list-style-type: none"> • How many Total Number of Citizen records you have in Jan Aadhar Database only? And other respective sources? • How many business users (data stewards) will be accessing the system? • What data domains are you interested in managing? (Customer B2B (Ministry Departments), Customer B2C (Citizens), Asset, Location etc.) What are the key attributes w.r.t each Master domain? • Are you looking for the unified 360-degree view of the CITIZEN MASTER, Govt Departments, Location, Zip code Master, Family/House hold relationships etc.? • How much total number of Citizen masters do you anticipate Post consolidation of Citizen records across all sources? • Is there scope of Data profiling to understand data structure, patterns, value Frequency, value distributions, missing values, relationships, understand the data anomalies and more? How many sources in scope for Data profiling? • The beneficiary eligibility rules are exposed as Webservices/APIs to the other department applications and Jan Aadhaar app? • In the to be state the Citizen on-boarding, updates will happen via Centralized citizen master MDM UI or will these changes flow via the on-boarding system e.g., Jan Aadhar? • Is it required to Sync Citizen master ID/Master record with other downstream and upstream applications? • In the Data access layer the Business rules e.g., beneficiaries eligibility per scheme, auto beneficiaries recommendation per Govt. schemes etc. will be made available as Webservices, APIs for the internal and external applications? • Is there scope of Data enrichment via APIs/webservices from the 3rd party or other state/Central govt agencies/dept.? 	Response provided from S. No 395 to 405	SoW	-
155		11	4.4.3		What are the projected storage requirements of SMART database?	Please refer to the response for the query at S. No. 59	SoW	-
156		11	4.4.3		What is the number of citizen profiles to be created in SMART? Online estimated population of Rajasthan is 8.3 cr	Please refer to the response for the query at S. No. 59	SoW	-
157		11	4.4.3		How have the storage requirements of the source databases grown over the past year / months?	Please refer to the response for the query at S. No. 59	SoW	-
158		11	4.4.3		Are you currently storing unstructured data? If yes, where and how much storage does it occupy?	Please refer to the response for the query at S. No. 59	SoW	-
159		11	4.4.3		Is Tableau going to be the key BI tool for SMART database?	Please refer to the response for the query at S. No. 63	SoW	-
160		11	4.4.3		Are any other BI tools currently in use at DOITC?	Please refer to the response for the query at S. No. 63	SoW	-
161		11	4.4.3		Do we have use cases of departments exporting / downloading data from SMART?	Please refer Final Eol	SoW	As per Eol
162		11	4.4.3		Are there any use cases where citizens can export / download data from SMART?	Please refer to the response for the query at S. No.161	SoW	-
163		11	4.4.3 d	Data Acquisition: Ingesting structured, semi-structured, unstructured, and real-time data in any standard format.	Kindly share in terms of approximate percentage how much will be structured,semi structured,unstructured and real time data	Please refer to the response for the query at S. No. 59	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
164	Chapter 4	11	4.4.3 d	Data Acquisition: Ingesting structured, semi-structured, unstructured, and real-time data in any standard format.	Kindly share in terms of approximate percentage how much will be structured,semi structured,unstructured and real time data	Please refer to the response for the query at S. No. 59	SoW	-
165	4.4.3 d	11		Data Acquisition: Ingesting structured, semi-structured, unstructured, and real-time data in any standard format.	Kindly share in terms of approximate percentage how much will be structured,semi structured,unstructured and real time data	Please refer to the response for the query at S. No. 59	SoW	-
166		11	4.4.3	Data Acquisition: Ingesting structured, semi-structured, unstructured, and real-time data in any standard format.	What are the different data sources to be connected? Do we need to propose or factor for the data connectors and ETL to fetch the data?	Please refer to the response for the query at S. No. 59, 63	SoW	-
167	Chapter 4	11	4.4.3	Data Acquisition: Ingesting structured, semi-structured, unstructured, and real-time data in any standard format.	What are the type of data store in which these data are stored currently ?	Please refer to the response for the query at S. No. 59	SoW	-
168	Chapter 4	11	4.4.3	Data Acquisition: Ingesting structured, semi-structured, unstructured, and real-time data in any standard format.	How are these data stores exposing the data to external resources ?	Please refer to the response for the query at S. No. 59, 60	SoW	-
169	4.4.2.c	11		Address data/document duplication and non-value adding activities in the scheme life cycle.	Under SMART will there be any requirement to manage citizen documents or will it be managed with the individual departments within their existing processes and the same details to be accessed under SMART through API and data capture (bulk/change data capture) from departments to the SMART warehouse.	Please refer to the response for the query at S. No. 116	SoW	-
170		11	4.4.2.c	Address data/document duplication and non-value adding activities in the scheme life cycle.	Under SMART will there be any requirement to manage citizen documents or will it be managed with the individual departments within their existing processes and the same details to be accessed under SMART through API and data capture (bulk/change data capture) from departments to the SMART warehouse.	Please refer to the response for the query at S. No. 116	SoW	-
171	Chapter 4	11	4.4.2.c	Address data/document duplication and non-value adding activities in the scheme life cycle.	Under SMART will there be any requirement to manage citizen documents or will it be managed with the individual departments within their existing processes and the same details to be accessed under SMART through API and data capture (bulk/change data capture) from departments to the SMART warehouse.	Please refer to the response for the query at S. No. 116	SoW	-
172		11	4.4.3	Data Management: Connecting natively to disparate sources, performing data transformations, and managing components like ETL/ELT, Data Quality, Metadata, and Cataloguing	Will RISL be able to share the source data in csv format (from all prod sources)? Can any existing CDC tool, like GG can be leveraged (existing licenses) ? Do you have any ODS currently ?	Please refer to the response for the query at S. No. 59, 63	SoW	-
173	Chapter 4	11	4.4.3	d) Sub-activities include: - Data Acquisition: Ingesting structured, semi-structured, unstructured, and real-time data in any standard format. - Data Management: Connecting natively to disparate sources, performing data transformations, and managing components like ETL/ELT, Data Quality, Metadata, and Cataloguing. - Data Governance & Lineage: Ensuring authorized access and maintaining auditability with metadata-driven governance. - Data Security: Covering authentication, authorization, and encryption of sensitive and personal identification	What are the different type of data like structured , unstructured , binary , audio , visual etc. ?	Please refer to the response for the query at S. No. 59	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
174	Chapter 4	11	4.4.3	With this system, various entitlements / services will be automatically available on time to the eligible beneficiaries of the Rajasthan state under various schemes.	What are the projected storage requirements of SMART database? What is the number of citizen profiles to be created in SMART? Online estimated population of Rajasthan is 8.3 cr How have the storage requirements of the source databases grown over the past year / months? Are you currently storing unstructured data? If yes, where and how much storage does it occupy? Is Tableau going to be the key BI tool for SMART database? Are any other BI tools currently in use at DOITC? Do we have use cases of departments exporting / downloading data from SMART? Are there any use cases where citizens can export / download data from SMART? Is the expectation that SMART should be communicating (i.e - through whatsapp, sms, email etc) to the potential beneficiaries or would SMART trigger a case in the existing RoIT&C applications which in turn would reach out (i.e - through their communications channels) to the potential beneficiaries?	Please refer to the response for the query at S. No. 59	SoW	-
175	Chapter 4	12	4.4.5	After rolling out of first phase, various proxy/ peripheral datasets would be used to strengthen the validation of eligibilities, using AI/ML.	Business process strengthening will require discussion with different line of business and understanding their pain points. Any business process strengthening will require changes in existing solution also. who would be responsible for required changes in different business line of RISL ?	Please refer to the response for the query at S. No. 111	SoW	-
176	Chapter 4	12	Chapter 4 4.4.5	After rolling out of first phase, various proxy/ peripheral datasets would be used to strengthen the validation of eligibilities, using AI/ML.	Kindly share the implementation period details for different phases	Please refer to the response for the query at S. No. 96	SoW	-
177		12	4.4.5	After rolling out of first phase, various proxy/ peripheral datasets would be used to strengthen the validation of eligibilities, using AI/ML	What will be various other sources of data?	Please refer to the response for the query at S. No. 59	SoW	-
178		12	4.4.4	Development of Rule based Engine	Number of processes to be automated Is rule repository/documentation available ? What is complexity and number of rules to be built. Are they simple IF-THEN statements or more intricate with multiple conditions and outcomes? How will the rules be authored and maintained? Will this be done by developers or by business users? What level of rule execution performance is required? How quickly do the rules need to be evaluated? Does the system need to explain its reasoning based on the rules? What existing systems will the rule engine need to integrate with? Do you have any existing experience with rule engines? Understanding your familiarity can help tailor the development approach.	As per Eol	SoW	-
179		12	4.4.4	A rule-based engine will be created to operate on initially selected schemes	How many schemes and number of processes to be considered taken in the first instance.	As per Eol	SoW	-
180		12	4.4.4		Is the expectation that a particular rule to check the eligibility for a scheme will be recalculated every time a change occurs in a citizen profile?	Please refer Final Eol	SoW	Frequency will be defined at the time of implementation.
181		12	4.4.4		Or will scheduled runs of the rule engine be sufficient?	Please refer to the response for the query at S. No. 180	SoW	-
182		12	4.4.4		Rules for how many schemes / services are required to be set up?	As per Eol	SoW	-
183		12	4.4.3	Figure 1 SMART	Under SMART does the bidder/OEM has to create a centralized webpage for citizen	As per Eol	SoW	-
184		12	4.4.3	Figure 1 SMART	Under SMART does the bidder/OEM has to create a centralized webpage for citizen	As per Eol	SoW	-
185	4.4.3	12		Figure 1 SMART	Under SMART does the bidder/OEM has to create a centralized webpage for citizen	As per Eol	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
186		12	4.4.4	Study of Citizen Benefit Schemes and creation of Eligibility Matrix: a) Initiate a study and an analysis of existing schemes across different departments. b) Map eligibility parameters to relevant data points from line departments or other datasets. c) Create an eligibility matrix based on scheme eligibility criteria. d) Conduct a detailed study of eligibility criteria for citizens to access scheme benefits. e) Evaluate the accessibility and inclusivity of the 35+ services and 75+ schemes integrated with the Jan Aadhaar Application. f) Perform a gap analysis to identify areas for improvement. g) Develop an action plan to enhance scheme delivery	Is the expectation that a particular rule to check the eligibility for a scheme will be recalculated every time a change occurs in a citizen profile? Or will scheduled runs of the rule engine be sufficient? Rules for how many schemes / services are required to be set up? Would it be possible for you to share a typical data flow and business rule logic (matrix) related to identifying beneficiaries for a scheme(s)? How do you envisage the SMART application working along with existing government applications to achieve this?	Please refer to the response for the query at S. No. 180	SoW	-
187		12	Figure 1	Indicative Architecture of Centralized Data Repository (Data Lake)	In the diagram there is right representation of Data Lakehouse but at other places Data Lake is used	Please refer to the response for the query at S. No. 87	SoW	-
188		12	Figure 1	Indicative Architecture of Centralized Data Repository (Data Lake)	Please share list of source which will be within scope of this RFP along with size and technology used	Please refer to the response for the query at S. No. 59	SoW	-
189		12	Figure 1	Indicative Architecture of Centralized Data Repository (Data Lake)	In the Central Data Repository, it should be highly recommended RDBMS and MPP should be must have as most of the data will be structured. Open Table format have some performance overheads	As per Eol	SoW	-
190		12	4.4.3	Figure 1 SMART	Under SMART does the bidder/OEM has to create a centralized webpage for citizen	Please refer to the response for the query at S. No. 161	SoW	-
191		12	4.4.4	Study of Citizen Benefit Schemes and creation of Eligibility Matrix: a) Initiate a study and an analysis of existing schemes across different departments. b) Map eligibility parameters to relevant data points from line departments or other datasets. c) Create an eligibility matrix based on scheme eligibility criteria. d) Conduct a detailed study of eligibility criteria for citizens to access scheme benefits. e) Evaluate the accessibility and inclusivity of the 35+ services and 75+ schemes integrated with the Jan Aadhaar Application. f) Perform a gap analysis to identify areas for improvement. g) Develop an action plan to enhance scheme delivery	Is the expectation that a particular rule to check the eligibility for a scheme will be recalculated every time a change occurs in a citizen profile? Or will scheduled runs of the rule engine be sufficient? Rules for how many schemes / services are required to be set up? Would it be possible for you to share a typical data flow and business rule logic (matrix) related to identifying beneficiaries for a scheme(s)? How do you envisage the SMART application working along with existing government applications to achieve this?	Please refer to the response for the query at S. No. 180	SoW	-
192		13,4.5		By leveraging proxy datasets, accuracy, and efficiency in determining citizen eligibility can be enhanced.	Please provide details regarding availability and sourcing of proxy datasets	As per Eol	SoW	-
193	Chapter 4	13	4.5	By leveraging proxy datasets, accuracy, and efficiency in determining citizen eligibility can be enhanced.	Will any new data be provided by different department of RISL in real time or batch ? if in batch then what would be interval ?	As per Eol	SoW	-
194	Chapter 4	13	4.5	Some use cases of proxy datasets for eligibility criteria validation such as: a. Income validation: validate income through sources like Transport Department Records, e-Mitra transactions, land records, electricity bills, e-PDS Crop Yield Images, Mandi transactions etc., b. Education and employment history, c. HealthCare utilization, d. Social welfare programs participation etc.	Our understanding is collected data from different line department will be used mostly for analytics and predictive use cases. Do you see any use case related to real time data monitoring / Business activity monitoring etc. ?	Please refer to the response for the query at S. No. 60	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
195		13	4.5	Augmentation with AI/ML	In case SI wants to propose any Open Source technology, whether Enterprise support of it will be mandatory ?	Please refer Final Eol	SoW	Please refer clause 4.4.6
196		13,4.5		Augmentation with AI/ML	what is the purpose of integration of Smart System with Core Components of DoI T&C	As per Eol	SoW	-
197		13	4.5	Augmentation with AI/ML	Since there will be requirements around image analytics on the submitted documents by the citizens, kindly provide a list of document types such as 10th/12th certificates, 10th/12th marksheets, chest x-ray (in case of silicosis), Aadhar, birth certificate, e-PDS Crop Yield Images etc. that can be passed to the AI/ML system for analysis	As per Eol	SoW	-
198		13	4.5	Augmentation with AI/ML	Since there will be requirements around image analytics on the submitted documents by the citizens, kindly provide a list of document types such as 10th/12th certificates, 10th/12th marksheets, chest x-ray (in case of silicosis), Aadhar, birth certificate, e-PDS Crop Yield Images etc. that can be passed to the AI/ML system for analysis	As per Eol	SoW	-
199		13	4.5	Augmentation with AI/ML	Since there will be requirements around image analytics on the submitted documents by the citizens, kindly provide a list of document types such as 10th/12th certificates, 10th/12th marksheets, chest x-ray (in case of silicosis), Aadhar, birth certificate, e-PDS Crop Yield Images etc. that can be passed to the AI/ML system for analysis	As per Eol	SoW	-
200		13	4.5	Augmentation with AI/ML	Since there will be requirements around image analytics on the submitted documents by the citizens, kindly provide a list of document types such as 10th/12th certificates, 10th/12th marksheets, chest x-ray (in case of silicosis), Aadhar, birth certificate, e-PDS Crop Yield Images etc. that can be passed to the AI/ML system for analysis	As per Eol	SoW	-
201		13	4.5	Augmentation with AI/ML	We presume that the analytics system will also be expected to deliver on the Generative AI use cases. For ex. going through the documents submitted by the citizens to verify the eligibility criteria by analyzing the text of the documents and provide Large Language Model (LLM) based context for auto-approval and manual validation in case of risky beneficiaries.	As per Eol	SoW	Yes
202		13	Section 4.5	Figure2: Indicative 'SMART System' Architecture	We would like to understand how residents / eligible residents would acknowledge & how the initiate for consent will be initiated, will it be through some API calls or workflow App ? In case of API calls, how will those API managed, are you also looking for a dedicated API management solution.	Please refer to the response for the query at S. No. 67, 82 and 88	SoW	-
203		13	Section 4.5	Figure2: Indicative 'SMART System' Architecture	We would like to understand how the SMART system will integrate with core components of DoITC. Are you looking for dedicated or isolated integrated solution for SMART project or will the project be using existing integration solution from DoITC	Please refer to the response for the query at S. No. 60 and 88	SoW	-
204		13	Section 4.5	Figure2: Indicative 'SMART System' Architecture	We would like to understand how will you monitor the SMART system ? If the application goes down, how will you identify the root cause of the same ? Are you looking for dedicated monitoring solution for SMART project or will the project be using existing monitoring solution from DoITC	Please refer to the response for the query at S. No. 67	SoW	-
205		13	4.5	Augmentation with AI/ML	We presume that the analytics system will also be expected to deliver on the Generative AI use cases. For ex. going through the documents submitted by the citizens to verify the eligibility criteria by analyzing the text of the documents and provide Large Language Model (LLM) based context for auto-approval and manual validation in case of risky beneficiaries.	Please refer to the response for the query at S. No. 201	SoW	-
206		13	4.5	Augmentation with AI/ML	We presume that the analytics system will also be expected to deliver on the Generative AI use cases. For ex. going through the documents submitted by the citizens to verify the eligibility criteria by analyzing the text of the documents and provide Large Language Model (LLM) based context for auto-approval and manual validation in case of risky beneficiaries.	Please refer to the response for the query at S. No. 201	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
207		13	4.5	Augmentation with AI/ML	We presume that the analytics system will also be expected to deliver on the Generative AI use cases. For ex. going through the documents submitted by the citizens to verify the eligibility criteria by analyzing the text of the documents and provide Large Language Model (LLM) based context for auto-approval and manual validation in case of risky beneficiaries.	Please refer to the response for the query at S. No. 201	SoW	-
208		13	4.5	Augmentation with AI/ML	There could often be scenarios where real-world data may be insufficient to effectively train AI/ML models. So we request you to confirm whether the data analytics solution should be capable to generate synthetic data having similar statistical properties, probabilities, patterns and characteristics as the real-world data from which it's trained. Synthetic data can be used to preserve privacy and overcome other challenges in collecting and using real-world data, such as cost, time-intensive data preparation processes, biasness and data sensitivity.	As per Eol	SoW	Yes
209		13	4.5	Augmentation with AI/ML	There could often be scenarios where real-world data may be insufficient to effectively train AI/ML models. So we request you to confirm whether the data analytics solution should be capable to generate synthetic data having similar statistical properties, probabilities, patterns and characteristics as the real-world data from which it's trained. Synthetic data can be used to preserve privacy and overcome other challenges in collecting and using real-world data, such as cost, time-intensive data preparation processes, biasness and data sensitivity.	As per Eol	SoW	Yes
210		13	4.5	Augmentation with AI/ML	There could often be scenarios where real-world data may be insufficient to effectively train AI/ML models. So we request you to confirm whether the data analytics solution should be capable to generate synthetic data having similar statistical properties, probabilities, patterns and characteristics as the real-world data from which it's trained. Synthetic data can be used to preserve privacy and overcome other challenges in collecting and using real-world data, such as cost, time-intensive data preparation processes, biasness and data sensitivity.	As per Eol	SoW	Yes
211		13	4.5	Augmentation with AI/ML	There could often be scenarios where real-world data may be insufficient to effectively train AI/ML models. So we request you to confirm whether the data analytics solution should be capable to generate synthetic data having similar statistical properties, probabilities, patterns and characteristics as the real-world data from which it's trained. Synthetic data can be used to preserve privacy and overcome other challenges in collecting and using real-world data, such as cost, time-intensive data preparation processes, biasness and data sensitivity.	As per Eol	SoW	Yes
212		13	4.5	Augmentation with AI/ML	In light of recent AI advisory by MeitY in India, which emphasises on AI model transparency and bias prevention and mitigation, we request you to confirm whether the data analytics solution should be able to deliver GUI-based capabilities, Out-of-the-Box, for model explainability and model bias identification and mitigation	Please refer to the response for the query at S. No. 100	SoW	-
213		13	4.5	Augmentation with AI/ML	In light of recent AI advisory by MeitY in India, which emphasises on AI model transparency and bias prevention and mitigation, we request you to confirm whether the data analytics solution should be able to deliver GUI-based capabilities, Out-of-the-Box, for model explainability and model bias identification and mitigation	Please refer to the response for the query at S. No. 100	SoW	-
214		13	4.5	Augmentation with AI/ML	In light of recent AI advisory by MeitY in India, which emphasises on AI model transparency and bias prevention and mitigation, we request you to confirm whether the data analytics solution should be able to deliver GUI-based capabilities, Out-of-the-Box, for model explainability and model bias identification and mitigation	Please refer to the response for the query at S. No. 100	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
215		13	4.5	Augmentation with AI/ML	In light of recent AI advisory by MeitY in India, which emphasises on AI model transparency and bias prevention and mitigation, we request you to confirm whether the data analytics solution should be able to deliver GUI-based capabilities, Out-of-the-Box, for model explainability and model bias identification and mitigation	Please refer to the response for the query at S. No. 100	SoW	-
216		13	4.4		Our understanding is that in Phase 2 ML models should be trained on the data from Phase 1 to enhance the eligibility criteria. Is this correct?	Please refer Final Eol	SoW	Updated
217		13	4.5		What all proxy datasets will act as a data source to train the ML model in Phase 2?	Please refer Final Eol	SoW	Updated
218		13	4.5		What would be the front end for citizens to submit documents wherever required?	Please refer to the response for the query at S. No. 161	SoW	-
219		13	4.5		Do you require document parsing capabilities (like OCR) to fast forward applications?	As per Eol	SoW	-
220		13	4.5		Can citizens download scheme related documents from the chosen front end?	As per Eol	SoW	The system is envisaged to auto deliver benefits. Hence document download by citizens is not required.
221		13	4.5	Augmentation with AI/ML Following the completion of the first phase, the project will transition into its second phase. This phase will involve the incorporation of Artificial Intelligence and Machine Learning (AI/ML) components into the rule engine. The integration of these advanced technologies will be guided by the insights and learnings gleaned from the first phase. This two-phased approach ensures a solid foundation is built before more complex elements are introduced, thereby maximizing the project's chances of success. By leveraging proxy datasets, accuracy, and efficiency in determining citizen eligibility can be enhanced. Some use cases of proxy datasets for eligibility criteria validation such as: a. Income validation: validate income through sources like Transport Department Records, e- Mitra transactions, land records, electricity bills, e-PDS Crop Yield Images, Mandi transactions etc., b. Education and employment history, c. HealthCare utilization, d. Social welfare programs participation etc. e. Proxy validation through GIS	Our understanding is that in Phase 2 ML models should be trained on the data from Phase 1 to enhance the eligibility criteria. Is this correct? What all proxy datasets will act as a data source to train the ML model in Phase 2? What would be the front end for citizens to submit documents wherever required? Do you require document parsing capabilities (like OCR) to fast forward applications? Can citizens download scheme related documents from the chosen front end?	Please refer Final Eol	SoW	-
222		13	4.5	Following the completion of the first phase, the project will transition into its second phase. This phase will involve the incorporation of Artificial Intelligence and Machine Learning (AI/ML) components into the rule engine	What is the proposed duration of phase 1 and phase 2?	Please refer to the response for the query at S. No. 96, 216	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
223		13	4.5	<p>Augmentation with AI/ML</p> <p>Following the completion of the first phase, the project will transition into its second phase. This phase will involve the incorporation of Artificial Intelligence and Machine Learning (AI/ML) components into the rule engine. The integration of these advanced technologies will be guided by the insights and learnings gleaned from the first phase. This two-phased approach ensures a solid foundation is built before more complex elements are introduced, thereby maximizing the project's chances of success.</p> <p>By leveraging proxy datasets, accuracy, and efficiency in determining citizen eligibility can be enhanced. Some use cases of proxy datasets for eligibility criteria validation such as:</p> <ol style="list-style-type: none"> Income validation: validate income through sources like Transport Department Records, e- Mitra transactions, land records, electricity bills, e-PDS Crop Yield Images, Mandi transactions etc., Education and employment history, HealthCare utilization, Social welfare programs participation etc. Proxy validation through GIS 	<p>Our understanding is that in Phase 2 ML models should be trained on the data from Phase 1 to enhance the eligibility criteria. Is this correct?</p> <p>What all proxy datasets will act as a data source to train the ML model in Phase 2?</p> <p>What would be the front end for citizens to submit documents wherever required?</p> <p>Do you require document parsing capabilities (like OCR) to fast forward applications?</p> <p>Can citizens download scheme related documents from the chosen front end?</p>	Please refer Final Eol	SoW	-
224		14		<p>Since this SMART hosts critical data for running the smooth operation of multiple projects, it is important to provision the establishment of HOT DR for this environment.</p> <p>The HOT DR is required to be provisioned in around the capacity of 60-70% of the production environment.</p>	Request to please confirm the DR can be hosted on Meity empanelled cloud in passive mode where the DR can be invoked on the need basis with RPO/RTO as 2 hr/4/hr for the DR.	Deleted	SoW	Deleted
225		14	Pt.No.4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	(i) The on premises Data Lake in RISL DC is envisaged for this project or cloud based solution can be considered for designing the solution. Please clarify. (ii) If in case RISL is open for cloud based solution with both DC & DR on cloud based solution, kindly clarify whether it will be a private cloud or Public cloud can also be considered for this project. Please clarify.	Please refer to the response for the query at S. No. 1	SoW	-
226		14	Pt.No.4.7	The Bidder/ OEM shall deploy required staff at Jaipur to undertake project deployment and O&M.	Does all the resources involved into this project are to be deployed at Jaipur itself or would the mixed deployment model with some of the key resources to interact with RISL needs to be deployed at Jaipur and rest of the development team can operate offsite or from our own development centres. Please clarify.	As per Eol	SoW	-
227		14	Clause No.4.6	Setting up of HOT DR for SMART	What are the requirements and expectations regarding disaster recovery and high availability for the SMART system?	Please refer to the response for the query at S. No. 224	SoW	-
228		14	Clause No.4.6	Setting up of HOT DR for SMART	Are there existing disaster recovery plans or policies that need to be considered in the implementation?	Please refer to response of query S. No. 100 and 224	SoW	-
229		14	4.11	The Bidder/ OEM shall deploy required staff at Jaipur to undertake project deployment and O&M.	Allow bidder to deploy key-personnel and other staff in hybrid mode.	Please refer to the response for the query at S. No. 226	SoW	-
230	CHAPTER-4	14	SCOPE OF THE WORK	4.11 The Bidder/ OEM shall deploy required staff at Jaipur to undertake project deployment and O&M.	This expected to be a turnkey project, please allow onsite / offshore model of people deployment. This will also help bidders being more competitive	Please refer to the response for the query at S. No. 226	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
231		14	4.6	4.6 Setting up of HOT DR for SMART Since this SMART hosts critical data for running the smooth operation of multiple projects, it is important to provision the establishment of HOT DR for this environment. The HOT DR is required to be provisioned in around the capacity of 60-70% of the production environment.	How many number of total environments to be proposed? Example Dev, UAT, Production, DR. What will be the ratio of DR to production and RTO/RPO.	As per Eol	SoW	-
232		14	4.8	The Bidder/ OEM is required to propose use cases and solution for optimal delivery of benefits and services to eligible beneficiaries of residents of Rajasthan using AI/ML based research and its various techniques on central data repository (Data Lake). For e.g., Identification of wrong beneficiaries, left out cases of genuine beneficiary etc.	What kind of timelines have been envisaged for implementation and Go-live for the data Lake or Warehouse. Does the go-live is considered for Data Platform to provisioned or there will be use cases to be delivered before GO-live.	Please refer to the response for the query at S. No. 96 and 216	SoW	-
233		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement.	Volumetrics are not mentioned. We would need the same to propose hardware sizing.	Please refer to the response for the query at S. No. 59	SoW	-
234		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement.	Volumetrics are not mentioned. We would need the same to propose hardware sizing.	Please refer to the response for the query at S. No. 59	SoW	-
235		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement.	Volumetrics are not mentioned. We would need the same to propose hardware sizing.	Please refer to the response for the query at S. No. 59	SoW	-
236		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement.	Volumetrics are not mentioned. We would need the same to propose hardware sizing.	Please refer to the response for the query at S. No. 59	SoW	-
237		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement.	Kindly specify number of departmental users, along with expected concurrency, having access to the analytical system. For ex. 1) Number of users having access to reports/dashboards. 2) Number of power users having access to business rules and AI-ML models.	Please refer to the response for the query at S. No. 59	SoW	-
238		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement.	Kindly specify number of departmental users, along with expected concurrency, having access to the analytical system. For ex. 1) Number of users having access to reports/dashboards. 2) Number of power users having access to business rules and AI-ML models.	Please refer to the response for the query at S. No. 59	SoW	-
239		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement.	Kindly specify number of departmental users, along with expected concurrency, having access to the analytical system. For ex. 1) Number of users having access to reports/dashboards. 2) Number of power users having access to business rules and AI-ML models.	Please refer to the response for the query at S. No. 59	SoW	-
240		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement.	Kindly specify number of departmental users, along with expected concurrency, having access to the analytical system. For ex. 1) Number of users having access to reports/dashboards. 2) Number of power users having access to business rules and AI-ML models.	Please refer to the response for the query at S. No. 59	SoW	-
241		14	4.7, 4.8	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	As it is stated in the RFP that: 4.5, Page 13, "Following the completion of the first phase, the project will transition into its second phase. This phase will involve the incorporation of Artificial Intelligence and Machine Learning (AI/ML) components into the rule engine. The integration of these advanced technologies will be guided by the insights and learnings gleaned from the first phase. Can you please provide us indicative number of usecases. Can you please state some of the possible use cases or can you please state some of the difficult scenario apart from those mentioned in the RFP.	As per Eol	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
242		14	Clause 4.7	4.7 The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	Please provide following •Existing data volumetric insight of the existing System to deriving the ask of Clause 4.7.	Please refer to the response for the query at S. No. 59	SoW	-
243		14	4.6	Setting up of HOT DR for SMART	What will be number of transaction for Live feed per hour/day.	As per Eol	SoW	-
244		14	4.6		Is SMART (along with the Centralized Lakehouse) required to be On Premise or On Cloud	Please refer to the response for the query at S. No. 01	SoW	-
245		14	4.6		Would hosting of the solution on MeitY empanelled public cloud infrastructure be acceptable?	Please refer to the response for the query at S. No. 01	SoW	-
246		14	4.6		Can you provide details around your requirement around Data Security: Covering authentication, authorization, and encryption of sensitive and personal identification data.	Please refer to the response for the query at S. No. 67	SoW	-
247		14	4.6	The HOT DR is required to be provisioned in around the capacity of 60-70% of the production environment	Kindly clarify that the DR should be 100 percent of DC where the DR is exact replica of DC. With 60-70% of the mentioned size of DR DR will have only subset of DC data	Please refer to the response for the query at S. No. 224	SoW	Please refer Final Eol
248	4.6	14		The HOT DR is required to be provisioned in around the capacity of 60-70% of the production environment	Kindly clarify that the DR should be 100 percent of DC where the DR is exact replica of DC. With 60-70% of the mentioned size of DR DR will have only subset of DC data	Please refer to the response for the query at S. No. 247	SoW	-
249		14	4.6	The HOT DR is required to be provisioned in around the capacity of 60-70% of the production environment	Kindly clarify that the DR should be 100 percent of DC where the DR is exact replica of DC. With 60-70% of the mentioned size of DR DR will have only subset of DC data	Please refer to the response for the query at S. No. 247	SoW	-
250		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	Request you to kindly provide the supporting data which will be required for the actual sizing of the stack. Without full data information bidder/oem will find it hard to do the actual sizing and mention in EOI	Please refer to the response for the query at S. No. 59	SoW	-
251	4.7	14		The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	Request you to kindly provide the supporting data which will be required for the actual sizing of the stack. Without full data information bidder/oem will find it hard to do the actual sizing and mention in EOI	Please refer to the response for the query at S. No. 59	SoW	-
252		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	Request you to kindly provide the supporting data which will be required for the actual sizing of the stack. Without full data information bidder/oem will find it hard to do the actual sizing and mention in EOI	Please refer to the response for the query at S. No. 59	SoW	-
253		14	4.1.0	The selected Bidder/ OEM is expected to maintain quality of service (QOS) for all the deliverables. They are required to incorporate amendments and enhancements as per changes in technology and market requirement during the contract period.	We strongly request department to consider the 99.99% of availability within the stack .	Please refer Final Eol	SoW	May be defined in RFP
254	4.1.0	14		The selected Bidder/ OEM is expected to maintain quality of service (QOS) for all the deliverables. They are required to incorporate amendments and enhancements as per changes in technology and market requirement during the contract period.	We strongly request department to consider the 99.99% of availability within the stack .	Please refer to the response for the query at S. No. 253	SoW	-
255		14	4.1.0	The selected Bidder/ OEM is expected to maintain quality of service (QOS) for all the deliverables. They are required to incorporate amendments and enhancements as per changes in technology and market requirement during the contract period.	We strongly request department to consider the 99.99% of availability within the stack .	Please refer to the response for the query at S. No. 253	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
256		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	We request department to consider software and hardware combination where software is designed to leverage underlying hardware capabilities to give industry leading performance in terms of data processing. Utilizing commodities hardware for such a large scale proect will not provide optimal performance. Engineed hardwares are best fitted for this solutioning considering the 3V of big data (Volume,Variety, Velocity)	As per Eol	SoW	-
257	4.7	14		The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	We request department to consider software and hardware combination where software is designed to leverage underlying hardware capabilities to give industry leading performance in terms of data processing. Utilizing commodities hardware for such a large scale proect will not provide optimal performance. Engineed hardwares are best fitted for this solutioning considering the 3V of big data (Volume,Variety, Velocity)	Please refer to the response for the query at S. No. 256	SoW	-
258		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	We request department to consider software and hardware combination where software is designed to leverage underlying hardware capabilities to give industry leading performance in terms of data processing. Utilizing commodities hardware for such a large scale proect will not provide optimal performance. Engineed hardwares are best fitted for this solutioning considering the 3V of big data (Volume,Variety, Velocity)	Please refer to the response for the query at S. No. 256	SoW	-
259		14	4.1 0	The selected Bidder/ OEM is expected to maintain quality of service (QOS) for all the deliverables. They are required to incorporate amendments and enhancements as per changes in technology and market requirement during the contract period	Considering the influx and amount of data which will keep growing YoY also we request department to consider technologies which avoid data movement within the data lakehouse. For ex 1. Machin Learning capabilities(ML) within relational database eliminates the need to move data to ML algorithm by running ML algorithms in database itself. 2. For batch data transformation ELT (Extract,Load,Transform) should be leveraged instead of ETL (Extract,Transform and Load). In ETL there is a thick middleware involvded where data has to be moved and transformed and then the resultant data is saved in database whereas in ELT data is loaded in database where database transformation happens and resultant data is saved there only.	Please refer to the response for the query at S. No. 67	SoW	-
260	4.1 0	14		The selected Bidder/ OEM is expected to maintain quality of service (QOS) for all the deliverables. They are required to incorporate amendments and enhancements as per changes in technology and market requirement during the contract period	Considering the influx and amount of data which will keep growing YoY also we request department to consider technologies which avoid data movement within the data lakehouse. For ex 1. Machin Learning capabilities(ML) within relational database eliminates the need to move data to ML algorithm by running ML algorithms in database itself. 2. For batch data transformation ELT (Extract,Load,Transform) should be leveraged instead of ETL (Extract,Transform and Load). In ETL there is a thick middleware involvded where data has to be moved and transformed and then the resultant data is saved in database whereas in ELT data is loaded in database where database transformation happens and resultant data is saved there only.	Please refer to the response for the query at S. No. 67	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
261		14	4.1 0	The selected Bidder/ OEM is expected to maintain quality of service (QOS) for all the deliverables. They are required to incorporate amendments and enhancements as per changes in technology and market requirement during the contract period	Considering the influx and amount of data which will keep growing YoY also we request department to consider technologies which avoid data movement within the data lakehouse. For ex 1. Machin Learning capabilities(ML) within relational database eliminates the need to move data to ML algorithm by running ML alorirthms in database itself. 2. For batch data transformation ELT (Extract,Load,Transform) should be leveraged instead of ETL (Extract,Transform and Load). In ETL there is a thick middleware involdded where data has to be moved and transformed and then the resultant data is saved in database whereas in ELT data is loaded in database where database transformation happens and resultant data is saved there only.	Please refer to the response for the query at S. No. 67	SoW	-
262		14	4.6	Setting up of HOT DR for SMART Since this SMART hosts critical data for running the smooth operation of multiple projects, it is important to provision the establishment of HOT DR for this environment. The HOT DR is required to be provision ed in around the cap acity of 60-70% of the production environment. The cap ability should be built in such a manner so that it has seamless switching between the production and HOT DR as and when req uired.	Is SMART (along with the Centralized Lakehouse) required to be On Premise or On Cloud (with DC and DR in India) Applications hosted on the Cloud offer several advantages over on-premise solutions like scalability, ease of accessibility, automatic updates resulting in constant f low of innovative f eatures and f unctionalities, overall lower maintenance costs, faster deployment and easier integrations enabling seamless data exchange and workflow automation. Can CMMI Level 3 (or above) Certification be considered? Can you provide details around your req uirement around Data Security: Covering authentication, authorization, and encryption of sensitive and personal identification data.	Please refer to the response for the query at S. No. 01,42 and 100	SoW	-
263		14	4.6	Setting up of HOT DR for SMART	Hot DR to be setup for all applications and databases or only critical application and databases?	Please refer to the response for the query at S. No. 247	SoW	-
264	CHAPTER-4	14	SCOPE OF THE WORK	4.6 Setting up of HOT DR for SMART Since this SMART hosts critical data for running the smooth operation of multiple projects, it is important to provision the establishment of HOT DR for this environment. The HOT DR is required to be provisioned in around the capacity of 60-70% of the production environment. The capability should be built in such a manner so that it has seamless switching between the production and HOT DR as and when required. 4.7 The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	Please clarify: Is RISL expecting the solution to be completely On-Prem or, Is RISL open for a cloud based solution using PAS (Platform as a Service) from a MEITY empanelled Cloud Service Provider	Please refer to the response for the query at S. No. 01	SoW	-
265		14	4.6	The HOT DR is required to be provisioned in around the capacity of 60-70% of the production environment	Kindly clarify that the DR should be 100 percent of DC where the DR is exact replica of DC. With 60-70% of the mentioned size of DR DR will have only subset of DC data	Please refer to the response for the query at S. No. 247	SoW	-
266		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	Request you to kindly provide the supporting data which will be required for the actual sizing of the stack. Without full data information bidder/oem will find it hard to do the actual sizing and mention in EOI	Please refer to the response for the query at S. No. 59	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
267		14	4.1.0	The selected Bidder/ OEM is expected to maintain quality of service (QOS) for all the deliverables. They are required to incorporate amendments and enhancements as per changes in technology and market requirement during the contract period	We strongly request department to consider the 99.99% of availability within the stack .	Please refer to the response for the query at S. No. 253	SoW	-
268		14	4.7	The Bidder/ OEM is required to propose AI/ML based solution along with hardware specification requirement for real time auto service delivery system adopting the above elements, scope of work and functional requirement as described in this EOI.	We request department to consider software and hardware combination where software is designed to leverage underlying hardware capabilities to give industry leading performance in terms of data processing. Utilizing commodities hardware for such a large scale proect will not provide optimal performance. Engineed hardwares are best fitted for this solutioning considering the 3V of big data (Volume,Variety, Velocity)	Please refer to the response for the query at S. No. 256	SoW	-
269		14	4.1.0	The selected Bidder/ OEM is expected to maintain quality of service (QOS) for all the deliverables. They are required to incorporate amendments and enhancements as per changes in technology and market requirement during the contract period	Considering the influx and amount of data which will keep growing YoY also we request department to consider technologies which avoid data movement within the data lakehouse. For ex 1. Machin Learning capabilities(ML) within relational database eliminates the need to move data to ML algorithm by running ML algorithms in database itself. 2. For batch data transformation ELT (Extract,Load,Transform) should be leveraged instead of ETL (Extract,Transform and Load). In ETL there is a thick middleware involdded where data has to be moved and transformed and then the resultant data is saved in database whereas in ELT data is loaded in database where database transformation happens and resultant data is saved there only.	Please refer to the response for the query at S. No. 67	SoW	-
270	CHAPTER-4	14	SCOPE OF THE WORK	S. No. 4.7 to 4.12	The mentioned clause are related to SoW of selected Bidder/ OEM, while as per HAPTER-6: BIDDING PROCESS -> S. No. 6.2, there will be an RFP floated for shortlisted Bidder/ OEM. Request to please confirm whether the contract shall be signed with shortlisted bidder/ OEM of EOI directly? what shall be the commercial terms in this respect	Please refer Final Eol	SoW	Please refer clause 1.5, 1.6 & Chapter-6. Clause 6.2 Deleted.
271		14	4.6	Setting up of HOT DR for SMART Since this SMART hosts critical data for running the smooth operation of multiple projects, it is important to provision the establishment of HOT DR for this environment. The HOT DR is required to be provision ed in around the capacity of 60-70% of the production environment. The capability should be built in such a manner so that it has seamless switching between the production and HOT DR as and when required.	Is SMART (along with the Centralized Lakehouse) required to be On Premise or On Cloud (with DC and DR in India) Applications hosted on the Cloud offer several advantages over on-premise solutions like scalability, ease of accessibility, automatic updates resulting in constant flow of innovative features and functionalities, overall lower maintenance costs, faster deployment and easier integrations enabling seamless data exchange and workflow automation. Can CMMI Level 3 (or above) Certification be considered? Can you provide details around your requirement around Data Security: Covering authentication, authorization, and encryption of sensitive and personal identification data.	Please refer to the response for the query at S. No. 01, 42 and 100	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
272		11	4.4.3 (d) sub point 3	Data Governance & Lineage: Ensuring authorized access and maintaining auditability with metadata-driven governance. Data Security: Covering authentication, authorization, and encryption of sensitive and personal identification data.	Data Governance and Security <ul style="list-style-type: none"> • Do you have metadata documentation in data models, glossaries, ontologies, etc.? • Is there an existing Business Process Management workflow through which changes are suggested, vetted, and approved? • How is the Business Metadata currently managed? Have you maintained below business metadata? • Do you have Existing data dictionaries, business glossaries, taxonomies? • Have defined system owners, Stake holders, Business owners? • What are Business user challenges to understand lineage, data flow and impact of changes? How does it impact your department/Ministry? • How much of understanding or confidence you have in your Citizen data? • What is the list of sources in scope for Data Catalog to pull metadata, technical lineage? Also, provide the version number of these sources? • Do you have code written in Python, SQL, database scripts and ETL flows in the existing setup? • Are you looking for a 360-degree view of data, metadata to gain insight into related datasets, tables, views, data domains and reports? • How often you will run the technical metadata scanning on these sources? • Has there been an exercise done in identifying critical data elements, Business terms, Definitions for the key data elements the government strategic business priorities? • What is the catalog run frequency and concurrency in terms of 	Response provided from S. No 438 to 464	SoW	-
273		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	<ul style="list-style-type: none"> • What existing integration solutions are currently in place? How is data mapping and transformation currently handled in the integration process? • What is the backend Database you have for Jan Aadhar Application? And what type of Data does it has? • Currently Is Citizen data being captured and provided by any other sources e.g., Raj Sampark, E-Mitra, Raj Dhara, IHMS, CSV files etc.? • List down the Data sources in scope for the Data Integration? RDBMS, NoSQL databases, Files, Mainframes, Legacy, ERP, message queues etc. • what (semi-structured, unstructured) data types/formats you looking to process in the Data Lake? E.g., file formats (flat files, JSON, XML, txt, csv, AVRO, Parquet, etc.) • Volumetric – What is the total volume of data need to be processed (across all sources) • How much GBs of Data will be processed (Source --> Data Lake) on the daily basis? • What is estimated Avg. number of concurrent ETL Jobs estimated? • Estimated % of Batch load Integration? • Describe what is meant by Realtime data pipeline to you? And Estimated % Realtime Integration? • What types of source systems and applications need to be integrated through APIs? • What is the requirement for address data/document duplication? Do you mean that current Jan Aadhar application has duplicate addresses for the Citizen records? • What is the real-time data source feed in scope for the Data Lake? 	Response provided from S. No 416 to 435	DELIVERABLES	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
274		15		Technology Name: Specify the proposed technology.	Request to confirm if the proposed technology can be public cloud native technologies.	Please refer to the response for the query at S. No. 01	DELIVERABLES	-
275		16, 5.2.2		Detailed Bill of Material (BoM) (un-priced)	Need volumetrics and many more details for detailed Bill of Material (BoM). Volumetrics will help decide the choice of tools. Likewise, hardware/server requirements and functional specifications can be done based on volumetrics	Please refer to the response for the query at S. No. 59, 67	DELIVERABLE	-
276		15, 5.2.1		(b) Solution Design and Architecture: Include High-Level Design (HLD) and Low-Level Design (LLD). (a) Technology Name: Specify the proposed technology (e). System Requirements & Functional Specifications: Detail hardware/server requirements and functional specifications.	HLD and LLD would be done at the project implementation stage. Would the Reference architecture suffice, for EOI purpose. Volumetrics will help decide the choice of tools. Hardware/server requirements and functional specifications can be done based on volumetrics	Please refer to the response for the query at S. No. 59, 67	DELIVERABLE	-
277	CHAPTER-5	15	Clause 5.1 , Pt.No.4.2, CHAPTER-5: DELIVERABLES	Technical Capability & Experience of OEM - Annexure-3 (PDF) + Copy of valid CA certificate	Does this criteria be met by OEM or their respective authorised service providers or SI or whosoever is the bidder , please clarify.	Please refer to the response for the query at S. No. 20	General	-
278	CHAPTER-5	15	CHAPTER 5: DELIVERABLES 4.2 Technical Capability & Experience of OEM	Annexure-3 (PDF)+Copy of Valid CA certificate	Copy of valid CA certificate may be not relevant for the technical capability and experience. Where as in detail annexure section supporting documents are mentioned as Work order /completion certificate/ Phase completion certificate from the client which are relevant to the technical capability and experience. Hence we are assuming supportive documents as mentioned in detailed annexure format. Please let us know if our understanding is correct	Modified	General	Updated
279		15	5	Deliverables General Queries	Can bidder propose platform on Miety empanelled Public Cloud ? If yes, are cloud native services are allowed to be proposed ?	Please refer to the response for the query at S. No. 01	DELIVERABLES	-
280		15	5	Deliverables General Queries	Does Bidder need to supply and setup the infrastructure (hardware and middleware) for SMART ? Or Bidder needs to just suggest the specifications required.	Please refer to the response for the query at S. No. 67	DELIVERABLES	-
281		15	5	Deliverables General Queries	We understand that RISL current ecosystem have Cloudera Data Lake, IBM for ECM and SAS Platform for Data Management/Analytics. Can bidder propose reusability or upgrade of the same solution	Please refer to the response for the query at S. No. 67 and 88	DELIVERABLES	-
282		15	5	Deliverables General Queries	What are the number of users and concurrency who will be accessing the Data Lake or Lakehouse and AI/ML Engine ? Can you share any information related to volumetric or user count that can help us for more accurate capacity planning for the proposed platform	Please refer to the response for the query at S. No. 59	General	-
283		16	Clause 5.3 , CHAPTER-5: DELIVERABLES	The Bidder/ OEM/ OEM should submit list of names of at least one or more existing organization where similar project (if not similar, quote the nearest match projects wherein AI/ML technologies have been used) have been implemented by the participating Bidder/ OEM. Following details to be provided:	Does this criteria be met by OEM or their respective authorised service providers or SI or whosoever is the bidder, please clarify.	Modified	DELIVERABLES	Deleted

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
284		16	5.3	The Bidder/ OEM/ OEM should submit list of names of at least one or more existing organization where similar project (if not similar, quote the nearest match projects wherein AI/ML technologies have been used) have been implemented by the participating Bidder/ OEM. Following details to be provided: - Name of Organization - Address of organization - Address of location where project implemented. - Contact person and telephone number. - Nature of Business - Technology on which project implemented. - Date of commencement/completion of project - Number of personnel with qualification involved.	These may be sensitive projects. Can bidder white label these details? Will RISL is open to be referenceable customer after successful completion of this program?	As per Eol	DELIVERABLES	-
285		16, 5.4		Infrastructure and Resources already available with the Bidder/ OEM:	These should be applicable for OEM.	As per Eol	DELIVERABLE	-
286		16		Infrastructure and Resources already available with the Bidder/ OEM	Request to please confirm if the same can be taken on the Meity empanelled public cloud.	Please refer to the response for the query at S. No. 1	DELIVERABLES	-
287		16	Clause 5.4 , CHAPTER-5: DELIVERABLES	Infrastructure and Resources already available with the Bidder/ OEM : 1) Computing resources: Specify the available computing resources for AI research,including number of servers, number of GPUs and other relevant hardware. 2) Laboratories: Provide information about the number and details of research laboratories or facilities available for AI research within the institution. 3) Data storage: Provide information about the capacity and availability of data storage systems for AI activities. 4) Software licenses: Mention any specialized software licenses or tools available that support AI activities. 5) Access to datasets: Mention whether the institution has access to high-quality datasets that can be used for AI activities. Provide details of the same.	Does this criteria be met by OEM or their respective authorised service providers or SI or whoso ever is the bidder , please clarify.	Deleted	DELIVERABLE	Deleted
288		16	5.4 Infrastructure and Resources already available with the Bidder/ OEM:	5.4. Infrastructure and Resources already available with the Bidder/ OEM: 1) Computing resources: Specify the available computing resources for AI research,including number of servers, number of GPUs and other relevant hardware. 2) Laboratories: Provide information about the number and details of research laboratories or facilities available for AI research within the institution. 3) Data storage: Provide information about the capacity and availability of data storage systems for AI activities. 4) Software licenses: Mention any specialized software licenses or tools available that support AI activities. 5) Access to datasets: Mention whether the institution has access to high-quality datasets that can be used for AI activities. Provide details of the same.	Please provide following •Existing data volumetric insight of the existing System to deriving the ask of Clause 5.4. •Please clarify the relevancy for Point 1 and 2 of Clause 5.4. in context to EOI	Please refer to the response for the query at S. No. 287	DELIVERABLES	-
289		16	CHAPTER-5: DELIVERABLES	5.2.4. Lifecycle of the Proposed Tool: Mention the expected lifecycle of the proposed tool/product.	This requirement is not very clear. Kindly elaborate on the exact ask from this point.	Deleted	DELIVERABLES	Deleted

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
290		16	5.2.1 e)	System Requirements & Functional Specifications: Detail hardware/server requirements and functional specifications	Request you to kindly provide the supporting data which will be required for the actual sizing of the stack. Without full data information bidder/oem will find it hard to do the actual sizing and mention in FOI	Please refer to the response for the query at S. No. 59	DELIVERABLES	-
291	5.2.1 e)	16		System Requirements & Functional Specifications: Detail hardware/server requirements and functional specifications	Request you to kindly provide the supporting data which will be required for the actual sizing of the stack. Without full data information bidder/oem will find it hard to do the actual sizing and mention in FOI	Please refer to the response for the query at S. No. 59	DELIVERABLES	-
292		16	5.2.1 e)	System Requirements & Functional Specifications: Detail hardware/server requirements and functional specifications	Request you to kindly provide the supporting data which will be required for the actual sizing of the stack. Without full data information bidder/oem will find it hard to do the actual sizing and mention in FOI	Please refer to the response for the query at S. No. 59	DELIVERABLES	-
293		16	5.2.1 g)	AI Component Details: a. Dataset Used: Specify the dataset used for development. b. Model Type: Indicate whether the model is based on supervised, unsupervised, or reinforcement learning, and address any known biases.	Request you to kindly provide the supporting data which will be required model type qualification and analysis	Deleted	DELIVERABLES	Deleted
294	5.2.1 g)	16		AI Component Details: a. Dataset Used: Specify the dataset used for development. b. Model Type: Indicate whether the model is based on supervised, unsupervised, or reinforcement learning, and address any known biases.	Request you to kindly provide the supporting data which will be required model type qualification and analysis	Please refer to the response for the query at S. No. 293	DELIVERABLES	-
295		16	5.2.1 Point g?	AI Component Details: a. Dataset Used: Specify the dataset used for development. b. Model Type: Indicate whether the model is based on supervised, unsupervised, or reinforcement learning, and address any known biases.	This will depend on the AI/ML use cases. RISL will share the use cases?	Please refer to the response for the query at S. No. 293	DELIVERABLES	-
296		16	5.2.1 g)	AI Component Details: a. Dataset Used: Specify the dataset used for development. b. Model Type: Indicate whether the model is based on supervised, unsupervised, or reinforcement learning, and address any known biases.	Request you to kindly provide the supporting data which will be required model type qualification and analysis	Please refer to the response for the query at S. No. 293	DELIVERABLES	-
297		16	5.5	It shall include the following details with respect to implementation of the project: 1) Mention Compliances & Standards or Guidelines available / covered. 2) Dependencies for implementation & roll-out of the project 3) Expected Timelines	Kindly clarify that 5.5 is in continuation of 5.3 point or provide more clarity what documents has to be provided here by bidder/oem	Modified	DELIVERABLES	Clause 5.5.1 deleted
298		16, 5.5		3) Expected Timelines 4) Proposed Manpower composition	These details can be furnished only if volumetrics & details of KPIs are made available.	Please refer to the response for the query at S. No. 59	DELIVERABLES	-
299		16	5.5. It shall include the following details with respect to implementation of the project:	5.5 It shall include the following details with respect to implementation of the project: 1) Mention Compliances & Standards or Guidelines available / covered. 2) Dependencies for implementation & roll-out of the project 3) Expected Timelines 4) Proposed Manpower composition	Please provide following •Existing data volumetric insight of the existing System (i.e., System, SubSystem, Technical Stack, Data Volume, Data Growth, Data Format, Data Availability, Current schemes, Current process for qualifying the Eligibility, Current Hosting) to deriving the ask of Clause 5.5.	Please refer to the response for the query at S. No. 59	DELIVERABLES	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
300	5.5	16		It shall include the following details with respect to implementation of the project: 1) Mention Compliances & Standards or Guidelines available / covered. 2) Dependencies for implementation & roll-out of the project 3) Expected Timelines	Kindly clarify that 5.5 is in continuation of 5.3 point or provide more clarity what documents has to be provided here by bidder/oem	Please refer to the response for the query at S. No. 297	DELIVERABLES	-
301		16	5.5	It shall include the following details with respect to implementation of the project: 1) Mention Compliances & Standards or Guidelines available / covered. 2) Dependencies for implementation & roll-out of the project 3) Expected Timelines	Kindly clarify that 5.5 is in continuation of 5.3 point or provide more clarity what documents has to be provided here by bidder/oem	Please refer to the response for the query at S. No. 297	DELIVERABLES	-
302		16	5.2.1 e)	System Requirements & Functional Specifications: Detail hardware/server requirements and functional specifications	Request you to kindly provide the supporting data which will be required for the actual sizing of the stack. Without full data information bidder/oem will find it hard to do the actual sizing and mention in EOI	Please refer to the response for the query at S. No. 59	DELIVERABLE	-
303		16	5.2.1 g)	AI Component Details: a. Dataset Used: Specify the dataset used for development. b. Model Type: Indicate whether the model is based on supervised, unsupervised, or reinforcement learning, and address	Request you to kindly provide the supporting data which will be required model type qualification and analysis	Please refer to the response for the query at S. No. 293	DELIVERABLES	-
304		16	5.5	It shall include the following details with respect to implementation of the project: 1) Mention Compliances & Standards or Guidelines available / covered. 2) Dependencies for implementation & roll-out of the project 3) Expected Timelines	Kindly clarify that 5.5 is in continuation of 5.3 point or provide more clarity what documents has to be provided here by bidder/oem	Please refer to the response for the query at S. No. 297	DELIVERABLES	-
305		20	8.1	Submitted more than one EOI. This will cause disqualification of all or subsequent to first EOI submitted by such applicants.	Kindly clarify that a OEM can submit multiple responses to the EOI through different bidders.	As per Eol	General	-
306		20	8.1	Submitted more than one EOI. This will cause disqualification of all or subsequent to first EOI submitted by such applicants.	Kindly clarify that a OEM can submit multiple responses to the EOI through different bidders.	Please refer to the response for the query at S. No. 305	General	-
307		20	8.1	Submitted more than one EOI. This will cause disqualification of all or subsequent to first EOI submitted by such applicants.	Kindly clarify that a OEM can submit multiple responses to the EOI through different bidders.	Please refer to the response for the query at S. No. 305	General	-
308		21	Clause 9.3 , Pt.No.3, Evaluation of EOI Bids	Number of similar projects executed/ being executed:Annexure 3: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. >=2 No. of Projects =<3: MM – 10 marks b. >3 No. of Projects =<5: MM – 20 marks	(i) In the global projects usually client engagement are under NDA , therefore their workorder & completion certificate , contract agreement cannot be shared , hence, we request to allow this Annexure -3 with details of client engagement signed by CA/CS/Authorises Signatory to be submit as credential. (ii) Does this criteria be met by OEM or their respective authorised service providers or SI or whoso ever is the bidder , please clarify.	Please refer to the response for the query at S. No. 23	Evaluation	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
309	CHAPTER 9: EOI BID EVALUATION PROCESS	21	9.3 Sl. 3	Number of similar projects executed/ being executed: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. >=2 No. of Projects =<3: MM – 10 marks b. >3 No. of Projects =<5: MM – 20 marks c. >5 No. of Projects: MM – 30 marks	Request you to amend this clause as below: Number of similar projects executed/ being executed: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. >=1 No. of Projects =<3: MM – 10 marks b. >2 No. of Projects =<5: MM – 20 marks c. >3 No. of Projects: MM – 30 marks	Please refer Final Eol	Evaluation	Please refer clause 9.3
310	CHAPTER 9	21	EOI BID EVALUATION PROCESS -> 9.3	S. No. 1.2 Approach & Methodology for project execution	This shall required details study of the existing set-up and the process flow for required upgrade/ updates for execution. Request you to kindly provide the existing process flow for identification of beneficiaries for different departmental 35+ service and 75+ schemes or allow submission of concept note	Please refer Final Eol	Evaluation	Please refer clause 9.3
311	CHAPTER 9	21	EOI BID EVALUATION PROCESS -> 9.3	S. No. 2 Turnover of the firm: Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets)), a. 150 crore > = Turnover =< 300 crore: MM – 5 marks b. 300 crore > Turnover =< 500 crore: MM – 10 marks c. > 500 crore: MM – 15 marks	Request to kindly modify clause as below: Turnover of the firm: Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets)), a. 150 20 crore > = Turnover =< 300 crore: MM – 5 marks b. 300 crore > Turnover =< 500 crore: MM – 10 marks c. > 500 crore: MM – 15 marks	Please refer Final Eol	Evaluation	Please refer clause 9.3
312	CHAPTER 9: EOI BID EVALUATION PROCESS	21	9.3 Sl. 2	Turnover of the firm: Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets)), a. 150 crore > = Turnover =< 300 crore: MM – 5 marks b. 300 crore > Turnover =< 500 crore: MM – 10 marks c. > 500 crore: MM – 15 marks	Request you to amend this clause as below: Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets)) a. 50 crore > = Turnover =< 80 crore: MM – 5 marks b. 80 crore > Turnover =< 100 crore: MM – 10 marks c. > 100 crore: MM – 15 marks	Please refer to the response for the query at S. No. 311	Evaluation	-
313	CHAPTER 9	21	EOI BID EVALUATION PROCESS -> 9.3	S. No. 3 Number of similar projects executed/ being executed: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. 2 2 No. of Projects =<3: MM – 10 marks b. 3 3 No. of Projects =<5: MM – 20 marks c. 5 2 No. of Projects: MM – 30 marks	Request to kindly modify clause as below: Number of similar projects executed/ being executed: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. 2 1 Project: MM – 10 marks b. 3 2 Projects: MM – 20 marks c. 5 2 No. of Projects: MM – 30 marks	Please refer to the response for the query at S. No. 309	Evaluation	-
314	CHAPTER 9	21	EOI BID EVALUATION PROCESS -> 9.3	S. No. 4 Demo of any of the submitted project	The implementation of AI/ML based analytics is a customized solution as per the requirement of the client. Since, we are bound with the NDA clause, demo of the project would lead to violation and compliance issues. Hence, it is requested to delete this clause	Deleted	Evaluation	Deleted and Modified

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
315	CHAPTER 9	21	EOI BID EVALUATION PROCESS -> 9.3	S. No. 5 Existing practices of the organization in AI/ML. This shall mean: a. Availability of R&D section in AI/ML. b. Presence of Centre of Excellence in AI/ML c. Any other setup which establishes maturity of the organization in AI/ML	The mentioned clause is restrictive and bias in nature, hence it is requested to delete the clause	Deleted	Evaluation	Deleted
316	CHAPTER 9	21	EOI BID EVALUATION PROCESS -> 9.3	S. No. 6 Number of on roll employees in the organization, working on AI/ML technology: a. 20 No. of manpower =50: MM – 5 marks b. 50 No. of manpower: MM – 10 marks	The mentioned clause is restrictive and bias in nature, hence it is requested to delete the clause	As per Eol	Evaluation	-
317		21	9.3 - 1	Proposal Document Understanding of scope of work and solution proposed Approach & Methodology for project execution Best Practices and suggestions on additional use cases of AI/ML Technique	Proposal document - does this Eol response need to have a commercial bid also?	As per Eol	Evaluation	No commercial bid to be submitted
318		21	9.3	CHAPTER 9: EOI BID EVALUATION PROCESS: 3. Number of similar projects executed/ being executed: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. >=2 No. of Projects =3: MM – 10 marks b. >3 No. of Projects =5: MM – 20 marks c. >5 No. of Projects: MM – 30 marks	We request you to amend the clause as mentioned below: CHAPTER 9: EOI BID EVALUATION PROCESS: 3. Number of similar projects executed/ being executed: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. >=2 1 No. of Projects : MM – 10 15 marks b. >=3 2 No. of Projects : MM – 20 30 marks c. >=5 No. of Projects: MM – 30 marks	Please refer to the response for the query at S. No. 309	Evaluation	-
319		21	9.3 Point 3	Number of similar projects executed/ being executed: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. >=2 No. of Projects =3: MM – 10 marks b. >3 No. of Projects =5: MM – 20 marks c. >5 No. of Projects: MM – 30 marks	Global reference of Bidder and OEM should be allowed. White labelling should be allowed	As per Eol	Evaluation	-
320	CHAPTER 9: EOI BID EVALUATION PROCESS	21		TQ#3 Number of similar projects executed/ being executed: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. >=2 No. of Projects =3: MM – 10 marks b. >3 No. of Projects =5: MM – 20 marks c. >5 No. of Projects: MM – 30 marks	May we kindly request you to amend the clause as per following:- TQ#3 Number of similar projects executed/ being executed: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria [to be fulfilled by either any of consortiumpartner/OEM or in combined by all together (Consortium & OEM)] a. >=2 No. of Projects =3: MM – 10 marks b. >3 No. of Projects =5: MM – 20 marks c. >5 No. of Projects: MM – 30 marks	Please refer to the response for the query at S. No. 309	Evaluation	-
321		21	CHAPTER 9: EOI BID EVALUATION PROCESS Criteria Sl. No. 3	Number of similar projects executed/ being executed: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. >=2 No. of Projects =3: MM – 10 marks b. >3 No. of Projects =5: MM – 20 marks c. >5 No. of Projects: MM – 30 marks Supporting: Please attach a copy of the work order/ completion certificate/ purchase order/ letter from the customer for each project reference as per PQ criteria mentioned in the EOI	Request you to kindly ammend the clause as per changes suggested below- Number of similar projects executed/ being executed in India/Global: Solution implemented against the experience cited for point no. 2 of Sl. 2.2 of chapter-2 pre-qualification criteria. a. >=2 No. of Projects =3: MM – 10 marks b. >3 No. of Projects =5: MM – 20 marks c. >5 No. of Projects: MM – 30 marks Supporting: Please attach a copy of the work order/ completion certificate/ purchase order/ letter from the customer for each project reference as per PQ criteria mentioned in the EOI/Chartered Accountant Certificate where NDA is signed with	Please refer to the response for the query at S. No. 309	Evaluation	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
322		21	Evaluation of EOI Bids	Turnover of the firm: Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets)), a. 150 crore > = Turnover =< 300 crore: MM – 5 marks b. 300 crore > Turnover =< 500 crore: MM – 10 marks c. > 500 crore: MM – 15 marks	We request you to please revise this marking criteria, as per the bidder having atleast Average Annual Turnover of Rs. 100 Crores. Kindly amend this clause as:- Turnover of the firm: Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets)), a. 50 crore > = Turnover =< 80 crore: MM – 5 marks b. 80 crore > Turnover =< 100 crore: MM – 10 marks c. > 100 crore: MM – 15 marks	Please refer to the response for the query at S. No. 311	Evaluation	-
323		21	CHAPTER 9: EOI BID EVALUATION PROCESS	Turnover of the firm: Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets)), a. 150 crore > = Turnover =< 300 crore: MM – 5 marks b. 300 crore > Turnover =< 500 crore: MM – 10 marks c. > 500 crore: MM – 15 marks	Requested to be modied as: Turnover of the firm: Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets)), a. 500 crore > = Turnover =< 800 crore: MM – 5 marks b. 800 crore > Turnover =< 1000 crore: MM – 10 marks c. > 1000 crore: MM – 15 marks	Please refer to the response for the query at S. No. 311	Evaluation	-
324		21	9.3. Evaluation of EOI Bids	Turnover of the firm: Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets)), a. 150 crore > = Turnover =< 300 crore: MM – 5 marks b. 300 crore > Turnover =< 500 crore: MM – 10 marks c. > 500 crore: MM – 15 marks	We request you to kindly amend the clause as under:- Turnover of the firm: Average Annual Turnover from IT/ITeS of the Bidder during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets)), a. 80 crore > = Turnover =< 100 crore: MM – 10 marks b. 100 crore > Turnover =< 150 crore: MM – 12 marks c. > 150 crore: MM – 15 marks	Please refer to the response for the query at S. No. 311	Evaluation	-
325		21	CHAPTER 9: EOI BID EVALUATION PROCESS	9.3 Evaluation of EOI Bids Firms securing atleast minimum qualifying marks as mentioned in 9.3 shall be considered technically responsive	We are suggesting to consider the weightage of Eol marks in RFP responses also so that bidder / OEM with higher marks shall be benefitted	As per Eol	Evaluation	-
326		21	CHAPTER 9: EOI BID EVALUATION PROCESS	Proposal Document	As part of proposal document it has been asked for a detailed solution, architectures, workflows, detailed infra requirements, a BoM, and other relevant aspects in addition to an AnM at an Eol stage, with a weightage of just 25%. Since it is technology oriented project and these are crucial information hence suggesting you to increase this weightage from 25% to 35% and subsequently it may reduced from other heads	As per Eol	Evaluation	-
327	CHAPTER 9: EOI BID EVALUATION PROCESS	21		Existing practices of the organization in AI/ML. This shall mean: a. Availability of R&D section in AI/ML. b. Presence of Centre of Excellence in AI/ML c. Any other setup which establishes maturity of the firm in AI/ML	May we kindly request you to amend the clause as per following:- Existing practices of the organization (either by any consortium member or OEM) in AI/ML. This shall mean: a. Availability of R&D section in AI/ML b. Presence of Centre of Excellence in AI/ML c. Any other setup which establishes maturity of the firm in AI/ML	Please refer to the response for the query at S. No. 315	Evaluation	-
328	CHAPTER 9: EOI BID EVALUATION PROCESS	21		Number of on roll employees in the organization, working on AI/ML technology: a. >20 No. of manpower =<50: MM – 5 marks b. >50 No. of manpower: MM – 10 marks	May we kindly request you to amend the clause as per following:- Number of on roll employees in the organization [either by any of consortiumpartner/OEM or in combined by all put together (Consortium & OEM)], working on AI/ML technology: a. >20 No. of manpower =<50: MM – 5 marks b. >50 No. of manpower: MM – 10 marks	Please refer Final Eol	Evaluation	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
329		21	9.3-1	Proposal Document Understanding of scope of work and solution proposed Approach & Methodology for project execution Best Practices and suggestions on additional use cases of AI/ML Technique	Proposal document - does this Eol response need to have a commercial bid also?	Please refer to the response for the query at S. No. 317	Evaluation	-
330		21	9.3	Evaluation of EOI Bids:	These marks should be carried forward in RFP as well for QCBS scoring.	As per Eol	Evaluation	-
331		22		Existing practices of the organization in AI/ML. This shall mean: a. Availability of R&D section in AI/ML. b. Presence of Centre of Excellence in AI/ML c. Any other setup which establishes maturity of the firm in AI/ML	Does this criteria be met by OEM or their respective authorised service providers or SI or who ever is the bidder , please clarify.	Please refer to the response for the query at S. No. 315	Evaluation	-
332		22	9.3-5,6	5. Existing practices of the organization in AI/ML. This shall mean: a. Availability of R&D section in AI/ML. b. Presence of Centre of Excellence in AI/ML c. Any other setup which establishes maturity of the firm in AI/ML 6. Number of on roll employees in the organization, working on AI/ML technology: a. >20 No. of manpower =<50: MM – 5 marks	Points 5 & 6 are related to the bidder. However is it OK to consider these clauses in joint consideration between OEM & Bidder?	Please refer to the response for the query at S. No. 315 and 328	Evaluation	-
333		22	CHAPTER 9: EOI BID EVALUATION PROCESS	Number of on roll employees in the organization, working on AI/ML technology: a. >20 No. of manpower =<50: MM – 5 marks b. >50 No. of manpower: MM – 10 marks	Requested to be modied as: Number of on roll employees in the organization, working on AI/ML technology: a. > 100 No. of manpower =<200: MM – 5 marks b. > 200 No. of manpower: MM – 10 marks	Please refer to the response for the query at S. No. 328	Evaluation	-
334	9.3.4	22		Demo of any of the submitted project	Due to NDA agreements with the customers it is not legally possible to showcase the deployed services from the customer environment. Kindly change this to demo of proposed solution.	Please refer to the response for the query at S. No. 314	Evaluation	-
335		22	9.3.4	Demo of any of the submitted project	Due to NDA agreements with the customers it is not legally possible to showcase the deployed services from the customer environment. Kindly change this to demo of proposed solution	Please refer to the response for the query at S. No. 314	Evaluation	-
336		22	9.3.4	Demo of any of the submitted project	Due to NDA agreements with the customers it is not legally possible to showcase the deployed services from the customer environment. Kindly change this to demo of proposed solution	Please refer to the response for the query at S. No. 314	Evaluation	-
337		22		Demo of any of the submitted project	Live demo of the submitted project is not feasible to show case due to NDA with our clients , however, case studies in the form of ppt can be showcased. Would that be acceptable for evaluation , please confirm	Please refer to the response for the query at S. No. 314	Evaluation	-
338		22	CHAPTER 9: EOI BID EVALUATION PROCESS Criteria Sl. No. 4	Demo of any of the submitted project	Request you to kindly consider presentation slides along with bid proposal submission	Please refer to the response for the query at S. No. 314	Evaluation	-
339		22	CHAPTER 9: EOI BID EVALUATION PROCESS	9.3 Evaluation of EOI Bids 4. Demo of any of the submitted project	Kindly provide relaxation on this, we will present a detailed presentation on the project which are relevant and submitted. With this nature of work we have signed NDA with most of our client hence demo becomes very difficult for us, we need to take concern from the beneficiaries departments	Please refer to the response for the query at S. No. 314	Evaluation	-
340		22	9.3-4	Demo of any of the submitted project	Demo of projects - Hope showing a demo of a PoC setup would be acceptable?	Please refer to the response for the query at S. No. 314	Evaluation	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
341		22	9.3 4	Demo of any of the submitted project	Due to NDA agreements with the customers it is not legally possible to showcase the deployed services from the customer environment. Kindly change this to demo of proposed solution	Please refer to the response for the query at S. No. 314	Evaluation	-
342		22	9.3 - 4	Demo of any of the submitted project	Demo of projects - Hope showing a demo of a PoC setup would be acceptable?	Please refer to the response for the query at S. No. 314	Evaluation	-
343		22	9.3 - 5,6	5. Existing practices of the organization in AI/ML. This shall mean: a. Availability of R&D section in AI/ML. b. Presence of Centre of Excellence in AI/ML c. Any other setup which establishes maturity of the firm in AI/ML 6. Number of on roll employees in the organization, working on AI/ML technology: a. >20 No. of manpower =<50: MM – 5 marks	Points 5 & 6 are related to the bidder. However is it OK to consider these clauses in joint consideration between OEM & Bidder?	Please refer to the response for the query at S. No. 315 and 328	Evaluation	-
344		22		Evaluation of EOI Criteria No. 6,	Number of on roll employees in the organization, working on AI/ML technology: a. >20 No. of manpower =<50: MM – 5 marks b. >50 No. of manpower: MM – 10 marks We would request your good office to kindly consider the following amendments: Number of on roll employees in the organization, working on AI/ML technology/Software Development/ technical professional/others: a. >20 No. of manpower =<50: MM – 5 marks	Please refer to the response for the query at S. No. 328	Evaluation	Updated
345		22		Evaluation of EOI Criteria No. 4,	Demo of any of the submitted project Please clarify more.	Please refer to the response for the query at S. No. 314	Evaluation	-
346		25	Annexure 1 v.XII	Project References for technical capability & Experience: Detail of successful completion of AI/ML based technology project implemented in India in selected domain	Kindly allow for global references for the implemented projects instead of just the projects within India.	Modified	Annexure	Updated, Please refer clause 5.1
347		25		ANNEXURE-1: FORM FOR EXPRESSION OF INTEREST (Eol) -	xiii. Address of Registered office and local office in Rajasthan, if any xiii. Please allow undertaking/self-declaration for local office in Rajasthan. v.iii Bidder/ OEM's Authorization Certificate as per Eol v.iii Please share OEM's authorization certificate, not given in EOI document. v.xiv Mandatory Undertaking: Have you ever Been blacklisted by any State or Central Government in India? v.xiv Please share mandatory undertaking format, not given in EOI document.	Modified	Annexure	Updated, Please refer clause 5.1 & 2.2.7
348		25	Annexure 1 v.XII	Project References for technical capability & Experience: Detail of successful completion of AI/ML based technology project implemented in India in selected domain	Kindly allow for global references for the implemented projects instead of just the projects within India.	Please refer to the response for the query at S. No. 346	Annexure	-
349		25	Annexure 1 v.XII	Project References for technical capability & Experience: Detail of successful completion of AI/ML based technology project implemented in India in selected domain	Kindly allow for global references for the implemented projects instead of just the projects within India.	Please refer to the response for the query at S. No. 346	Annexure	-
350	Annexure 1 v.XII	25		Project References for technical capability & Experience: Detail of successful completion of AI/ML based technology project implemented in India in selected domain	Kindly allow for global references for the implemented projects instead of just the projects within India.	Please refer to the response for the query at S. No. 346	Annexure	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
351		25		Project References for technical capability & Experience: Detail of successful completion of AI/ML based technology project implemented in India in selected domain. The Bidder/ OEM is required to submit copy of work order and work completion certificate for each project.	This Pre-qualification criteria is salient about the implementation experience is required from India or Global, however here in this point it is ask from India. We request to allow global credential also to gauge the capability & past experience of bidders.	Please refer to the response for the query at S. No. 346	Annexure	-
352		27		FORMAT FOR SUBMISSION OF PROJECT REFERENCES FOR PRE-QUALIFICATION EXPERIENCE : Please attach a copy of the work order/ completion certificate/ purchase order/ letter from the customer for each project reference as per PQ criteria mentioned in the EOI	In the global projects usually client engagement are under NDA , therefore their workorder & completion certificate , contract agreement cannot be shared , hence, we request to allow this Annexure -3 with details of client engagement signed by CA/CS/Authorises Signatory to be submit as credential.	Please refer to the response for the query at S. No. 278	Annexure	-
353		29	ANNEXURE 5 : HR Certificate for Manpower Strength	<No. of technical professionals> technically professional with respect to technology AI/ML/ Software Development/ Others etc./ as on date of bid submission.	In Technical Evaluation criteria marks are based on only manpower working on AI/ML technology, hence do we need to provide manpower strength of other streams, skill or technology also, if yes then what are those skills and technologies, kindly clarify	Deleted	Annexure	Updated
354		30	ANNEXURE-5a: PROPOSED MANPOWER PROFESSIONALS		the details asked in this section shall be provided after finalization of actual scope of work. Since this is an EOI with an intent to explore the possible solution, it is requested to delete this clause	As per Eol	Annexure	-
355		13,14	4.5	a. Income validation: validate income through sources like Transport Department Records, e-Mitra transactions, land records, electricity bills, e-PDS Crop Yield Images, Mandi transactions etc., b. Education and employment history, c. HealthCare utilization, d. Social welfare programs participation etc.	Is there any API available to access for the data sources mentioned in the RFP document	As per Eol	SoW	-
356	CHAPTER-2: ELIGIBILITY CRITERIA &CHAPTER 9: EOI BID EVALUATION PROCESS	8 & 21		Legal Entity	We kindly request you to allow consortium of maximum two members, including Lead Member and Technical Evaluation Clause No. 3 (Number of Similar Projects), Technical Evaluation Clause No. 5 (Existing practices of the organization in AI/ML) and Technical Evaluation Clause No. (Number of on roll employees in the organization, working on AI/ML technology) can be fulfilled by any of consortium partner/OEM or in combined by all together (Consortium & OEM).	Please refer to the response for the query at S. No. 05 and 41	Evaluation	-
357		General	General	Bidder and OEM partnership for this project	Does one OEM should be allowed to work with or recommend only one SI ? Does it allow to change OEM and SI partnership at RFP phase ?	Please refer to the response for the query at S. No. 305	General	-
358		General	Eol Document Fee	Eol document fee is not clearly mentioned on Eol	In Eol front page price is mentioned as 2500 shall we consider the same as Eol Document Fee	As per Eol	General	-
359		General	Sizing Estimation	Approx. volume of data considering all the sources	In order to estimate the sizing we would request you to provide indicative volume of data considering all the sources	Please refer to the response for the query at S. No. 59	SoW	-
360		General	Portal for citizen	Requirement of Portal for citizen consent management and government to approve exceptions	We request RISL to provide clarification around any requirement of Portal that need to be developed for citizen facing/ government officers to review/approve any exceptions generated from rule engine	As per Eol	SoW	-
361			Scope of Work	This Eol is a two-stage selection process for "Selection of Bidder/ OEM for implementation of 'SMART' project	Requesting department to clarify whether a public cloud based solution is acceptable as a solution to the EOI and upcoming RFP	Please refer to the response for the query at S. No. 01	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
362			CHAPTER-2: ELIGIBILITY CRITERIA, Clause 2.2		<p>Additional Clause Proposed: Individual bidders/OEMs or consortium/JV of bidders/OEMs are allowed for submitting the Eol.</p> <p>Rationale: OEM of similar solutions or authorized implementation partner of such OEMs shall also be allowed to participate in the Eol & tender. It may be noted that in large and complex assignments similar to the current Eol/tender, OEMs, consultants or service providers are allowed to associate with each other to complement their respective areas of expertise, to increase the technical responsiveness of their proposal and add value to project as well as to the procurement agency. Therefore, it is suggested that participation of OEMs or authorized implementation partner of OEMs in association/consortium/JV with other bidders shall be allowed. This will also enable larger participation in the tender, which will be in the interest of RISL.</p> <p>The Manual for Procurement of Consultancy & Other Services notified by Government of India has also emphasised on participation of consortium of bidders for similar assignments. The relevant pages of the above guidelines are provided in the Annexure 1.</p>	Please refer to the response for the query at S. No. 05 and 41	ELIGIBILITY CRITERIA	-
363				No mention in EOI	We request in the formal RFP, inclusion of sub-contracting be allowed and limited to OEM / OEM authorized implementation partner. However, the responsibility of completion of the project will be binding on the Bidder.	As per Eol	ELIGIBILITY CRITERIA	-
364					Request RISL to please let us know the period of the project post implementation	Please refer to the response for the query at S. No. 96	SoW	-
365			CHAPTER-2: ELIGIBILITY CRITERIA, Clause 2.2 (S. No. 3)	"Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 200 Crores."	<p>Proposed Clause: Average Annual Turnover from IT/ITeS of the Bidder/ OEM during the last three financial years, i.e., from 2020-21, 2021-22 and 2022-23 (as per the last published audited balance sheets), should be at least Rs. 50 200 Crores.</p> <p>Rationale: The Average Annual Turn-over required under qualification criteria for the last 3 years is Rs. 200 crore, which is significantly high and also against the CVC guidelines. As per the CVC guidelines and the Manual for Procurement of Consultancy & Other Services notified by Government of India (document enclosed as Annexure 1) provides that the turnover criteria should be 30% of the estimated value and should not be on higher side and the same shall be fixed on a reasonable to maintain competition: "It is also noted that while selecting consultants, some procuring entities are keeping the minimum qualifying turnover at the level of 5-10 times of the estimated cost of the consultancy work. This, prima facie, appears high. Higher qualification criteria increase the likelihood of adequate experience/ capacity, but reduce the competition; if set unduly high they may increase the cost without any improvement in quality. It is suggested that the criteria should be fixed on a reasonable basis while drafting tender documents and such higher minimum qualifying turnover should be kept only, if adequately justified." We further highlight that the Ministry of Micro Small and Medium Enterprises, GoI has issued various relaxations in qualification criteria to promote MSME firms in India and accordingly suggest that the relaxation in turn-over should also be allowed in line with the Public Procurement Policy for</p>	As per Eol	Financial Turnover	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
366			CHAPTER-5: DELIVERABLES	Technical Capability & Experience of OEM - Annexure-3 (PDF) + Copy of valid CA certificate	Requesting department to accept the same in OEM Letterhead in stead of CA certificate as the same might not be possible for OEM	Please refer to the response for the query at S. No. 278	Annexure	-
367			5.4. Infrastructure and Resources already available with the Bidder/ OEM:	1) Computing resources: Specify the available computing resources for AI research, including number of servers, number of GPUs and other relevant hardware. 2) Laboratories: Provide information about the number and details of research laboratories or facilities available for AI research within the institution. 3) Data storage: Provide information about the capacity and availability of data storage systems for AI activities. 4) Software licenses: Mention any specialized software licenses or tools available that support AI activities. 5) Access to datasets: Mention whether the institution has access to high-quality datasets that can be used for AI activities. Provide details of the same.	Requesting the department to remove this clause as OEMs are generally not allowed to share this information directly	Please refer to the response for the query at S. No. 287	DELIVERABLES	-
368			8.1. DoIT&C/ RajCOMP, may in its sole discretion and at any time during the processing of EOI, disqualify any Bidder/ OEM from the EOI process if the Bidder/ OEM has	Submitted more than one EOI. This will cause disqualification of all or subsequent to first EOI submitted by such applicants.	Requesting department to make this only a bidder clause and not applicable for OEMs	Please refer to the response for the query at S. No. 305	General	-
369			9.3 Submitted more than one EOI. This will cause disqualification of all or subsequent to first EOI submitted by such applicants.	Existing practices of the organization in AI/ML. This shall mean: a. Availability of R&D section in AI/ML. b. Presence of Centre of Excellence in AI/ML c. Any other setup which establishes maturity of the firm in AI/ML	Requesting department to allow this to be a bidder requirement	Please refer to the response for the query at S. No. 315	Evaluation	-
370				Extra Query	Kindly confirm if the hardware infrastructure needs to be in High availability within DC.	As per Eol	General	-
371				ANNEXURE-5a	PROPOSED MANPOWER PROFESSIONALS Please confirm/suggest – Is there any specific skill set/qualification/experience required or bidder can proposed as per their own capability.	As per Eol	Annexure	-
372			Consortium		Kindly request you to allow consortium for this opportunity as the scope is niche and so better solution can be proposed.	Please refer to the response for the query at S. No. 05 and 41	ELIGIBILITY CRITERIA	-
373				General Query	What is th estimated budgeget of the project ?	As per Eol	General	-
374				Extra Query	Kindly confirm if the hardware infrastructure needs to be in High availability within DC.	Please refer to the response for the query at S. No. 370	General	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
375				Extra Query	Kindly confirm if the hardware infrastructure needs to be in High availability within DC.	Please refer to the response for the query at S. No. 370	General	-
376				General Query	Kindly confirm if the hardware infrastructure needs to be in High availability within DC.	Please refer to the response for the query at S. No. 370	General	-
377			General		<p>Please add the below clause: Intellectual property rights: All intellectual property rights in the software, all tools, processes, software, utilities and methodology including any Agency's proprietary products or components thereof any development carried out by Agency thereto in the course of providing services hereunder, including customisation, enhancement, interface development etc. shall remain the exclusive property of Agency and RISL shall not acquire any right title or interest of any nature therein except to the extent provided herein. Agency shall however grant in favour of RISL the right and non exclusive, non transferable, perpetual and irrevocable license to use the software for the purposes agreed hereunder. The foregoing license does not authorizes RISL to (a) separate Agency pre-existing IP from the deliverable/software in which they are incorporated for creating a stand alone product for marketing to others; (b) independently sell, lease, exchange, mortgage, pledge, license, sub license, assign or in any other way convey, transfer or alienate the Agency pre-existing IP in favour of any person (either for commercial consideration or not (including by way of transmission), and/or (c) except as specifically and to the extent permitted by the Agency in the relevant Statement of Work, reverse compile or in any other way arrive at or attempt to arrive at the source code of the Agency pre-existing IP. All the Intellectual Property Rights (IPR) in the third party software used in providing services including those forming part of or incorporated into the deliverables shall remain with the respective third party owners/ Agency's licensor and RISL shall have user rights in accordance with end user license agreement (EULA) as applicable to use of such software.</p>	As per Eol	General	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
378			General		<p>Please add the below clause: Liability Agency shall be excused and not be liable or responsible for any delay or failure to perform the services or failure of the services or a deliverable under this Agreement, to the extent that such delay or failure has arisen as a result of any delay or failure by the RISL or its employees or agents or third party service providers to perform any of its duties and obligations as set out in this Agreement. In the event that Agency is delayed or prevented from performing its obligations due to such failure or delay on the part of or on behalf of the RISL, then Agency shall be allowed an additional period of time to perform its obligations and unless otherwise agreed the additional period shall be equal to the amount of time for which Agency is delayed or prevented from performing its obligations due to such failure or delay on the part of or on behalf of the RISL. Such failures or delays shall be brought to the notice of the RISL and subject to mutual agreement with the RISL, then Agency shall take such actions as may be necessary to correct or remedy the failures or delays. Agency shall be entitled to invoice the RISL for additional costs incurred in connection with correction or remedy as above at time & material rate card as agreed upon between the parties. Notwithstanding anything to contained in this Agreement or under any other document, neither party shall be liable to the other for any special, indirect, incidental, consequential (including loss of profit or revenue, loss of data), exemplary or punitive damages whether in contract, tort or other theories of law, even if such party has been advised of the possibility of such damages. The total cumulative liability of either party arising from or relating to this Agreement or otherwise shall not exceed the total amount</p>	As per Eol	General	-
379			General		Is there any consideration of Gartner Leader Quadrant report w.r.t BI Tool	As per Eol	ELIGIBILITY CRITERIA	-
380			General		Any evaluation criteria based on self service ,Ease of Use capability, for BI tool	As per Eol	SoW	-
381			General		Is there any near real time reporting/dashboard consideration. If so , what is the volume of data considered to be part of it and the frequency?	Please refer to the response for the query at S. No. 161	SoW	-
382			General Reference	Consortium/JV of Firms	We request you to kindly Consortium/JV comprising of atleast 2 bidders including Lead Bidder.	Please refer to the response for the query at S. No. 05 and 41	ELIGIBILITY CRITERIA	-
383					<ul style="list-style-type: none"> •GENERIC QUERIES •Do you have list of schemes documented across the different departments? •What is the envisaged Data Lake Technology platform? Hadoop environments (HDFS, Hive, etc.) or RDBMS DWH? •Data Lake Infrastructure will be on-premises or have any of the primary cloud service providers that you have an ongoing partnership with (e.g. AWS, Azure, GCP) •Do you prefer software-as-a-Service (SaaS)-based solution or hosted off-premises software deployment? •Are you looking to support hybrid, multicloud and intercloud data integration use cases? •What authentication methods are required for integrating with disparate systems? •Hot DR mean it required to have DC-DR Active-Active mode? •Is proposed Solution high availability required? •How many environments are currently supported in your organization (DEV/SIT/UAT/PROD)? •Are you looking for the Enterprise scale Master Data management solution 	Please refer to the responses from S. No. 406 to S. No. 437	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
384		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Are there any duplicate schemes across the different departments? Do various applications have different definition/description of the same Scheme?	Please refer Final Eol	SoW	There are no duplicate schemes across departments. However, the identification of data duplication needs to be done by the bidder during implementation.
385		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	How much you trust Citizen Data in the Jan Aadhar Application DB?	Please refer Final Eol	SoW	The Jan Aadhar application database has proven to be a reliable system for creating and maintaining citizen repositories, and has been effectively used for benefits disbursement and tracking. However, like any digital system, it is continually evolving to enhance its functionality and security. Trust in the system is high, given its track record, but ongoing improvements are part of its natural progression and this data needs to be further processed to create golden records as part of SMART scope.
386		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Have you conducted any DQ assessment workshops in the Past? If yes, what the outcome? Any challenges or risk highlighted?	Please refer Final Eol	SoW	Data Quality (DQ) is a continuous process that has been instrumental in achieving the current standards of data integrity. It is important to note that ongoing DQ exercises alongwith maintaining data authenticity is required and should be conducted by the bidder as outlined in the scope of the Expression of Interest (EOI). This will ensure sustained improvements and adherence to data quality standards.
387		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	How confident are your business users about the accuracy of current data for their analytic use cases?	Please refer to the response for the query at S. No. 385	SoW	-
388		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	What are the Data quality challenges being faced currently? And, how it is impacting suppling benefits and services to the Citizens?	Please refer Final Eol	SoW	Maintaining accurate and up-to-date citizen data is a complex and demanding task. One of the primary challenges involves keeping key profile details such as marital status, income, and other personal information updated and validated against other data sources (structured & unstructured data) of the state.
389		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	List down the top data quality issues? How much time your Data team/IT spends cleaning and preparing the data?	Please refer Final Eol	SoW	Maintaining accurate and up-to-date citizen data is an intricate and demanding task. Key challenges include updating essential personal details like marital status and income, as well as verifying these against other state data sources, which adds significant complexity. It is crucial to have robust verification processes in place to ensure data integrity and accuracy. Consequently, it is the responsibility of bidders or System Integrators (SIs) to thoroughly evaluate data quality, identify related issues, and devise appropriate solutions to address these challenges effectively.
390		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Are there measures in place to ensure the data quality? How is it managed currently?	Please refer Final Eol	SoW	Each department is responsible for maintaining its own data set, ensuring the quality and correctness of the information. Despite these efforts, it is practically inevitable that some data may still be incorrect or not ready for analytical purposes. Therefore, it is crucial for bidders to thoroughly analyze the existing systems. Based on this analysis, they must develop a comprehensive Data Quality (DQ) framework and strategy to address inaccuracies and prepare the data for effective analytics.
391		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Are you looking for a role-based profiling, dashboards, and Data Quality exception management framework etc.?	Please refer Final Eol	SoW	Bidders are expected to propose solutions that align with industry best practices. These solutions should incorporate best-in-class data governance and security measures. Additionally, they should feature a different dashboards designed for different users to enhance data-driven decision-making. It is essential that these solutions also include standard data quality controls and robust exception management processes to ensure the integrity and usability of the data

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
392		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Are you looking for the capabilities to analyze DQ trends, data quality metrics, automated Notifications when exceed predefined thresholds and create advanced analytic models for data quality?	Please refer Final Eol	SoW	The bidder is required to implement a robust Data Quality (DQ) management practice. Bidder should also propose processes / frameworks for data lifecycle management as per the industry best practices.
393		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Is there a need for verification on phone numbers not only based on the syntax, but also verify whether the phone number is a registered number?	Please refer Final Eol	SoW	The project scope includes strengthening of available data sets by cross validating them from various available sources.
394		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Is there a need for verification on email address not only based on the syntax, but also verify the validity of email domain and whether the user exists in the provided email domain?	Please refer to the response for the query at S. No. 393	SoW	-
395		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	How many Total Number of Citizen records you have in Jan Aadhar Database only? And other respective sources?	Please refer to the response for the query at S. No. 59	SoW	-
396		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	How many business users (data stewards) will be accessing the system?	Please refer to the response for the query at S. No. 59	SoW	-
397		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	What data domains are you interested in managing? (Customer B2B (Ministry Departments), Customer B2C (Citizens), Asset, Location etc.) What are the key attributes w.r.t each Master domain?	Please refer Final Eol	SoW	To facilitate a comprehensive study and provide a holistic view for decision-making, it is essential to capture data from a wide range of sources. Details on data domains may be defined in RFP.
398		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Are you looking for the unified 360-degree view of the CITIZEN MASTER, Govt Departments, Location, Zip code Master, Family/House hold relationships etc.?	Please refer Final Eol	SoW	Please refer clause 4.4.6
399		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	How much total number of Citizen masters do you anticipate Post consolidation of Citizen records across all sources?	Please refer Final Eol	SoW	The bidder is tasked with analyzing the number of entries in the Citizen Master database during the requirement gathering and analysis phase. This effort should be conducted in conjunction with the analysis of the state master database, RajMaster, to ensure a synchronized approach to data integration and usage.
400		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Is there scope of Data profiling to understand data structure, patterns, value Frequency, value distributions, missing values, relationships, understand the data anomalies and more? How many sources in scope for Data profiling?	Please refer to response of query S. No. 392	SoW	-
401		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	The beneficiary eligibility rules are exposed as Webservices/APIs to the other department applications and Jan Aadhaar app?	Please refer Final Eol	SoW	May be provisioned.
402		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	In the to be state the Citizen on-boarding, updates will happen via Centralized citizen master MDM UI or will these changes flow via the on-boarding system e.g., Jan Aadhar?	Please refer Final Eol	SoW	The current citizen-facing applications will remain in use by citizens for their regular interactions. However, the SMART system will fetch data and documents from these existing systems to <u>enhance its functionality</u> .
403		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Is it required to Sync Citizen master ID/Master record with other downstream and upstream applications?	Please refer Final Eol	SoW	Yes, data reconciliation across various systems within the state may be necessary. This process is essential to ensure consistency and accuracy of data shared between different platforms, facilitating a unified view and enhancing the overall integrity of <u>state-managed information systems</u> .
404		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	In the Data access layer the Business rules e.g., beneficiaries eligibility per scheme, auto beneficiaries recommendation per Govt. schemes etc. will be made available as Webservices, APIs for the internal and external applications?	Please refer Final Eol	SoW	Yes, such data can be exposed as webservice and through other means for other departments to use for their own purpose.
405		11	4.4.3 (d) Sub point 2	Creation of Centralized Repository	Is there scope of Data enrichment via APIs/webservices from the 3rd party or other state/Central govt agencies/dept.?	Please refer Final Eol	SoW	Yes, data enrichment needs to be done from API/Webservice from 3rd party/other dept system
406				GENERIC QUERIES	Do you have list of schemes documented across the different departments?	Please refer Final Eol	SoW	Please refer Jansoochna portal of Rajasthan Government to view tentative list of government schemes.

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
407				GENERIC QUERIES	What is the envisaged Data Lake Technology platform? Hadoop environments (HDFS, Hive, etc.) or RDBMS DWH?	Please refer to the response for the query at S. No. 67	SoW	-
408				GENERIC QUERIES	Data Lake Infrastructure will be on-premises or have any of the primary cloud service providers that you have an ongoing partnership with (e.g. AWS, Azure, GCP)	Please refer to the response for the query at S. No. 1	SoW	-
409				GENERIC QUERIES	Do you prefer software-as-a-Service (SaaS)-based solution or hosted off-premises software deployment?	Please refer to the response for the query at S. No. 1	SoW	-
410				GENERIC QUERIES	Are you looking to support hybrid, multicloud and intercloud data integration use cases?	Please refer to the response for the query at S. No. 1	SoW	-
411				GENERIC QUERIES	What authentication methods are required for integrating with disparate systems?	Please refer Final Eol	SoW	Industry-standard security practices should be employed for authentication to ensure the secure integration of discrete systems. In addition, Raj SSO (States own authentication system) to be integrated for authentication across systems.
412				GENERIC QUERIES	Hot DR mean it required to have DC-DR Active-Active mode?	Please refer to the response for the query at S. No. 224	SoW	-
413				GENERIC QUERIES	Is proposed Solution high availability required?	Please refer to the response for the query at S. No. 370	SoW	-
414				GENERIC QUERIES	How many environments are currently supported in your organization (DEV/SIT/UAT/PROD)?	As per Eol	SoW	-
415				GENERIC QUERIES	Are you looking for the Enterprise scale Master Data management solution	As per Eol	General	-
416		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What existing integration solutions are currently in place? How is data mapping and transformation currently handled in the integration process?	Please refer Final Eol	SoW	The current RajSewadwar system, an Enterprise Service Bus (ESB) based solution, is utilized across state applications for integration purposes. This existing infrastructure can continue to be leveraged for efficient data exchange and system integration. Additionally, if required, new components can be introduced on an as-needed basis to enhance its functionality and address evolving integration demands. This approach ensures a scalable and adaptable integration framework that can accommodate future technological advancements or operational needs.
417		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What is the backend Database you have for Jan Aadhar Application? And what type of Data does it has?	Please refer Final Eol	SoW	JanAdhar has RDBMS as backend system and it stores the citizen and scheme related transaction data.
418		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	Currently Is Citizen data being captured and provided by any other sources e.g., Raj Sampark, E-Mitra, Raj Dhara, IHMS, CSV files etc.?	Please refer Final Eol	SoW	While the majority of citizen data is captured through JanAadhar, it is possible that some aspects of a citizen's profile, as recorded in JanAadhar, are also maintained by other departmental systems. This overlap necessitates careful data management to ensure consistency and accuracy across all systems handling citizen information, highlighting the need for robust data integration and synchronization.
419		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	List down the Data sources in scope for the Data Integration? RDBMS, NoSQL databases, Files, Mainframes, Legacy, ERP, message queues etc.	Please refer Final Eol	SoW	The data sources could be both structured and unstructured type which may include RDBMS, NoSQL databases, Files, Legacy and others.
420		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What (semi-structured, unstructured) data types/formats you looking to process in the Data Lake? E.g., file formats (flat files, JSON, XML, txt, csv, AVRO, Parquet, etc.)	Please refer Final Eol	SoW	Data types and formats must be carefully identified and designed in alignment with industry best practices, taking into consideration the specific requirements outlined in the Expression of Interest (EOI).
421		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	Volumetric – What is the total volume of data need to be processed (across all sources)	Please refer to the response for the query at S. No. 59	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
422		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	How much GBs of Data will be processed (Source --> Data Lake) on the daily basis?	Please refer to the response for the query at S. No. 59	SoW	-
423		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What is estimated Avg. number of concurrent ETL Jobs estimated?	Please refer Final Eol	SoW	May not be estimated at this stage.
424		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	Estimated % of Batch load Integration?	Please refer Final Eol	General	Bidder needs to evaluate and identify different type of integrations , modes and frequency at the time of requirement gathering and technical design phase.
425		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	Describe what is meant by Realtime data pipeline to you? And Estimated % Realtime Integration?	Please refer to the response for the query at S. No. 424	SoW	-
426		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What types of source systems and applications need to be integrated through APIs?	Please refer to the response for the query at S. No. 424	SoW	-
427		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What is the requirement for address data/document duplication? Do you mean that current Jan Aadhar application has duplicate addresses for the Citizen records?	Please refer Final Eol	SoW	Data is to be sourced from different sources therefore addressing data / document duplication is required.
428		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What is the real-time data source feed in scope for the Data Lake?	Please refer to the response for the query at S. No. 424	SoW	-
429		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	Do your source databases experience regular schema changes i.e. Schema drift, regular updates, Inserts, deletes?	Please refer Final Eol	SoW	Source Data sources are not in our control but schema changes may happen as per need.
430		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	Does any of the source DB require change-data capture functionality (ability to identify and extract modified data, log-based, snapshot based or trigger-based)?	Please refer to the response for the query at S. No. 424	SoW	-
431		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	The Social Media Data (Facebook, Twitter, etc.), APIs and subscription license will be made available by the RajComp?	Please refer Final Eol	SoW	May be defined in RFP
432		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What type of documents will be processed? Is it PDF documents or scanned images saved as PDF format?	Please refer Final Eol	SoW	Both type of pdf documents may be available.
433		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What is the Object Storage Layer within the Centralized Data Lakehouse?	Please refer Final Eol	SoW	It should be part of proposed solution.
434		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What are the proxy data sets? Citizen eligibility check, enhancement, Validations will be done via Web-Services?	Please refer to the response for the query at S. No. 424	SoW	-
435		15	5.2.1 (d)	Workflow: Explain how the solution integrates with existing architecture, applications, and APIs.	What types of systems and applications need to be integrated through APIs?	Please refer to the response for the query at S. No. 424	SoW	-
436				GENERIC QUERIES	Does proposed Solution should high availability?	Please refer to the response for the query at S. No. 370	SoW	-
437				GENERIC QUERIES	Business continuity - What is the RPO and RTO defined?	Please refer to the response for the query at S. No. 224	SoW	-
438		11	4.4.3 (d) sub point	Data Governance and Security	Do you have metadata documentation in data models, glossaries, ontologies, etc.?	Please refer Final Eol	SoW	The bidder is required to conduct research and present a solution for data models and glossaries.
439		11	4.4.3 (d) sub point	Data Governance and Security	Is there an existing Business Process Management workflow through which changes are suggested, vetted, and approved?	Please refer to the response for the query at S. No. 63	SoW	-

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
440		11	4.4.3 (d) sub point	Data Governance and Security	How is the Business Metadata currently managed? Have you maintained below business metadata? o Existing data dictionaries? o Existing business glossaries? o Existing data models with definitions? o Existing taxonomies? o Existing ontologies? o Have defined system owners, Stake holders, Business owners?	Please refer Final Eol	SoW	The bidder is required to study and provide a solution for Business Metadata.
441		11	4.4.3 (d) sub point	Data Governance and Security	Do you have Existing data dictionaries, business glossaries, taxonomies?	Please refer to the response for the query at S. No. 440	SoW	-
442		11	4.4.3 (d) sub point	Data Governance and Security	Have defined system owners, Stake holders, Business owners?	Please refer to the response for the query at S. No. 440	SoW	-
443		11	4.4.3 (d) sub point	Data Governance and Security	What are Business user challenges to understand lineage, data flow and impact of changes? How does it impact your department/Ministry?	Please refer Final Eol	SoW	The bidder is required to study and provide a solution.
444		11	4.4.3 (d) sub point	Data Governance and Security	How much of understanding or confidence you have in your Citizen data?	Please refer Final Eol	SoW	The bidder is required to study and provide a solution.
445		11	4.4.3 (d) sub point	Data Governance and Security	What is the list of sources in scope for Data Catalog to pull metadata, technical lineage? Also, provide the version number of these sources?	Please refer Final Eol	SoW	The bidder is required to study and provide a solution.
446		11	4.4.3 (d) sub point	Data Governance and Security	Do you have code written in Python, SQL, database scripts and ETL flows in the existing setup?	Please refer Final Eol	SoW	The bidder is required to study and provide a solution.
447		11	4.4.3 (d) sub point	Data Governance and Security	Are you looking for a 360-degree view of data, metadata to gain insight into related datasets, tables, views, data domains and reports?	Please refer Final Eol	SoW	The bidder is required to study and provide a solution.
448		11	4.4.3 (d) sub point	Data Governance and Security	How often you will run the technical metadata scanning on these sources?	Please refer Final Eol	SoW	The bidder is required to study and provide a solution.
449		11	4.4.3 (d) sub point	Data Governance and Security	Has there been an exercise done in identifying critical data elements, Business terms, Definitions for the key data elements the government strategic business priorities?	Please refer Final Eol	SoW	Currently , Jan Aadhar is identified as one of the key data sources. However, other critical source and elements need to be identified by the bidder.
450		11	4.4.3 (d) sub point	Data Governance and Security	What is the catalog run frequency and concurrency in terms of concurrent user operations performed in the catalog, and resource concurrency?	As per Eol	SoW	This may be defined in the design and implementation phase.
451		11	4.4.3 (d) sub point	Data Governance and Security	Is PLSQL/DB scripts in scope for data catalog scanning?	Please refer Final Eol	SoW	The bidder is required to study and provide a solution.
452		11	4.4.3 (d) sub point	Data Governance and Security	Is there a need for the enforcement of policy and governance/compliance rules?	Please refer Final Eol	SoW	Yes, enforcement of policy and governance / compliance rules is required as per the guidelines/regulations of State and Central government alongwith industry best practices.
453		11	4.4.3 (d) sub point	Data Governance and Security	Is there a need for the granular access management and privacy protection based on metadata -driven policies than can be set once and enforced anywhere?	Please refer Final Eol	SoW	The bidder is required to propose solution as per the industry best practices and security policy and guidelines of the state and central government.
454		11	4.4.3 (d) sub point	Data Governance and Security	Are you concerned with protecting data in transit and at rest via encryption - traditional security needs? Or Are, you also interested in building a policy driven approach to controlling access to data at a granular level (row, attribute and cell level) and enforce it anywhere - no matter how that data is accessed by a consumer/user?	Please refer Final Eol	SoW	The bidder is required to propose solution as per the industry best practices and security policy and guidelines of the state and central government.
455		11	4.4.3 (d) sub point	Data Governance and Security	In the Data Access Layer - data masking capability must be able to apply to RDBMS, flat files, with in the Data lake?	Please refer Final Eol	SoW	The bidder is required to propose solution as per the industry best practices and security policy and guidelines of the state and central government.
456		11	4.4.3 (d) sub point	Data Governance and Security	It is expected that Prebuilt and customizable definitions, organizations define data domains and policies to identify and locate sensitive data including PII, PCI, PHI and other confidential information capabilities are available OOTB?	Please refer Final Eol	SoW	The bidder is required to propose solution as per the industry best practices and security policy and guidelines of the state and central government.

S. No.	Eol Chapter No.	Eol Page No.	Eol Clause No.	Eol Clause Details	Query/Clarification/ Suggestion	Response	Category	Remarks
457		11	4.4.3 (d) sub poin	Data Governance and Security	Are you looking for a complete view of activities surrounding sensitive data, including who is accessing it and how it is being used?	Please refer Final Eol	SoW	The bidder is required to propose solution as per the industry best practices and security policy and guidelines of the state and central government.
458		11	4.4.3 (d) sub poin	Data Governance and Security	List down the key PII attributes requires data encryption i.e., protecting data in transit and at rest via encryption?	Please refer Final Eol	SoW	This may be defined in the design and implementation phase.
459		11	4.4.3 (d) sub poin	Data Governance and Security	Is your data trusted and safe to use for DX programs such as marketplace/analytics, cloud migration and customer loyalty programs? What are top known risks?	Please refer Final Eol	SoW	This may be defined in the design and implementation phase.
460		11	4.4.3 (d) sub poin	Data Governance and Security	Do you have or expect to have a need for Real Time/REST APIs for metadata Ingestion and Extraction from the Data Governance Repository to an internal or 3rd Party applications?	Please refer Final Eol	SoW	This may be defined in the design and implementation phase.
461		11	4.4.3 (d) sub poin	Data Governance and Security	Can you accurately follow data through your organization tying stakeholders, policies, processes and provide meaning to your data automatically?	Please refer Final Eol	SoW	The bidder is required to propose solution as per the industry best practices and security policy and guidelines of the state and central government.
462		11	4.4.3 (d) sub poin	Data Governance and Security	How much your Org is concerned with the cost of data delivery throughout the organization? If Data has the PII element, then what is the security risk?	Please refer Final Eol	SoW	The bidder is required to propose solution as per the industry best practices and security policy and guidelines of the state and central government.
463		11	4.4.3 (d) sub poin	Data Governance and Security	Do you have a way for users to request data from your team and can you accurately fulfill every request?	Please refer Final Eol	SoW	The bidder is required to propose solution as per the industry best practices and security policy and guidelines of the state and central government.
464		11	4.4.3 (d) sub poin	Data Governance and Security	Can you ensure that the entire organization has access to the information that they need to be data driven?	Please refer Final Eol	SoW	The bidder is required to propose solution as per the industry best practices and security policy and guidelines of the state and central government.