

Technical Criteria

To qualify technically, a Bid must secure a minimum of 70% of total marks in technical evaluation after summing up. Only those Bids which have a minimum score of 70% of total marks in technical evaluation will be considered for opening of their Commercial Bid. However, JNPA reserves the right to lower the minimum required marks if none of the Bidders achieves 70% of the total marks. Only the Bids qualifying the technical evaluation will be considered for commercial evaluation.

The bidders' technical solutions proposed in the bid document will be evaluated as per the requirements specified in the Bid document and adopting the evaluation criteria spelt out is below.

JNPA reserves the right to evaluate the submitted bid based on the submitted documents only. If any of the submitted document is not legible, then only the same document will be called again. It is therefore advised to the bidders to verify the documents to be submitted along with the bid are as per requirement.

S. No.	Parameter	Criteria	Supporting Documents	Marks
A	Annual Turnover	The Bidder must have an average Annual Turnover for the last 3 financial years (i.e.2021-22, 2022-23, 2023-24).	Copy of audited Balance sheet	20
		> INR 100 Crores		20
		>INR 50 - 100 Crores		15
		INR 30 to 50 Crores		10
B	Project Experience			
B.1	Technology Experience in Mapping using integrated GIS technology	The bidder should have experience of similar works* in India in last 7 years- <i>*Similar Works - Should include Aerial LiDAR survey integrated with Mobile LiDAR and 360-degree panoramic images</i> <i>along with creation of mesh models (LOD 1, 2 & 2.5)</i>	Valid Work Order/PO issued by the client and Completion certificate issued by the client for projects that are completed. In case the contract value	10

		One project with a value more than or equal to INR 50 Crores	is not mentioned in completion certificate, bidder shall submit TDS certificate or a Certificate duly signed by a Certified Chartered Accountant.	
		At least two projects of value of INR 40 Crores		
		At least three projects of value of INR 30 Crores		
B.2	Technology Experience in Advanced Operations Control System	The OEM should have experience of implementing Advanced Operations Control System with the Modules as specified in Section 5.7.7 for any of the ports in India in last 10 years	Valid Work Order/PO/ Completion certificate issued by the client for projects that are completed along with valid Manufacturer Authorization Form as per Annexure-6	10
		No. of similar projects executed - 5 projects		10
		No. of similar projects executed - 3 projects		5
		No. of similar projects executed - 2 projects		3
B.3	Experience of working with Ports/Dockyards	The bidder must have experience of GIS mapping and aerial survey and LiDAR survey for ports/dockyards in last 3 financial years in India with a minimum contract value of INR 50 lakhs	Valid Work Order/PO issued by the client and Completion certificate issued by the client for projects that are completed. In case the contract value is not	20

			mentioned in completion certificate, bidder shall submit TDS certificate, or a Certificate duly signed by a Certified Chartered Accountant.	
C	Key Experts	Qualification and Experience	Complete resumes of the proposed experts	15
C.1	Project Manager (1 in nos)	The bidder must have minimum one Project Manager with more than 8 years of total experience with required qualification of BE/BTech/ B.Sc/M.Sc along with PMP/Prince Certification		4
C.2	Domain Expert (4 in nos)	<p>A) The bidder must have minimum 2 key experts with more than 8 years of total industry experience with the required qualifications of M.Tech/M.Sc/PhD in GIS, Remote Sensing, Geology, Environmental Science, Geography</p> <p>B) The OEM must have minimum 2 key experts with more than 3 years of total industry experience in implementation and management of port systems for installation,</p>		8

		configuration and support with the required qualifications of BE/B.Tech/MCA		
C.3	IT Manager (1 in nos)	The bidder must have minimum one IT manager with more than 8 years of total experience with relevant experience in Application Development with the required qualifications of BSc/MSc/B.Tech/M.Tech in Computer Science or Computer Management		3
D	Bidder's Solution Approach offered in the Technical Proposal	The bidder should provide technical proposal that addresses the following requirements:		25
		The technical proposal must address: -Understanding of the objectives; -Approach & methodology for implementation and delivery of: Digital replica for Port, System & Data Integrations, end-to-end solution for Advanced Port Information System -Solution Design and Architecture -Integration with Third Party systems -Detailed project plan -RACI Matrix		15

		<ul style="list-style-type: none"> - Project Governance framework - Change management strategy 		
		<p>Technical Presentation</p> <ul style="list-style-type: none"> ·Understanding of the objectives ·Governance framework ·Use cases of solution, solution overview ·Use of innovative AI/ML techniques 		10
		Technical Score (TS)		100