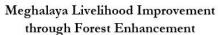
Office of the Project Director Community-based Forest Management and Livelihoods Improvement in Meghalaya

Shalom Building, 2nd Floor, Lower Lachumiere, Shillong—793001







Meghalaya Basin Japan International Cooperation Agency **Development Authority**







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Issued on 11th December 2024

Clarification, Addendum and Corrigendum

Pre-Bid Queries for Procurement of High Resolution Multi-Spectral Satellite Imagery under MegLIFE (RFP No.: PLN/MBDA/02810/2024/NF)

1. Clarification: #1

	Prebid Queries for "Procurement of High Resolution Multi-spectral Satellite Imagery"					
Sr No.	Tender Refer- eence/Section/ Page No	Content of Tender Doc- ument	Queries / Clarification requested	MBDA Response		
1	2.7. Deadline for sub- mission of Bids Page No-5	The Proposal response shall be submitted in hard copy,	Skymap Global (India) Pvt. Ltd Any possibility for online (soft copy) Submission	The proposals should be submitted in Hard Copy only as indicated in the RFP document.		
2	3.1. Pre-Qualification Criteria Sl. No 3- Page No 6	Audited Average Annual Turnover of	Eye in the Sky Technologies LLP Please suggest Satellite Data to supply Govt entity, we have to show our in Annual turnover and request to revise Turnover 2.0 Crore Please suggest.	There is no change in the Financial Turnover		

		the bidder during last three financial years 2021-22, 2022-23 and 2023-24 should be Rs	NeoGeoInfo Technologies Pvt. Ltd, Adepto Geoinformatics Pvt. Ltd We kindly request that the average annual turnover requirement for the bidder during the last three financial years (2021-22, 2022-23, and 2023-24) be changed to Rs. 4 Crore. This adjustment would allow for maximum participation from bidders. Please note that many organizations specializing solely in satellite imagery may not be able to participate if the turnover requirement remains at Rs. 20 Crore.	There is no change in the Financial Turnover
		20 Crore for the last 3 years	We kindly request that the following amendment be made: "Audited Average Annual Turnover of the bidder during the last three financial years (2021-22, 2022-23, and 2023-24) should be Rs. 4 Crore for the last 3 years."	
			Millenium Cyberworks and Co. LLP, Skymap Global (India) Pvt. Ltd We kindly request that the following amendment be made: "Audited Average Annual Turnover of the bidder during the last three financial years (2021-22, 2022-23, and 2023-24) should be Rs. 5 Crore for the last 3 years."	There is no change in the Financial Turnover
			Micronet Solutions Is the minimum audited average annual turnover of Rs. 20 crores over the last three financial years a strict requirement, or can alternative proof of financial stability be submitted?	The CA Audited Financial statements should be provided
3	3.2. Technical Part SI. No 1- Page No-7	Past experience of the organization in supply, instal-	Eye in the Sky Technologies LLP Plesae suggest Satellite Data to supply Govt entity, we have to show our experience and request to revise order Value Minimum 50 Lakh, Please suggest	There is no change in the Financial Turnover

		lation of the Satellite Imagery in the last 5 years (Supply order should be enclosed) •More than 1 Crore = 30 marks •More than 70 Lakhs and less than 1 Crore = 25 marks •More than 50 Lakhs and Less than 70 Lakhs = 15 marks	NeoGeoInfo Technologies Pvt. Ltd, Millenium Cyberworks and Co. LLP, Adepto Geoinformatics Pvt. Ltd We kindly request that Geospatial services based on satellite imagery be allowed, along with the past experience of the organization in the supply and installation of satellite imagery in the last 5 years (supply orders should be enclosed). Please note that the new Space Policy, released in 2022-23, allows private parties to directly take government and private orders in India. Prior to this policy, all orders were processed through NRSC, ISRO, GOI. We kindly request the following change: Under the Technical Part of the Evaluation Parameter, point no. 1 on page 7: Past experience of the organization in the supply, installation of satellite imagery and/or geospatial services based on satellite imagery or related activity in the last 5 years (supply orders should be enclosed). • More than 1 Crore = 30 marks • More than 70 Lakhs and less than 1 Crore = 25 marks • More than 50 Lakhs and less than 70 Lakhs = 15 marks	1. Experience of the organization in the supply, installation of satellite imagery 2. Past experience of the organization in geospatial services based on satellite imagery or related activity in the last 5 years (supply orders should be enclosed).
4	3.2. Technical Part – SI No 3 Financial strength of the bidder – Page No 7	Average turnover of the last 3 FY: • More than 40 Crores = 30 marks • More than 30 Crores and less than 40 Crores = 25 marks • More than 20	NeoGeoInfo Technologies Pvt. Ltd, Adepto Geoinformatics Pvt. Ltd We kindly request you to align the scoring system as per the suggestion/request made under the above Sl. No. 7. As we have requested, the bidder's suggested turnover should be Rs. 4 Crore, so we request that the marking system be changed accordingly. Suggested Marking System: Average turnover of the last 3 financial years: • More than 6 Crores = 30 marks • More than 5 Crores and less than 6 Crores = 25 marks • More than 4 Crores and less than 5 Crores = 15 marks	There is no change in the Financial Turnover

		Crores and less than 30 Crores = 15 marks	Millenium Cyberworks and Co. LLP We kindly request you to align the scoring system as per the suggestion/request made under the above Sl. No. 7. As we have requested, the bidder's suggested turnover should be Rs. 4 Crore, so we request that the marking system be changed accordingly. Suggested Marking System: Based on suggested Turn over and Govt rules.	There is no change on scoring system
			Micronet Solutions Average turnover of the last 3 FY: •More than 20 Crores = 30 marks •More than 15 Crores and less than 20 Crores = 25 marks •More than 10 Crores and less than 15 Crores = 15 marks	There is no change on scoring system
5	4. Technical Specifications. Specifications for High Resolution Multi-Spectral Satellite Imagery-Page No - 8	1. Resolution: Less than 60 cm at Nadir.	NeoGeoInfo Technologies Pvt. Ltd, Adepto Geoinformatics Pvt. Ltd We recommend using imagery with a native resolution of 50cm or better at nadir. This would significantly improve spatial accuracy, making it ideal for projects such as forest management, soil classification, vegetation analysis, and similar applications. We request an amendment to specify: "Resolution: 50 cm or better at nadir."	Thank you for your recommendation to amend the specifications to include a native resolution of 50cm or better at nadir. While we agree that higher resolution can offer added advantages, we believe the 10cm difference between 50cm and the current specification of less than 60cm will not have a significant impact on achieving the project objectives. As stated in the tender, imagery with a resolution of less than 60cm at na-

				dir is acceptable, and data with 50cm resolution will be appreciated if available. However, we will retain the current specification of less than 60cm at nadir for this procurement.
6	4. Technical Specifications. Specifications for High Resolution Multi-Spectral Satellite Imagery-Page No - 8	2. Number of Bands: more than 5 (multi- spectral): i. Visible (Red, Green & Blue) ii. Red Edge iii. NIR iv. PAN v. Imaging Type and Mode: Bundle & Mosaic vi. Orthorec tified & Georeferenced	NeoGeoInfo Technologies Pvt. Ltd, Adepto Geoinformatics Pvt. Ltd We will provide 50cm ortho-rectified (Map Ready 8 Band Bundle) imagery, which has an inherent geometric accuracy of 10.2m CE90. We will perform the following tasks based on the raw imagery supplied by the OEM. For the mosa- ic, we will require an adequate number of Ground Control Points (GCPs) from your end. Kindly confirm the same. 1. Mosaicing of images based on the GCPs provided by your department. We request an amendment to include the Yellow Band, as this band is high- ly beneficial for vegetation and agricultural crop estimations. We kindly ask you to include the Yellow Band in the specifications.	1.If the Meghalaya Basin Development Authority (MBDA) possesses Ground Control Points (GCPs), they can be provided to assist with mosaicking. However, in the absence of GCPs, we recommend vendors utilize alternative approaches to meet the required geometric accuracy. This should be explicitly stated in your technical approach. 2. We recognize the importance of the Yellow Band for vegetation and agricultural crop estimations. However, the current tender specifications were finalized considering the most commonly used bands (e.g., Red,

				NIR, SWIR) for such applications. Including the Yellow Band may add value, but it is not a mandatory requirement at this stage. If available, data with a Yellow Band would be appreciated and considered as an added advantage during evaluation
			Skymap Global (India) Pvt. Ltd Most of the high resolution images do not have Red edge band. To make it more competitive Would it be possible to exclude the red edge band.	No, the Red Edge band is required as it is essential for vegetation analysis and monitoring. Excluding it would limit the ability to perform key analyses, such as crop health and vegetation stress assessments, which are critical for this project.
7	4. Technical Specifications. Specifications for High Resolution Multi-Spectral Satellite Imagery-Page No - 8	3. Image Quality: i. Cloud Cover: 0% (cloud free) ii. Bit Depth: 10 bit or higher	NeoGeoInfo Technologies Pvt. Ltd, Adepto Geoinformatics Pvt. Ltd It is not feasible to obtain cloud-free satellite imagery, particularly in the North-East Region of India, due to the persistent cloud cover throughout the year. The RFP specifies a 70% image availability requirement from the ar- chive. Given this constraint, Maxar provides the best possible coverage, as detailed in the table below. Coverage Statistics in the AOI (Meghalaya):	We acknowledge the challenges posed by persistent cloud cover in the North-East region, particularly Meghalaya. However, we would like to clarify that a maximum of 5% cloud cover is

	Sr. No	From	То	Cloud (%)	Coverage (%)	Permalink	acceptable as per the project requirements. This threshold is essential
	1	1- Jan- 23	13- Nov- 24	10	51	https://discover.maxar.com/95d77780- a1c4-11ef-91a6-9f387a314117	Additionally, fresh task- ing has been allowed in
	2	1- Jan- 23	13- Nov- 24	15	55	https://discover.maxar.com/289b7cc8- a1c6-11ef-ad11-cd4eb77f1927	the RFP, offering flexibil- ity to acquire imagery that meets the specified criteria
	3	1- Jan- 23	13- Nov- 24	20	59	https://discover.maxar.com/4d3db482- a1c6-11ef-90e7-cd4eb77f1927	
	4	1- Jan- 22	13- Nov- 24	10	80	https://discover.maxar.com/71454116- a1c5-11ef-9da7-cd4eb77f1927	

Considering these factors, we suggest adjusting the cloud cover criteria and vintage requirements to better align with the region's unique conditions and available imagery data. We recommend that MBDA opt for Option 4 listed above, which would enable faster delivery of archived images and a quicker turnaround time for the collection of the remaining 20% of the area. We kindly request that you consider using data with a vintage starting from 1st January 2022, with a cloud cover range of 10% to 15%. This would provide maximum imagery from the archive while also being cost effective. Additionally, please note that in a state like Meghalaya, which experiences significant cloud cover throughout most of the year, obtaining imagery with 0% cloud cover is not feasible. We request you to kindly reconsider the cloud cover criteria.	
Micronet Solutions	Yes, imagery with 0–5%
Can imagery with minimal cloud cover 0 to 10% be accepted?	cloud cover is acceptable,
can imager y with minimal cloud cover o to 20% so asseption.	as this aligns with the
	project's requirements.
Dhruva Space Pvt. Ltd	we would like to clarify
Is it possible to increase the CC - Cloud cover percentage by at least 15-20%.	that a maximum of 5%
	cloud cover is acceptable
	as per the project re-
	quirements. Unfortu-
	nately, we cannot exceed
	this threshold due to the
	accuracy and precision
	needed for the project's
	objectives.
	Additionally, fresh task-
	ing has already been al-
	lowed in the RFP, provid-
	ing flexibility to acquire

				imagery that meets the specified criteria
		5. Image Ac-	NeoGeoInfo Technologies Pvt. Ltd, Millenium Cyberworks and Co. LLP,	Regarding the cloud cov-
		quisition Date	Adepto Geoinformatics Pvt. Ltd	er criteria, we would like
		(Archives or	Please refer to our query regarding above line item #3: Image Quality:	to clarify that a maxi-
		Tasking):	i. Cloud Cover: 0% (cloud-free)	mum of 5% cloud cover is
		i. January 2023	We kindly request that you consider using data with a vintage starting from	acceptable as per the
		onwards	1st January 2022, with a cloud cover of 10% to 15%. This would provide	project requirements.
		ii. Tasking for	maximum imagery from the archive and prove to be more cost-effective.	Unfortunately, we can-
		unavailable	Additionally, please note that in a state like Meghalaya, which experiences	not exceed this threshold
		data	frequent cloud cover throughout most of the year, it is not feasible to ob-	due to the accuracy and
		gaps within 6	tain imagery with 0% cloud cover. We request that you kindly reconsider	precision needed for the
		months from	the cloud cover criteria.	project's objectives.
		the		
	4. Technical Specifica-	date of Work		Additionally, fresh task-
	tions. Specifications	Order		ing has already been al-
8	for High Resolution	iii. Mixed of		lowed in the RFP, provid-
	Multi-Spectral Satellite	above (to max-		ing flexibility to acquire
	Imagery-Page No - 8	imized the		imagery that meets the
		availability of		specified criteria
		data)	Micronet Solutions	We would like to clarify
		iv. Archive	The RFP specifies 70% archive data and allows 30% fresh tasking. Can this	that the acceptable
		data minimum	ratio be adjusted based on archive data availability?	greater than or equal to
		70% should not be older	Will MBDA provide priority access to specific regions during the 6-month	50% archived data (from
		than Jan 2023	tasking window, considering weather challenges?	January 2023 to Decem-
				ber 2024) and lesser than
		v. Fresh task- ing will be al-		or equal to 50% fresh
		lowed		tasking (from January
		only if 30% of		2025 to June 2025). This adjustment ensures ade-
		archive data is		
		not available		quate flexibility to bal-
		HOL available		ance data availability

		(Archive data will be taken as priority)	NeoGeoInfo Technologies Pvt. Ltd, Millenium Cyberworks and Co. LLP,	with project requirements. Thank you for your rec-
9	4. Technical Specifications. Specifications for High Resolution Multi-Spectral Satellite Imagery-Page No - 8	6. Ground sampling requirements (GSD): Less than 60 cm at Nadir	Adepto Geoinformatics Pvt. Ltd We recommend using imagery with a native resolution of 50cm or better at nadir, as this will help achieve greater spatial accuracy for projects such as forest management. Kindly amend the specification to a native resolution of 50cm or better at nadir.	ommendation to amend the specifications to include a native resolution of 50cm or better at nadir. While we agree that higher resolution can offer added advantages, we believe the 10cm difference between 50cm and the current specification of less than 60cm will not have a significant impact on achieving the project objectives. As stated in the tender, imagery with a resolution of less than 60cm at nadir is acceptable, and data with 50cm resolution will be appreciated if available. However, we will retain the current specification of less than

				60cm at nadir for this procurement.
10	4. Technical Specifications. Specifications for High Resolution Multi-Spectral Satellite Imagery-Page No - 8	7. ONA of less than 30 de- grees of Nadir	Skymap Global (India) Pvt. Ltd We always recommend an ONA angle of less than 10 degrees to avoid lineation, which can lead to erroneous data. We have data where the ONA angle is less than 10 degrees. Less than 10 degree in city area and 10-15 degree others. Please revised.	We are fine with an ONA of less than 30 degrees as specified in the requirements. However, if you can provide data with an ONA of 10 degrees or less, it would be highly appreciated
			Skymap Global (India) Pvt. Ltd	Regarding the cloud cov-
			Achieving 0% cloud coverage for 70% of the archived data is very challenging	er criteria, we would like
			due to the varying weather conditions in the Northeastern region. There-	to clarify that a maxi-
			fore, we kindly request that the cloud coverage be revised to 10-15%.	mum of 5% cloud cover is
		Archive data		acceptable as per the
		minimum 70%		project requirements.
	4 Tochnical Specifica			Unfortunately, we can-
	4. Technical Specifications. Specifications	older than Jan		not exceed this threshold
11	for High Resolution	2023 and Im-		due to the accuracy and
11	Multi-Spectral Satellite	age Quality:		precision needed for the
	Imagery-Page No - 8	Cloud Cover:		project's objectives.
	inagery rage No o	0% (cloud		
		free)		Additionally, fresh task-
				ing has already been al-
				lowed in the RFP, provid-
				ing flexibility to acquire
				imagery that meets the
				specified criteria

		Τ		
			NeoGeoInfo Technologies Pvt. Ltd	We would like to clarify
			Please refer to our query regarding above line item #3: Image Quality:	that the acceptable
			i. Cloud Cover: 0% (cloud-free)	greater than or equal to
			Please note that the RFP specifies a collection time of 6 months. However,	50% archived data (from
			based on the options selected in the suggested table, we will need to assess	January 2023 to Decem-
			the feasibility of collecting imagery for areas that are not available in the	ber 2024) and lesser than
			archive. Once this assessment is complete, we will be able to suggest an	or equal to 50% fresh
			appropriate timeline. Therefore, we are unable to commit to the tasking	tasking (from January
			timelines until the archive option is selected.	2025 to June 2025). This
				adjustment ensures ade-
				quate flexibility to bal-
		9. Coverage		ance data availability
		should be		with project require-
		100% and less		ments. Additionally, we
	4. Technical Specifica-	than 30% will		will proceed with the 6-
	tions. Specifications	be allowed for		month timeline as per
12	for High Resolution	re-tasking if		the project require-
	Multi-Spectral Satellite	more than		ments, ensuring the task-
	Imagery-Page No - 9	70% of Ar-		ing and delivery align
		chive data is		with the project's objec-
		available		tives and deadlines.
		available	Adepto Geoinformatics Pvt. Ltd	We would like to clarify
			We are unable to commit to tasking timelines until the archive option is se-	that the acceptable
			lected.	greater than or equal to
			Kindly allow flexibility in tasking timelines based on archive options select-	50% archived data (from
			ed.	January 2023 to Decem-
				ber 2024) and lesser than
				or equal to 50% fresh
				tasking (from January
				2025 to June 2025). This
				adjustment ensures ade-
				quate flexibility to bal-
				ance data availability

	T	1		•
				with project require-
				ments. Additionally, we
				will proceed with the 6-
				month timeline as per
				the project require-
				ments, ensuring the task-
				ing and delivery align
				with the project's objec-
				tives and deadlines.
			Micronet Solutions	1. Software/Platform
			What are the specific expectations from the bidder under "Maintenance	Support
			and Technical Support"?	Platform Maintenance:
				Ensuring smooth opera-
				tion of any web-based
				platforms or software
				provided for accessing
				the imagery.
				2. Imagery Access and
	4. Technical Specifica-			Delivery Support
	tions. Specifications	11. Mainte-		 Access: Ensuring im-
13	for High Resolution	nance and		mediate delivery of satel-
13	Multi-Spectral Satellite	Technical Sup-		lite imagery after acquisi-
	Imagery-Page No - 9	port		tion.
	inagery rage No 3			Data Formats: Provid-
				ing imagery in the re-
				quired formats and reso-
				lutions.
				Data Archiving: Secure
				storage and retrieval op-
				tions of imagery.
				3. Data Quality and In-
				tegrity
				• Error Correction: Ad-

				dressing any errors in the imagery, such as geometric distortions or cloud cover issues. • Quality Assurance: Ensuring the imagery meets predefined quality standards (spatial, spectral, temporal, radiometric). 4. Technical Assistance
				and Troubleshooting • Help Desk/Support Services: Providing a dedicated help desk for resolving technical issues.
		The EMD amount is INR 10,00,000 through DD/BG in fa- vour of	Eye in the Sky Technologies LLP Please clarify whether the Start-up companies exempted from EMD	EMD will be exempted for MSMEs, but a certificate needs to be provided. However, the Performance Security will not be exempted
14	5.9. Bid Security (Earnest Money Deposit) Page No- 11	t) unsuccessful bidder will be returned within 30 days	NeoGeoInfo Technologies Pvt. Ltd As a registered Micro, Small, and Medium Enterprise (MSME) under the relevant provisions, we are keen to express our request for exemption from the requirement of submitting an EMD amounting to INR 10,00,000 Request you to kindly accept our request for EMD exemption against submission of valid certificate	EMD will be exempted for MSMEs, but a certificate needs to be provided. However, the Performance Security will not be exempted
		from the issu- ance of work order to the successful bidder. How-	Skymap Global (India) Pvt. Ltd, Micronet Solutions We are a MSME company .ls there any Relaxation for MSME	EMD will be exempted for MSMEs, but a certificate needs to be provided. However, the Performance Security will

		ever, the EMD of the success- ful bidder will		not be exempted
		be adjusted against the performance security	Dhruva Space Pvt. Ltd MSE exemption applicable for EMD?	EMD will be exempted for MSMEs, but a certificate needs to be provided. However, the Performance Security will not be exempted
15	6.4 Payment Terms Page-14		Micronet Solutions Request for 70 % Payment after delivery of Archive Data and 30 % Payment after delivery of Fresh Data	There is no change in the Payment terms
16	Area of Interest (AOI)		Dhruva Space Pvt. Ltd In order to assess the relevant archive data and prepare for the upcoming pre-bid event, we kindly request you to share the Area of Interest (AOI) file for Meghalaya, which is approximately 22,429 sq km. We would appreciate it if you could provide the AOI file in either KML or SHP format.	Can be shared

2. Addendum: #1

Sl.No	Original Clause	Amended Clause	
1	You are requested to provide your sealed quote latest by 1600 hours on 13 th December, 2024 Quotations that have been submitted on or before time will be opened at 1630 hours on 13 th December, 2024. Late quotes will be rejected.	You are requested to provide your sealed quote latest by 1600 hours on 17 th December, 2024. Quotations that have been submitted on or before time will be opened at 1630 hours on 17 th December, 2024. Late quotes will be rejected.	
	Address: MegARISE, RDL Building, Springside, Lumsohphoh Nongthymmai- 793014.		

3. Addendum: #2

Sl.No	Original Clause	Amended Clause
1	5. Image Acquisition Date (Archives or Tasking): (Page No 8)	5. Image Acquisition Date (Archives or Tasking): (Page No 8)
	 i. January 2023 onwards ii. Tasking for unavailable data-gaps within 6 months from the date of Work Order iii. Mixed of above (to maximized the availability of data) iv. Archive data minimum 70% should not be older than Jan 2023 v. Fresh tasking will be allowed only if 30% of archive data is not available (Archive data will be taken as priority) 	 i. January 2023 onwards ii. Tasking for unavailable data-gaps within 6 months from the date of Work Order iii. Mixed of above (to maximized the availability of data) iv. Archive data minimum 70% should not be older than Jan 2023 v. Fresh tasking will be allowed only if 30% of archive data is not available (Archive data will be taken as priority) vi. Archive data should be delivered within 30 days

4. Corrigendum: #1

Sl.NO	RFQ Reference	Original Clause	Amended Clause
1	Page 8-9 Section 4 Technical Specification- Specifications Ofor High Resolution Multi- Spectral Satellite	3. Image Quality: i. Cloud Cover: 0% (cloud free)	3. Image Quality: i. Cloud Cover: 0 -5%

5. Image Acquisition Date (Archives or Tasking): i. January 2023 onwards iv. Archive data minimum 70% should not be older than Jan 2023 v. Fresh tasking will be allowed only if 30% of archive data is not available (Archive data will be taken as priority)	5. Image Acquisition Date (Archives or Tasking): i. January 2023 to December 2024 from the date of Work Order iv. Archive data minimum 50% should not be older than Jan 2023 v. Fresh tasking will be allowed only if 50% of ar- chive data is not available (Archive data will be taken as priority)
9. Coverage should be 100% and less than 30% will be allowed for re-tasking if more than 70% of Archive data is available	9. Coverage should be 100% with minimum 50% Archived data (Jan 2023 to Dec 2024) and maximum 50% fresh tasking (Jan 2025 to June 2025)

Sd/-

(Shri Gunanka DB, IFS) Assistant Project Director, MegLIFE Meghalaya Basin Development Authority