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No. 1660/40-O

Dated 31-08-2020

CORRIGENDUM 4

SUBJECT: Hiring of Drone Services for Large Scale Mapping- amendments in the Tender-Reg.

All the intending bidders are hereby requested to note the **amendments in the tender SOI-1407/40-O dated 27/07/2020** as per given below...

Sl No.	Page No. in the tender doc.	Tender Clause No.	Clause description	Point of Clarification	Clarification issued by SOI
1	4	4	Bidders shall Bid for the total quantity (5 nos.) mentioned above. Bid for part of total quantity shall not be accepted.	The price schedule given on page 43 under Section X and the Excel BOQ mentions "per successful flying week per drone". Schedule or Excel BOQ to be modified to reflect the total amount for 5 teams per week.	As per tender document
2	43	Sect X	Quoted Currency in INR (per successful flying week per drone)	Please mention the average number of working days to be considered in one week.	As per tender document
3	12	11.1 A xiii	Scanned Copy of Certificate of Registration issued by Department of MSME/DIPP for Bidders	Request you to exempt the Bid Security / EMD for the agencies having MSME UAM registration number.	As per tender document
4	12	11.1 A iii	Power of Attorney (PoA) of signatory of Bid. Authority of person signing the PoA should also be enclosed.	Please clarify, if the bid is digitally signed by the partner, PoA will not be required.	PoA will be required or registered certificate of the firm showing the name of partners.
5	12	11.1 A xiii	Scanned Copy of Affidavit as per format given at Section XVIII, as applicable, for bidders claiming Domestic Preference as per Clause 38/Section II (GIB)	Please provide the required format for affidavit and clarify which bidder should submit the same.	Refer section (XVIII).
6	12	11.1 A xi	Demand Draft of Rs 500/- (Rupees five hundred only) towards cost of tender document.	Can this amount be paid online, in order to restrict movement in this Covid19 pandemic situation?	Tender fee is not required
7	14	B (i)	The average annual financial turnover of 'The bidder' during the last three years, ending on 31st March 2020, should be at least Rs. 2 million or more.	We suggest the average annual turnover of 'The bidder' during last 3 years to be made at least Rs. 2 Crores, in order to ensure the financial soundness & capability of the bidder.	As per tender

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9	28	21.1.3	The payment shall be made on monthly basis for successful flying weeks/flying days or both as certified by the service consumer.	If we are quoting rates on per week basis, please clarify what will be considered as successful flying weeks / flying days. Will the travelling time to the site & back be considered under successful flying days? Are the services required continuously for 1 year? What about the flying not feasible due to rains ?	As per tender document
10	27	8.5	If the results of Inspection & Testing are found satisfactory as stipulated in bid document has also been carried out satisfactorily, 'Acceptance Certificate by Purchaser's representative' shall be issued by the Purchase / Purchaser's Inspector at the consignee site.	Since the process of validation of the accuracy of data captured using various Drones / UAV from many vendors / drones in pieces & parcels is a challenging process, we suggest the client to use independent and proven more accurate technology of '3D Mobile LiDAR Survey' along the existing roads. This will enable the client to easily identify if the UAV / Drone data captured during every flight is meeting the specified accuracy in X, Y & Z and if the captured data is to be accepted or rejected.	Not Considered
11	37	1	Local Transportation arrangements of the drone team from nearest town will be provided by Sol. However, the accommodation has to be managed by the Service provider.	Please clarify where should our teams report every time. What is meant by local transport from nearest town? What if the accommodation is not available in the small villages? Are we supposed to consider cost of transport vehicle for our team ?	Team may stay at Taluka and local transport to the flying site will be provided by SOI.
12	37	6	The bidder will ensure that complete data (Raw, Geotagged, GPS observed, logs etc) is handed over to the Sol representative and do copy in any form & in any media for any other purpose without explicit approval/consent of the Service consumer will be kept by Service provider after completion of drone data capturing & pre-QC and final acceptance of the data by Service consumer	Does this imply that one copy of the data is to be kept by the drone flying agency as backup till the final acceptance of the data by service Consumer is obtained ?	No copy of data to be retained by service provider. SOI personnel will ensure.
13	35	7	Minimum 1 sq km with < 5cm GSD	Are there any limitations to the number of flights per day, or number of flying hours per day, since 1 Sq. Km. generally cannot be covered in single flight at 120m AGL with 5 cm GSD, using the specified VTOL UAV / Drone.	As per tender document

Sl No.	Page No. in the tender doc.	Tender Clause No.	Clause description	Point of Clarification	Clarification issued by SOI
14	14	SECTION II 17 A (ii)	The RPAS/Drone operator should be trained and experienced to fly drone in Large scale mapping projects. An undertaking in the regard needs to be submitted to comply to training & licensing requirements of DGCA, as and when implemented. Documentary details are to be submitted in support.	As per Qualificaon Criteria menoned at Para No 17A(ii), The Drone operator should be experienced to fly drone in Large Scale Mapping Project and documentary details are required towards the same. As far as we know, Large Scale Mapping can only be undertaken by Sol directly or any other Govt agency tasked by Sol such as NRSA, IIRS etc. Towards this, may we know who is the cerfyng agency for RPA Pilots? Who are the people who owns the experience of flying drones for Large Scale Mapping or the Pilots can only be those who had flown earlier for Sol?	As per tender document. Please refer DGCA guidelines.
15	38	SECTION VII A (18)	The Professional Survey Grade unmanned Aerial Vehicle /Drone shall have all necessary permits and should be registered with DGCA as per (or conform to) the latest DGCA guidelines i.e. DGCA F. No. 05-13/2014-AED Vol. IV dated 27 august 2018 or any other latest guidelines as and when issued by DGCA in future.	As the drone asked are DGCA registered Drones with all necessary permits. May we know, is the registration required as Service Provider for providing Imagery and Surveying Services? Also elaborate on necessary permits as asked under Section-VII, para related to DGCA giving details of permit required.	DAN and OAN required
16	22	--	36. Comparison of Bids 36.1. Bids shall be compared on the basis of Prices quoted in BoQ with GST, for determining L1 bidder	Suppose if any bidder owning only 5 drones and he is bidding in more states showcasing the same 5 drones in all the bids. What if that bidder is L1 in more than one state, but owning only 5 drones with the company? In such case, how will Survey of India evaluate the bids and award the project to that bidder? Because even if the bidder is awarded project in more than one state, he will not able to execute the project with only 5 drones. If will affect the entire bidding activity. Please give clarification on this point.	If the firm is unable to provide the service of 5 drones,L2 will be given the Chance. The firm will be black listed and further will not be allowed for Bidding process in SOI.
17	--	--	Consortium/Joint Venture	We request you to clarify whether Consortium/Joint Venture is allowed in this tender. If Yes how many no of companies can form a partnership. Kindly Confirm?	As per tender document. JV/consortium may not be allowed. Tender is only for 05 drones

SI No.	Page No. in the tender doc.	Tender Clause No.	Clause description	Point of Clarification	Clarification issued by SOI
18	14	SECTION II	--	Section VII of the Tender document specifies the Technical Specifications and General Points of the desired UAV planned to be employed for the Project and vide para 18 of the General Instructions Section II of the Tender document, the bidders have been requested to give compliance on technical specifications as given in the Section VII.	No comments.
19	36	SECTION VII 1,3	--	It is observed from Section VII serial 1 & 3, that the UAV being offered by the bidders for the Project is required to have VTOL (Vertical Take Off and Landing) facility. Whilst we understand the requirement of VTOL in accordance with the tender specifications, it is kindly submitted that UAV's operated by our company are Fixed Wing without VTOL and have performance which are the best in the country.	Non-VTOL Drones may be allowed
20	--	GENERAL	--	Our Company is of the opinion that the SOI (End Customer) should not be concerned whether the UAV is VTOL/ Non VTOL as the UAV being hired is along with the Operator/ Pilot required to be provided by the bidder (Service provider) and hence the safety of the UAV in flight including that of Take Off and Landing will be that of the bidder (Service Provider) and not SOI (End Customer) and hence there is no reason as to why the Non VTOL UAV's should not be considered for this project if they have a better performance than VTOL UAV's.	Non-VTOL Drones may be allowed
21	--	GENERAL	--	Our company is of the opinion that the SOI (End Customer) should be concerned with the end output which totally depends on the number of hours flown per day per UAV basis irrespective of the make and type of the UAV. Here we would like to submit that our UAV is capable of covering minimum 30 Sq kms per day per UAV depending on weather conditions which we very confidently confirm no UAV can provide such type of coverage in INDIA.	Not Considered

Sl No.	Page No. in the tender doc.	Tender Clause No.	Clause description	Point of Clarification	Clarification issued by SOI
22	--	GENERAL	--	One such UAV System with all accessories which can provide daily coverage of at least 30 Sq kms per UAV/ per day basis, which our company operates regularly and has been quoted by our Company (the bidder) is ready for demonstration at the beck and call of The Director, Survey of India, GD&D,GDC, Sir Creek Bhavan, Gandhinagar Pin -382010	Not Considered
23	--	GENERAL	--	In view of the submissions made in para 3,4& 5 above, it is kindly requested that Non VTOL Fixed wing UAV's should also be considered for the project and called for Technical Evaluation to assess their output and performance to ensure Natural Justice along with fair and equal opportunities is provided to all bidders.	Non-VTOL Drones may be allowed
24	--	GENERAL	--	It is submitted that the required RPAS/ UAV will be presented and flying demonstration carried out at Gandhinagar between 31 Aug 20 to 02 Sep 20 as mentioned in the para 33.3 of Tender document. In view of these submissions we request you to kindly consider and grant our company an opportunity to demonstrate this capability.	Not Considered

(YOGACHANDAR P.A.)
DSS
CHAIRMAN