MINUTES OF PRE-BID MEETING HELD IN CONNECTION WITH EXPRESSION OF INTEREST (EOI) FOR LAND MANAGEMENT INFORMATION SYSTEM (LMIS) FOR KOLKATA PORT TRUST AT MUMBAI IN IPRCL OFFICE ON 26.12.2017 AT 15.00 HRS.

Representatives of IPRCL, Kolkata Port Trust and prospective bidders attended the meeting.

The Bidders were asked to submit their queries item-wise in writing. Item-wise discussion was held on the queries raised by bidders. The summary of the discussion which took place on the basis of queries raised by the bidder is as follows: -

S.NO	REFERENCE ITEM/CLAUSE/PAGE	PRE-BID QUERIES	IPRCL'S COMMENTS
1	Item no. 3 of page 4	Is it essential that the entire scope be a part of a single assignment (with respect to past experience)?	We may take a call after response of EoI.
2	Item no. 1 (v) of page 3	What would be the selection / evaluation criteria for the bidders?	Minimum rate quoted for techno commercially qualified bidder.
3	Item no. 2 of page 4	The functional requirements are mentioned in EOI, however we suggest that in tender document kindly specify different functionalities which are required in Web GIS application.	Yes. It shall be done in RFP.
4	Item no. 3 (iv) of page 4	Specify the approx. volume of hard copy maps, hard copy documents which needs to be scanned or digitized and attached to land parcel on maps.	Exact figures cannot be quantified but unit rate may be considered for documents approximately of few lakhs
5	Item no.3 (i) b & e of page 5 & 3 (III)	Specify approx. number or in terms of percentage out of total amount of property how many are under litigations & how many have encroachments.	Approximately 20 % of total area.
6	Item no. 3 (v) & (iii) of page 4	Clearly mention Integration touch point like GIS integration with Oracle RDBMS, GIS integration with e-payment gateway. Kindly identify the attributes, fields which will play an important role in the integration.	The integration touch points as referred to at para-4 depends on the attribute (non-spatial) data / information to be provided on the GIS interface after retrieving the same from the base application (i.e., the on-going revamped Estate-BR modules). E-payment gateway

			will be provided under ERP/Revamped Estate module which has to be linked.
7	Item no. 3 of page 5	Kindly mention clearly different assets which you want to capture during survey ex. a. KoPT boundaries, plot boundaries, boundaries of yards, colonies, office complexes, b. Complete area calculations, Plinth areas of all structures, vacant plots, c. Roads, footpaths, railway tracks, Harbor rail track, Culverts, bridges, d. Residential bldgs., office bldgs., Sheds, Warehouses, jetties, port features, e. Outer boundaries of slums, f. Dock areas, gates, various port features, g. Electric poles, substations, feeders, light masts. h. Out falls, all type of drains with manholes, water gullies, invert levels, top levels, i. Eastern free- way and its pillars. j. Gardens, hotels, Toll centres, C.C.TV locations, Outer Boundaries of estate tenancies. k. Product pipe lines, electric and telephone cables. l. Water pipe lines, water meters, water tanks (UG /OH), Fire network, Hydrants, sweet m. water wells, Nallahs etc. n. Outer boundaries of govt. land. o. Private land adjacent to KoPT land etc. p. GPS Location of existing trees (Girth of the trees >300mm)	Yes. It shall be done in RFP.
8	Item no. 1 (iii) of page 3	Kindly mention the area in sq. km, resolution & accuracy of Aerial image as the cost of Aerial image is dependent on these factors,	It is stated that the Total Land area under KDS has the following break-up a) Custom bound area : 421 Acres/ sq.m b) Outstation area other than Budge Budge 895 acres/ sq.m c) Balance area 3227 acres/sq.m d) Comparatively higher resolution images for

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			regular tenancy management/ monitoring for areas covered under sl c) would be required. The system requires to be conceptualised accordingly.
9	Item no. 3 (i) of page 4	Mention at what interval Aerial image needs to be taken ex. every 6months/ 1year	For areas under a) and b) the periodicity will be six months. For c) it would be one month (Refer Item 8 above)
10	Item no. 3/ (i) & (vi) of page 4	Also mention different features which needs to be extracted from Aerial image like land parcel boundaries, building structures, etc.	Building/structure erection/ demolition/removal, land erosion, container/material dumping, organised vehicle parking, tree cutting, planting, road/pathway development, drain/culvert/pipeline construction, road cutting etc.
11	Item no. 3 of page 4	Mention different Analysis which can be done using Aerial imagery like Change detection, Land Use Land Cover (LULC), trends in increase or decrease of certain land use type, detect areas where slums, encroachment have popped up during interval of two Aerial image.	As above in conjunction with reply to query No 8.
12	Item no. 2 of page 4	Mention approx. nos. of users in KoPT dept, bidders, vendors, etc. who would be using Web GIS application.	Near about 2000 approx. authorised / unauthorised tenants, prospective users which cannot be quantified apart from existing users which may be near about 100. However, on an approximation, there may be 500 visitors average per day under normal condition.
13	General	Kindly specify whether Hardware, desktops, Servers are to be procured by bidder or will be provided by KoPT.	Bidder to provide preferably on a turnkey basis.
14	Item no. 1 (ii) of page 3	What will be the mode of survey?	Physical/appropriate method, including finding underground service/ utility, etc.

15	Item no. 3 (iii) of page 4	How are the encroachments identified? Is it through the field survey or whether any data regarding this is available which is to be tagged to the field surveyed data? If data is available, what is the format in which it is available?	Encroachment : Physical Inspection with proper documentation map/photo, etc. Maps available.
16	Item no. 3 (v) of page 5	How is the 3D data going to be captured and How is it required to be handled by the integrated application?	3D data capturing & handling is part of the technicality involved in the process and hence the same may be elaborated by the Consultant/ Solution Provider
17	Item no. 3 (e) of page 5	How are the litigation cases identified?	Cases pending in different courts available in records.
18	Item no. 8 of page 6	How is the bid process management expected to be handled?	Steps of managing bid/tender already given in the EoI
19	Item no. 2 of page 4	What is the scope of the GIS application that is to be built?	A full phased web-enabled geographical information system with seamless map navigation facilities in layered format with satellite image of proper resolution will help online web-based Estate management.

(Anup Sharma)
Sr.Manager/Projects

Dated: 11.1.2018