



Government of Odisha
Housing & Urban Development Department

3rd Floor, Kharavel Bhavan, Unit-V, Bhubaneswar-751001

File No.: HUD-SANT- SCH-0013-2021 Letter No.: 9438 /HUD. Date: 27-05-2022

From

Ashok Kumar Sarangi
Joint Secretary to Government &
Joint Mission Director, SBM (Urban)

To

The Project Director
State Urban Development Agency

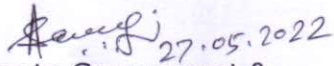
Sub: Response to Queries of RfP for conducting geotechnical investigations and drone survey in Legacy Waste Dumpsites in PACKAGE I (CUTTACK, BERHAMPUR AND PURI) AND PACKAGE II (SAMBALPUR, BHADRAK AND BALASORE).

Sir,

I am directed to submit herewith responses to queries received on the RfP floated for selection of agencies for conducting geotechnical investigations and drone survey in Legacy Waste Dumpsites in PACKAGE I (CUTTACK, BERHAMPUR AND PURI) AND PACKAGE II (SAMBALPUR, BHADRAK AND BALASORE).

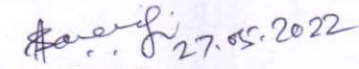
You are requested to take necessary steps for webhosting the responses in the website where the RfP was published.

Yours faithfully,


Joint Secretary to Government &
Joint Mission Director, SBM (Urban)

Memo No. 9439 Date 27-05-2022

Copy forwarded to Sri Sandipan Sarangi, TSU, Wealth Centre for information and necessary action.


Joint Secretary to Govt. &
Joint Mission Director, SBM (Urban)

CLARIFICATIONS FOR THE PRE-BID QUERIES AND AMENDMENTS To RFP

RFP FOR SELECTION OF AGENCIES FOR CONDUCTING GEOTECHNICAL INVESTIGATIONS AND DRONE SURVEY FOR QUANTITY ESTIMATION OF LEGACY WASTE DUMPSITES IN PACKAGE I (CUTTACK, BERHAMPUR AND PURI) AND PACKAGE II (SAMBALPUR, BHADRAK AND BALASORE), ODISHA

SI No	Clause	As per RFP	Comments/ Observation by Bidders	Response (with clarifications and amendments)
1	Page No 18/ 3.2 (d & e) Scope of work	<p>d. An initial baseline study of surface and subsurface soils and waters and leachate present, to check for heavy metals and toxics if any. The air sampling also be conducted as the part of the baseline study, samples should be drawn by an NABL or MOEF certified lab.</p> <p>e. The rainfall data, soil type, surface hydrology, topography of the dumpsite area, wind direction should also be studied.</p>	What should be the depth of the borehole. Please mention the exact depth. We recommend 15 meters.	<p>Clause 3.2 (d, e & h) in Scope of Work is removed. The above clauses are pertaining to baseline study of the legacy waste dumpsite.</p> <p>Now the scope of the RFP is only limited to clause 3.2 (a, b, c, f and g)</p>
2	Page No 18/ (b) Scope of work	b. A geotechnical study should be carried out to find the depth of the legacy waste dumpsite below the ground level.	How many boreholes should there be in every acre of land? We would recommend 5 boreholes per acre.	<p>The number of boreholes should be 5 in number and the depth of the borehole will be 1 meter below depth of the legacy waste</p> <p>The boreholes should be taken in such a way that it will give a clear indication of depth of legacy waste below ground level.</p> <p>Preferably 4 boreholes near the corners/ perimeter, and one at the centre of the dumpsite.</p>
3	Page No 18/3.2 (d) Scope of	d. An initial baseline study of surface and subsurface soils and	If the depth of the borehole is specified as mentioned in (a) above, there will be no	Clause 3.2 (d) is removed

SI No	Clause	As per RFP	Comments/ Observation by Bidders	Response (with clarifications and amendments)																												
	work	waters and leachate present, to check for heavy metals and toxics if any. The air sampling also be conducted as the part of the baseline study, samples should be drawn by an NABL or MOEF certified lab.	requirement to go further for either soil / water etc.																													
4	Page No 18/3.2 (a) Scope of work	a. Drone survey to be conducted to determine the area and height of the legacy waste dumpsite above the ground level.	Please mention the perimeter of the landfill that will need to be surveyed. CPCB guidelines have suggestions, but please mention the perimeter that the department would require.	Respective ULBs will earmark the boundaries of legacy waste dumpsites after the issuing the work order. Refer Q6 for approximate area of all the dumpsites.																												
5	Page No 18/3.2 (a) Scope of work	a. Drone survey to be conducted to determine the area and height of the legacy waste dumpsite above the ground level.	Please mention the BOQ per site and the geosites of the landfill	The bidder has to prepare BOQ based on the scope of RFP. Refer Q6 for geolocations of package I and II legacy waste dumpsites																												
6	Page No 18/3.2 (a) Scope of work	a. Drone survey to be conducted to determine the area and height of the legacy waste dumpsite above the ground level.	Is there any tentative volume of the waste at each site? Is there any tentative size for each landfill?	<table border="1"> <thead> <tr> <th>SI No</th> <th>Name of the ULB</th> <th>Geo- Coordinates</th> <th>Approximate area (acres)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Puri</td> <td>19.796097, 85.810978</td> <td>5</td> </tr> <tr> <td>2</td> <td>Sambalpur</td> <td>21.458107°, 83.922069°</td> <td>6</td> </tr> <tr> <td>3</td> <td>Bhadrak</td> <td>21.102747, 86.529587</td> <td>19.54</td> </tr> <tr> <td>4</td> <td>Berhampur</td> <td>19.322455°, 84.754212°</td> <td>20.31</td> </tr> <tr> <td>5</td> <td>Balasore</td> <td>21.500723, 86.94076</td> <td>5</td> </tr> <tr> <td>6</td> <td>Cuttack</td> <td>20.414444, 85.776667</td> <td>27</td> </tr> </tbody> </table>	SI No	Name of the ULB	Geo- Coordinates	Approximate area (acres)	1	Puri	19.796097, 85.810978	5	2	Sambalpur	21.458107°, 83.922069°	6	3	Bhadrak	21.102747, 86.529587	19.54	4	Berhampur	19.322455°, 84.754212°	20.31	5	Balasore	21.500723, 86.94076	5	6	Cuttack	20.414444, 85.776667	27
SI No	Name of the ULB	Geo- Coordinates	Approximate area (acres)																													
1	Puri	19.796097, 85.810978	5																													
2	Sambalpur	21.458107°, 83.922069°	6																													
3	Bhadrak	21.102747, 86.529587	19.54																													
4	Berhampur	19.322455°, 84.754212°	20.31																													
5	Balasore	21.500723, 86.94076	5																													
6	Cuttack	20.414444, 85.776667	27																													
7	Page No 19/3.2 (d, e) Scope of work		CPCB guidelines have a vast array of tests mentioned. Please provide the exact tests that would be required by the department.	Refer Q1																												
8	Page No 18/		No. of boreholes per unit	Refer Q2																												

SI No	Clause	As per RFP	Comments/ Observation by Bidders	Response (with clarifications and amendments)
	3.2 (b) Scope of work		area (e.g., 5 boreholes/acre)	
9	Page No 18/ 3.2 (b) Scope of work		Average depth of investigation (e.g., 15m) (This can be assessed based on historical footfalls of the land where waste has been deposited)	Refer Q2
10	Page No 18/ 3.2 (b) Scope of work		Termination criteria for the borehole (e.g., 3m in virgin soil)	Refer Q2
11	Page No 18/ 3.2 (d) Scope of work		Sampling intervals (e.g., 1.5m interval)	Refer Q1
12	Page No 19/3.2 (f & g) Scope of work	f. The composition of legacy waste should be done using Quartering and Coning Sampling Procedure mentioned in Municipal solid waste management manual, 2016. g. Physical Characteristics of Municipal Waste such as Density of Waste, moisture content should be finding out as per Municipal solid waste management manual, 2016.	Testing required to be done on Samples collected (a list of mandatory tests and a few optional tests)	As per Manual on Municipal Solid Waste Management, 2016 quartering and coning method to be used (2 samples per dumpsite) for determining the physical composition and find out the physical characteristics (density and moisture content) of municipal waste.
13	Page No 18/ 3.2 (d) Scope of work	b. A geotechnical study should be carried out to find the depth of the legacy waste dumpsite below the ground level.	Criteria for the uncertainties like if the virgin soil does not appear within the defined depth (e.g., 15m)	Refer Q2
14	General Question		Criteria for the excess required (unavoidable) work	You have to consider all your expenses while preparing the financial bid

SI No	Clause	As per RFP	Comments/ Observation by Bidders	Response (with clarifications and amendments)
			and its evaluation	
15	General Question		List of desired outcomes (Contents of the investigation report)	<p>Clause 3.2 (d, e & h) in Scope of Work is removed. The above clauses are pertaining to baseline study of the legacy waste dumpsite.</p> <p>The outcome of the report should correspond to the scope of the RFP limited to clause 3.2 (a, b, c, f and g) .</p>
16	General Question		Criteria for uncertainties like if the work stops due to rains, due to delays in approval, delays in payments or any other etc.	After receipt of written request in this regard and due verification extension of timeline may be considered by the concerned authority.
17	General Question		Specifications like type of drilling rigs, procedural conditions on work (e.g., Covid cautions) or other	The bidder to apply own prudence to use the minimum size of bore to ascertain the depth of the legacy waste.
18	3.7 Terms of payment page 20&21	<p>1st payment: After submitting the report containing volume of the legacy waste in the dumpsite with the help of geotechnical investigation and drone survey- 33%</p> <p>2nd payment: After submitting the report consists of waste characterization study, sampling of soil/waste/surface water/groundwater and</p> <p>3rd payment: After submitting the</p>	<p>We request you to consider following payment terms;</p> <p>1st Payment- 70%</p> <p>2nd payment-20%</p> <p>3rd payment- 10%</p>	<p>Clause 3.7 Payment terms can be read as follows ' 1st payment: After submitting the preliminary report containing volume of the legacy waste in the dumpsite with the help of geotechnical investigation and drone survey -33 %</p> <p>2nd Payment- After submitting the physical characteristics of legacy waste and finding out the total weight (volume x Density) of the legacy waste- 33%</p> <p>3rd payment: After submitting the complete investigation report 33%</p>

Sl No	Clause	As per RFP	Comments/ Observation by Bidders	Response (with clarifications and amendments)
		complete investigation report 33%		
19	Clause 3.2; page 19 & 20 Scope of work ,		In order to quantify work; please provide No' s of bore logs to conduct (Nos per acre) Or Grid size with interval, Depth of bore logs, Nos of samples for baseline survey. These are basic information required for each site in order to derive our fees for the given scope.	Refer Q1, Q2
20	Financial proposal, Annexure 10, and 11	Financial Bid Format	In Financial Proposal , please mention each item with unit and quantity	The bidder has to prepare the financial proposal incorporating all his expenses based on the scope of work and the pre bid clarifications
21	Clause 1.4 Page 10	Similar Works means Geotechnical investigations and Drone surveying including the drilling and sampling of the soil and volume estimation of irregular areas. It also includes the sampling of soil/waste/surface water/groundwater and analysis by standard methods of APHA or USEPA in NABL or MoEFCC accredited laboratories.	Looking to the scope of work all activity cover in DPR so Similar work definition should be one completed DPR of Legacy waste Bio-mining for minimum Rs 5 Lakhs consultancy fee.	Clause 1.4 can be read as 'Similar Works means Geotechnical investigations and Drone surveying including the drilling and sampling of the soil and volume estimation of irregular areas '.
22	Clause 3.2 Scope of work	; Most of the dumpsites in Odisha are located above an abandoned mining facility and to determine the exact quantity of waste below ground level	We request you to clarify how many dumpsites under the assignment are under abandoned mines and over natural ground.	There are no dumpsites in package I and 2 over abandoned mines

SI No	Clause	As per RFP	Comments/ Observation by Bidders	Response (with clarifications and amendments)
		requires a geotechnical survey		
23	General Question		Please share your budget for this project.	This will not be shared
24	Clause 3.2 scope of work		We request you to mention Drone Survey or Electronic Total Station Survey for quantification of legacy waste. Drone survey for smaller areas will not be feasible option.	Existing conditions will prevail
25	Clause 1.1 Introduction	The Bidder can quote for both packages but will be awarded maximum one package. There will be single technical bid and two separate financial bids for Package-I and Package-II. Financial bid of Package-I shall be opened first. The financial bid of selected bidder of Package-I shall not be opened for Package-II.	If one consultant is L-1 in both packages, then We request you to allot two packages to one consultant (who is L-1 for both)	Existing conditions will prevail
26	Page No 15/ 2.4 Technical Bid Evaluation (3) Technical Experience	Bidder has successfully completed Geotechnical investigations and Drone surveying including the drilling and sampling of the soil and volume estimation. It also includes the sampling of soil/ waste/surface water/ groundwater and analysis by standard methods of APHA or USEPA tested in NABL		Clause 2.4 (3) Technical experience in RFP can be read as follows Bidder has successfully completed Geotechnical investigations and Drone surveying including the drilling and sampling of the soil and volume estimation of irregular areas. The value of the project should be above 5 Lakhs. 1.For each successful project- 5 marks for each project Maximum mark to be awarded is 30. 2. Additional Projects in legacy waste – 5

SI No	Clause	As per RFP	Comments/ Observation by Bidders	Response (with clarifications and amendments)
		or MoEFCC accredited laboratories. The value of the project should be above 5 Lakhs		<p>marks for each project</p> <p>Maximum mark to be awarded is 10.</p> <p>The maximum mark awarded for the technical experience (1+2) will be 40'.</p>