

No. : WAP/CIC/G'nagar/Survey/2009

Date: 27.05.09

To

Sub: Quotation for Detailed Engineering Survey works of Kharlands.

Sir,

WAPCOS invites quotation from eligible survey parties to carry out Detailed Engineering Survey work of Kharlands.

In this connection, you are kindly requested to quote your rates for survey work latest by 20.06.09 at 18.00 hrs.

The terms and conditions for conducting survey work are mentioned below.

1. Price :

- (a) The quoted rate for survey work will be inclusive of all taxes including service tax.
- (b) The quoted rate will be inclusive of conveyance, stay and other expenditure for conducting the survey work.

2. Scope of Survey work :

- A. The survey work will be carried out by **Total station instrument** and items of survey works are mentioned in **Annexure-I**.
- B. Survey work is to be started from GTS bench mark established by survey of India.
- C. Survey work is to be done with Geo-reference (Northing-Easting).
- D. Marking of temporary bench marks on permanent structures at a interval of 0.5 km as per requirement in contour survey with location sketch.
- E. Contour, creek position, width of creek, vacant extent of Land available for shrimp farming and extent of land allotted for other purpose of each site, to be shown on the maps.
- F. Survey maps prepared by the survey agency should be got certified by the DILR.
- G. The area of survey work of Kharland area will be approximately 2400 Ha in Navasari District. The areas to survey are mentioned in **Annexure-II**.

3. Eligible criteria

- The survey agency has to deploy sufficient nos. of manpower and equipments to survey the area and prepare the maps.
- The survey agency should have sufficient expertise in technical matter like survey and mapping, other related matters.

- The survey agency should have the experience in the field of survey and mapping works for a minimum period of three years.

4. Deliverables:

- a. The survey outputs will be in form of AutoCAD maps.
- b. Contour maps with contour interval of 1.0 mt.
- c. Draft copies are to be submitted for corrections before submission of final output.
- d. After finalisation of draft copies 1 colour hard copy, 1 no. of B/W copy & 1 soft copy in form of CD are to be submitted.
- e. Nothing and Easting survey data to be submitted in soft copy
- f. Location sketch of the T.B.M

5. Payment:

85 % payment shall be made after satisfactory completion of the work and 15 % kept as a security will be refunded after 3 months.

6. Validity:

The quoted rates will be valid for a period of 6 months after the date of award of the work.

7. Survey Period:

The survey work will be carried out within 30 days from the issue of work order.

8. L.D (Liquidated Damages) clause:

In case of late submission, liquidated damages @ 0.1% of the survey charges per day shall be levied.

9. Earnest Money Deposit (EMD)

The survey agency shall pay EMD @ 2% of the total estimated survey cost within a week from issue of work order in Demand draft in favour of WAPCOS LIMITED, Gandhinagar, payable at any Nationalized Bank located in Gandhinagar. The EMD shall be converted into security deposit and will be released on fulfilling contractual obligation satisfactorily for shortlisted agency.

10. In event of any dispute, decision of the Project Manager, Gandhinagar, shall be final and binding.

11. WAPCOS Management will have the right to reject or accept any or all quotations without assigning any reasons.

Thanking you,

Very truly yours,

(S.K. Srivastava)
Project Manager

Encl: (i) Annexure – I
(ii) Annexure-I

Annexure-1

Items of survey work for which rates are required

Sr. No.	Particulars	Unit	Quoted rate in Rs.
1	Contour Survey work of kharlands (having a reduced level at a grid of 50mt x 50mt and contour interval of 1.0mt. if there is variation in ground profile, taking a level at close and having contour, creek position, width of creek, vacant extent of land available for shrimp farming extent of land allotted for other purpose of each site)	Ha.	

Note: Approximate Quantities of work is 2400 ha. in Navsari Districts.

Authorized Signatory

List of location requiring survey

Dist: Navsari

Sr.no	Village	Taluka	Survey no.	Approximate Kharland area in Ha.
1	Onjal	Jalalpur	858	100.00
2	Chichgam	Jalalpur	1264	300.00
3	Matwad	Jalalpur	1289	100.00
4	Sultanpur	Jalalpur	40	200.00
5	Macchad	Jalalpur	590	300.00
6	Bhodhali	Jalalpur	--	100.00
7	Medhar	Gandevi	903	1300.00
Total survey area				2400.00

Note: Quantum of survey work regarding the surveys may vary depending upon the actual site condition in the field. Accordingly, survey charges may also be vary. Final survey charges will be based upon total quantum of survey work carried out.