

**GOVERNMENT OF JHARKHAND  
DEPARTMENT OF MINES AND GEOLOGY  
DIRECTORATE OF GEOLOGY**

**Notice No. 03/2018-19**

**Expression of Interest**

**for**

**Empanelment of Agencies for DGPS/Total Station Survey for  
Demarcation of different Mineral Blocks and Topographical Survey of  
the demarcated blocks in the State of Jharkhand**

**Government of Jharkhand**  
**Department of Mines & Geology**  
**Directorate of Geology**  
**Engineers' Hostel No-2, 2<sup>nd</sup> floor, Dhurwa, Ranchi-834004**

**Notice No. 03/2018- 19**

Directorate of Geology invites sealed application in attached format from organization/ agency/ individuals for Empanelment of Agencies for DGPS/Total Station Survey for Demarcation of different Mineral Blocks and Topographical Survey of the demarcated blocks in the State of Jharkhand.

Last date of submission of EOI is 28.06.2018

Sd/-

(Kumari Anjali)  
Director, Geology

- **Application form and Terms & Conditions are available on our website [www.jharkhand.gov.in](http://www.jharkhand.gov.in) and also at our office notice board.**

## Applicant's Expression of Interest (A-1)

*[On the letterhead of applicant]*

To,

The Director, Geology  
Directorate of Geology  
Department of Mines & Geology  
Govt. of Jharkhand  
Engineers' Hostel No. 1  
2<sup>nd</sup> Floor, Dhurwa  
Ranchi 834004

Sub: DGPS/Total Station Survey for Demarcation of different Mineral Blocks and Topographical Survey of the demarcated blocks in the State of Jharkhand.

Dear Sir,

In response to the Invitation for Expression of Interest (EOI) published on ..... for the above purpose, we would like to express our interest to conduct the above proposed task. As instructed, we attach the required information in the given format with all the requisite documents in a sealed envelope with one soft copy.

Sincerely Yours,

Signature of the applicant

[Full name of applicant']

Stamp.....

Date: XXXXXXXXXX

**Enclosure:-**As above

## **Applicant's Expression of Interest**

*[On the letterhead of applicant]*

To,

The Director, Geology  
Directorate of Geology  
Department of Mines & Geology  
Govt. of Jharkhand  
Engineers' Hostel No. 1  
2<sup>nd</sup> Floor, Dhurwa  
Ranchi 834004

**Sub:** Submission of Expression of Interest for carrying out DGPS/ Total Station Survey for Demarcation of different mineral blocks and Topographical Survey of the respective mineral blocks in the State of Jharkhand

Dear Madam,

In response to the Invitation for Expression of Interest (EOI) published on ..... for the above purpose, we would like to express our interest to conduct the above proposed tasks. As per the EOI, we enclosed herewith the required information in the given format with all the requisite documents in a sealed envelope with one soft copy.

Sincerely Yours,

Signature of the applicant

[Full name of applicant']

Stamp.....

Date: XXXXXXXXXX

**Enclosure:-** As above

## **SECTION - I**

### **Applicant's Profile**

*[On the letterhead of applicant]*

1. Name of the Applicant:
2. Name of Proprietor/Partners/Director:
3. Address of the Firm with e-mail, mobile details:
4. GST Registration details (with certified Copies):
5. Permanent Income Tax Number, (PAN) and Income Tax Circle:
6. Power of Attorney (with certified Copies):
7. Applicant should submit Notarized Certificate that Company/Firm/Individual has not been blacklisted in the past by any organization.
8. Tenderer's Bank: Account, Branch, Address:
9. Address of the Registered Office:
10. CONTACT NO.  
Telephone:  
Mobile:  
Fax:  
Email id:
12. Registration & incorporation particulars of the firm (with certified Copies):

I/ We hereby declare that the information furnished above is true and correct.

Place:

Date:

Signature & seal of the Applicant

**SECTION – II**  
**FINANCIAL STRENGTH OF THE APPLICANT**

*[On the letterhead of applicant]*

**(Detail information of last three financial years i.e. FY 2014-15, FY 2015-16, FY 2016-17)**

<b>Sl. No.</b>	<b>Fin. Yr.</b>	<b>Annual Net Profit (Profit After Tax)</b>	<b>Annual Gross Profit (Profit Before Tax)</b>	<b>Annual Turnover</b>
1	FY 2016-17			
2	FY 2017 -18			
3	FY 2018 -19			

- Please attach Auditor Certified Financial Statement for each financial years (Mandatory).
- Unaudited financial statement certified by the Company auditor for the latest year (FY 2018-19) may be attached (in case the auditor certified statement is not available).
- The applicant must have an average annual turnover of more than Rs. 25 Lakh during last three financial years.

Signature of the Applicant

Full Name of Applicant

Stamp & Date

### SECTION –III

#### **Experience of the Applicant in Topographical Survey and Demarcation work with DGPS and Total Station**

*[On the letterhead of applicant]*

Sl. No.	Name of the Project	Name of the Client	Work order no and date	Brief Details about the Project	Completion Certificate (No and Date)	Duration of Project	Total cost of project (in Rs. Lakhs)	Status of work if not completed

*The above information must be supported by essential documentary evidences including work orders and completion certificates duly certified by the assignee arranged in the same order as listed in table.*

#### **Eligibility Criteria:**

1. The applicant should have successfully completed at least 05 projects of DGPS/ Total Station Survey for demarcation of mineral blocks and topographical survey of the demarcated mineral block in the last 05 years
2. Total cost of the projects/ works completed shall not be less than Rs 25 Lacs in last three years.
3. Performance of the company with the procedure/methodology and technology used for DGPS/ Total Station Survey for Demarcation and Topographical Survey works completed for mineral sectors evaluated by the Departmental Technical Committee at the time of presentation

Signature & seal of the Applicant

## **SECTION – IV**

### **Technical Resource Requirement**

1. Applicant should own at least Ten DGPS and Five Total Station.
2. Applicant should submit list of DGPS and Total Station owned by the Company/Agencies/Individual.
3. Applicant should submit Date of Purchase, make and model of DGPS/ Total Station owned by Company/Agency/Individual.
4. Applicant should have at least 10 Surveyors, 2 Geologists and Supporting Manpower to carry DGPS-Total Station Survey for Demarcation and Topographical survey work.
5. Applicant should submit details of software used by it for DGPS and Total Station Survey and Demarcation.
6. Applicant should submit the CV of all human resources engaged by the Company/Agencies/Individual.
7. The agency should have Remote Sensing Softwares and GIS softwares with printer, scanner and all the other related equipment and software with well- established workshop for map and report preparation. Proof of the document to be submitted along with the list

#### **Supporting Document:**

The above information must be supported by essential documentary evidences.

The tender committee may ask for additional documents

Signature & seal of the Applicant



## **SECTION – V**

### **(A) Scope of Work**

#### **1. Topographic mapping**

- (a) The agency shall be responsible for topographical and geological survey in accordance with Mineral (Evidence of Mineral Contents) Rule, 2015 and Jharkhand Minor Mineral (Evidence of Mineral Contents) Rule, 2018.
- (b) Boundary demarcation of auctionable mineral blocks/ mining leases shall be responsibility of the agency; and the demarcation shall be done as per Mineral (Auction) Rule, 2015 and Jharkhand Minor Mineral (Auction) Rule, 2017.
- (c) Preparation of contour map of desirable contour interval.
- (d) Preparation of Digital Terrain Model (DTM)/Digital Evaluation Model (DEM).

#### **2. Boundary Demarcation**

As per Mineral (Auction) Rule, 2015 and Jharkhand Minor Mineral (Auction) Rule, 2017, boundary demarcation of auctionable mineral block/mining leases shall be the responsibility of the agency.

#### **3. Responsibilities of Empanelled Agencies**

- i. Responsibilities of agencies include acquisition of following documents/maps:
  - a. Certified copies of Khata/Khashra, Cadastral map/Revenue map and Village map.
  - b. GTS Points and RL from Survey of India
  - c. Required Satellite Imageries as per established rule of MoM, GoI.
- ii. The Survey Agency shall be responsible for the accuracy of the data collected during Survey.
- iii. Co-ordinates of the Boundary Pillars shall be established in the world Geodetic System, 1984 (WGS-84) datum unless or otherwise mentioned.
- iv. Reports of this work have to be submitted in hard as well soft copy in desired (GIS/other) format of Directorate of Geology.
- v. The time limit of completion of work will be mentioned in the work order.
- vi. Draft report should be submitted to concerned exploration project head of Directorate of Geology then after the approval of the Draft, final report should be submitted in four copies with all text, maps, all enclosures and calculation sheet to Directorate of Geology duly signed by concerned exploration project head. Payment will be done only after final submission of report.

- vii. The copy right of this report will be solely of Directorate of Geology. No part of the report can be used in any format without proper & prior permission of the Directorate of Geology.
- viii. Agency will have to collect coordinate of boundary/intermediate points. It will be the responsibility of agency to fix RCC Permanent boundary pillars on ground after completion of DGPS-Total Station Survey and Demarcation in following manner:-
- i. Each boundary point survey shall be surveyed using DGPS. The duration of observation shall be at least 2 hour per point for better accuracy.
  - ii. The minimum distance between two successive intermediate points should not be more than 50 meters.
  - iii. The Pillar shall be square pyramid frustum shaped above the surface and cuboid shaped below the surface. Each pillar shall be of Reinforced Cement Concrete (RCC).
  - iv. Dimension of corner pillar -  
Base - 0.30mX0.30m,  
Height - 1.30m of which 0.70m shall be above ground level  
0.60m below the ground
  - v. Dimension of intermediate pillar –  
Base - 0.25mX0.25m  
Height - 1.00m of which 0.70m shall be above the ground level and 0.30m below the ground level
  - vi. All the pillars shall be painted in yellow colour and the top ten centimeters in red colour by enamel paint and shall be grouted with the cement concrete.
  - vii. The tip of all the corner boundary pillars shall be a square of 15 centimeter on which a permanent circle of 10 centimeter diameter shall be drawn by point or engraved and the actual boundary points shall be intersection of two diameters drawn at 90°.
  - viii. Distance and bearing to the forward and backward pillars and latitudes and longitude shall be marked on the pillars.
  - ix. In case of forest area within the lease, the size and construction and colour of the boundary pillars shall be as per the norms specified by the Forest Department in this behalf. The number of boundary pillars in the forest area will be established only after getting permission from Forest Department.

- x. In case of Raiyat Land prior permission of Raiyat will be taken before establishing any pillar in his land.

#### **4. Other Responsibilities of Empanelled Agencies**

- i. The project work will be under the supervision and control of DMG, Jharkhand.
- ii. The selected agency will identify and nominate the representative (s) of their respective organization in carrying out the project successfully who will act as the project Leader from the firm's side.
- iii. The agency shall be responsible for any modification and the related costs if the output product does not (a) comply with the specification as per its proposal or (b) rejected by DMG, Jharkhand. Such modification work shall not exceed three weeks from the date of notification and shall adhere to the time schedule specified in the award or as may be mutually agreed upon. The cost of such modification/modifications will be born by the agency.
- iv. The agency shall not give or sale the output/project information to any other party except than DMG, Jharkhand.
- v. The agency shall make available soft copies of all output/data base to DMG, Jharkhand.
- vi. The agency shall/may be required to do all such things as shall be necessary to supply all the technical data and information and technical assistance in respect of the project before its implementation at the request of DMG, Jharkhand.

#### **5. Proprietary Rights:**

- i. The survey output will be proprietary rights of DMG, Jharkhand.
- ii. The agency will keep the documents which contain or related to the development results for reference until such documents are delivered to DMG, Jharkhand and shall promptly provide DMG, Jharkhand with replacements thereof in case of loss or damage thereto. The agency shall assume liability for damages which are caused by the service/project before the same is handed over to DMG, Jharkhand.
- iii. DMG, Jharkhand represents and warrants that it has sufficient power, right and authority to enter into agreement and undertake the obligations set forth in the agreement.

#### **6. Technology Transfer**

The firm/firms shall transfer the technology from the very beginning of starting of work till completion, if needed.

## SECTION – VII

### General Term & Condition

1. Applicant will be requested to give presentation of their work, procedure and experiences of performing DGPS-Total Station Survey for Demarcation of Mineral Block and Topographical Survey of the respective block before Technical Committee on the date which will be notified by DMG in due course of time.
2. The empanelment will be valid for three years from the date of communication to the successful firms who had deposited the security money as mentioned below:-

#### **Security Deposit:**

- The selected firms will be required to deposit an amount of Rs. 1,00,000/- (Rupees One Lakh only) in the form of Bank Guarantee valid for a period of 3 years issued by any Nationalized/Schedule bank in favour of **Director, Geology, Department of Industry, Mines & Geology, Government of Jharkhand, Ranchi.**
- In case of deviation of agreed terms & conditions by the agency the Bank Guarantee shall be encashed.
- In case the agency wants to withdraw them-selves from the Empanelment list, the security deposit may be refunded to the agency after deducting receivables of DMG, Jharkhand if any.
- Non completion of assigned job/work shall lead to forfeit of security deposit and the same shall be encashed.

Provided that if the situation at the work site is proved to be beyond the control of the agency(force majeure) than the same shall be acceptable by the competent authority and the security deposit shall not be forfeited. The decision of the Secretary, Mines shall be final in this regard.

3. Work shall be distributed to empaneled agency depending upon their capabilities and the requirement of the Department. Allocation of the work will be done through reverse auction process as per the requirement of the Department.
4. For allocation of work, DMG, Jharkhand will conduct reverse auction by inviting empaneled agencies through a Limited Tender. For complex projects, DMG reserves the right to issue a Limited tender for technical screening of agencies before reverse auction or techno-commercial evaluation of the application for allocation of work.
5. Rate of project work will be established by getting financial bid from empanelled agencies. Financial bidding will be done through manual or digital process. Reverse auction may also be implemented. Participation of all empanelled agencies in financial bidding will be

mandatory. Directorate of Geology may offer work to one or multiple agencies on L<sub>1</sub> rate but priority will be given to the agency who have quoted L<sub>1</sub> rate.

6. Directorate of Geology may ask for quotation for a component of work to establish L<sub>1</sub> rate for that component by getting financial offer from the empanelled agencies. After establishing lowest rate (L<sub>1</sub>) for that component, work may be allocated to one or multiple empanelled agencies.
7. DMG, Jharkhand reserves the right to execute the job-work through any other firm/firms of its choice in case of acute emergencies/non-completion of the work by the previous allottee/other reasons etc.
8. The decision of DMG, Jharkhand for empanelment of agencies and allocation of work shall be final.
9. All disputes shall be settled within the territorial Jurisdiction of the Court of Ranchi only.

Signature & seal of the Applicant

## **DECLARATION**

*[On the letterhead of applicant]*

We hereby confirm that we are interested in competing for providing the services of DGPS/Total Station Survey for Demarcation of different Mineral Blocks and Topographical Survey of the demarcated blocks in the State of Jharkhand.

We also undertake that all the information provided herewith is Genuine and Accurate.

Signature of the Applicant

Full Name of Applicant

Stamp & Date

## BANK GUARANTEE FORMAT OF TENDER SECURITY/PERFORMANCE SECURITY

(On Non-Judicial Stamp paper of value not less than INR----- )

.....(Name of the Bank)  
Address  
.....Guarantee No.....  
A/C M/s..... (Name of Bidder)  
Date of Expiry.....  
Limit to liability (currency & amount)  
.....  
Invitation for EOI No.....dated .....

For..... (Name of Facilities)

Subject: Expression of Interest Security Bank Guarantee.

Date.....20

To

Director, Geology  
Directorate of Geology  
Deptt. of Mines & Geology  
2<sup>nd</sup> Floor, Engineer;s Hostel No.-2, Dhurwa,  
Ranchi - 834004  
(Jharkhand), INDIA

Dear Sir,

In consideration of Directorate of Geology, Department of Mines & Geology Government of Jharkhand (hereinafter called "DIMG") which expression shall unless repugnant to the subject of context include his successors and assigns having agreed to exempt M/s----- (hereinafter called " Bidder") from demand under the terms & conditions of "Standard EOI documents" (hereinafter called the said "EOI document") issued by DIMG vide No. \_\_\_\_\_ for the work \_\_\_\_\_ (Name of the facilities) from \_\_\_\_\_ deposit of EOI security for the due fulfillment by the Bidder of the terms and conditions contained in the said EOI document on production of Bank Guarantee for \_\_\_\_\_ INR. \_\_\_\_\_ (INR \_\_\_\_\_ only) (figure in words).

1. We the \_\_\_\_\_ Bank Ltd. (Name of Bank) hereinafter referred to as "Bank" having our registered office at \_\_\_\_\_ (address of Bank) do hereby undertake and agree to indemnify and keep indemnified DMG to extent of INR. \_\_\_\_\_ (INR. \_\_\_\_\_ only) (figures in words against any losses, damage cost, charges and expenses caused to or suffered by or that may be caused or suffered by DMG by reason of any breach or breaches by the Bidder of any of the terms and conditions contained in the said EOI document and unconditionally pay the amount claimed by DMG on demand and without demur to the extent aforesaid.
2. We \_\_\_\_\_ Bank Ltd do hereby undertake to pay the amounts due and payable under the guarantee without any demur merely on a demand by you stating that the amount claimed is due by way of loss or damage caused to or would be caused or suffered by you by reason of any breach by the said Bidder of any of the terms or conditions contained in the said EOI document by reason of the Bidder's failure to fulfill the conditions of said EOI document. Any such demand on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding INR. \_\_\_\_\_.
3. We \_\_\_\_\_ Bank Ltd. further agree that DMG shall be the sole judge of and as to whether the Bidder has committed any breach or breaches of terms and conditions of the said EOI document and the extent of loss, damages, costs, charges and expenses caused to or suffered by or that may cause to or suffered by DMG on account thereof to the extent of the EOI Security required to be deposited by the Bidder in respect of the said document and the decision of DMG that the Bidder has committed such breach or breaches and as to the amount or amounts of loss, damages, costs,

charges, and expenses caused to or suffered by or that may be caused to or suffered by DMG shall be final and binding on us.

4. We \_\_\_\_\_ Bank Ltd. further agree that guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance on the said EOI document and that it shall continue to be enforceable till you certify that terms and conditions of the said EOI document have been fully and properly carried out by the said Bidder and accordingly discharge the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the (date) \_\_\_\_\_ we shall be discharged from all liability under this guarantee.
5. We \_\_\_\_\_ Bank Ltd. further agree with you that you have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said EOI document or to extend time of performance by the said Bidder from time to time or to postpone for any time or from time to time any of the powers exercisable by you against the said Bidder and to forbear or enforce any of the terms and conditions relating to the said EOI Document and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Bidder or for any forbearance act or omission on your part or any indulgence by you to the said Bidder or any such matter or thing whatsoever under the law relating to sureties would but for this provision have effect of so relieving us.
6. It shall not be necessary for DMG to proceed against the Bidder before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank, notwithstanding any security which DMG may have obtained from the Bidder at this time when proceeding are taken against Bank hereunder be outstanding or unrealized.
7. We \_\_\_\_\_ Bank Ltd. further undertake to unconditionally pay the amount claimed by DMG merely on demand and without demur to the extent aforesaid.
8. We, the said Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of DIMG in writing and agree that any change in the constitution of DMG or the Bidder or the said Bank shall not discharge our liability hereunder dated \_\_\_\_\_ day of \_\_\_\_\_ 20..... \_\_\_\_\_ for \_\_\_\_\_ Bank Ltd.

Yours faithfully

For .....

(Name of the Bank)