



GOVERNMENT OF JHARKHAND
DEPARTMENT OF MINES AND GEOLOGY
DIRECTORATE OF GEOLOGY

Notice No 06/2022-23

Expression of Interest
For
Empanelment of Agencies For Drone Survey / 3D
Scanning Services in Mines and Mineral Sectors of
Jharkhand

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

Expression of Interest Notice Number-06/2022-23

1.	Name of the Work	Expression of Interest For Empanelment of Agencies For Drone Survey / 3D Scanning Services in Mines and Mineral Sectors of Jharkhand
2.	Mode of submission of Bids	- Application form, terms & conditions are available on our website www.jharkhand.gov.in. - Downloaded and filled Documents have to be submitted by Speed post or by hand in the following address:- Directorate of Geology Engineer's Hostel 2, Second Floor, Near Gol Chakkar, Dhurwa, Ranchi, Jharkhand, India-834004
3.	Type of Tender	Open Tender
4.	Contract Period	12 months, extendable up to another 12 months on renewable basis upon satisfactory performance
5.	Date of Publication	23.07.2022
6.	Last Date of Submission	16.08.2022 at 1.00 P.M.
7.	Last date of submission of pre-bid queries	05.08.2022 at 1.00 P.M.
8.	Date of Pre- Bid Meeting	08.08.2022 at 3.30 P.M.
9.	Date of Opening of bid	17.08.2022 at 3.30 P.M.
10.	Address of Submission of Bid	Directorate of Geology Engineer's Hostel 2 Second Floor, Near Gol Chakkar Dhurwa, Ranchi, Jharkhand, India 834004 email- dir-geology@jharkhandmail.gov.in (Website- www.Jharkhand.gov.in)
11.	Cost of Bid Document/ Earnest Money	Rs. 5000.00 (Rs. Five Thousand only) to be deposited through website www.jharkhandminerals.gov.in/other E-services//e-payment//Directorate of Geology It will be submitted online through official website www.jharkhandminerals.gov.in → Other & Services → e Payment → Payment office (Directorate of Geology) → Head of Payment (Cost of Tender Document) → Description → Type of Depositor (Other) → District Name (Directorate of Geology) → DDO Code (PRJOTH002)

Sd/-
(Vijay Kumar Ojha)
Director, Geology

1. 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. 2
2nd Floor, Dhurwa
Ranchi 834004

Sub: Expression of Interest For Empanelment of Agencies For Drone Survey / 3D Scanning
Services in Mines and Mineral Sectors 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

Encl: As above

3. DISCLAIMER

This Expression of Interest (EOI) is issued by The Directorate of Geology, Department of Mines and Geology (DMG), Government of Jharkhand whilst the information in this EOI has been prepared in good faith; it is not and does not purport to be comprehensive or to have been independently verified. Neither DMG nor any of its officers or employees, nor any of their advisors accept any liability or responsibility for the accuracy, reasonableness or completeness of, or for any errors, omissions or misstatements, negligent or otherwise, relating to the proposed requirement, or makes any representation or warranty, express or implied, with respect to the information contained in this EOI or on which this EOI is based or with respect to any written or oral information made or to be made available to any of the recipients or their professional advisors and, so far as permitted by law and except in the case of fraudulent misrepresentation by the party concerned, and liability therefore is hereby expressly disclaimed. Neither the Authority nor their employees will have any liability in case of non-receipt of any correspondence from them to the applicants due to the postal delays. The applicable laws for the purpose are the laws of India. Courts of Ranchi will have jurisdiction concerning or arising out of this document. The information contained in this EOI is selective and is subject to updating, expansion, revision and amendment at the sole discretion of DMG. It does not, and does not purport to, contain all the information that a recipient may require for the purposes for arriving at a decision for participation in this process. Neither DMG nor any of its officers, employees nor any of its advisors nor consultants undertakes to provide any Party with access to any additional information or to update the information in this EOI or to correct any inaccuracies therein which may become apparent. This EOI includes certain statements, projections, targets and forecasts with respect to the requirement. Such statements, projections, targets and forecasts reflect various assumptions made by the officers and employees of DMG, which (the assumptions and the base Information on which they are made) may or may not prove to be correct. No representation or Warranty is given as to the reasonableness of forecasts or the assumptions on which they may be based and nothing in this EOI is, or should be relied on as, a promise, representation or warranty. This EOI is not an offer by DMG, but an invitation to receive responses from eligible, interested agencies. DMG shall be the sole and final authority with respect to qualifying eligible agencies through this EOI. The decision of DMG in qualifying a respondent shall be final and DMG reserves the right to reject any or all the bids without assigning any reason. DMG further reserves the right to negotiate with the qualifying agencies to enhance the value through this requirement and to create a more amicable environment for streamlining better execution.

4. Applicant's Profile

(On the letterhead of application)

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 Details:
 9. Address of the Registered Office:
 10. CONTACT NO.
 - Telephone:
 - Mobile:
 - Fax:
 - Email Id:
 11. Registration & incorporation particulars of the firm (with certified Copies):
 12. Previous Experience with Govt. & Other Agency of any (with copies)-
- I/ We hereby declare that the information furnished above is true and correct.

Place:

Date:

Signature & seal of the Applicant

5. Financial Strength of the Applicant

(On the letterhead of application)

(Detail information of last three financial years i.e. FY 2019-20, FY 2020 -21, FY 2021 -22)

Sl. No.	Fin. Yr.	Annual Net Profit (Profit After Tax)	Annual Gross Profit (Profit Before Tax)	Annual Turnover
1	FY 2019 -20			
2	FY 2020 -21			
3	FY 2021 -22			

- Please attach Auditor Certified Financial Statement for each financial years (Mandatory).
- Unaudited financial statement certified by the Company auditor for the latest year (FY 2021-22) may be attached (in case the auditor certified statement is not available).

.

Signature of the Applicant

Full Name of Applicant

Stamp & Date

6. Technical Experience and Eligibility of Applicant

SL	Name of the Project	Name of the client	Work order Number/ Date	Duration of Project	Completion/ Running Certificate	Project Cost

Note: The above information must be supported by essential documentary evidences.

1. The bidder shall have successfully completed at least three (3) drone survey projects during the last three (3) financial years ending on 31st March 2020, out of which a minimum of one work shall be in the mining sector of Major Minerals.
2. Technical presentation in front of technical committee of DMG, Jharkhand on following points :-
 1. Understanding of Scope of Work
 2. Survey Methodology
 3. 3D Platform Demonstration of features and capabilities
 4. Analytics Capabilities and demonstration
3. The bidder should have a minimum strength of 10 (Ten) professionals (mining engineers, surveyors and software experts) having 3 years or more experience on its payroll (non-contractual staff) who have the relevant experience in the drone mapping, geo-spatial dash-boarding and surveying sector. Surveyors must have the requisite competency certificate from DGMS and at least 50% of the professionals shall be on their Payroll.
4. The bidder should have valid security and software development methodology certificate.
5. The bidder shall have DGCA compliant drones (QCI approved, PPK enabled Drone) for purpose of approval.
6. The bidder should not have been blacklisted/banned by any Central/State Government (Central /State Government and Public Sector) and any Court of Law or under a declaration of ineligibility for corrupt or fraudulent practices as on date of Bid Submission.
7. Agency shall have experience in volume calculation either excavation volume or stock volume.
8. Applicant shall have genuine and licensed software for acquisition, processing and Analysis of survey data to be delivered in requisite file format.
9. Agency should have ownership acknowledgement number (OAN), Drone acknowledgement Number (DAN) and Unique Identification Number (UIN) of each Drone.
10. Agency shall have Pilot training certificate holder from DGCA authorize agency or Original Equipment Manufacturer (OEM).
11. Agency should submit detail of Drone/ 3D scanner owned by them.

7. Scope of work

A. Pre-Requisites

The agency shall ensure that the necessary permissions and clearances for drone operations are obtained from respective authorities wherever applicable such as, including, but not restricted to the following:

- i. Directorate General of Civil Aviation (DGCA)
- ii. Ministry of Defence (MoD)
- iii. Ministry of Home Affairs (MHA)
- iv. Air Traffic Control (ATC)
- v. Local Police and District Administration etc.

The above clearances, and permissions shall have to be mandatorily obtained prior to commencement of the flight operation and the agency shall have to also mandatorily submit a copy of the permissions and clearances received, to the office of Director, Geology. It shall be the responsibility of the agency to ensure that the drone operations do not take place without obtaining the relevant permissions from respective authorities. The agency shall be responsible for engaging required manpower to complete the work within the specified period. Prior to commencement of flight operation, the agency shall conduct necessary field visits for the study of the area for flight planning and establish Ground Control Points (GCPs), if required. (Agency shall establish GCPs depending on the requirement to meet the desired specifications of the deliverables) Agency shall ensure that accuracy of the Differential GCPs shall be less than 3 cm. The GCPs should be clearly visible on drone images.

The Agency should have to follow all the rules and regulations of DGCA, Govt. of India and the State Government.

B. Drone Operation for Data Acquisition

1. Agency shall deploy required number of drones at working place. i.e., either fixed wing or multi-rotor Drones with mini or micro weight class, as per DGCA's latest regulations for data acquisition.
2. Few parameters of which are illustrated, (non-exhaustive) below
 - ☐ Certified Mine Surveyor Certificate from DGMS (with proof of employment)
 - ☐ Drone Pilot Certificates/ Licenses
 - ☐ DGCA Approved Survey grade Drone etc.
 - ☐ Every flight should be recorded in the digital sky platform

3. Agency shall ensure that base station is established for each Drone flight.
4. Agency shall ensure that endurance of each Drone for data acquisition shall not be less than 30 minutes.
5. Applicants shall acquire the data with high resolution **(20MP or above)** RGB digital camera inbuilt RTK or PPK GPS/DGPS in order to capture geo-tagged images.
6. While acquiring the data, the Agency shall ensure that it
 - a. Maintains a GSD of 2.5 cm or better with RGB digital camera and Agency shall perform the data acquisition through **normal** flight, **cross** flight as well as **perpendicular** flight so that no object is missed while collecting the data, if required.
 - b. Agency shall ensure that the communication range of each Drone shall not be less than 3 km radius.
 - c. The recommended minimum overlap shall be:
 - i. 75% frontal and 60% side overlap in general cases.
 - ii. 85% frontal and 70% side overlap for forests, dense vegetation and fields.
 - iii. 85% frontal overlap for single track corridor mapping.
 - iv. 60% side overlap if the corridor is acquired using two flight lines.

C. Data Processing and Analysis

1. The Agency shall deploy required number of resources on project to process the data and generate required outputs within the shortest possible time, as the outputs are expected on real time or near real-time.
2. The data processing and its analysis shall have to be carried out in a manner to maintain the confidentiality of the data. No data shall be shared to any third party without prior written approval from DMG, Jharkhand.
3. The Agency shall ensure that all flight data be brought into a single block and it shall be in the desired correction range.
4. The Agency shall generate Digital Surface Model (DSM), Digital Terrain Model (DTM), Point Cloud, 3D model, Ortho mosaic and Contours in a single block, from the captured data.
5. The Agency shall follow the processing approach using Cut-fill method, Tri-angular Prism or similar approach using standard, proprietary or third-party processing tool.
6. The acquired drone images shall be adjusted together with a bundle adjustment process along with the image matching process and point cloud generation. The

accuracy report of such adjustment shall be submitted with respect to the established ground control points. For 2.5 cm GSD, smooth contours of 10 cm interval, DTM accuracy of 10 cm shall be generated. The accuracy of derived DTM shall be verified against the identified GCPs for its vertical accuracy.

7. The orthomosaic shall be generated after achieving the vertical accuracy of DTM and the image adjustment report. The orthomosaic shall be seamless and colour balanced with no artifacts. (Nadir/near nadir images to generate orthomosaic are preferred)
8. Unwanted features like water, glass etc. shall be removed from Point cloud.
9. The boundaries of each mining sites shall be clearly visible on the processed data.
10. The Agency shall process the data and submit the deliverables as per the work plan mentioned in technical proposal.
11. The Agency shall generate the volumetric and extent analysis reports for each and every mining site/ dump and ensure that accuracy to be achieved is at 100%. It will be clearly mentioned in the respective projects which will be allocated after empanelment.
12. DMG, Jharkhand may engage separate Audit team to carry out the checks pertaining to accuracy/correctness/completeness of Applicant's data/processed output such as point cloud, orthomosaic, DSM, DTM, contours and 3D model.

D. General Responsibility of Agency:

1. Quarry Excavation Assessment of Ore and overburden
2. Overburden Dump Quantity Assessment
3. Ore Stock Pile Volumetric Assessment
4. Quarry and Dump Slope Monitoring
5. Capturing of plantation, canopy density evaluation, greenery, surface run-off management, from drains, check-dams, settling pits etc.

In addition to above in some projects Agency may also be asked for following works:-

- a. Geo-referenced Topographical survey with contour mapping of ML/virgin area.
- b. Digital Terrain Modelling (DTM) for height and elevation data of ML/virgin area.
- c. Digital Elevation Modelling (DEM) for height and depth of ML/virgin area.
- d. High resolution Aerial image of ML area/ virgin area.

E. Deliverables

This section should be read in relation to the above scope of work and not in isolation. The Applicants shall submit the deliverables along with file structure, metadata, processing and analysis reports.

A. Ground Survey

The following details shall be submitted with respect to establishment of GCPs in the Mining area-

- i. Details of control points (description, location, photograph, processed coordinates) established.
- ii. The list of base stations along with number coordinates and photographs of points with description used for each flight for each drone flight in each day.
- iii. GPS Survey Data (Raw and RINEX). RINEX data should have antenna height and its parameters.
- iv. Soft and hard copy of field observation sheet for each observed point, field photographs for each observed point.
- v. Network Adjustment Report.
- vi. Coordinates of all the control points.

B. Data acquisition

The following data shall be submitted as part of data acquisition:

- i. Drone class type, make & model details, drone registration number of all deployed drones.
- ii. Sensor calibration details/reports.
- iii. Make and Model of Inertial Navigation System (INS), GPS receiver details of base as well as for RTK/PPK mode receiver on drones,
- iv. Raw images in jpeg/tiff format in standard storage device.
- v. Ensure that images should not have seam lines, blur, cloud and haze but should have perfect colour balancing
- vi. Organization of the delivered data such as file name, folder structure.
- vii. Flight details such as flight path including time, position, image start and end number for each flight and orientation parameters for each observation(s).
- viii. The base station co-ordinates or the control point number on which each base is operated.

C. Processed Data

The following data shall be submitted as part of processed data:

RGB Data

- i. Aerial triangulation methodology and results, bundle block adjustment and their accuracy reports
- ii. DSM, DTM, Point cloud, 3D model and Contours
- i. Seamless colour balanced orthomosaic
- ii. Seam line/seam polygon in shape file format
- iii. DSM, DTM and orthomosaic in 250 m x 250 m grid tiles
- iv. Organization of data in the delivered medium.

Data should be submitted in shp. dwg, str, pdf format. Standard drone output should be submitted in geotiff, tiff,shp. dxf, str, las, csv format.

The Agency shall submit the above deliverables with desired specifications and meet the following parameters of accuracy/data quality standards.

- Vertical accuracy of DSM should be better than 10 cm with respect to GCP.
- Vertical accuracy of DTM should be better than 10 cm with respect to GCP.
- Contour Interval should be 10 cm. Every 1 m contour should be indexed.
- Absolute Positional accuracy of ortho should be better than 10 cm with respect to GCP
- Relative positional accuracy of ortho should be better than 2 pixels.
- Point cloud shall be carried out using area and distance measurement from GCPs
- 3D model shall be generated using high point cloud density

8. General Terms and Conditions

- i. The bidder should ensure clarity/legibility of the document submitted by him to the Directorate of Geology, Government of Jharkhand.
- ii. Duly signed tender documents, certificates, statements shall be accepted. All the responsibility for their correctness/ authenticity lies with the applicant. If any of the information furnished by the bidder is found to be false/fabricated bogus, his application will be disqualified.
- iii. The Bidder is expected to examine all instructions, forms, terms and specifications in the bidding document. Failure to furnish all information required by the bidding document or submission of a bid not responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of the bid.
- iv. The bidders may send their query through e-mail to director-geology@jharkhandmail.gov.in or submit a hard copy at the office of Director Geology at Ranchi regarding tender document before Pre- bid meeting Date- No request for clarification shall be entertained thereafter. Suggestions/ feedback received from participating bidders may be included in the tender schedule if found suitable as per the requirement of DMG, Jharkhand and the decision of DMG in this regard, shall be final. Corrigendum, if any shall be published in web site www.jharkhand.gov.in will be part of the tender document.
- v. The tender paper is to be downloaded from our web site i.e. www.jharkhand.gov.in from The last date of receipt of the tender is up to 5.00P.M., which shall be opened on at 01.00 PM. **There will be no manual sale of the tender paper.** The Bidders who have participated in the bid can witness the opening of bids at the office.
- vi. The techno-commercial bids shall be evaluated by a committee. After evaluation of the techno- commercially qualified bidders eligible bidders will be empanelled for one year and duration may be extended for another one year after evaluation. The empanelment will be valid from the date of communication to the successful applicant. the successful bidder will have to deposit a sum of Rs. One Lakh in form of BG (Annexure I) for complete one year issued by any National/ Scheduled bank in favour of Director, Geology, Department of Mines and Geology, Government of Jharkhand.

- vii. The Bidder shall furnish, as part of its bid, tender fee of Rs. 5000.00 only to be deposited on line through JIMMS Portal of DMG, Jharkhand. Instruction to be followed for on line payment.
- viii. The Bidders, who are exempted to deposit EMD amount due to any exemption granted By Central/State Govt., are required to attach scanned copy of relevant documents evidencing such exemption granted, along with the Techno-Commercial Bid document.
- ix. The successful Bidder shall have to submit Performance Security Deposit in the form of DD/BG. Performance Security Deposit shall be 10% of the Contract value (excluding taxes).
- x. The Performance security Deposit shall be returned after completion of warranty period to the satisfaction of OMC and on satisfactory compliance of all statutory laws and acts applicable to this work. The Performance security Deposit shall be released on receipt of recommendation from the concerned Sectional Head.
- xi. The Performance Security Deposit shall be for due and faithful performance during the warranty period and is liable for forfeiture in the following cases;
 - 1. If the successful bidder denies undertaking the work after issuance of LOI, or
 - 2. If the successful bidder abandons the work before its completion, or
 - 3. If the work performed by the successful bidder is not as per the Technical specification as agreed by the Successful Bidder.
- xii. DMG may, at its own discretion, extend this deadline for submission by notifying the same in the newspaper or in the website.
- xiii. The firm/firms shall renew the Security deposit on periodic basis till the empanelment period is not over. In case of deviation of agreed terms & conditions by the firm/firms the Bank Guarantee shall be encashed.
- xiv. Incase the firm/firms want(s) to withdraw themselves from the Empanelment list, the security deposit may be refunded to the firm/firms after deducting receivables of DMG, Jharkhand if any.
- xv. 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/firm (force majeure) than the same shall be acceptable by the competent authority and the security deposit shall not be forfeited. The decision of the DMG, Jharkhand shall be final in this regard.
- xvi. DMG, Jharkhand will evolve a rate contract through invitation of offers/tenders from empanelled agencies for specific projects. Work will be allotted to the Agency who will quote L1rate.

- xvii. Work shall be distributed to agencies/among agencies depending upon their capabilities and the requirement of the Department. The decision of DMG, Jharkhand in this regard shall be final. However, for execution of any complex project, DMG, Jharkhand will select and invite firms from the empanelled list based on their suitability and capability matching the scope of the same project to participate in the tender for the project. The work shall be allotted to the firm/firms whose price is lowest in the tender offer.
- xviii. 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.
- xix. All disputes shall be settled within the territorial Jurisdiction of the Court of Ranchi only.

Signature & seal of the Applicant

Applicant's Expression of Interest (A-2)

[On the letterhead of applicant]

To,

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

Sub: Submission of Expression of Interest for Drone Survey / 3D Scanning Services in Mines and Mineral Sectors 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 convey our consent to be empanelled as Drone Survey / 3D Scanner Service Provider agencies in Directorate of Geology for next 12 months. The agency is bound to accept all the terms and conditions as mentioned in this tender document. Directorate has all the rights to assess our previous work and interest shown by the agency during the period of empanelment.

Sincerely Yours,

Signature of the applicant

[Full name of applicant']

Stamp.....

Date: XXXXXXXXX

Annexure 1: Performance Bank Guarantee

DATE: _____

BANK GUARANTEE

Name of Bank:

To

The Director Geology

Directorate of Geology,

Engineer's Hostel, Near Gol Chakkar, Jharkhand

Ranchi, 834004

Dear Sir,

Guarantee No.

Amount of Guarantee Rs /- (Rupees.....) only.

Guarantee cover from..... to

Guarantee remain full force

Last date for lodgement of claim: (Two months from date of expiry).

This Deed of guarantee executed by (Bank Name)....., constituted under the Banking Companies (Acquisition & Transfer of Undertaking) Act..... having its registered office at and amongst other places, a branch at (hereinafter referred to as the bank) in favour of The Director, Geology, DMG, Jharkhand (the beneficiary) for an amount not exceeding Rs..... /- (Rupees) only at the request of M/s..... (hereafter referred to as the agency). This guarantee is issued subject to the condition that the liability of the bank under this guarantee is limited to maximum of Rs/- (Rupees.....) only and the guarantee shall remain in full force from to (date of expiry) with further claim period of two months and cannot be invoked otherwise than by a written demand or claim under this guarantee served on the bank at our branch at Ranchi on or before..... (Last date of lodgement of claim) by the Director, Geology, Jharkhand, Ranchi in writing.

For (Bank) Seal

Branch Manager

Branch

SUBJECT TO AS AFORESAID

(Main guarantee matter may be typed hereafter)

BG No

Date:.....

Amount:.....

Valid period from to

Claim period.....

The Director, Geology, Directorate of Geology, Department of Mines and Geology, Jharkhand (DMG,Jharkhand) has agreed to accept from M/s..... at

..... PO PS

.....District....., State.....,

(herein after called as Agency) a bank guarantee for Rs.

(Rupees.....) only for the period from

.....to..... with a further claim period of two months & the last date of

lodgement of claim within towards EMD/SD/ISD/Performance

Guarantee/Guarantee against advance payment in connection with

..... Work/ Contract/ PO/ Tender No. & date. We

..... (Bank)..... branch do hereby undertake to

indemnify and keep indemnified “DMG, Jharkhand.” to the extent of

Rs.....(Rupees.....

..... only) for the period from to..... with

the last date of lodgement of claim withinWe

..... (Bank).....branch, further

agree that if a demand is made by the DMG, Jharkhand have no right to decline to cash the same for any reason whatsoever. The fact that there is a dispute between the said Agency and the DMG, Jharkhand is no ground for us to decline to honour invocation the Bank guarantee and such invocation is a sufficient reason for the DMG, Jharkhand to enforce the bank guarantee unconditionally without any reference to the said Agency, within 48 hours excluding holidays.

We.....(Name of the Bank & Branch).....branch,

further agree that a mere demand by the OMC is sufficient for us(Bank

Name),..... branch at Bhubaneswar, to pay the amount covered by the bank

guarantee without reference to the said Agency and any protest by the said Agency cannot be

valid ground for us,.....Bank..... Branch, to

decline paymentto the DMG, Jharkhand.

Wethe bank, undertake to pay to the DMG any money so

demand ed notwithstanding any dispute or disputes raised by the said agency in any suit or

proceedings pending before any court or tribunal relating thereto as our liability under this

present being absolute and unequivocal. If notice of demand is served on the Bank and for

this purpose it shall be deemed sufficient if such notice is served on our branch at

.....Bhubaneswar, by the OMC before the last date of lodgement of claim

under this guarantee, then not withstanding anything to the contrary herein contained, the

liability of the Bank under this guarantee shall be enforceable as due to us.

BG No:.....

Date:

Amount:

Valid period from to

Claim period.....

Wethe bank further agree that the OMC shall have fullest liberty, without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the agreement/work order/contract/order etc or to extend time of performance by the said agency from time to time or to postpone for any time or from time to time any of the powers exercisable by the OMC against the said agency and to forbear or enforce any of the terms and conditions relating to the order and shall not be relieved from our liability by reason of any such variation or extension being granted to the said Agency or for any forbearance, act or omission on the part of the OMC or any indulgence by the DMG, Jharkhand to the said agency.

We (Name of the Bank & specify branch Name)..... branch lastly undertake not to revoke this guarantee during its currency except with the previous consent of the DMG, Jharkhand in writing. Notwithstanding anything contained herein above:

1. All claims under this guarantee must be presented to(name of the bank).....(Branch), Ranchi (Jharkhand) .
2. Our liability under this Bank Guarantee shall not exceed Rs.(Rupees.....)only.
3. This guarantee will not get discharged due to change in the constitution in the bank or the said agency.
4. This Bank Guarantee shall remain valid up to (Date of expiry) with additional claim period of two months and claim under this guarantee can be served on or before (Last date of lodgement of claim).
5. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if DMG, Jharkhand serves a written claim or demand on the bank at our.....branch at Bhubaneswar on or before (Last date of for lodgement of claim.)
6. We declare that this Bank Guarantee is not tainted with fraud and is furnished in the written request of the Agency.

Signature:

Name:

For & on behalf of
(Seal)

Address

For & on behalf of

(Seal)

Signed and delivered this on