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Government of West Bengal

Commerce & Industries Department

Shilpa Sadan

4, Abanindranath Tagore Sarani (Camac Street)

Kolkata – 700 016



MM
26/7

Notice Inviting Tender

“Invitation of bids for preparation of Form-1, Pre-Feasibility Report and Mine Plan”

1. Background

- 1.1. In terms of Notification No. S.O. 141(E) Dated 15th January, 2016 by Ministry of Environment Forest and Climate Change (henceforth referred to as MoEF&CC), Form-1, Pre-Feasibility Report (henceforth referred to as PFR), and Approved Mine Plans are the three pre-requisites for getting Environmental Clearance for mining leases, particularly for mining of sand and river-bed minerals.
- 1.2. Environmental Clearance for Mining Lease application below five (5) Ha shall be issued by the District Environment Impact Assessment Authority (DEIAA) chaired by the concerned District Magistrate.
- 1.3. To facilitate the process of filing of applications for Environmental Clearance by the individual project proponents, the Government of West Bengal is desirous of fixing rates for preparation of Form-1, PFR and Mine Plan in the various districts of the State of West Bengal.
- 1.4. A model template each for (i) PFR and (ii) Mine Plan has been prepared by the Commerce & Industries Department which is attached herewith.
- 1.5. Rates are being invited from accredited Firms / Agencies / Individuals for preparation of Form-1, PFR and Mine Plan.
- 1.6. The Form-1 has to be prepared as per format provided in the Notification No. S.O. 141(E) Dated 15th January, 2016 of the MoEF&CC.
- 1.7. The PFR and Mine Plan have to be prepared as per model template prepared by the Commerce & Industries Department.

2. Scope and purpose of the Bid

- 2.1. Fixing of a uniform rate for preparation of Form-1, PFR and Mine Plan by the accredited / registered Firms / Agencies / Individuals / Consultants from Quality Council of India, NABET and Indian Bureau of Mines as applicable and specified in the eligibility column.
- 2.2. District wise uniform maximum rate for preparation of Form-1, PFR and Mine Plan shall be identified and notified by the State Government in the Commerce & Industries Department, for sand, river-bed minerals and other minor minerals in order to provide

scope to the project proponent to have a fair idea of the fees for preparation of Form-1, PFR and Mine Plan.

2.3. Lowest rate for preparation of (i) Form-1, (ii) PFR and (iii) Mine Plan shall be identified and notified.

2.4. A panel of accredited Firms / Agencies / Individuals shall be prepared and notified by the State Government in the Commerce & Industries Department, for sand, river-bed minerals and other minor minerals.

3. Eligibility of the Bidder

3.1. Firms / Agencies / Individual Environment Consultants having due accreditation from Quality Council of India (QCI), NABET are only eligible to quote rate(s) for preparation of the Form-1 and PFR.

3.2. Firms / Agencies / Individual Registered Qualified Persons (RQPs) having due accreditation from the Indian Bureau of Mines (IBM) are only eligible to quote rate(s) for preparation of the Mine Plan.

4. Terms and Conditions

4.1. The work has to be carried out in conformity with the specifications, guidelines and standards fixed by MoEF&CC, GoI and to the satisfaction of the DEIAA.

4.2. The district wise rates and empanelment of Environment Consultants and RQPs shall be finalized by a Committee constituted for the purpose.

4.3. Lowest rate(s) so identified shall be notified and that will be applicable to all Environmental Consultants and RQPs duly accredited by the QCI, NABET and IBM respectively.

4.4. The State Government reserves all rights for selection of the rates and empanelment of Environmental Consultants and RQPs.

4.5. State Government also reserves all the right for not selecting the lowest rate and not selecting an Environment Consultant or RQP without assigning any reason thereof.

4.6. Environment Consultants and RQPs who would not participate in this bid shall remain eligible to prepare Form-1, PFR and Mine Plan provided they have due accreditation from the QCI, NABET and IBM respectively.

4.7. State Government or DEIAA shall not be bound to provide any offer or job of preparation of Form-1 / PFR / Mine Plan to the lowest bidder and / or empanelled bidders because the project proponents shall be free to choose any Environment Consultant and / or RQP of their choice either from the empanelled Consultants / RQPs or any other Consultants / RQPs not empanelled by the State Government, provided they are having due accreditation from the QCI, NABET and IBM respectively.

However, such empanelment is only to facilitate the project proponent to readily get the details of RQPs, Environment Consultants and qualified agencies / firms for preparation of Form-1, PFR and Mine Plan readily.

4.8. All expenses for preparation of Form-1, PFR and Mine Plan will be borne by the Project proponent only.

5. Documents to be submitted

5.1. Mandatory documents:

- 5.1.1. Accreditation from QCI, NABET and IBM as applicable.
- 5.1.2. Identity proof in case of individual (EPIC, Aadhaar Card, PAN Card or similar other document issued by any government office or government organization).
- 5.1.3. Earnest Money Deposit (EMD) of Rs 10,000/- (Rupees Ten Thousand) only in the form of DD in favour of "O.S.D. & D.D.O, Commerce & Industries Department".
- 5.1.4. Registration details in case of a Registered Firm / Agency.
- 5.1.5. In case any Agency / Firm, quoting rate for preparation of Mine Plan through any RQP, it will have to furnish either of the following documents:-
 - a) the document that such RQP(s) is / are in the pay-roll of the Agency / Firm, or
 - b) an agreement between the Agency / Firm and the RQP(s) has been in force to the effect that during the period of empanelment that the RQP shall be duty bound to carry out preparation of Mine Plan on behalf of such agency / firm.
- 5.1.6. Income Tax Return of the last year.

5.2. Desirable documents:

- 5.2.1. Credentials from any government office or government organization.
- 5.2.2. Experience details, in the concerned field(s) with period of experience.

6. Technical Bid

- 6.1. The Bid will be in two parts viz. Technical Bid and the Financial Bid. The Bids should be submitted in two separate sealed covers. Each cover should be marked clearly subscribing "Technical Bid" or "Financial Bid" as the case may be. Each cover must contain the name of the applicant / agency / firm clearly for proper identification.
- 6.2. The two separate sealed covers containing Technical Bid and Financial of an applicant / agency / firm shall be placed in a large cover together. The Large cover shall be duly sealed and subscripted "Technical Bid & Financial Bid" indicating the name of the applicant / agency / firm.
- 6.3. Applications shall be addressed to the Principal Secretary to the Government of West Bengal, Commerce & Industries Department.
- 6.4. The applicant shall apply on his / her letterhead or on the office letterhead of the Firm / Agency.
- 6.5. Application should be neatly typed and signed by the duly authorized signatory.
- 6.6. Handwritten application shall be summarily rejected.
- 6.7. Unsigned application shall be rejected.
- 6.8. Application must be accompanied by the mandatory documents, as specified at Para 5 and have to be submitted through the envelope containing the Technical Bid.
- 6.9. Failing to furnish valid documents as at Para 5.1 will entail cancellation of the Bid and in that case Financial Bid of that agency / consultant firm, RQP will not be opened.

7. Financial Bid

- 7.1. Financial Bid will be opened only when the Technical Bid is accepted by the Bid Evaluation Committee constituted for the purpose.
- 7.2. The Financial Bid shall be made on letterhead of the applicant or on the office letterhead of the Firm / Agency.
- 7.3. Rates must be quoted for an area of up to 5 Ha only and the rate has to be mentioned both in figure and words.
- 7.4. Financial Bid must be signed by the RQP or authorized signatory, as the case may be.
- 7.5. Financial bid shall be made as per following format.

Sl. No.	District	Rate for Form-1 (₹)	Rate for PFR (₹)	Rate for Mine Plan (₹)
1.	Cooch Behar			
2.	Jalpaiguri			
3.	Alipurduar			
4.	Darjeeling			
5.	Uttar Dinajpur			
6.	Dakshin Dinajpur			
7.	Malda			
8.	Murshidabad			
9.	Nadia			
10.	Burdwan			
11.	Birbhum			
12.	Bankura			
13.	Purulia			
14.	Paschim Medinipur			
15.	Purba Medinipur			
16.	Howrah			
17.	Hooghly			
18.	North 24 Parganas			
19.	South 24 Parganas			

8. Bid Submission

- 8.1. Bid should be submitted in sealed envelope in the Tender Box kept in the Mines Branch at 5th Floor in this office during office hours.
- 8.2. Last date for bid submission: 22/07/2016 up to 2:00 pm
- 8.3. Bid opening date: 22/07/2016 at 3:00 pm
- 8.4. Bid will be opened in the Mines Branch of Commerce & Industries Department.

9. Evaluation

- 9.1. Evaluation of bid will be done by a Committee constituted for the purpose.
- 9.2. Interested bidders may remain present at the time of opening the bid.
- 9.3. Decision of the Committee shall be the final for selection of the rate and for empanelment of the Environment Consultant and RQP.
- 9.4. The rates and the empanelment shall be notified by the Government of West Bengal in the Commerce & Industries Department.
- 9.5. The rates and empanelment shall remain valid for one (1) year or otherwise as would be notified by the Government.

10. Earnest Money Deposit (EMD)

- 10.1. The EMD of the empanelled RQP / Agency / Firm will be taken as security deposit till the empanelment remains in force. EMD of ineligible bidders will be refunded within a month without interest.
- 10.2. The EMD shall be liable to be forfeited in case even after empanelment, any agency declines to carry out the job assigned by the project proponent or violates any direction given by the DEIAA.

11. Contact person for any clarification

- 11.1. Ajit Kumar Mandal, Deputy Secretary Ph. No.9163406438
- 11.2. Debranjana Das, OSD, Mines Branch Ph. No. 9432085866
- 11.3. Sudip Kumar Pal, UDA, Mines Branch Ph. No. 9874154745

12. Enclosures: Form-1, Model PFR, Model Mine Plan


Sd/-
Utpal Bhadra
Joint Secretary
Commerce & Industries Department

No. 389-CI/O/MIN/GEN-MIS/16/2016

Dated: Kolkata, the 14th July, 2016

Copy forwarded for wide circulation and due publication to the:

- ✓ 1. Addl District Magistrate & DLL&RO *Burdwan*
2. District Magistrate
3. Chief Mining Officer, West Bengal, Court Road, Asansol, Dist. Burdwan, PIN-713304;
4. Secretary, Land & Land Reforms Department, Nabanna, 6th Floor, Sarat Chatterjee Road, Shibpur, Howrah-711102;
5. Chief Environment Officer, West Bengal, Environment Department, Paura Bhavan, 4th Floor, FD Block, Sector-III, Kolkata-106;
6. Joint Secretary, Irrigation & Waterways Department, WB, Jalasampad Bhavan, 3rd Floor, Western Block, Bidhannagar, Saltlake City, Kolkata-700091;
7. Director, Directorate of Mines & Minerals with request to publish in the official website of the Directorate of Mines & Minerals
8. Sr P S to the Principal Secretary, Commerce & Industries Department.
9. Sr P S to the Secretary, Commerce & Industries Department.


Utpal Bhadra
Joint Secretary
Commerce & Industries Department

APPENDIX VIII
(See paragraph 6)

FORM 1 M

APPLICATION FOR MINING OF MINOR MINERALS UNDER CATEGORY 'B2' FOR LESS THAN AND
EQUAL TO FIVE HECTARE

(II) Basic Information

- (viii) Name of the Mining Lease site:
- (ix) Location / site (GPS Co-ordinates):
- (xi) Capacity of Mining lease (TPA):
- (xii) Period of Mining Lease:
- (xiii) Expected cost of the Project:
- (xiv) Contact Information:

Environmental Sensivity

Sl. No.	Areas	Distance in kilometre / Details
1.	Distance of project site from nearest rail or road bridge over the concerned River, Rivulet, Nallah etc.	
2.	Distance from infrastructural facilities Railway line National Highway State Highway Major District Road Any Other Road Electric transmission line pole or tower Canal or check dam or reservoirs or lake or ponds In-take for drinking water pump house Intake for Irrigation canal pumps	
3.	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	
4.	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	
5.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	
6.	Inland, coastal, marine or underground waters	
7.	State, National boundaries	
8.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	
9.	Defence installations	
10.	Densely populated or built-up area, distance from nearest human habitation	
11.	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	
12.	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	
13.	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	
14.	Areas susceptible to natural hazard which could cause the project to present environmental problems. (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)	
15.	Is proposed mining site located over or near fissure / fracture for ground water recharge	
16.	Whether the proposal involves approval or clearance under the following Regulations or Acts, namely:- (a) The Forest (Conservation) Act, 1980; (b) The Wildlife (Protection) Act, 1972; (c) The Coastal Regulation Zone Notification, 2011. If yes, details of the same and their status to be given.	
17.	Forest land involved (hectares)	
18.	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Orders or directions of the Court, if any, and its relevance with the proposed project.	

**(Signature of Project Proponent
along with name and address)**

**MODEL FORMAT OF MINING PLAN FOR RIVER-BED SAND
AND OTHER RIVER-BED MATERIALS**

Introduction	
Sl. No.	Description
1.	General Information about the applicant:-
	a. Name, Address, Telephone No./Mobile No., e-Mail Address
	b. Status of the applicant:- Private Individual /Co-operative / Private Limited Company / Public Sector Undertaking / Joint Venture Company / Firms / Others.
2.	General Information about the Mining Lease:-
	a. Mineral(s) that the applicant intends to mine. b. Detail of the mining lease (lease period, description of the area, mentioning Latitude & Longitude of the boundary points and mentioning the name of the rivers).
3.	Particulars of the RQP / Accredited Consultant, who has prepared the mining plan.
4.	Location and accessibility of the area. (Detail geography of the area, infrastructural facility of the area).
5.	Physiography, drainage & climate.
6.	Geology of the area:-
	a. Regional Geology.
	b. Local Geology (Tectonics and structural behaviour of rocks, description of formation, lithology of catchment area).
	c. Replenishment Study.
	i. Origin and control of mineralisation.
	ii. Deposition of minerals in riverbed.
	iii. Geomorphology.
iv. Climatic Zone, soil fall, drainage pattern, etc.	
v. Sedimentation study.	
d. Estimation of Geological Reserve & Grade.	
7.	Method of mining in detail:-
a.	Category of mine (A/B1/B2)
	Year-wise development plan
	Extraction methods:-
	i. Bar Scalping/skimming
	ii. Dry-Pit Channel Mining
	iii. Wet-Pit Channel Mining
iv. Bar excavation	
v. Channel-wide River Bed Mining	
vi. Others	
d.	Detail of employment

8.	Stacking of minerals and waste
9.	Loading & Transportation of minerals and waste
a.	Loading of minerals at mining site:-
i.	Manual loading
ii.	Mechanised loading
b.	Means of transport
10.	Environmental Management Plan
11.	Mine Closure Plan & Financial assurance
12.	Plans and Sections:-
a.	Mining lease plan on mouza sheet (scale: 1 in 3960)
b.	Key plan (scale: 1 in 25000)
c.	Location plan (scale: 1 in 5000)
d.	Surface plan and sections (scale: 1 in 1000)
e.	Surface topographic plan, geological plan and sections (scale: 1 in 1000)
f.	Year-wise development plan
g.	Composite plan and sections showing pit layouts, stacks of minerals and waste, etc.
h.	Conceptual mining plan
i.	Environmental Plan (scale: 1 in 2000)

<https://wblproa.in>

PRE-FEASIBILITY REPORT

FOR

Project proposal for Mining of Riverbed Materials from the
River / Canal / Khal.....

Proposed capacity:

Area: Ha

AT

Village Mouza J.L. No. Plot No. Block

District, State – West Bengal

Prepared by:

.....

(Name of proposed Lessee)

1. EXECUTIVE SUMMARY

Brief outline stating name of river bed, proposed project area, location, method of mining, period etc. to be mentioned.

Mining Lease Area (in Ha)	
Location of mine (Centre) with co-ordinate): Location Mouza, Block, P.S. and GIS coordinates (Latitude & Longitude) of the central axis of the mining area.	
River /Canal / Khal	
Topography	
Minerals of mine	
Total mineable reserves	
Life of mine	
Proposed production of mine	
Method of mining	
Drilling/Blasting	
Water demand	
Sources of water	
Ultimate depth of Mining	
Average Man power per day	
Solid Waste including residual riverbed materials	
Nearest Railway Station	
Nearest State Highway/National Highway	
Nearest Airport	
Protected/Reserved forest	

2. INTRODUCTION

2.1 Identification of Project and Project Proponent

..... is the Lessee of the proposed Mine. The details are as given below:

Name of the applicant	
Name & Address of the Applicant	
Number of Leases held by the lessee	
Name of Mine: Local name of the Village, Mouza with JL No., Plot No., Block, P.S. and District	
Mineral	
Area (Ha)	
Period of Lease (Yrs)	
Status of Mine	

2.2 Brief description of the nature of the project

Mention proposed collection per month / year, mining method, depth of mining, machines & equipments, No. of labourers to be employed, working schedule etc.

2.3 Scope of the project and its importance

Mention deposit, utility, demand-supply prospect, infrastructure, transportation mechanism, capability of lessee etc.

2.4 Employment Generation

3 PROJECT DESCRIPTION

3.1 Type of project including interlinked and interdependent projects, if any

3.2 Location

3.3 Size or magnitude of operation

3.4 Project description with process details

3.4.1 Method for developing as well as removal of allsorts of barriers from waterway of the river, before and during monsoon.

3.4.2 Method of mining

3.5 Raw Material Required Along With Estimated Quantity, Likely Source, Marketing Area of Final Product/S, Mode of Transport of Raw Material and Finished Product

3.5A Plan of restoration of embankment / bank line damaged due to transportation of extracted riverbed materials.

3.6.1 Use of Mineral

3.6.2 Mineral Beneficiation

3.7 Availability of water its source, energy/ power requirement and source

3.7.1 Water Requirement

3.7.2 Power Requirement

3.8 Quantity of wastes including residual extracted materials left to be generated (liquid and solid) and scheme for their management/ disposal.

3.8.1 Solid Waste Generation & its Disposal

3.8.2 Liquid Effluent

4. SITE ANALYSIS

4.1 Suitability for extraction taking into consideration general profile river stream, annual deposition factor, and replenishment.

4.2 Connectivity

4.2.1 Nearest Railway Station

4.2.2 Nearest Airport

4.2.3 Nearest Highway

4.2.4 Nearest Town/City

4.3 Land form, land use and land ownership

4.4 Topography

4.5 Existing land use pattern

4.6 Soil classification

4.7 Rainfall and climate

5. PLANNING

5.1 Mining Plan

5.2 Compliance of stipulations to safeguard hydro-morphological condition of rivers / canals / khals

Sl. No.	Stipulations	Mention actual distance (m/km)	Mention status of compliance (Yes/No)	Remarks
1.	Distance of centerline of mining area from the nearest dams (reservoirs) and barrages measured along flow direction shall not be less than 3 km and that for check dams, pick up barrages, weirs, anicuts shall not be less than 1 km.			
2.	Distance of nearest boundary of mining area measured along flow direction from centerline of bridges, regulators, sluices, water intake structures, jetties and end point of bank protection works located at upstream or downstream of the mining area shall not be less than 300 metre.			
3.	Countryside boundary of mining area lying more or less parallel to bank line shall be at a distance not less than 100 metre from the existing bank line (not embankment) or one third of the distance between bank lines (not embankment), whichever is less, provided such distance shall never be less than 30 metre.			
4.	Depth of mining shall not be undertaken below 3 metre of existing bed level or prevailing low water level, whichever is less.			

- 5.3 Population projection
- 5.4 Land use planning
- 5.5 Amenities/facilities to the workers

- 6. PROPOSED INFRASTRUCTURE
 - 6.1 Mining area (Processing Area)
 - 6.2 Residential area (Non Processing Area)
 - 6.3 Green belt
 - 6.4 Connectivity
 - 6.5 Drinking Water Management
 - 6.6 Sewerage System
 - 6.7 Toilet facility
 - 6.8 Industrial Waste Management
 - 6.9 Solid Waste management
 - 6.10 Power Requirement & Supply/ Source

- 7 REHABILITATION AND RESETTLEMENT (R&R) PLAN
- 8. PROJECT SCHEDULE & COST ESTIMATES

- 9. ANALYSIS OF PROPOSAL

Date:

Signature of the Applicant