

“APPENDIX-X”

[See paragraph 7 (iii) (a)]

I. PROCEDURE FOR PREPARATION OF DISTRICT SURVEY REPORT FOR SAND MINING OR RIVER BED MINING

The main objective of the preparation of the District Survey Report (as per the Sustainable Sand Mining Guideline) is to ensure the following:-  
Identification of area of aggradations or deposition where mining can be allowed; and identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited and calculation of annual rate of replenishment and allowing time for replenishment after mining in that area.

The report shall have the following structure:

- (1) Introduction; Deogarh district is consisting with three Tahasils and 774 Revenue villages
- (2) Overview of Mining Activity in the District:-Minor Mineral activities are done in Deogarh district
- (3) The List of Mining Leases in the District with location, area and period of validity:-Information given below in the format.
- (4) Details of Royalty or Revenue received in last three years;: Information given in the format
- (5) Detail of Production of Sand or Bajri or minor mineral in last three years; The information given in the format
- (6) Process of Decomposition of Sediments in the rivers of the District;:There are two rivers namely Brahmani and Tikira flowing in Deogarh district.Sand sediments
- (7) General Profile of the District;
- (8) Land Utilization Pattern in the district: Forest, Agriculture, Horticulture, Mining etc.;
- (9) Physiography of the District;
- (10) Rainfall: month-wise; Detailed rainfall report is given below :
- (11) Geology and Mineral Wealth.

In addition to the above, the report shall contain the following:

- (a) District wise detail of river or stream and other sand source;
- (b) District wise availability of sand or gravel : Sand is available in quarry river Brahamani and river Tikira
- (c) District wise detail of existing mining leases of sand and aggregates.

A survey has been carried out by the District Environment impact Assessment Authority with the assistance of Executive Engineer M.I Division Deogarh in the district.

**Drainage system with description of main rivers**

S. No.	Name of the River	Area drained (Sq. Km)	% Area drained in the District
(1)	Brahmani river	40Sq.Km	10%
(2)	Tikira river	10 Sq.Km	10%

**Salient Features of Important Rivers and Streams:**

S. No.	Name of the River or Stream	Total Length in the District (in Km)	Place of origin	Altitude at Origin
(1)	Brahmani	40	Sundargarh dist.	
(2)	Tikira	10	Sambalpur dist.	

Portion of the River or Stream Recommended for Mineral Concession					Length of area recommended for mineral concession (in kilometer)	Average width of area recommended for mineral concession ( in meters)	Area recommended for mineral concession (in square meter)	Mineable mineral potential (in metric tonne) (60% of total mineral potential)
Name of the Source	Khata No.	Plot No.	Kisam	Area in Ac.				
Gadiapal Sand Quarry	80	732(P)	Nadi	Ac.9.70	0.244	161	39284 Sqm	84971

Mineral Potential			
Boulder (MT)	Bajri (MT)	Sand (MT)	Total Mineable Mineral Potential (MT)
-	--	97529	84971

Annual Deposition

S. No.	Name of the River or Stream	Total Length in the District (in Km)	Place of origin
(1)	Brahmani	40	Sundargarh dist.
2	Tikra	10	Sambalpur dist

Portion of the River or Stream Recommended for Mineral Concession					Length of area recommended for mineral concession (in kilometer)	Average width of area recommended for mineral concession ( in meters)	Area recommended for mineral concession (in square meter)	Mineable mineral potential (in metric tonne) (60% of total mineral potential)
Name of the Source	Khata No.	Plot No.	Kisam	Area in Ac.				
Gadiapal sand quarry	80	732(P)	Nadi	Ac.9.70	0.244	161	39284 Sqm	84971

Details of Royalty or Revenue received in last three years

Sl.No.	Name of the quarry	Amount collected during last three years		
		2019-20	2020-21	2021-22
1	Gadiapal sand quarry	-	-	-

Details of production of minor minerals in last 3 years

Sl.No.	Name of the quarry	Amount collected during last three years		
		2019-20	2020-21	2021-22
1	Gadiapal sand quarry	-	-	-

List of mining lease with address and location area and period of validity.

Sl.No	Name of the source	Name of the leasee	Address & contact no.of the leasee	Mining lease grant order No. & date	Area of mining lease(ha)	Period of mining lease		Period of mining lease(1 <sup>st</sup> /2 <sup>nd</sup> renewal)	
						7	8	9	10
01	Gadiapal sand quarry	Not yet auctioned	Not yet auctioned	Does not arise	Ac.12.35	2022-23	2027-28	Does not arise	

Date of commencement of mining operation	Status(Working/Non-working/Temporary working for dispatch)	Captive/Non-captive	Obtained environmental clearance(Yes/No)	Location of the Mining lease(Latitude & Longitude)	Method of mining (opencast/underground)
11	12	13	14	15	16
2022-23	Non Working	Captive	No	Latitude N21°10'21.56" to N21°10'31.01"N Longitude E84°51'38.61" to E84°51'49.40"E	opencast

  
 Executive Engineer(M.I Division)  
 Deogarh