

APPENDIX – X

[Sec paragraph 7 (iii) (a)]

PROCEDURE FOR PREPARATION OF DISTRICT SURVEY REPORT

The main objective of the preparation of District Survey Report (as per the Sustainable Sand Mining Guideline) is to ensure the following:

Identification of areas 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:

7. Introduction :
Earth Quarry, Village: Chandankhunti (RI Circle: Ballam), Khata No: 07, Total Area: 4.848 hectors.
8. Overview of Mining Activity in the District:
- 3 The List of Mining Leases in the district with location, area and period of validity: **NA**
28. Details of Royalty or Revenue received in last three years: **NA**
29. Detail of Production of Sand or Bajari or minor mineral in last three years: **NA**
30. Process of Deposition of Sediments in the rivers of the District: **NA**
31. General Profile of the District: **NA**
32. Land Utilization Pattern in the district: Forest, **Agriculture**, Horticulture, Mining etc.
33. Physiography of the District: **NA**
34. Rainfall: month-wise : **NA**
35. Geology and Mineral wealth. **NA**

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

- (j) District wise detail of river or stream and other sand source.
- (k) District wise availability of sand or gravel or aggregate resources.
- (l) District wise detail of existing manning leases of sand and aggregates.

A survey shall be carried out by the DEIAA with the assistance of Geology Department or Irrigation Department or Forest Department or Public Works Department or Ground Water Boards or Remote Sensing Department or Mining Department .etc. 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 |
|--------|-------------------|-----------------------|--------------------------------|
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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 |
|--------|-----------------------------|--------------------------------------|-----------------|--------------------|
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| 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 ton) (60% of total mineral potential) |
|---|--|--|---|---|
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Mineral Potential

| Boulder (MT) | Bajari (MT) | Sand (MT) | Total Mineable Mineral Potential (MT) |
|--------------|-------------|-----------|---------------------------------------|
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Annual Deposition

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| S.N o. | River or Stream | 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 ton) (60% of total mineral potential) |
|--------|-----------------|---|--|--|---|---|
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Recommended for this earth quarry is feasible for operation

abhinav calb
 Executive Engineer 04/12/18
 M.I. Division, Deogarh

Recommended By

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Identification of areas 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 :
Earth Quarry, Village: Ballam-I (RI Circle), Khata: 332/299: Total Area: 4.620 hectores
2. Overview of Mining Activity in the District:
3. The List of Mining Leases in the district with location, area and period of validity: **NA**
4. Details of Royalty or Revenue received in last three years: **NA**
5. Detail of Production of Sand or Bajari or minor mineral in last three years: **NA**
6. Process of Deposition of Sediments in the rivers of the District: **NA**
7. General Profile of the District: **NA**
8. Land Utilization Pattern in the district: Forest, **Agriculture**, Horticulture, Mining etc.
9. Physiography of the District: **NA**
10. Rainfall: month-wise : **NA**
11. Geology and Mineral wealth. **NA**

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 or aggregate resources.
- (c) District wise detail of existing mining leases of sand and aggregates.

A survey shall be carried out by the DEIAA with the assistance of Geology Department or Irrigation Department or Forest Department or Public Works Department or Ground Water Boards or Remote Sensing Department or Mining Department .etc. 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 |
|--------|-------------------|-----------------------|--------------------------------|
| | | | |
| | | | |

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 |
|--------|-----------------------------|--------------------------------------|-----------------|--------------------|
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| 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 ton) (60% of total mineral potential) |
|---|--|--|---|---|
| | | | | |

Mineral Potential

| Boulder (MT) | Bajari (MT) | Sand (MT) | Total Mineable Mineral Potential (MT) |
|--------------|-------------|-----------|---------------------------------------|
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Annual Deposition

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| S.No. | River or Stream | 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 ton) (60% of total mineral potential) |
|-------|-----------------|---|--|--|---|---|
| | | | | | | |

Recommended for this earth quarry is feasible for operation


 Executive Engineer
 M.L. Division, Deogarh 12/18

Recommended By

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Identification of areas 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:

3. Introduction :
Earth Quarry, Village: Rajamunda & Thianal (RI Circle: Gurusang), Village Thianal, Khata No : 32/67, Village Rajamunda: Khata No: 24: Total Area: 4.388 hectares.
4. Overview of Mining Activity in the District:
 3 The List of Mining Leases in the district with location, area and period of validity: **NA**
12. Details of Royalty or Revenue received in last three years: **NA**
13. Detail of Production of Sand or Bajari or minor mineral in last three years: **NA**
14. Process of Deposition of Sediments in the rivers of the District: **NA**
15. General Profile of the District: **NA**
16. Land Utilization Pattern in the district: Forest, **Agriculture**, Horticulture, Mining etc.
17. Physiography of the District: **NA**
18. Rainfall: month-wise : **NA**
19. Geology and Mineral wealth. **NA**

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

- (d) District wise detail of river or stream and other sand source.
- (e) District wise availability of sand or gravel or aggregate resources.
- (f) District wise detail of existing mining leases of sand and aggregates.

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Drainage system with description of main rivers

| S. No. | Name Of The River | Area drained (Sq. Km) | % Area drained in the District |
|--------|-------------------|-----------------------|--------------------------------|
| | | | |
| | | | |
| | | | |

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 |
|--------|-----------------------------|--------------------------------------|-----------------|--------------------|
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| 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 ton) (60% of total mineral potential) |
|---|--|--|---|---|
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Mineral Potential

| Boulder (MT) | Bajari (MT) | Sand (MT) | Total Mineable Mineral Potential (MT) |
|--------------|-------------|-----------|---------------------------------------|
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Annual Deposition

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|--|--|--|--|
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Recommended for this earth quarry is feasible for operation

Abinudh
 Executive Engineer
 M.I. Division, Deogarh

Recommended By

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Identification of areas 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:

5. Introduction :
Earth Quarry, Village: Ballam-II (RI Circle: Ballam), Khata No: 142,324, Total Area: 3.820 hectors.
6. Overview of Mining Activity in the District:
- 3 The List of Mining Leases in the district with location, area and period of validity: **NA**
20. Details of Royalty or Revenue received in last three years: **NA**
21. Detail of Production of Sand or Bajari or minor mineral in last three years: **NA**
22. Process of Deposition of Sediments in the rivers of the District: **NA**
23. General Profile of the District: **NA**
24. Land Utilization Pattern in the district: Forest, **Agriculture**, Horticulture, Mining etc.
25. Physiography of the District: **NA**
26. Rainfall: month-wise : **NA**
27. Geology and Mineral wealth. **NA**

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

- (g) District wise detail of river or stream and other sand source.
- (h) District wise availability of sand or gravel or aggregate resources.
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A survey shall be carried out by the DEIAA with the assistance of Geology Department or Irrigation Department or Forest Department or Public Works Department or Ground Water Boards or Remote Sensing Department or Mining Department .etc. 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 |
|--------|-------------------|-----------------------|--------------------------------|
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| | | | |

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 |
|--------|-----------------------------|--------------------------------------|-----------------|--------------------|
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| 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 ton) (60% of total mineral potential) |
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Mineral Potential

| Boulder (MT) | Bajari (MT) | Sand (MT) | Total Mineable Mineral Potential (MT) |
|--------------|-------------|-----------|---------------------------------------|
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Annual Deposition

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| S.No. | River or Stream | 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 ton) (60% of total mineral potential) |
|-------|-----------------|---|--|--|---|---|
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Recommended for this earth quarry is feasible for operation


 Executive Engineer
 M.I. Division, Deogarh
 4/12/18

Recommended By