

कार्यालय जिला कलक्टर, बीकानेर



क्रमांक:सीबी/सामा/एनजीटी/वेटलेण्ड-351-2019/10699 दिनांक: 31.05.2022

निदेशक एवं संयुक्त शासन सचिव
पर्यावरण एवं जलवायु परिवर्तन विभाग,
राज.सरकार, जयपुर।

विषय:- वेटलेण्ड की अधिसूचना के प्रस्ताव निर्धारित प्रारूप में भिजवाने के संबंध में।

प्रसंग:- आपका पत्र क्रमांक प.6(3)पर्या/2021 जयपुर दिनांक 30.05.2022

महोदय,

उक्त विषयान्तर्गत श्रीमान् के प्रासंगिक पत्र के क्रम में निवेदन है कि उपवन संरक्षक, बीकानेर ने पत्र क्रमांक एफ.()/विकास/उवसंबी/2022-23/2555 दिनांक 25.05.2022 द्वारा माननीय राष्ट्रीय ग्रीन ट्रिब्यूनल के ओ.ए. नम्बर 351/2019 में प्रदत्त निर्देशों की पालना में बीकानेर जिले के Proposals for Notification of Wetlands and Preparation of Management Plan for the Identified Wetland In District प्रस्तुत किया है।

जिले में वन मण्डल उपवन संरक्षक, बीकानेर के तहत लूणकरणसर रेंज में लूणकरणसर सॉल्ट लेक, तहसील लूणकरणसर, जिला बीकानेर एवं कोलायत रेंज के तहत लाखोलाई तालाब, दियातरा, तहसील कोलायत, जिला बीकानेर के प्रस्ताव प्रस्तुत किये हैं। प्राप्त प्रस्ताव मूल ही आगामी आवश्यक कार्यवाही हेतु प्रस्तुत है।

संलग्न:-उपरोक्तानुसार।

Ranvirat
10/6/22
3/6/22

भवदीय

पंकज शर्मा

(पंकज शर्मा)

प्रभारी अधिकारी, सामान्य शाखा
एवं अति.जिला कलक्टर (नगर) बीकानेर

क्रमांक:सीबी/सामा/एनजीटी/वेटलेण्ड-351-2019/

दिनांक: .05.2022

प्रतिलिपि-

उप वन संरक्षक, बीकानेर को उनके उक्त पत्र के क्रम में सूचनार्थ।

हो

प्रभारी अधिकारी, सामान्य शाखा
एवं अति.जिला कलक्टर (नगर) बीकानेर

कार्यालय उप वन संरक्षक, बीकानेर

क्रमांक:- एफ()विकास/उदसंबी/2022-23/2555

दिनांक- 25/5/22

निमित्त:-

जिला कलक्टर
बीकानेर

विषय:- Submission of Proposals for notification of wetlands and preparation of Management Plan for the Identified Wetland in District.

संदर्भ:- आपका पत्रांक सीबी/सामान्य/एनजीटी/351-2019/2021/10585 दिनांक 30.06.2021

महोदय,

उपरोक्त विषयान्तर्गत संदर्भित पत्र के क्रम में निवेदन है कि माननीय राष्ट्रीय ग्रीन ट्रिब्यूनल के ओ.ए नम्बर 351/2019 में प्रदत्त निर्देशों की पालना में बीकानेर जिले में वैटलेण्ड के प्रस्ताव तैयार कर निम्नानुसार संलग्न प्रेषित है :-

| क्र.सं | नाम वन मण्डल | नाम रेंज | वैटलेण्ड का नाम | विशेष विवरण |
|--------|------------------------|------------|------------------------|-------------|
| 1. | उप वन संरक्षक, बीकानेर | लूनकरणसर | लूनकरणसर साल्ट लेक | |
| 2. | --- | श्रीकोलायत | लाखोलाई तालाब, दियातरा | |

संलग्न- उपरोक्तानुसार

भवदीय

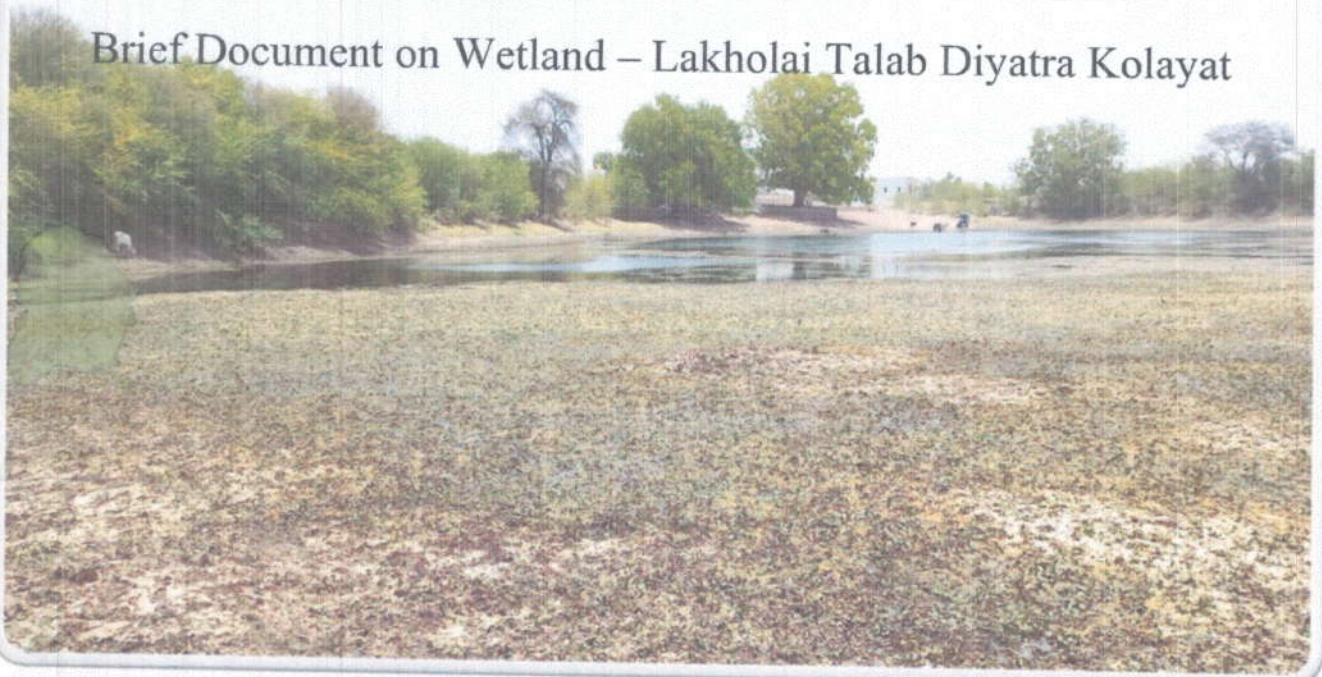
(रंगास्वामी ई, IFS)

उप वन संरक्षक
बीकानेर

per / aen.
26/5/22

Proposal for Notification of Wetland

Brief Document on Wetland – Lakholai Talab Diyatra Kolayat



LAKHOLAI TALAB, DIYATRA

Diyatra Closed Area in Bikaner is one of the most important sites for the Great Indian Bustard *Ardeotis nigriceps* in the Thar Desert (Rahmani 1986, 1997). In the early 1980s, there were 30-50 bustards in this area, but due to intensification of agriculture, overgrazing and poaching, the number has perhaps halved. The site used to be the hunting reserve of the Maharaja of Bikaner for Great Indian Bustard. The site is situated approximately 65 km southwest of Bikaner along the National Highway to Jaisalmer. Various departments of the Rajasthan Government have established pasture enclosures at various periods of time but most of them are neglected and over-run by livestock. If properly protected. These grassland enclosures would have provided undisturbed breeding areas to the Great Indian Bustard. However, now these enclosures are mainly used by Chinkara *Gazella bannettii*, and Nilgai *Boselaphus tragocamelus*, and rarely by the Great Indian Bustard. Important Flora of Diyatra consists of *Zizyphus rotundifolia*, *Capparis decidua*, *Calotropis procera*, *Prosopis cineraria*, *Calligonum* sp., *Leptadenia pyrotechnica* and the grass *Cenchrus biflorus* (Satish K. Sharma pers. comm. 2003). The sandy zone, having low grasslands and scrub vegetation is dominated by *Zizyphus rotundifolia* and *Capparis decidua*.

Avifauna : Besides the Great Indian Bustard, Diyatra Closed Area is a regular wintering ground of the Houbara or Macqueen's Bustard *Chlamydotis macqueeni*. It is also one of the major strongholds of Stoliczka's Bushchat *Saxicola macrorhyncha*. During a survey in 1994, thirty six were sighted in one day in Diyatra area, especially near hadda, takla and niagaon (Rahmani 1996). Earlier, a lake near Diyatra Village used to be an important watering spot for the Imperial or Black-bellied Sandgrouse *Pterocles orientalis*. The Maharaja of Bikaner had built a hunting lodge beside the lake. This reinforced shallow lake is still present, but number of imperial

Sandgrouse has drastically decreased, some may have moved away as they get water in many other places due to irrigation by the Indira Gandhi Nahar Project (Rahmani 1997). The site lies in Biome-13 i.e., Saharo-Sindian Desert. Sharma (1986) was the first to report breeding of the Cream-coloured Courser *Cursorius Cursor* within Indian limits, from Diyatra region when he saw small chicks in February. Later, this species was found breeding in the Desert National Park (an IBA) (Rahmani and Manakadan 1989). In winter, vast flocks of Bimaculated Lark *Melanocorypha bimaculata*, Greater Short-toed Lark *Calandrella brachydactyla*, Lesser Short-toed Lark *C. rufescens* and some Hume's Short-toed Lark *C. acutirostris* are seen. In the extant grasslands, Short-eared Owl *Asio flammeus* are often seen, sometimes 15-20 roosting in few square metres area. The Near Threatened Cinereous Vulture *Aegypius monachus* is frequently seen, along with other vultures.

Fauna: Other fauna of Diyatra includes Chinkara, Red Fox *Vulpes*, Desert Monitor *Varanus griseus*, and Spiny-tailed Lizard *Uromastyx hardwickii*. Nilgai or Bluebul which was not present earlier is now increasingly seen, thanks to availability of water and irrigation facilities due to the Indira Gandhi Nahar project.

Format for preparing Brief Document

State / Union Territory: Rajasthan

Name and address of person(s) compiling this information:

Section 1: Identification, Location and Jurisdiction

- 1.1 Name of the Wetland (Alternative names, including in local language should be given in parenthesis after official name) **Lakholai Talab, Diyatra**
- 1.2 Name of the Village(s) , Tehsil(s), Municipal area (s) : **Diyatra, Kolayat (Bikaner)**
- 1.3 Name of the District(s) in which wetland complex is located : **Bikaner**
- 1.4 Geographical coordinates (Latitude and Longitude, to degree, minutes and second)
Latitude: N 28.496285 to N 28.50649
Longitude: From E 73.740738 to E 73.734748
- 1.5 Name of the Department / Agency which has jurisdiction over the wetland / wetlands complex : **Revenue department**

Section 2: Site Characteristics

- 2.1 Area of wetland / wetlands category (ha) **4.55 ha**
- 2.2 Wetland type (Please tick appropriate categories and sub-categories)
 - ✓ Natural (Inland): Seasonal/ intermittent lakes
 - ✓ Human-made : salt pa n
- 2.3 Depth (m) Average **3.05** Maximum **5.48 mtr**
- 2.4 Elevation (m above mean sea level) : **217 Mtr**
- 2.5 Water regimes
 - a. Main source of water (tick all applicable) :- **Catchment runoff**
 - b. Water permanence :- **Mostly permanent**
 - c. Destination of water from wetland :- **Feeds groundwater**
 - d. Water pH :- **Circumneutral (5.5 - 7.4)**
 - e. Water salinity :- **Fresh (<0.5 g/l)**
 - f. Nutrient in water :- **Mesotrophic**
- 2.6 Climatic setting :-
 - a) Annual Rainfall /Snowfall(mm) 241 mm
 - b) Temperature (°C) :- **Minimum 14.05 (Jan)** Maximum 35.3 (Jun)
 - c) Humidity (%) :- Minimum 25 Maximum 61
- 2.7 Area of zone of influence (in ha) the guidelines on wetlands] :- **165.25 ha**
- 2.8 Major land use within zone of influence (provide as approximate % of catchment area)

Forests - _____ %

| | | |
|---------------------|-----|---|
| Plantation | 80% | |
| Agriculture | 20 | % |
| Settlements (Rural) | - | % |
| Settlements (Urban) | - | % |
| Industrial | - | % |

2.9 Map of wetland complex and zone of influence (To be enclosed as Annex I and II to this proposal) :-

Section 3: Biodiversity

3.1 Notable plant species present in wetland :- *Zizyphus retundifolia*, *capparis decidua*, *calotropis procera*, *prosopis cineraria*, *calligonum sp.*, *leptadenia pyrotechnica*, *cenchrus biflorus*

3.2 Notable animal species present in wetland :- (*Asio flammeus*), Houbara or macqueen's bustard (*chlamydotis macqueeni*) *stoliczka buscpat* (*saxicola macrohyncha*) short eared owl, (imperial or Black-bellied sandgrouse (*pterocles orientalis*), bimaculated lark (*melanotocorypha binaculata*), short lark (*calandrella brachydactyla*), short toed lark (*C. rufescens*), Hume's short toed lark

3.3 Species of conservation significance (rare, endangered, threatened, endemic species) :- Great Indian Bustard (*ardeotis nigricaps*) imperial sandgrouse cinereous vulture (*aegypius monachus*), cream colored courser (*cursorius cursor*).

3.4 Major plant invasive alien species :- **Prosopis Juliflora**

3.5 Major animal invasive alien species :- **Nilgai or Bluebul**

Section 4: Ecosystem services

| Importance | Relevant for the site (please tick yes or no) | If Yes, Details (upto 50 words for each category) |
|---|---|---|
| Source of drinking water for people living and around | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Source of water for agriculture | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Fisheries | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Cultivation of aquatic food plants | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| For buffalo wallowing and use of domesticated animals | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Medicinal plants | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Is a recreational site | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |

| | | | |
|--|---|--|--|
| Buffering communities from extreme events as floods and storms | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Groundwater recharge | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | It is an old Salt Lake |
| Water purification | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Acts as a sink for sediments | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Has significant cultural and religious values | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Is a site for recreation and tourism | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Supports noteworthy plants species | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Supports noteworthy animal species | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Site of high congregation of migratory water birds | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Yes |
| Supports life cycle of fish or amphibians | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Migratory Birds ecological balance min thin food |
| Mining | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Any other, please list | | | |

Section 5: Pre-Existing Rights and Privileges

| Nature of right and privilege | Relevant for the site (please tick yes or no) | Does this negatively impact the wetland's ecological health? | Brief description (upto 50 words for each category) |
|--|---|--|---|
| Community Fishing (without any lease or permission from government department) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Fishing under lease from government department | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Harvest of plants (without any lease or permission from government department) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |

| | | | |
|--|---|--|---|
| Harvest of plants under lease from government department | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Agriculture or horticulture within wetland | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | In buffer/limited Zone horticultural & medical plantation will help locals social-economically |
| Grazing | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | In limited area it will be useful for chinkara etc. |
| Religious practices | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | Sant Datatra Mela, Teej Mela, Narayan Guru Mela organized |
| Withdrawal of water for domestic use | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | At outside of the reservoir withdrawal of water from a new built GLR will be allowed without disturbing wetland area. |
| Withdrawal of water for agriculture or fisheries | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Bathing or wallowing of domestic animals | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Plying of boats | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Any other, please list here | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not assessed | - |

Section 6: Present and Potential Threats

| Threat | Degree | Present or Potential | Additional information, if any |
|-------------------------------------|---|--|--------------------------------|
| Changes in water inflow and outflow | High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> | <input type="checkbox"/> <input checked="" type="checkbox"/> Present <input type="checkbox"/> Potential | - |
| Pollution | High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> | <input type="checkbox"/> <input checked="" type="checkbox"/> Present <input type="checkbox"/> Potential | - |

| | | | |
|---|------------------|---|---|
| Unsustainable harvest of biological resources | High Medium ✓Low | <input type="checkbox"/> ✓Present <input type="checkbox"/> Potential | - |
| Mining | High Medium ✓Low | <input type="checkbox"/> ✓Present <input type="checkbox"/> Potential | - |
| Siltation | High ✓Medium Low | <input type="checkbox"/> ✓Present <input type="checkbox"/> Potential | To prevent siltation widening of feeder, stone pitching and deepening of pond recommended |
| Encroachment | High Medium ✓Low | <input type="checkbox"/> ✓Present <input type="checkbox"/> Potential | |
| Spread of invasive species | High ✓Medium Low | <input type="checkbox"/> ✓Present <input type="checkbox"/> Potential | Abolition of prosopis juliflora recommended |
| Any other, please list | High Medium Low | <input type="checkbox"/> Present <input type="checkbox"/> Potential | |

Section 7: Activities Proposed to be Prohibited (other than those listed in Rule 4(2) of Wetland Rules and Regulated

| Activity | Whether prohibited or regulated | Regulation within wetlands or zone of influence | If regulated, indicate the level of regulation (in terms of people, restricted area or any other) | Name of department / agency responsible for regulation / prohibition | Additional information, if any |
|--|---------------------------------|--|---|--|--------------------------------|
| Withdrawal of water/impoundment/diversion or any other hydrological intervention | Regulated | <input type="checkbox"/> Wetland/Wetlands complex boundary | At outside of the reservoir withdrawal of water from a new built GLR will be allowed without disturbing wetland area. | Rural Department | - |
| Harvesting of resources (living / non-living) | Regulated | <input type="checkbox"/> Zone of influence | Fruit & medicinal plantation (Limited area) | Rural Department Ayurvedic department | -- |

| | | | | | |
|---|------------|--|--|---|---|
| Grazing | Regulated | <input type="checkbox"/> Zone of influence | Selected area for pasture development | Rural Department - | - |
| Discharge of treated sewage/effluent/wastewater | Prohibited | <input type="checkbox"/> Zone of influence | | Rural Department | - |
| Construction of boat jetties, and facilities for temporary use, as pontoon bridges | Regulated | <input type="checkbox"/> Wetland / Wetlands complex boundary | on occasion of festivals & tourism purpose | Rural Department and tourism department | - |
| Aquaculture, agriculture and horticulture activities within the wetland boundaries. | Regulated | <input type="checkbox"/> Zone of influence | | Rural Department | - |
| Any other, please list | | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | | - | - |

Section 8: Activities Proposed to be permitted

| Activity | Place a tick mark if relevant | Within wetlands or zone of influence | Additional information, if any |
|-------------------------|-------------------------------|--|--|
| Pasture Development | <input type="checkbox"/> | <input type="checkbox"/> Zone of influence | Must for Chinkara etc. |
| Horticulture Plantation | <input type="checkbox"/> | <input type="checkbox"/> Zone of influence | In buffer/limited Zone, horticultural will help locals social-economically |
| Medicinal Plantation | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | In buffer/limited Zone, horticultural will help locals social-economically |
| Eco Park | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary | To develop sense of ownership & tourism, walking track & park is recommended |
| Tourism | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary | |

| | | | |
|----------------|--------------------------|--|---|
| Religious Mela | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | Sant Datatra Mela, Teej Mela, Narayan Guru Mela organized |
| Jetties | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | |

Section 9: Listing of Available Scientific Resources Used

CHECKLIST

- ☐ Responsible agency has been clearly identified and details of contact person included
- ☐ Wetland/ wetlands complex boundary has been delineated using GIS and firmed up by adequate ground truthing
- ☐ Wetland/ wetlands complex map has been provided at required scale
- ☐ Zone of influence has been delineated and included in wetland map or a separate map
- ☐ Wetland zone of influence is sufficient to manage all activities
- ☐ Site's importance have been listed, and for major categories, justification is provided
- ☐ Site's biodiversity values are listed, and for major categories, justification is provided
- ☐ List of pre-existing rights and privileges is provided
- ☐ Consistency or inconsistency of pre-existing rights and privileges is indicated to be best of available knowledge
- ☐ Threats to site are listed, and for major categories details are provided
- ☐ Activities prohibited, other than those listed in Rule 4(2) have been mentioned
- ☐ List of activities to be regulated within wetlands and zone of influence is provided
- ☐ List of activities to be permitted is provided

Annex 3: Format for draft notification for LAKHOLAI TALAB, DIYATRA (BIKANER) wetlands under Wetlands (Conservation and Management) Rules, 2017

Government of [State / Union Territory / India]

[Date]

S.O.____The draft of the notification, which the Collector, Bikaner proposes to issue in exercise of the powers conferred under rule 7 of the Wetlands (Conservation and Management) Rules 2017 read with Environment (Protection) Act, 1986 (29 of 1986), is hereby published for the information of the persons likely to be concerned or affected thereby; and notice is hereby given that the said draft notification shall be taken into consideration on or after the expiry of a period of sixty days from the date on which copies of the Gazette of containing this notification are made available to the public;

Any person interested in making any objection or suggestion on the proposals contained in the draft notification may forward the same in writing, for consideration of the [State Government / UT Administration / MoEFCC, GoI], within the period so specified to the [insert designation and address], or at email address,.....

Draft Notification

1. WHEREAS, the **LAKHOLAI TALAB, DIYATRA** wetland / wetland complex, situated in **Diyatra, Kolayat (Bikaner) village(s), tehsil (Bikaner), district(s)** of state of Rajasthan, is considered to be critically significant for its ecosystem services and biodiversity values for the local communities and society at large;
2. AND WHEREAS, it is considered that for sustaining these values, the ecological character of wetland ecosystem needs to be maintained by regulating developmental activities within the wetland as well as within its zone of influence;
3. NOW THEREFORE, the [State Government, UT Administration / Government of India] declares that the said wetlands shall be covered under the provisions of Wetlands (Conservation and Management) Rules, 2017.
4. The extent of the wetland /wetland complex and its zone of influence is described in Schedule I of this notification;
5. Activities prohibited within the wetland and its zone of influence are listed in Schedule II of this notification. Such prohibitions shall not apply for areas designated under other Acts and Rules, and listed at para 1.2 (a), (b) and (c) of Schedule I. Relevant provisions of respective Acts and Rules shall apply in such areas.
6. Activities regulated within the wetland and its zone of influence, i.e. permitted only with permission of [State Government, UT Administration / Government of India] are listed in Schedule III of this notification. Request for permissions can be made to the [Designation, contact address and email]. Such regulations shall not apply for areas designated under other Acts and Rules, and listed at para 1.2 a), b) and c) of Schedule I. Relevant provisions of respective Acts and Rules shall apply in such areas.
7. Activities permitted within the wetland and its zone of influence are listed in Schedule IV of this notification. Such permissions however shall not apply for areas designated under

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other Acts and Rules, and listed at para 1.2 (a), (b) and (c) of Schedule 1. Relevant provisions of respective Acts and Rules shall apply in such areas.

8. The [State / UT Wetlands Authority] and the Ministry of Environment, Forest and Climate Change shall monitor the enforcement of the provisions of this notification.

By order

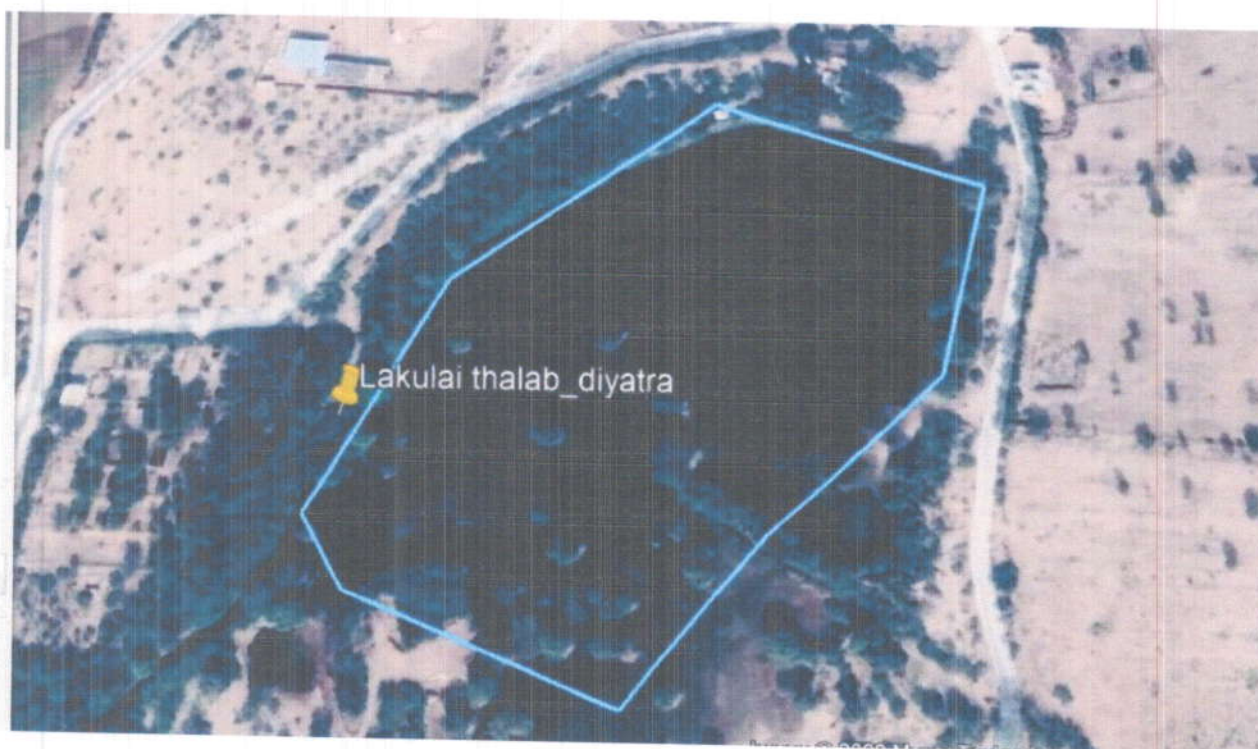
Schedule 1: Location and Extent of Wetland / Wetlands Complex and its Zone of Influence

1.1 Wetland / wetlands complex

The wetland / wetlands complex, as delineated, extends within an area of **4.55 ha** within the geographical coordinates as under:

| Extremity | North | South | West | East |
|-----------|----------------|----------------|----------------|----------------|
| Latitude | 27°46'59.72" N | 27°46'53.57" N | 27°46'54.74" N | 27°46'55.96" N |
| Longitude | 72°48'57.28" E | 72°48'57.57" E | 72°48'50.91" E | 72°49'1.06" E |

The map of wetland / wetlands complex boundary is at Map 1(a). & ANNEXURES-1



1.2 Boundary of area already designated under provisions of other Acts and Rules

The wetland / wetland complex boundary includes an area ofNil..... ha designated under other Acts and Rules, with the geographical coordinates as under:

1.2 (a) Area designated under Indian Forest Act, 1927; Forest (Conservation) Act, 1980; State Forest Acts and amendments thereof :- NIL

| Extremity | North | South | West | East |
|-----------|-------|-------|------|------|
| Latitude | NIL | NIL | NIL | NIL |
| Longitude | NIL | NIL | NIL | NIL |

1.2 (b) Area designated under Wildlife (Protection) Act, 1972 and amendments thereof :- NIL

| Extremity | North | South | West | East |
|-----------|-------|-------|------|------|
| Latitude | NIL | NIL | NIL | NIL |
| Longitude | NIL | NIL | NIL | NIL |

1.2 (c) Area designated under the Coastal Regulation Zone Notification, 2011 and amendments thereof :- NIL

| Extremity | North | South | West | East |
|-----------|-------|-------|------|------|
| Latitude | NIL | NIL | NIL | NIL |
| Longitude | NIL | NIL | NIL | NIL |

The above areas should be clearly demarcated on the map of wetland / wetlands complex boundary i.e. Map 1(a).

1.3 Zone of influence

The geographical coordinates of the zone of influence span an area of **165.25 ha** within the geographical coordinates as under:

| Extremity | North | South | West | East |
|-----------|----------------|----------------|----------------|----------------|
| Latitude | 27°46'53.18" N | 27°45'32.79" N | 27°45'37.81" N | 27°46'11.33" N |
| Longitude | 72°48'51.41" E | 72°48'52.81" E | 72°48'30.87" E | 72°49'24.21" E |

The map of zone of influence of the wetland is at Map 1(b).



1.4 List of revenue villages / municipal areas falling fully or partly within the wetland is as under:- **Diyatra**

1.5 List of revenue villages / municipal areas falling fully or partly within the zone of influence is as under:- **Diyatra**

Schedule II: List of activities prohibited within wetland/ wetlands complex boundary

- a) Conversion for non-wetland uses including encroachment of any kind;
- b) Setting up of any industry and expansion of existing industries;
- c) Manufacture or/and handling or/and storage or/and disposal of construction and demolition waste covered under the Construction and Demolition Waste Management Rules, 2016; hazardous substances covered under the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 or the Rules for Manufacture, Use, Import, Export and Storage of Hazardous Micro-organisms Genetically engineered organisms or cells, 1989 or the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008; electronic waste covered under the E-Waste (Management) Rules, 2016;
- d) Solid waste dumping;
- e) Discharge of untreated wastes and effluents from industries, cities, towns, villages and other human settlements;

- f) Any construction of a permanent nature except for boat jetties within fifty metres from the mean high flood level observed in the past ten years calculated from the date of commencement of these rules; and,
- g) Poaching.

Schedule III: List of activities regulated within the boundary of wetlands / wetlands complex and its zone of influence and for which prior approval of [State Government/ UT Administration/MoEF&CC] is required to be obtained

| Activity | Restrictions | |
|--|---|------------------------------|
| | Within the boundary of wetland / wetlands complex | Within the zone of influence |
| Withdrawal of Water/ impoundment/diversion or any other hydrological intervention | Within the boundary of wetland | Within the zone of influence |
| Harvesting of resources (living/ non-living) | Within the boundary of wetland | - |
| Grazing | Within the boundary of wetland | - |
| Discharge of treated sewage/effluent/ wastewater | Within the boundary of wetland | Within the zone of influence |
| Construction of boat jetties, and facilities for temporary use, as pontoon bridges | - | Within the zone of influence |
| Aquaculture, agriculture and horticulture activities within the wetland boundaries | Within the boundary of wetland | - |

Schedule IV: List of activities permitted within the boundary of wetlands / wetlands complex and its zone of influence

| Activity | Levels and types not requiring permission | |
|-------------------------|---|------------------------------|
| | Within the boundary of wetland / wetlands complex | Within the zone of influence |
| Pesture development | - | Within the zone of influence |
| Horticulture Plantation | - | Within the zone of influence |
| Medicinal Plantation | - | Within the zone of influence |
| Eco Park | Within the boundary of wetland | - |
| Tourism | - | Within the zone of influence |
| Religious mela | - | Within the zone of influence |
| Jetties | Within the boundary of wetland | - |

Proposal for Notification of Wetland

Brief Document on Wetland - Lunkaransar Salt Lake



LUNKARNASAR SALT LAKE

Lunkaransar is a town in the Bikaner district of Indian state of Rajasthan. Lunkaransar lake in Rajasthan is a **playa lake** formed **due to deflation**. Salt is called "Lun" in the local language. There once was a salt lake at this location. It is dry now only but seasonal filling of water made this lake to have oasis for many birds during winter. Lunkaransar is located on the Bikaner-Sri Ganganagar road (National Highway 62). It is famous for **peanut crop production**; therefore it is called Rajkot of Rajasthan. Its land and weather are suitable for oily crops. Jojoba plantation has been established. A Government olive oil refinery also been established. It is the first such refinery to be started in India. The industrial area in the village comprises Groundnut and Wheat auction during winter and Gram during summer. There are ground nut oil extracting mills in proximity to the agricultural produce market and commonly called as Dhan Mandi. Lunkaransar Salt Lake is earlier famous for salt production & migrant birds. Some of the **avifauna** we can observe some birds here like Northern Shoveler, Gadwall, Northern Pintail, domicile crane, painted stork, greater flemingoes, common crane, roof green winged teal, black winged stilt, little ringed plover, little grebe, egrets, sand piper, Egyptian vulture, European coot, Herons etc., and flora like Juliflor, Haloxylon, *Tamarix aphylla*,

Format for preparing Brief Document

State / Union Territory: **Rajasthan**

Name and address of person(s) compiling this information:

Section 1: Identification, Location and Jurisdiction

- 1.1 Name of the Wetland (Alternative names, including in local language should be given in parenthesis after official name)**Salt Lake Loonkaransar**
- 1.2 Name of the Village(s) , Tehsil(s), Municipal area (s) : **Loonkaransar, Bikaner**
- 1.3 Name of the District(s) in which wetland complex is located : **Bikaner**
- 1.4 Geographical coordinates (Latitude and Longitude, to degree, minutes and second)
Latitude: N 28.496285 to N 28.50649
Longitude: From E 73.740738 to E 73.734748
- 1.5 Name of the Department / Agency which has jurisdiction over the wetland / wetlands complex : **Revenue department**

Section 2: Site Characteristics

- 2.1 Area of wetland / wetlands category (ha) **96.69 ha**
- 2.2 Wetland type (Please tick appropriate categories and sub-categories)
 - ✓ Natural (Inland): **Seasonal/ intermittent lakes**
 - ✓ Human-made : **Salt pan**
- 2.3 Depth (m) Average **0.60 mtr** Maximum **1.50 mtr**
- 2.4 Elevation (m above mean sea level) : **188.2 + 5 Mtr**
- 2.5 Water regimes
 - a. Main source of water (tick all applicable) :- **Rainfall and Catchment runoff**
 - b. Water permanence :- **Mostly permanent**
 - c. Destination of water from wetland :- **Feeds groundwater**
 - d. Water pH :- **Alkaline (> 7.4)**
 - e. Water salinity :- **Euhaline (30- 40 g/l)**
 - f. Nutrient in water :- **Mesotrophic**
- 2.6 Climatic setting:-
 - a) Annual Rainfall /Snowfall(mm) **311.70 mm**
 - b) Temperature (°C) :- **Minimum -4 Maximum +50**
 - c) Humidity (%) :- Minimum___Maximum___
- 2.7 Area of zone of influence (in ha) the guidelines on wetlands: - **Apprx 260 ha**
- 2.8 Major land use within zone of influence (provide as approximate % of catchment area)

| | |
|---------------------|-----------|
| Forests | <u>0%</u> |
| Plantation | <u>0%</u> |
| Agriculture | 90 % |
| Settlements (Rural) | 05 % |
| Settlements (Urban) | 05% |
| Industrial | <u>0%</u> |

2.9 Map of wetland complex and zone of influence (To be enclosed as Annex I and II to this proposal) :- **Enclosed maps**

Section 3: Biodiversity

- 3.1 Notable plant species present in wetland: - *Prosopis*, *Haloxylon*, *Argemone mexicana*
- 3.2 Notable animal species present in wetland: - Majorly birds species present in the area
- 3.3 Species of conservation significance(rare, endangered, threatened, endemic species) :- Nil
- 3.4 Major plant invasive alien species:- Nil
- 3.5 Major animal invasive alien species :- Nil

Section 4: Ecosystem services

| Importance | Relevant for the site (please tick yes or no) | | If Yes, Details (upto 50 words for each category) |
|--|---|--|---|
| Source of drinking water for people living and around | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| Source of water for agriculture | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| Fisheries | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| Cultivation of aquatic food plants | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| For buffalo wallowing and use of domesticated animals | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| Medicinal plants | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| Is a recreational site | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| Buffering communities from extreme events as floods and storms | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Farmers and city dwellers |

| | | | |
|--|---|--|---|
| Groundwater recharge | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | It is an old Salt Lake |
| Water purification | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| Acts as a sink for sediments | <input type="checkbox"/> Yes | <input type="checkbox"/> No | - |
| Has significant cultural and religious values | <input type="checkbox"/> Yes | <input type="checkbox"/> No | - |
| Is a site for recreation and tourism | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| Supports noteworthy plants species | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| Supports noteworthy animal species | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | - |
| Site of high congregation of migratory water birds | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Yes |
| Supports life cycle of fish or amphibians | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Yes |
| Mining | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Earlier there was mining but now it was not there |
| Any other, please list | - | - | - |

Section 5: Pre-Existing Rights and Privileges

| Nature of right and privilege | Relevant for the site (please tick yes or no) | Does this negatively impact the wetland's ecological health? | Brief description (upto 50 words for each category) |
|--|---|--|---|
| Community Fishing (without any lease or permission from government department) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | There is no fishing happened |
| Fishing under lease from government department | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Harvest of plants (without any lease or permission from government department) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Harvest of plants under lease from government department | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |

| | | | |
|--|---|--|---|
| Agriculture or horticulture within wetland | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Grazing | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Religious practices | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Withdrawal of water for domestic use | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Withdrawal of water for agriculture or fisheries | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Bathing or wallowing of domestic animals | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Plying of boats | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not assessed | - |
| Any other, please list here | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not assessed | - |

Section 6: Present and Potential Threats

| Threat | Degree | Present or Potential | Additional information, if any |
|---|---|--|--------------------------------|
| Changes in water inflow and outflow | High Medium <input checked="" type="checkbox"/> Low | <input type="checkbox"/> Present <input type="checkbox"/> Potential | - |
| Pollution | High <input checked="" type="checkbox"/> Medium Low | <input type="checkbox"/> Present <input type="checkbox"/> Potential | - |
| Unsustainable harvest of biological resources | High Medium Low | <input type="checkbox"/> Present <input type="checkbox"/> Potential | - |
| Mining | High Medium Low | <input type="checkbox"/> Present <input type="checkbox"/> Potential | - |
| Siltation | High Medium <input checked="" type="checkbox"/> Low | <input type="checkbox"/> Present <input type="checkbox"/> Potential | - |
| Encroachment | High Medium <input checked="" type="checkbox"/> Low | <input type="checkbox"/> Present | - |

| | | | |
|----------------------------|---|--|---|
| | | <input type="checkbox"/> Potential | |
| Spread of invasive species | High Medium <input checked="" type="checkbox"/> Low | <input type="checkbox"/> Present <input type="checkbox"/> Potential | - |
| Any other, please list | High Medium Low | <input type="checkbox"/> Present <input type="checkbox"/> Potential | - |

Section 7: Activities Proposed to be Prohibited (other than those listed in Rule 4(2) of Wetland Rules and Regulated

| Activity | Whether prohibited or regulated | Regulation within wetlands or zone of influence | If regulated, indicate the level of regulation (in terms of people, restricted area or any other) | Name of department / agency responsible for regulation / prohibition | Additional information, if any |
|---|---------------------------------|--|---|--|--------------------------------|
| Withdrawal of water/ impoundment/diversion or any other hydrological intervention | Prohibited | <input type="checkbox"/> Wetland/ Wetlands complex boundary <input type="checkbox"/> Zone of influence | Water is not good to use day to day life and agriculture utilization | Revenue department | - |
| Harvesting of resources (living / non-living) | Prohibited | <input type="checkbox"/> Wetland/ Wetlands complex boundary <input type="checkbox"/> Zone of influence | There is no resources to harvest any living and non living resources | Revenue and forest department | - |
| Grazing | Prohibited | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | It is only salt lake there is no grass growth observed which can be used by cattle's | Revenue and forest department | - |
| Discharge of treated sewage/effluent/ wastewater | Regulated | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | Treated sewage water can be discharged into shallow areas to improve wetland | Revenue and Forest department | - |

| | | | | | |
|---|-----------|--|--|-------------------------------|---|
| | | influence | water level | | |
| Construction of boat jetties, and facilities for temporary use , as pontoon bridges | - | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | - | - | - |
| Aquaculture, agriculture and horticulture activities within the wetland boundaries. | Regulated | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | | | - |
| Any other, please list | Regulated | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | There is dumping of dead animals. It is required to put all dumping of animals on raised and fenced platform | Revenue and Forest department | - |

Section 8: Activities Proposed to be permitted

| Activity | Place a tick mark if relevant | Within wetlands or zone of influence | Additional information, if any |
|---------------|-------------------------------|--|--------------------------------|
| Ecotourism | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | - |
| Bird watching | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | - |
| Eco Trails | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | - |
| Camping | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary | - |

| | | | |
|-----------------------|--------------------------|--|---|
| | | <input type="checkbox"/> Zone of influence | |
| Pesture development | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | - |
| Water treatment plant | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | - |
| Eco park development | <input type="checkbox"/> | <input type="checkbox"/> Wetland / Wetlands complex boundary <input type="checkbox"/> Zone of influence | - |

Section 9: Listing of Available Scientific Resources Used

CHECKLIST

- ☐ Responsible agency has been clearly identified and details of contact person included
- ☐ Wetland/ wetlands complex boundary has been delineated using GIS and firmed up by adequate ground truthing
- ☐ Wetland/ wetlands complex map has been provided at required scale
- ☐ Zone of influence has been delineated and included in wetland map or a separate map
- ☐ Wetland zone of influence is sufficient to manage all activities
- ☐ Site's importance have been listed, and for major categories, justification is provided
- ☐ Site's biodiversity values are listed, and for major categories, justification is provided
- ☐ List of pre-existing rights and privileges is provided
- ☐ Consistency or inconsistency of pre-existing rights and privileges is indicated to be best of available knowledge
- ☐ Threats to site are listed, and for major categories details are provided
- ☐ Activities prohibited, other than those listed in Rule 4(2) have been mentioned
- ☐ List of activities to be regulated within wetlands and zone of influence is provided
- ☐ List of activities to be permitted is provided

7. Activities permitted within the wetland and its zone of influence are listed in Schedule IV of this notification. Such permissions however shall not apply for areas designated under other Acts and Rules, and listed at para 1.2 (a), (b) and (c) of Schedule 1. Relevant provisions of respective Acts and Rules shall apply in such areas.
8. The [State / UT Wetlands Authority] and the Ministry of Environment, Forest and Climate Change shall monitor the enforcement of the provisions of this notification.

By order

.....

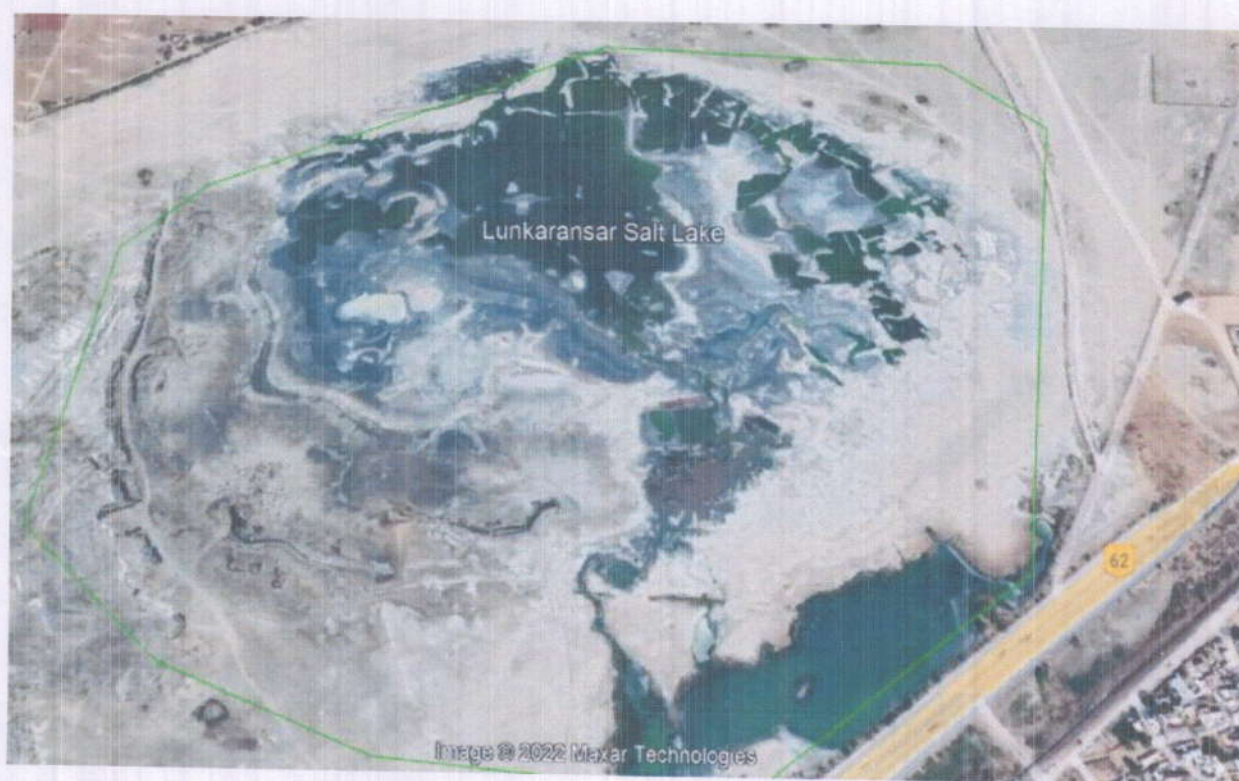
Schedule 1: Location and Extent of Wetland / Wetlands Complex and its Zone of Influence

1.1 Wetland / wetlands complex

The wetland / wetlands complex, as delineated, extends within an area of **96.69 .ha** within the geographical coordinates as under:

| Extremity | North | South | West | East |
|-----------|----------------|----------------|----------------|----------------|
| Latitude | 28°30'12.76" N | 28°30'04.72" N | 28°30'20.43" N | 28°30'00.13" N |
| Longitude | 73°44'55.56" E | 73°44'26.12" E | 73°44'31.09" E | 73°44'47.69" E |

The map of wetland / wetlands complex boundary is at Map 1(a). (Green lines) & ANNEXURES -1



1.2 Boundary of area already designated under provisions of other Acts and Rules

The wetland / wetland complex boundary includes an area ofnil..... ha designated under other Acts and Rules, with the geographical coordinates as under:

1.3 (a) Area designated under Indian Forest Act, 1927; Forest (Conservation) Act, 1980; State Forest Acts and amendments thereof

| Extremity | North | South | West | East |
|-----------|-------|-------|------|------|
| Latitude | nil | nil | nil | nil |
| Longitude | nil | nil | nil | nil |

1.2 (b) Area designated under Wildlife (Protection) Act, 1972 and amendments thereof

| Extremity | North | South | West | East |
|-----------|-------|-------|------|------|
| Latitude | Nil | Nil | Nil | Nil |
| Longitude | Nil | Nil | Nil | Nil |

1.2 (c) Area designated under the Coastal Regulation Zone Notification, 2011 and amendments thereof.

| Extremity | North | South | West | East |
|-----------|-------|-------|------|------|
| Latitude | Nil | Nil | Nil | Nil |
| Longitude | Nil | Nil | Nil | Nil |

1.4 Zone of influence

The geographical coordinates of the zone of influence span an area of **Aprox 260 ha** within the geographical coordinates as under:

| Extremity | North | South | West | East |
|-----------|-------|-------|------|------|
|-----------|-------|-------|------|------|

of Hazardous Chemical Rules, 1989 or the Rules for Manufacture, Use, Import, Export and Storage of Hazardous Micro-organisms Genetically engineered organisms or cells, 1989 or the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008; electronic waste covered under the E-Waste (Management) Rules, 2016;

- d) Solid waste dumping;
- e) Discharge of untreated wastes and effluents from industries, cities, towns, villages and other human settlements;
- f) Any construction of a permanent nature except for boat jetties within fifty metres from the mean high flood level observed in the past ten years calculated from the date of commencement of these rules; and,
- g) Poaching.

Schedule III: List of activities regulated within the boundary of wetlands / wetlands complex and its zone of influence and for which prior approval of [State Government/ UT Administration/MoEF&CC] is required to be obtained

| Activity | Restrictions | |
|--|---|------------------------------|
| | Within the boundary of wetland / wetlands complex | Within the zone of influence |
| Withdrawal of Water/ impoundment/diversion or any other hydrological intervention | Within the boundary of wetland | Within the zone of influence |
| Harvesting of resources (living/ non-living) | Within the boundary of wetland | - |
| Grazing | Within the boundary of wetland | - |
| Discharge of treated sewage/effluent/ wastewater | Within the boundary of wetland | Within the zone of influence |
| Construction of boat jetties, and facilities for temporary use, as pontoon bridges | - | Within the zone of influence |
| Aquaculture, agriculture and horticulture activities within the wetland boundaries | Within the boundary of wetland | - |

Schedule IV: List of activities permitted within the boundary of wetlands / wetlands complex and its zone of influence

| Activity | Levels and types not requiring permission | |
|---------------------------------------|---|------------------------------|
| | Within the boundary of wetland / wetlands complex | Within the zone of influence |
| Eco Park | Within the boundary of wetland | Within the zone of influence |
| Bird watching, camping and trailing | - | Within the zone of influence |
| Horticulture and Medicinal Plantation | - | Within the zone of influence |
| Pesture development | | |
| Ecotourism | - | Within the zone of influence |

Some of the photographs of Lunkaranasar salt lake



Fig 1: Area of salt lake in Lunkaranasar

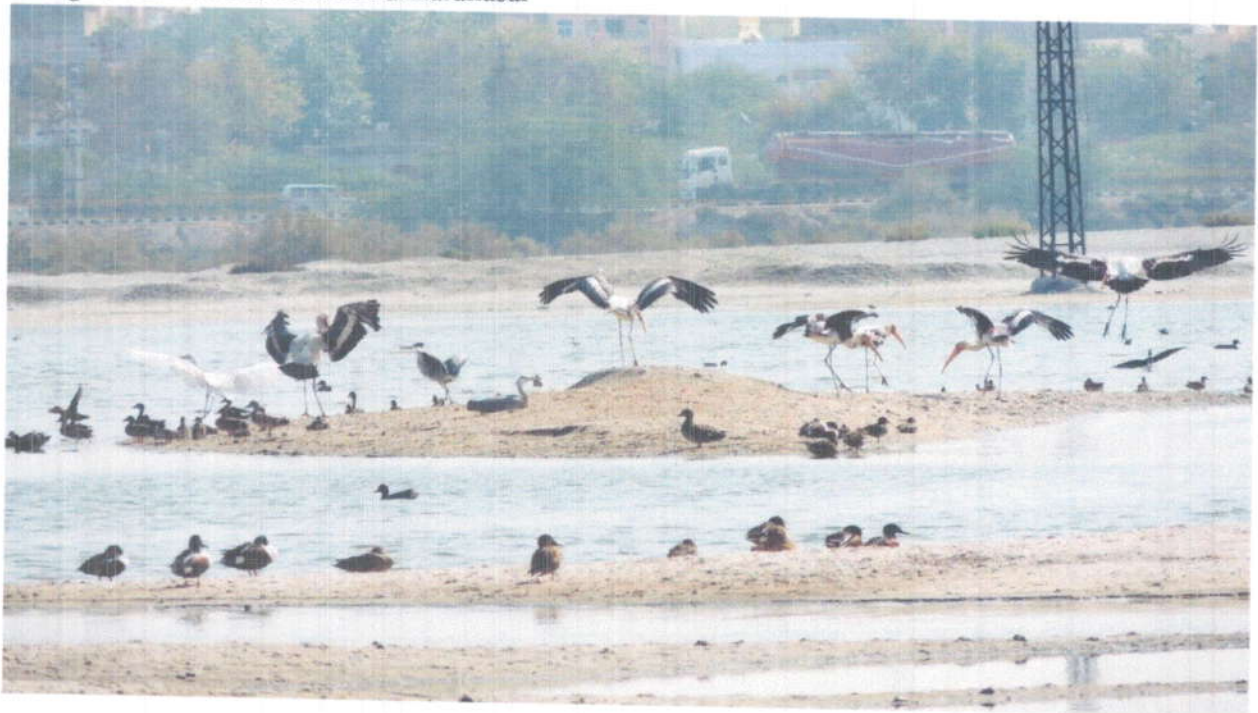


Fig 2: Mixture of Avifauna present in salt lake in winte



Fig 3: Flemingoes in salt lake in winter



Fig 4: Domicile crane in salt lake in winter

Annexures - 1

| जमावन्दी (खेबट/खतोनी) (प्रतिलिपि) | | फॉर्म पी-26 (सी) (रेविन्यू नियम 153 ए) | |
|--------------------------------------|--|--|-----|
| ग्राम का नाम :- 280-500 अर. ही. | | अंतिम बीमाता आधार मालिक :- 2076 - 2079 जमावन्दी 2078 (वर्ष 2021) में | |
| पटवार हल्का :- मुजफ्फरनगर | | भूमि भाग का नाम :- राज. सरकार | |
| भू. उपवि. वि. :- मुजफ्फरनगर | | क्षेत्रफल की ईकाई :- हेक्टेयर | |
| तहसील :- मुजफ्फरनगर | | खाता संख्या वगै :- 1 | |
| जिला :- सीताबेरी | | खाता संख्या पुराना :- 1 | |
| 5/1 | 0.0759 | अनकमाण्ड 0.0759 | नहर |
| 7/2 | 0.0506 | अनकमाण्ड 0.0506 | नहर |
| 8/1 | 0.0253 | अनकमाण्ड 0.0253 | नहर |
| 8/2 | 0.0759 | अनकमाण्ड 0.0759 | नहर |
| 10/2 | 0.0253 | अनकमाण्ड 0.0253 | नहर |
| 12/2 | 0.0506 | अनकमाण्ड 0.0506 | नहर |
| 13/1 | 0.0885 | अनकमाण्ड 0.0885 | नहर |
| 19/1 | 0.0506 | अनकमाण्ड 0.0506 | नहर |
| 20/2 | 0.0885 | अनकमाण्ड 0.0885 | नहर |
| 21/1 | 0.0632 | अनकमाण्ड 0.0632 | नहर |
| 21/2 | 0.0253 | अनकमाण्ड 0.0253 | नहर |
| कुल जिला : 14 | भूमि प्रकार के अनुसार क्षेत्रफल अनकमाण्ड 0.9885 0.00 | | |
| मु.स. 33/9 जिला : 1 | 0.0632 | अनकमाण्ड 0.0632 | नहर |
| कुल जिला : 1 | भूमि प्रकार के अनुसार क्षेत्रफल अनकमाण्ड 0.0632 0.00 | | |
| कुल जिला : 682 | भूमि प्रकार के अनुसार क्षेत्रफल अनकमाण्ड 79.8385 0.00 कमाण्ड 16.8552 0.00 | | |
| कुल कुल : 682 | 96.6937 | 96.6937 | |

यह प्रारंभ केवल शर्तों की जानकारी के लिए है।

इसका उपयोग किसी भी न्यायिक मामलों के रूप में नहीं किया जा सकता है।

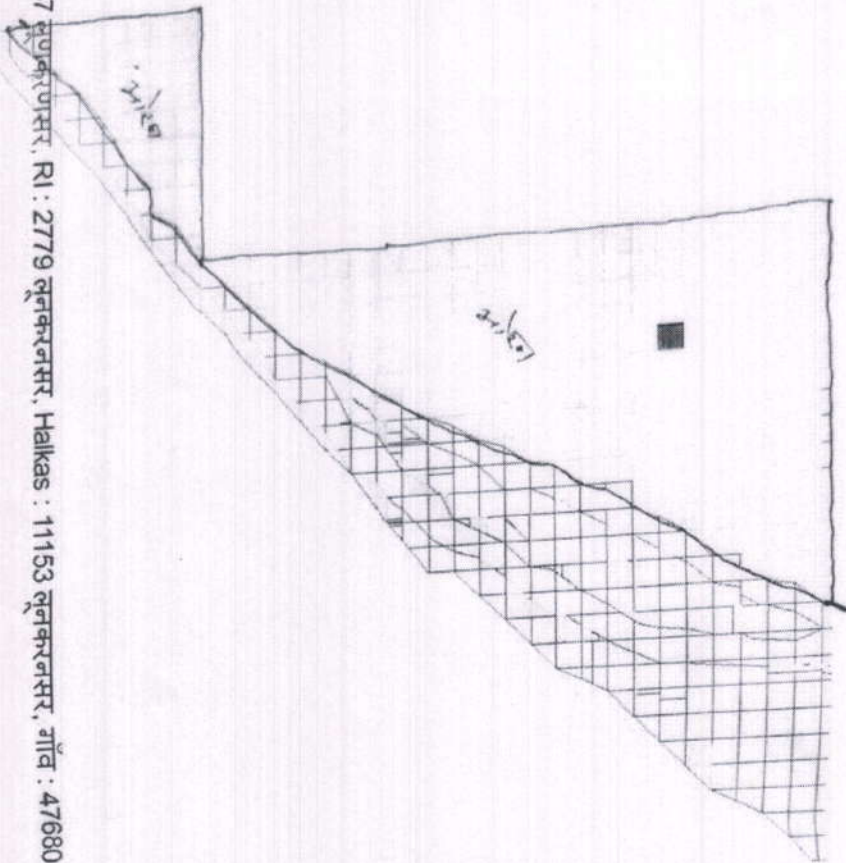
मकान जारी करने की तिथि :- 12-May-2022



V.S.
48/27

280-500 1/2
 280-500 1/2

जेर, तहसील : 257 लूणकरनासर, RI : 2779 लूणकरनासर, Halkas : 11153 लूणकरनासर, गाँव : 47680 280-500 आर.डी., Sheet No : 001

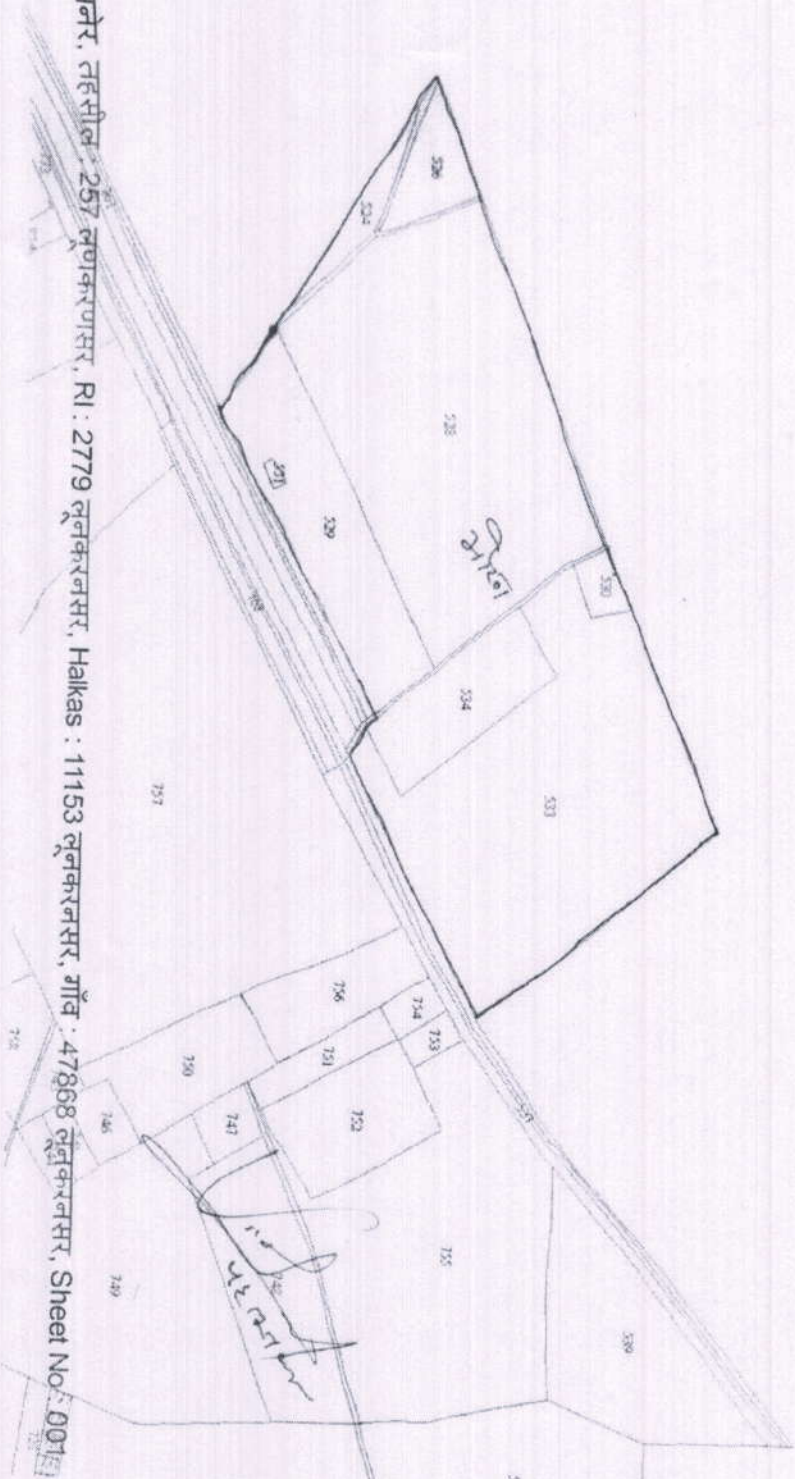


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nups77@univ.ch.raj.nic.in/#home-page



जगाबन्दी (खेबट/खतोनी) (पतिसिपि)

पपत्र पी-26 (सी)
(देखिये नियम 153 ए)सामान्य नाम : लूनकरनसर
घरदार हकदार : लूनकरनसर
मु. भूमि नि. : लूनकरनसर
लक्ष्मीज : लूनकरनसर
जिला : बीकानेरअंतिम चौकाला आधार सन्वत् - 2075 - 2078 जगाबन्दी 2078 (वर्ष 2021) से स्थायी
भूमि धारक का नाम : राज सरकार
क्षेत्रफल की ईकाई : हेक्टेयर
खाला संख्या नया : 669
खाला संख्या पुराना : 882

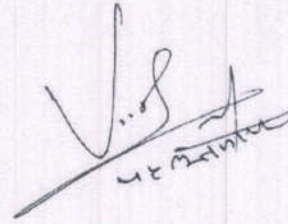
कारवाकर का नाम :

1. मंत्री विकास समिति हिरवा, पूर्ण संस्था के लिए अ. वि. बीकानेर मंत्री लूनकरनसर.

| खसरा संख्या | क्षेत्रफल | भूमि वर्गीकरण | क्षेत्रफल द्वारा संदिप्त लगात | सिंचाई के साधन | अन्तर्गत के क्रम से प्रमाणित नामान्तरकरण संख्या व दिनांक | टिप्पणी |
|---------------|-----------|------------------|--|----------------|---|---------|
| 1041 | 1.5200 | बारानी 2 | 1.5200 | 1.52 | | |
| 1042 | 153.1700 | गै.मु.मण्डी | 153.1700 | | | |
| 1043 | 18.2100 | बारानी 2 | 18.2100 | 18.21 | | |
| 1048 | 0.7600 | गै.मु.रास्ता | 0.7600 | | | |
| 1050 | 11.3800 | गै.मु.आमौर | 11.3800 | | | |
| 1053 | 13.0800 | गै.मु.मण्डी | 13.0800 | | | |
| 1092 | 0.2000 | गै.मु.रास्ता | 0.2000 | | | |
| 1094 | 0.0400 | गै.मु.मन्दिर | 0.0400 | | | |
| 1095 | 0.2700 | गै.मु.जोहड़ | 0.2700 | | | |
| 1096 | 0.5600 | गै.मु.जोहड़ | 0.5600 | | | |
| 1098 | 27.8300 | गै.मु.मण्डी | 27.8300 | | | |
| 1103 | 0.3400 | गै.मु.रास्ता | 0.3400 | | | |
| 523 | 4.2000 | गै.मु.रेल्वेलाइन | 4.2000 | | | |
| ✓ 529 | 12.9600 | गै.मु.ओरण | 12.9600 | | | |
| 531 | 0.1500 | गै.मु.लहसील | 0.1500 | | | |
| ✓ 534 | 6.1100 | गै.मु.ओरण | 6.1100 | | | |
| 540 | 0.2300 | गै.मु.रास्ता | 0.2300 | | | |
| 743 | 1.0100 | गै.मु.कश्मिस्तान | 1.0100 | | | |
| 744 | 0.7600 | गै.मु.रमशान | 0.7600 | | | |
| 745 | 0.7600 | गै.मु.रमशान | 0.7600 | | | |
| 746 | 1.5100 | गै.मु.मन्दिर | 1.5100 | | | |
| 747 | 1.2800 | गै.मु.आबादी | 1.2800 | | | |
| 750 | 5.7200 | गै.मु.कुड़ियां | 5.7200 | | | |
| 754 | 0.9300 | गै.मु.आबादी | 0.9300 | | | |
| 756 | 4.6100 | गै.मु.कुड़ियां | 4.6100 | | | |
| 758 | 2.7800 | गै.मु.कश्मिस्तान | 2.7800 | | | |
| 759 | 13.9900 | गै.मु.ओरण | 13.9900 | | | |
| 761 | 3.4200 | गै.मु.रमशान | 3.4200 | | | |
| 762 | 0.5600 | गै.मु.बावडी | 0.5600 | | | |
| 763 | 0.4100 | गै.मु.बावडी | 0.4100 | | | |
| 765 | 17.6800 | गै.मु.आबादी | 17.6800 | | | |
| 767 | 3.4300 | गै.मु.रेल्वेलाइन | 3.4300 | | | |
| 769 | 1.8600 | गै.मु.रेल्वेलाइन | 1.8600 | | | |
| 772 | 1.4400 | गै.मु.रेल्वेलाइन | 1.4400 | | | |
| 774 | 4.5500 | गै.मु.रेल्वेलाइन | 4.5500 | | | |
| 877 | 0.0100 | बारानी 2 | 0.0100 | 0.01 | | |
| 878 | 0.5000 | गै.मु.रास्ता | 0.5000 | | | |
| 881 | 4.0500 | गै.मु.स्कूल | 4.0500 | | | |
| 882 | 77.7900 | बारानी 2 | 77.7900 | 77.79 | | |
| कुल खसरे - 39 | 400.0600 | | 400.0600 | 97.5300 | | |

यह प्रथम काल प्रती की जानकारी के लिए है।

1. (1) पत्रों में किसी भी प्रकार के बदलाव के लिए जवाबदार नहीं है।





जमाबन्दी (खेबट/बंतीनी)
(प्रतिलिपि)

प्रपत्र पी-26 (सी)
(विशेष विधाय 153 ए)

ग्राम का नाम :- मुन्करनगर

अंतिम बीमाणा आधार मास :- 2075 - 2078 जमाबन्दी 2078 (वर्ष 2021) में
स्थानी

परधार हल्का :- मुन्करनगर

मुखि धारक का नाम :- राज.सरकार

भू.अधि.वि. :- मुन्करनगर

क्षेत्रफल की ईकाई :- हेक्टेयर

महसिल :- मुन्करनगर

खाता संख्या वया :- 1

बिना :- बीचविर

खाता संख्या पुराना :- 1

| | | | |
|-----------|----------|--------------|----------|
| 1287 | 0.2500 | बाराही 2 | 0.2500 |
| 1288 | 0.5100 | बाराही 2 | 0.5100 |
| 130 | 0.0500 | बाराही 2 | 0.0500 |
| 1300 | 2.5300 | बाराही 2 | 2.5300 |
| 1326/234 | 0.0500 | बाराही 2 | 0.0500 |
| 1326/591 | 0.7600 | बाराही 2 | 0.7600 |
| 1329/867 | 2.1900 | शै.मु.रास्ता | 2.1900 |
| 1346/792 | 0.5000 | शै.मु.रास्ता | 0.5000 |
| 1561/876 | 24.7900 | बाराही 2 | 24.7900 |
| 157 | 0.8900 | बाराही 2 | 0.8900 |
| 16 | 1.5200 | शै.मु.रास्ता | 1.5200 |
| 1628/1071 | 0.1000 | शै.मु.रास्ता | 0.1000 |
| 1644/1255 | 0.0140 | शै.मु.रास्ता | 0.0140 |
| 1660/1097 | 0.4000 | शै.मु.रास्ता | 0.4000 |
| 1678/1040 | 0.2600 | बाराही 2 | 0.2600 |
| 169 | 3.0200 | बाराही 2 | 3.0200 |
| 1729/1047 | 125.1200 | बाराही 2 | 125.1200 |
| 181 | 1.8700 | बाराही 2 | 1.8700 |
| 185 | 1.8900 | शै.मु.रास्ता | 1.8900 |
| 19 | 0.2000 | बाराही 2 | 0.2000 |
| 224 | 0.0600 | बाराही 2 | 0.0600 |
| 238 | 0.2200 | शै.मु.रास्ता | 0.2200 |
| 241 | 0.1000 | शै.मु.रास्ता | 0.1000 |
| 249 | 0.3200 | शै.मु.रास्ता | 0.3200 |
| 262 | 0.2909 | बाराही 2 | 0.2909 |
| 30 | 1.4000 | बाराही 2 | 1.4000 |
| 32 | 0.3300 | बाराही 2 | 0.3300 |
| 33 | 0.1500 | बाराही 2 | 0.1500 |
| 35 | 0.5100 | बाराही 2 | 0.5100 |
| 36 | 0.3600 | बाराही 2 | 0.3600 |
| 40 | 0.0300 | बाराही 2 | 0.0300 |
| 41 | 0.8700 | शै.मु.रास्ता | 0.0400 |
| 41 | 0.8700 | बाराही 1 | 0.8300 |
| 46 | 0.7800 | बाराही 2 | 0.7800 |
| 50 | 0.0800 | शै.मु.रास्ता | 0.0800 |
| 51 | 0.2700 | बाराही 2 | 0.2700 |
| ✓ 524 | 6.8300 | शै.मु.ओरख | 6.8300 |
| ✓ 525 | 0.2000 | शै.मु.रास्ता | 0.2000 |
| ✓ 526 | 5.8200 | शै.मु.ओरख | 5.8200 |
| ✓ 527 | 0.6200 | शै.मु.रास्ता | 0.6200 |
| ✓ 528 | 81.6000 | शै.मु.ओरख | 81.6000 |
| ✓ 530 | 0.1300 | शै.मु.ओरख | 0.1300 |
| ✓ 532 | 1.2100 | शै.मु.रास्ता | 1.2100 |
| ✓ 533 | 85.9300 | शै.मु.ओरख | 85.9300 |
| ✓ 539 | 17.4500 | शै.मु.ओरख | 17.4500 |
| 541 | 0.0600 | शै.मु.रास्ता | 0.0600 |
| 543 | 0.0400 | बाराही 2 | 0.0400 |
| 547 | 2.4700 | बाराही 2 | 2.4700 |
| 554 | 5.6800 | बाराही 2 | 5.6800 |
| 565 | 1.3000 | शै.मु.रास्ता | 1.3000 |
| 567 | 0.8500 | बाराही 2 | 0.8500 |
| 568 | 0.0900 | बाराही 2 | 0.0900 |
| 571 | 0.3800 | बाराही 2 | 0.3800 |
| 574 | 0.0400 | बाराही 2 | 0.0400 |
| 580 | 0.0600 | बाराही 2 | 0.0600 |
| 584 | 0.0600 | बाराही 2 | 0.0600 |
| 587 | 0.0400 | बाराही 2 | 0.0400 |
| 593 | 0.3900 | शै.मु.रास्ता | 0.3900 |
| 592 | 0.2900 | शै.मु.रास्ता | 0.2900 |

Vij
H. K. Mahesh

View of Lakholai Talab, Diyatra





जमाबन्दी गाँव दिमातरा
तहसील कोटापयत
सम्वत् २०६७-२०७२
क्षेत्रफल (हैक्टेयर-में)
जमाबन्दी

पटवार क्षेत्र दिमातरा
जिला बीकानेर
वार्षिक सम्वत् २०६७

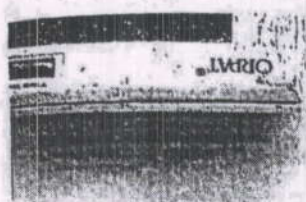
जमाबन्दी

मुद्रक :- जमाबन्दी डिप्टी, बीकानेर # 9351878175
मू- जमाबन्दी निरीक्षक क्षेत्र दिमातरा पृष्ठ नं. जमा
दिनांक 03/10/2017 2 of 19

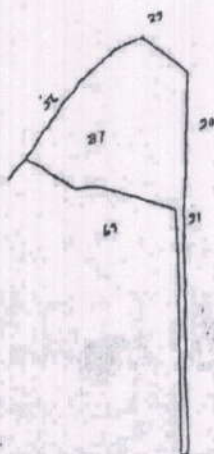
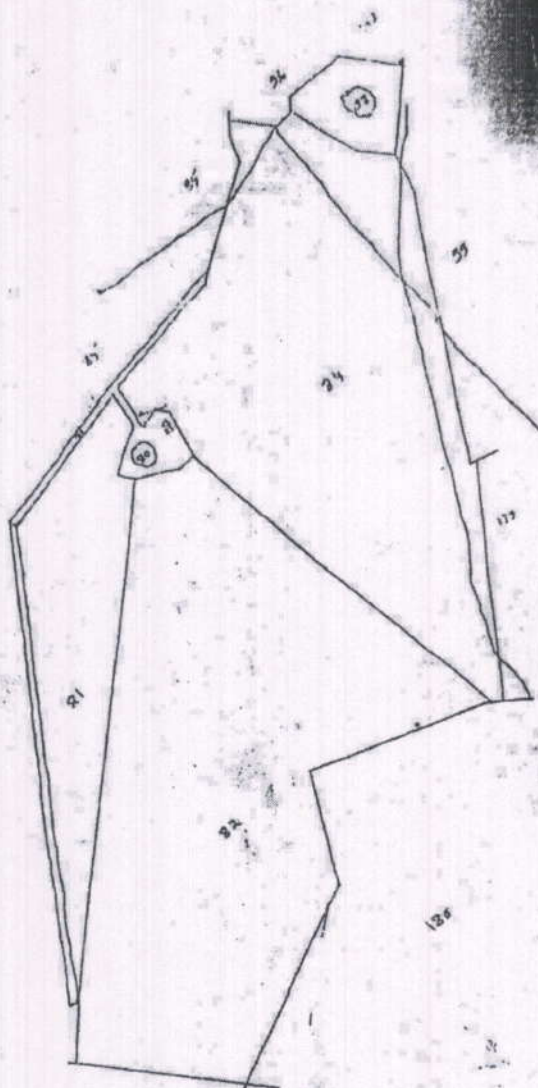
| खसरा नं. 11-16 | | | | | | | | | | | | | |
|----------------|---|--------------------|--|---|---|--|---|---------------|----------------|-----------------|----------------------------------|--|------------|
| खसरा नं. 11-16 | | नृमि धारकों का नाम | | कारतकार का नाम, पिता जाति तथा निवास स्थान के पता सहित तथा नृमि काल | | खसरा नं. | क्षेत्रफल | नृमि वर्गीकरण | सिंचाई के साधन | देव सपान दर रकम | मान्यमान करान आदेश नं. तथा तारीख | नृमि खोला विविधियां जिसके पत नं नृमि अन्यथा हो | टिप्पणियां |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| 1 | 1 | राज. महाराज | मिस्त्रयन्त्रक हाकाशिल कासत जोहड़पापतन | 65 30 82/2 84 87 88 161 163 186 188 229/184 534/39 645/307 647/310 649/312 651/314 | 12-01 6-02 321-08 289-05 43-16 18-02 19-12 6-01 5-02 45-17 30 3-08 2-05 4-10 2-05 2-02 | गै. मु. गै. मु. बजड़ पाता बजड़ पाता गै. मु. गै. मु. गै. मु. गै. मु. गै. मु. बजड़ पाता बजड़ पाता गै. मु. गै. मु. गै. मु. गै. मु. गै. मु. | 12-01 6-02 321-08 289-05 43-16 18-02 19-03 0-09 6-01 5-02 45-17 30 3-09 2-05 4-10 2-05 2-02 | | | | | | |
| | | | | कुल 16 | कुल क्षेत्र 811-16 | बजड़ पाता गै. मु. | 701-05 110-08 | | | | | | |

Signature
Date 03/10/2017
Page 2 of 19
दिमातरा

Signature
ADN
28/08/2017



संलग्न नक्शा देस नाम दिशादि
संलग्न नक्शा = २० मीटर सि. नक्शा



संलग्न नक्शा देस नाम दिशादि
संलग्न नक्शा = २० मीटर सि. नक्शा

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Handwritten signature and date: 28/05/20