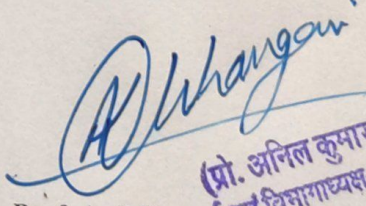


## District Environmental Plan Bikaner, Shri Ganganagar, Hanumangarh and Churu District

### Nodal Agency: Maharaja Ganga Singh University, Bikaner

District Environment Plan Hon'ble NGT vide order dated 26/09/2019 in the matter of OA 360 of 2018 Introduction Hon'ble National Green Tribunal vide order dated 26/09/2019 in O.A. No. 360 of 2018 filed by Shree Nath Sharma Vs Union of India and Others directed that CPCB shall facilitate the District Magistrates in preparation of District Environmental Plan by placing Model plan on its website. This model plan may be adopted as per local requirements by all Districts under supervision of District Magistrate. The said Order also directs that Department of Environment in respective States / UTs should collect district plans to prepare State Environment Plan, which shall be monitored by respective Chief Secretaries of State/UT by 15/12/2019. Based on State Environmental plans, CPCB and Ministry of Environment, Forest & Climate Change shall prepare National Environmental Plan, under the supervision of Secretary, MoEF&CC and Chairman, CPCB by 31/01/2020. The National Action Plan needs to be submitted before Hon'ble NGT 15/02/2020. In compliance to above directions, CPCB has prepared a model District Environment Plan (DEP) that covers following thematic areas for Bikaner Division covering 4 Districts viz, Bikaner, Shri Ganganagar, Hanumangarh and Churu District.

1. Waste Management Plan
  - (i) Solid Waste Management Plan (for each ULB)
  - (ii) Plastic Waste Management (for each ULB)
  - (iii) C&D Waste Management
  - (iv) Biomedical Waste Management (for each ULB)
  - (v) Hazardous Waste Management
  - (vi) E-Waste Waste Management
- 2.0 Water Quality Management Plan
- 3.0 Domestic Sewage Management Plan
- 4.0 Industrial Wastewater Management Plan
- 5.0 Air Quality Management Plan
- 6.0 Mining Activity Management plan
- 7.0 Noise Pollution Management Plan

  
(प्रो. अनिल कुमार छंगाणी)  
आचार्य एवं विभागाध्यक्ष-पर्यावरण विज्ञान  
Prof. Anil Kumar Chhangani  
Nodal Officer



①

**Government of Rajasthan**  
**Department of Forest & Environment**

No. PS/PSF/2020/

Dated: 10<sup>th</sup> August, 2020

To

District Collector,  
Bikaner/Churu/Shri Ganganagar/ Hanumangarh  
Rajasthan

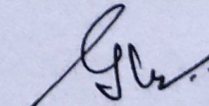
Sir,

Please find enclosed consent of Maharaja Ganga Singh University, Bikaner to become the Knowledge Partner for preparation of District Environment Plan for your district.

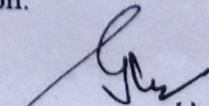
In this regard, please refer to D.O. letter No. PS/PSF/2020 dated 5<sup>th</sup> August, 2020 which mentions that preparation of this plan is not only a budget announcement for the year 2020-21 but also a direction of Hon'ble NGT.

Prof. Anil Kumar Chhangani, Head, Department of Environment Science, Maharaja Ganga Singh University, Bikaner has been designated as Nodal Officer on behalf of the University. He may be contacted by your office at the earliest so that the plan is prepared well in time. The Environment Department shall bear the expenditure incurred on preparation of the Plan.

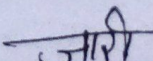
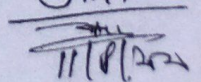
Encl: As above

  
(Sreya Guha)  
Principal Secretary to Govt.

Copy to Prof. Vinod Kumar, Vice-Chancellor, Maharaja Ganga Singh University, Bikaner for information and necessary action.

  
Principal Secretary to Govt.

o/c



2

**Government of Rajasthan**  
**Department of Environment**

F. No. 12 (59)/ ENV/2018

Dated: 9<sup>th</sup> September, 2020

To

District Collector,  
Bikaner/Churu/Shri Ganganagar/ Hanumangarh  
Rajasthan

Subject: Preparation of District Environment Plan

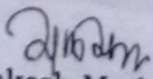
Sir,

Kindly refer to Principal Secretary, Environment Department, Government of Rajasthan letter dated 10.08.2020 vide which it was informed that Maharaj Ganga Singh University, Bikaner has given consent for being the Knowledge Partner for preparation of District Environment Plans of Bikaner, Churu, Shri Ganganagar and Hanumangarh Districts. In compliance of the Hon'ble NGT directions in O.A. No. 360 of 2018, District Environment Plans are to be prepared and submitted to the Central Pollution Control Board at the earliest.

In this regard, you were requested vide the aforesaid letter (copy enclosed) to contact the Knowledge Partner and initiate the work of District Environment Plan.

Kindly intimate the progress made regarding the finalization of modalities and agreement with Knowledge Partner Universities and initiation of District Environment Plans.

Encl: As above

  
(Rakesh Mathur)  
Deputy Director





# MaharajaGanga Singh University, Bikaner

Phone: 0151-2970177 E-mail: registrar@mgsbikaner.ac.in

3

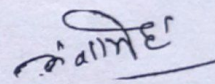
F.07( )MGSUB/Acad/2020/13688

Date : 07-08-2020

## OFFICE ORDER

In reference to the D.O. letter number PS/ PSF/2020 dated 5 August 2020, received from Principal Secretary, Department of Forest and Environment, Government of Rajasthan, Jaipur, University has agreed to work as knowledge partner for preparing the Environmental Plan regarding promotion of environmental conservation in the districts of Bikaner, Churu, Sriganganagar and Hanumangarh.

Prof. Anil Kumar Chhangani, Head, Department of Environment Science, Maharaja Ganga Singh University, Bikaner is nominated as Nodal Officer for the aforesaid purpose. Prof. Chhangani can be contacted on mobile number 9829189263 and email [chhanganiak@yahoo.com](mailto:chhanganiak@yahoo.com)

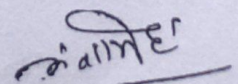
  
Registrar

F.07( )MGSUB/Acad/2020/13689-696

Date : 07-08-2020

Copy to : For information and necessary action :

1. Principal Secretary, Department of Forest and Environment, Government of Rajasthan, Room No. 8145, SSO Building, Government Secretariat, Jaipur - 302005.
2. Dr. D.N. Pandey, IFS, Secretary, Environment Department, Government of Rajasthan, Government Secretariat, Jaipur- 302005.
3. PS to Vice Chancellor, Maharaja Ganga Singh University, Bikaner.
4. District Collector, Bikaner/Churu/Hanumangarh/Sriganganagar .
5. Prof. Anil Kumar Chhangani, Head, Department of Environment Science, Maharaja Ganga Singh University, Bikaner. Copy of above DO letter is enclosed herewith.
6. Guard File

  
Registrar



4

**MUNICIPAL COUNCIL SUJANGARH**

**CHURU DISTRICT**

**District Environmental Plan**

**(As per Hon'ble NGT order in  
O.A.No.710-713/2017 dated 15.07.2019)**



कार्यालय जिला कलक्टर, श्रीगंगानगर

दिनांक : 27 .10.2020

क्रमांक: एफ.40(33)( )सामान्य/2016/ 3962  
प्रेषित:-

प्रो० अनील कुमार छंगानी,  
नोडल ऑफिसर,  
जिला पर्यावरण प्लान,  
पर्यावरण विज्ञान विभाग,  
महाराजा गंगासिंह विश्वविद्यालय,  
बीकानेर।

विषय : मा० एनजीटी द्वारा वाद सं० ओए 606/2018 ऑरिजनल एप्लिकेशन नम्बर :  
360/2018 अनवान श्रीनाथ शर्मा बनाम यूनियन ऑफ इण्डिया एवं अन्य में  
निर्णय दिनांक (26.09.2019) की अनुपालना में जिला स्तरीय पर्यावरणीय  
एक्शन प्लान बाबत।

प्रसंग : आपका पत्रांक एफ.18( )/एमजीएसयू/ईएस/2020/1875 दिनांक 13.10.20

उपरोक्त विषयान्तर्गत प्रासंगिक पत्र के क्रम में अतिरिक्त डायरेक्टर (साइंटिस्ट-ई) एवं  
नॉडल अधिकारी, वेस्ट मेनेजमेंट डिवीजन, सेन्ट्रल पोल्युशन कंट्रोल बोर्ड की ई मेल दिनांक  
01.11.2019 एवं श्रीमान प्रमुख शासन सचिव, वन एवं पर्यावरण पर्यटन, कला एवं संस्कृति विभाग  
राजस्थान सरकार, जयपुर के अ.शा.पत्रांक : पं.12(59)/पर्या./2018 दिनांक 28.11.2019 की अनुपालना  
में आयुक्त, नगर परिषद्, श्रीगंगानगर ने अपने पत्रांक 32 दिनांक 19.10.2020 द्वारा जिला पर्यावरण  
प्लान तैयार कर प्रस्तुत किया है, जो आवश्यक कार्यवाही हेतु प्रेषित है।

संलग्न :- उपरोक्तानुसार।

4  
23/10  
(डॉ० गुंजन सोनी)  
अति. जिला कलक्टर (प्रशा.),  
श्रीगंगानगर



The proposed Model Action Plan for 7 thematic areas														
1.D Waste Management Plan														
ii) Solid Waste Management Plan (for each ULB)														
No.	Action Areas	Details of Data Requirement	Units of Measurable Outcome	Please enter Measurable Outcome for District	ULB1	ULB2	ULB3	ULB4	ULB5	ULB6	ULB7	ULB8	ULB9	ULB10
					Suratgarh	Vijaynagar	Amargarh	Raisinghnagar	Padampur	Srikampur	Siddhinfahar	Kesarijnagar	Sriganganagar	Sriganganagar
	Name of Urban Local Body (ULB)	Name of ULB		As received by UIT/ULBs										
	No of ULBs in the District	[None]	10	Sriganganagar	Sriganganagar	Sriganganagar	Sriganganagar	Sriganganagar	Sriganganagar	Sriganganagar	Sriganganagar	Sriganganagar	Sriganganagar	Sriganganagar
	Population	[None as per 2011 census]	461402.00	70536.00	18425.00	30877.00	28330.00	18420.00	21297.00	24980.00	14010.00	224532.00	9995.00	
SW1	Report on inventory of total solid waste Generation	Total solid waste Generation	[in MT/Day] or [Not estimated]	177.90	24.69	6.45	10.81	9.92	6.45	7.45	8.74	4.90	95.00	3.50
SW1a		Qty. of Dry Waste segregated	[in MT/Day] or [Collection Not initiated]	11.31	1.57	0.41	0.69	0.63	0.41	0.47	0.56	0.31	6.04	0.22
SW1b		Qty. of Wet Waste segregated	[in MT/Day] or [Collection Not initiated]	8.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00
SW1c		Qty. of C&D Waste segregated	[in MT/Day] or [Collection Not initiated]	7.57	1.00	0.00	0.00	0.50	0.00	0.35	0.00	0.20	5.00	0.52
SW1d		Qty. of Street Sweeping	[in MT/Day] or [Not estimated]	14.23	1.98	0.52	0.86	0.79	0.52	0.60	0.70	0.39	7.60	0.28
SW1e		Qty. of Drain Silt	[in MT/Day] or [Not estimated]	12.45	1.73	0.45	0.76	0.69	0.45	0.52	0.61	0.34	6.65	0.24
SW1f		Qty. of Domestic Hazardous Waste(DHW) collected	[in MT/Day] or [No Facility]	3.56	0.49	0.13	0.22	0.20	0.13	0.15	0.17	0.10	1.90	0.07
SW1g		Qty. of Other Waste (Horticulture, sanitary waste, etc.)	[in MT/Day] or [Qty not estimated]	23.13	3.21	0.84	1.40	1.29	0.84	0.97	1.14	0.64	12.35	0.45
SW1h		No of Old dump sites	[None] or [None]	10.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SW1i		Qty stored in dumpsites	[MT] or [Not estimated]	140.29	9.45	4.93	7.98	1.16	7.03	5.07	10.70	0.59	92.03	1.33
SW1j		No of Sanitary landfills	[None] or [None]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SW1k		No of wards	[none]	263.00	35.00	20.00	25.00	25.00	25.00	20.00	20.00	15.00	65.00	13.00
SW2	Compliance by Bulk Waste Generation	No of BW Generators	[numbers] or [inventory not done]	56.00	0.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00	43.00	0.00
SW2a		No of on-site facilities for Wet Waste	[numbers] or [No data]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SW2b														
SW3	Compliance in segregated waste Collection SW Collection	Total generation	[Automatic] from SW1a	172.72	24.69	6.45	10.81	9.92	6.45	7.45	8.74	4.90	89.81	3.50
SW3a		Wet Waste	[in MT/Day] or [Collection Not initiated]	81.18	11.60	3.03	5.08	4.66	3.03	3.50	4.11	2.30	42.21	1.64
SW3b		Dry Waste	[in MT/Day] or [Collection Not initiated]	91.54	13.08	3.42	5.73	5.26	3.42	3.95	4.63	2.60	47.60	1.85
SW3c		C&D Waste	[in MT/Day] or [Collection Not initiated]	17.27	2.47	0.64	1.08	0.99	0.64	0.75	0.87	0.49	8.98	0.35
SW3d														
SW4	Waste Management Operations	Door to Door Collection	[100%] / [partial %] / [not initiated]	100	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SW4a		Mechanical Road Sweeping	[100%] / [partial %] / [not initiated]	Not initiated	40.00	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated
SW4b		Manual Sweeping	[100%] / [partial %]	100	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SW4c		Segregated Waste Transport	[100%] / [partial %] / [not initiated]	85.60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	26.00	30.00
SW4d		Digesters (Bio-methanation)	[% of WW] / [not initiated]	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated
SW4e		Composting operation	[% of WW] / [not initiated]	Not initiated	40.00	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	7.00
SW4f		MRF Operation	[MRF used] / [not installed]	Not initiated	40.00	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated	Not initiated
SW4g														

Action plan need to be added and details need to be added as per the guidelines of NGT for each ULB.



- As discussed in the earlier meetings at R.M and ADM offices Bikaner the following points need to be incorporated.
- Category wise industries of each industrial area of Bikaner. (Rel. Comp.)
- Weather monitoring System.
- status of rural and urban water bodies.
- Conservation of Biodiversity, Wetland and water resources are integrated part of District environment planning!
- for this the inventory of protected and non protected areas, specially common property resources like Orans, gramho lands, area, status, etc. with the water bodies and catchment area need to be added of Bikaner district.

## District Environment Management Plan of Bikaner (Rajasthan)

### CONTENTS

1. DEMP Objectives
2. NGT Guidelines
3. Brief Profile of the District
4. Waste Management Plan
  1. Solid Waste Management Plan
  2. Plastic Waste Management
  3. C&D Waste Management
  4. Biomedical Waste Management
  5. Hazardous Waste Management
  6. E-Waste Management
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8. Air Quality Management plan
9. Mining Activity Management Plan
10. Noise Pollution Management Plan

PL  
8/2/2021  
08/02  
2021

Received

02/10/2021

Department of Environmental Science  
Maharaja Ganga Singh University  
Bikaner