



**Bulletin  
No. 75**

**Events Date:  
28-Nov-2021**

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28-Nov-2021**



# **MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2021**



**Prepared by:**

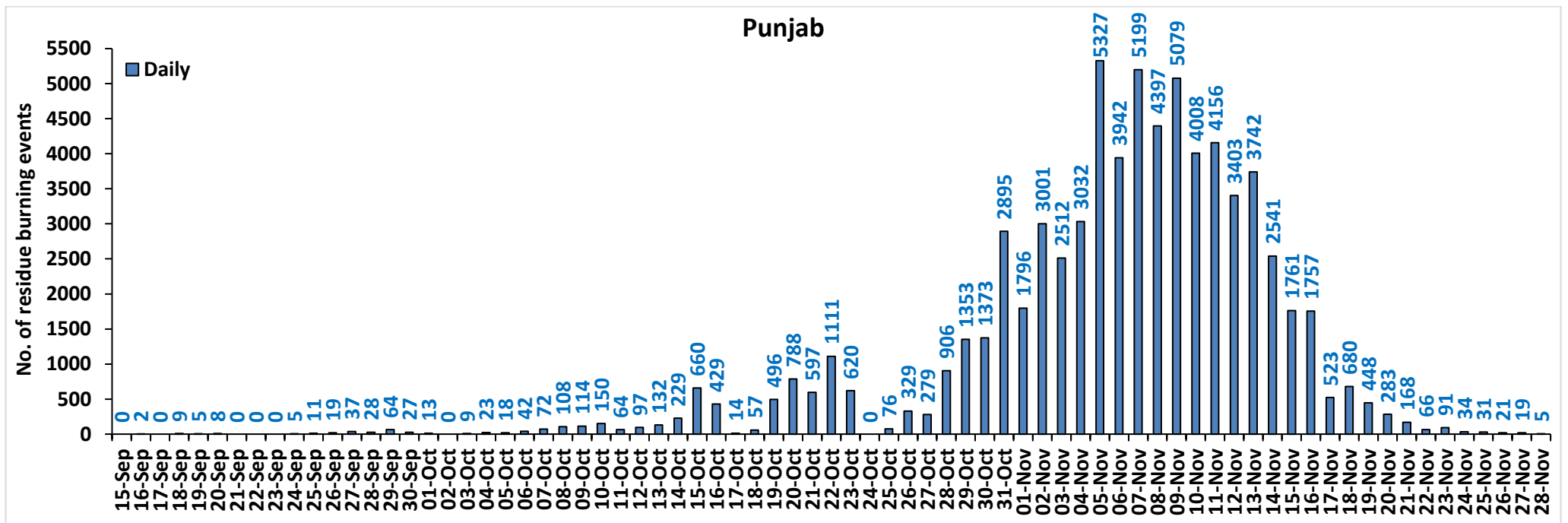
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,  
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

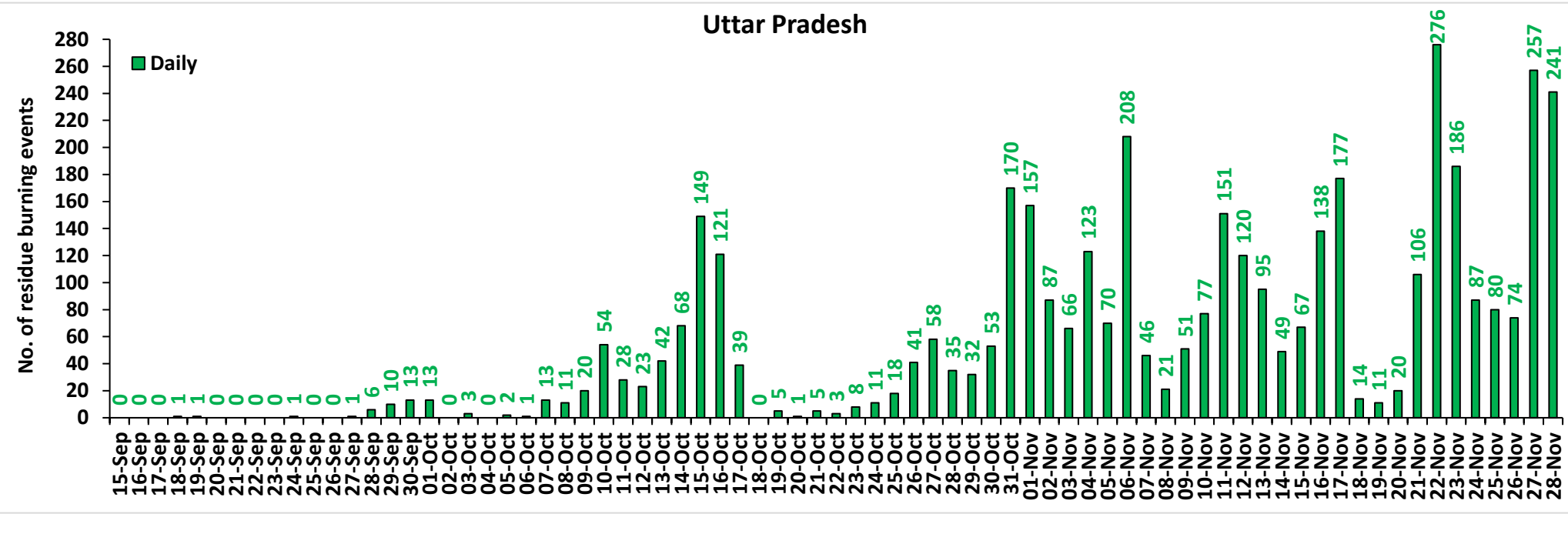
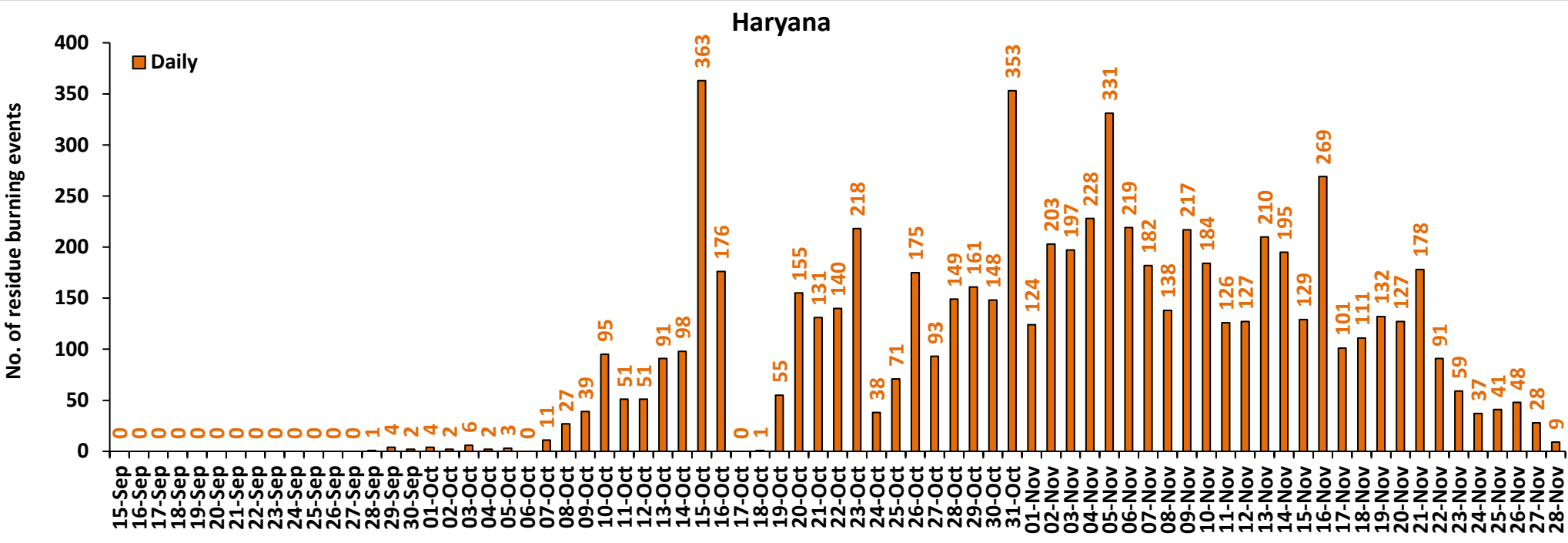
**<http://creams.iari.res.in>**

## Highlights for 28-November-2021

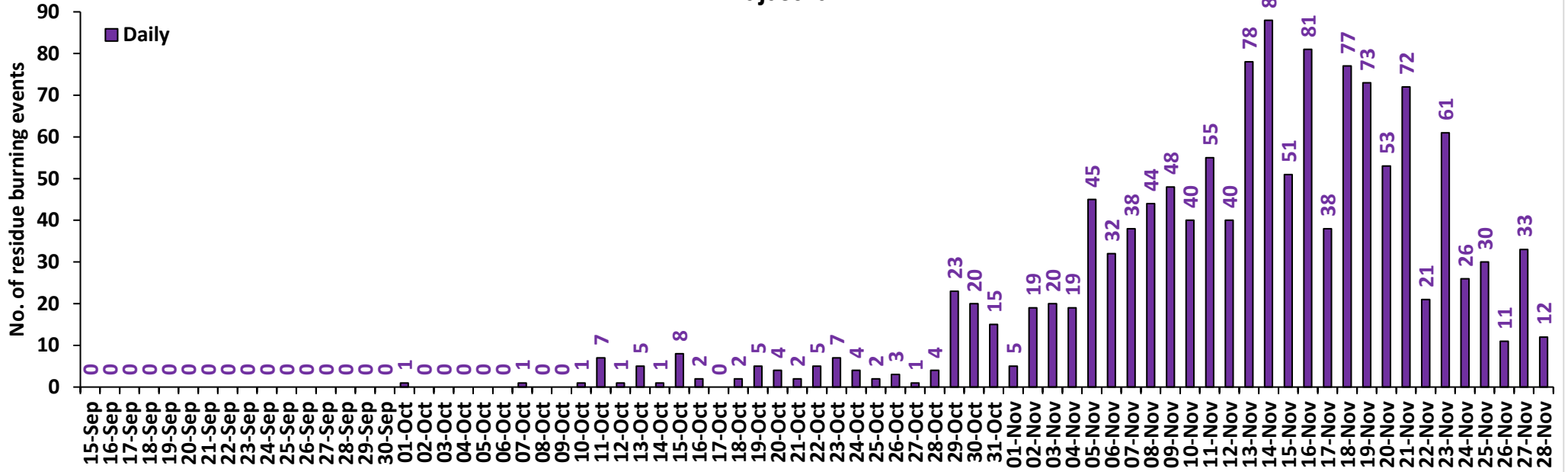
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the new "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **430** residue burning events in the six study States on 28-Nov-2021.
- The state wise events detected on 28-Nov-21 were **05** in Punjab, **09** in Haryana, **241** in UP, **00** in Delhi, **12** in Raj and **163** in MP.
- The number of events has decreased from **753** on 27-Nov-2021 to **430** on 28-Nov-2021 in the six study states.
- Total **91750** burning events were detected in the six states between 15-Sept-2021 and 28-Nov-2021, which are distributed as **71291**, **6955**, **4115**, **4**, **1334** and **8051** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Overall, the total burning events recorded in the six states are **14.2%** less than in 2020 till date. Punjab recorded **14.0%** reduction, Haryana recorded **68.8%** increase, UP recorded **1.5%** reduction, Delhi recorded **55.6%** reduction, Rajasthan recorded **21.8%** reduction and MP recorded **42.6%** reduction, in the current season than in 2020.

## Temporal distribution of rice residue burning events for the study States in 2021

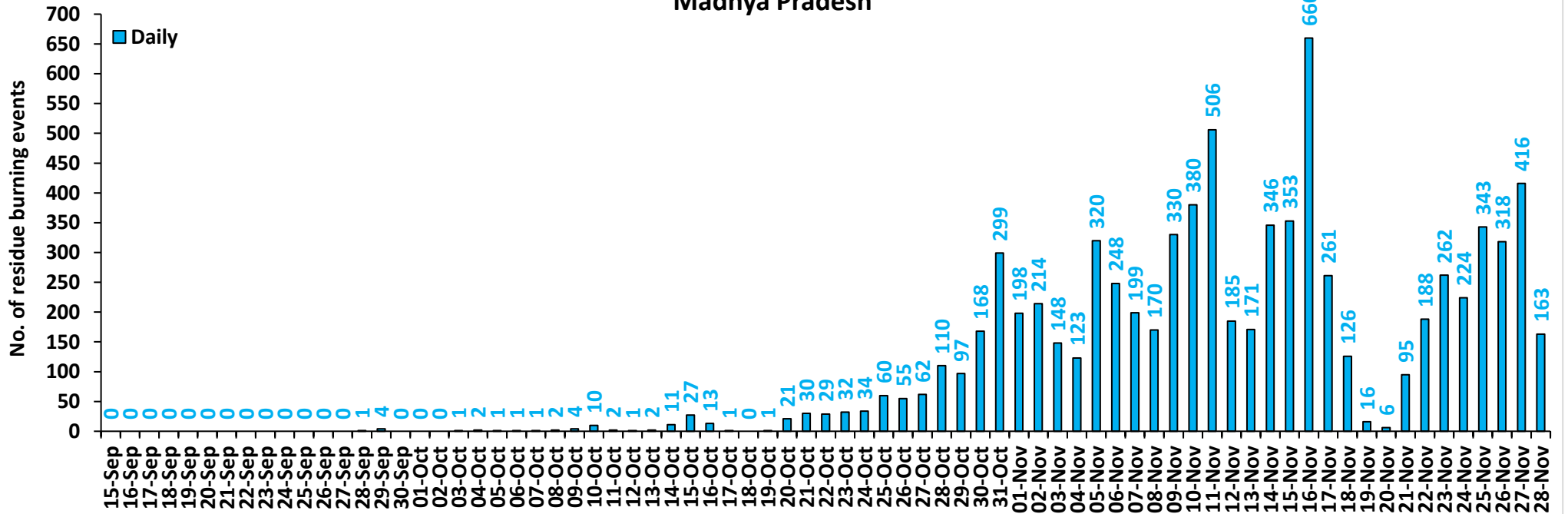




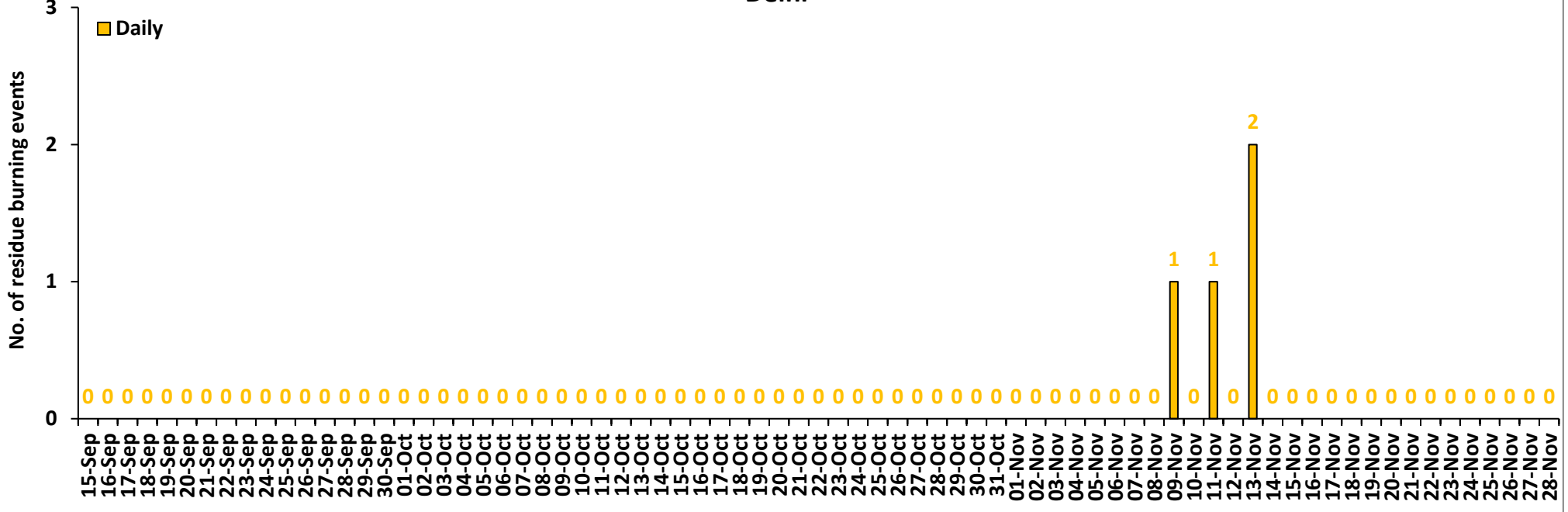
### Rajasthan



### Madhya Pradesh

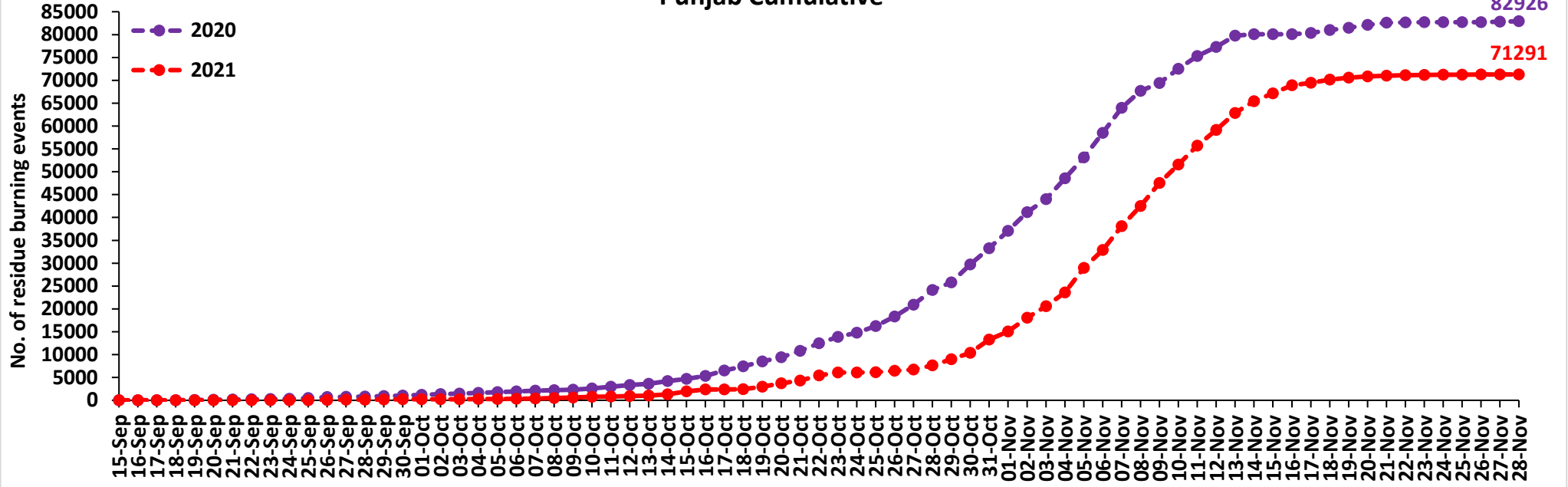


# Delhi

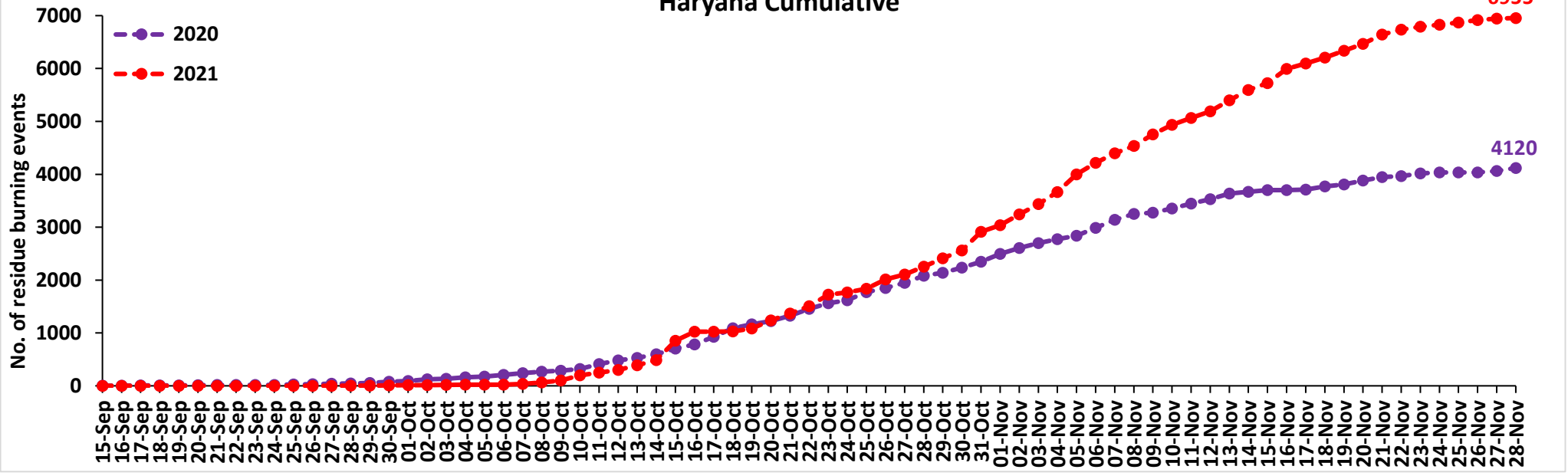


**Comparison of residue burning events in current year (2021) with previous year (2020) for the study States**

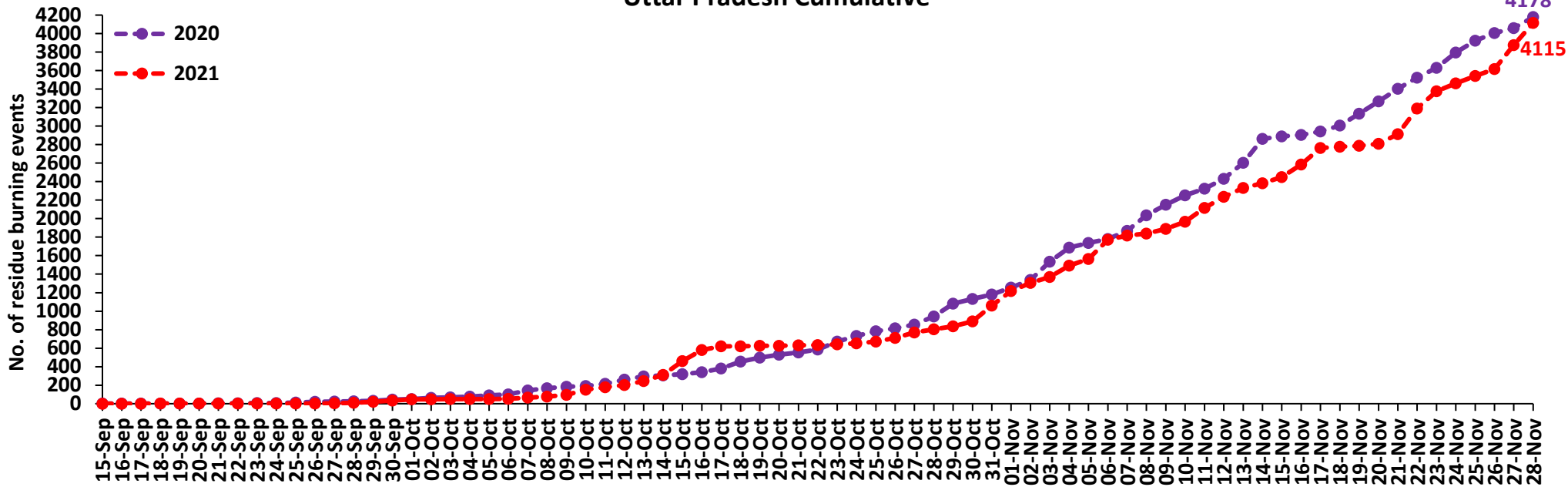
**Punjab Cumulative**



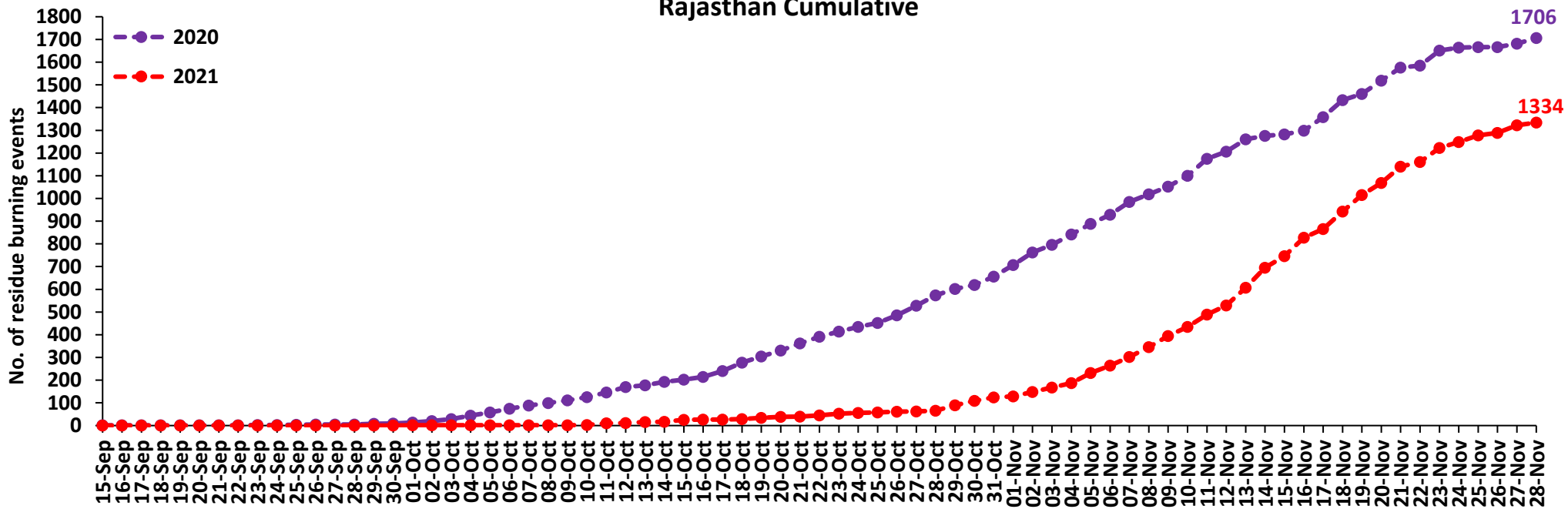
**Haryana Cumulative**



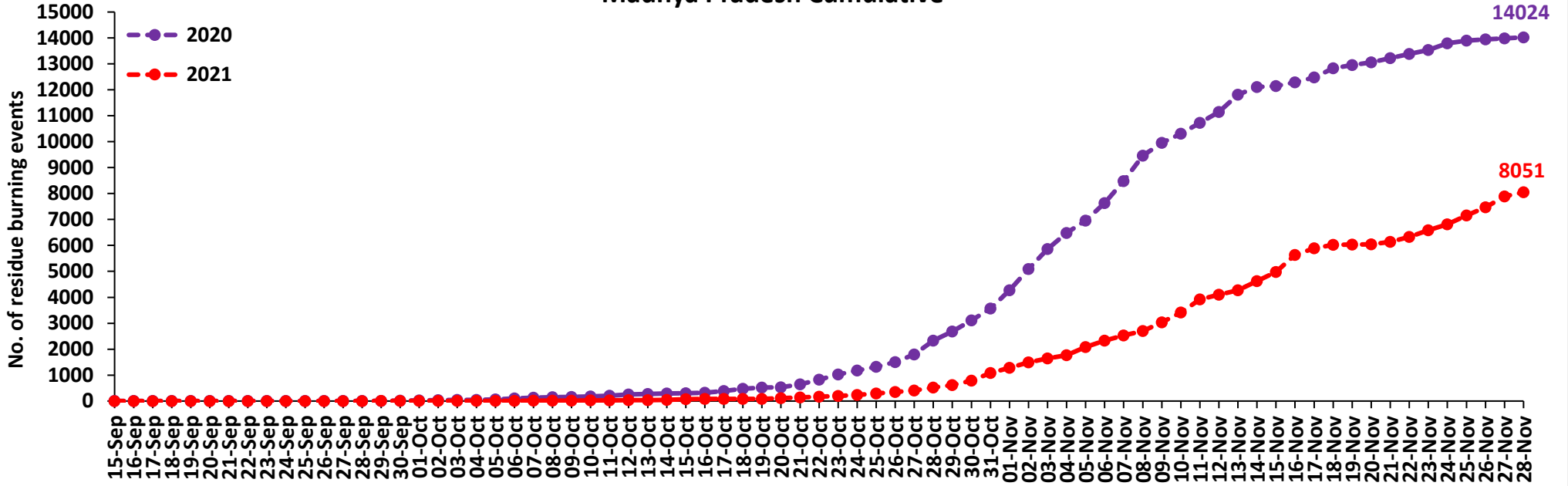
### Uttar Pradesh Cumulative



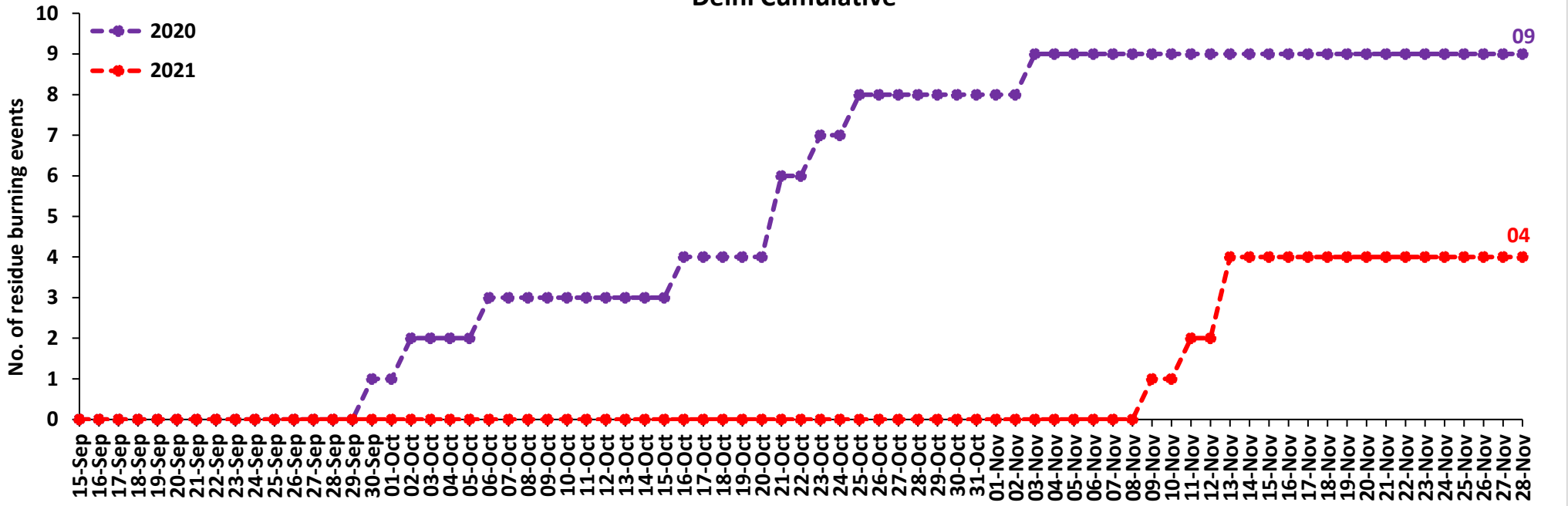
### Rajasthan Cumulative



### Madhya Pradesh Cumulative



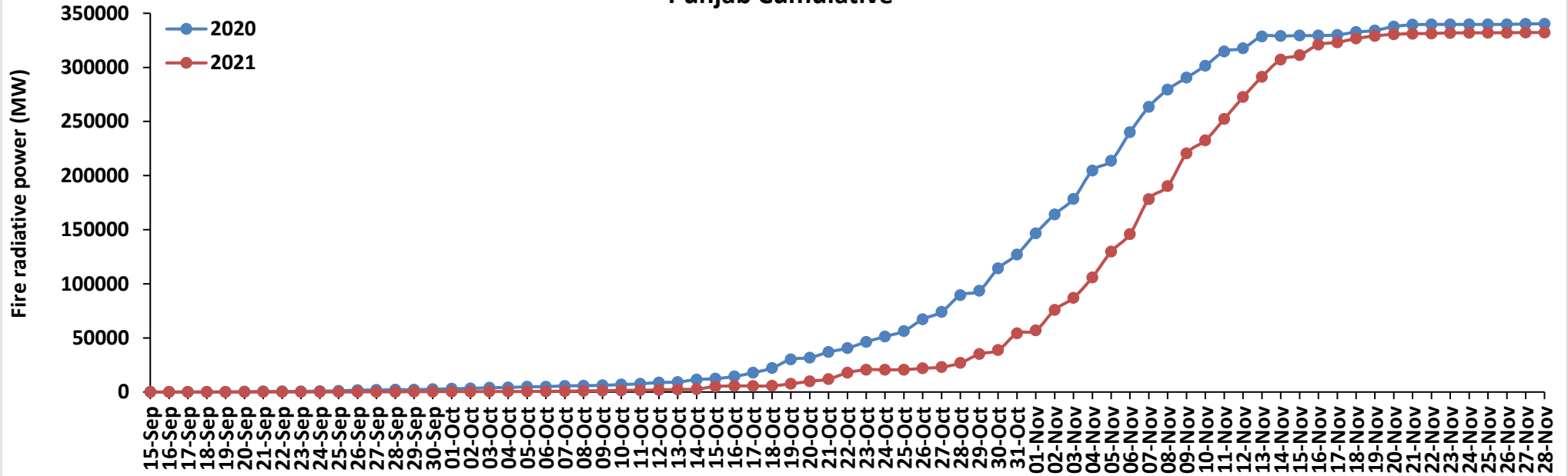
### Delhi Cumulative



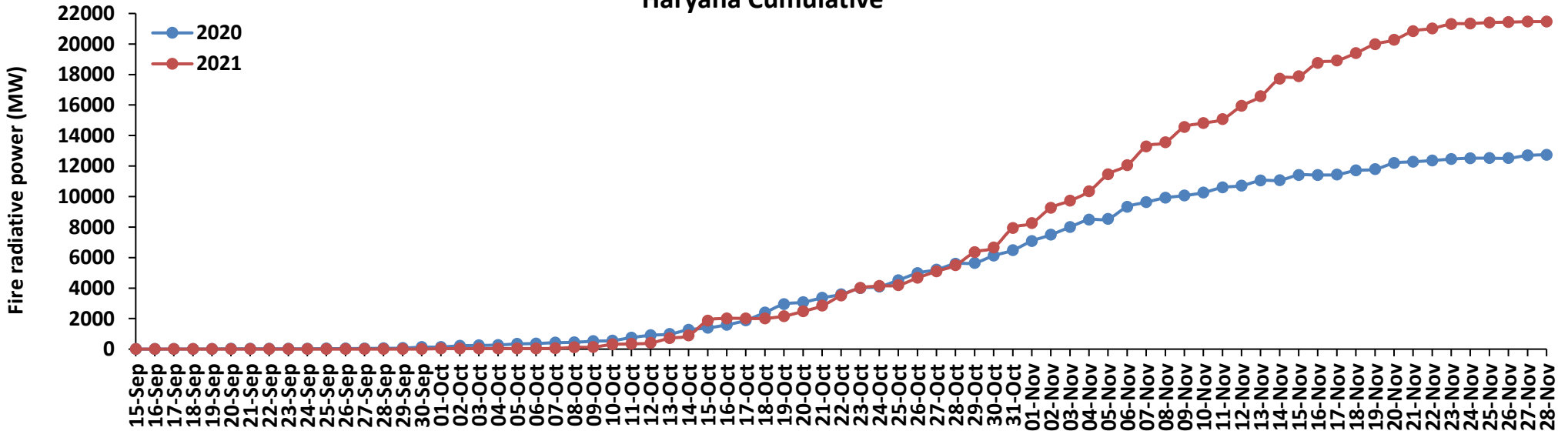


# Comparison of residue burning fire power in current year (2021) with previous year (2020) for the study States

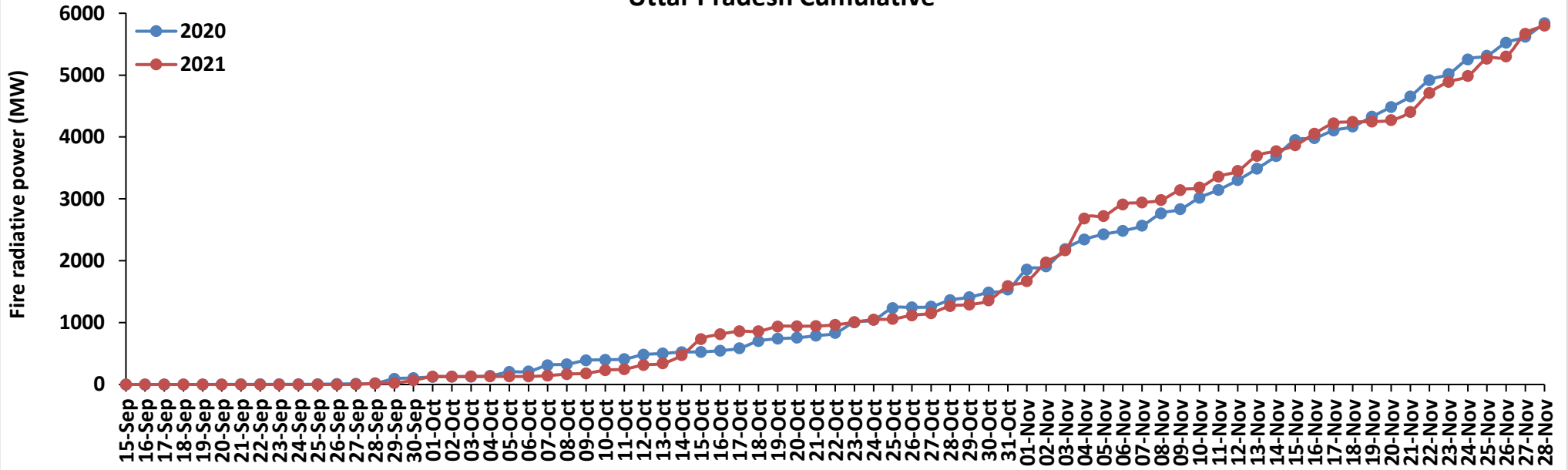
## Punjab Cumulative



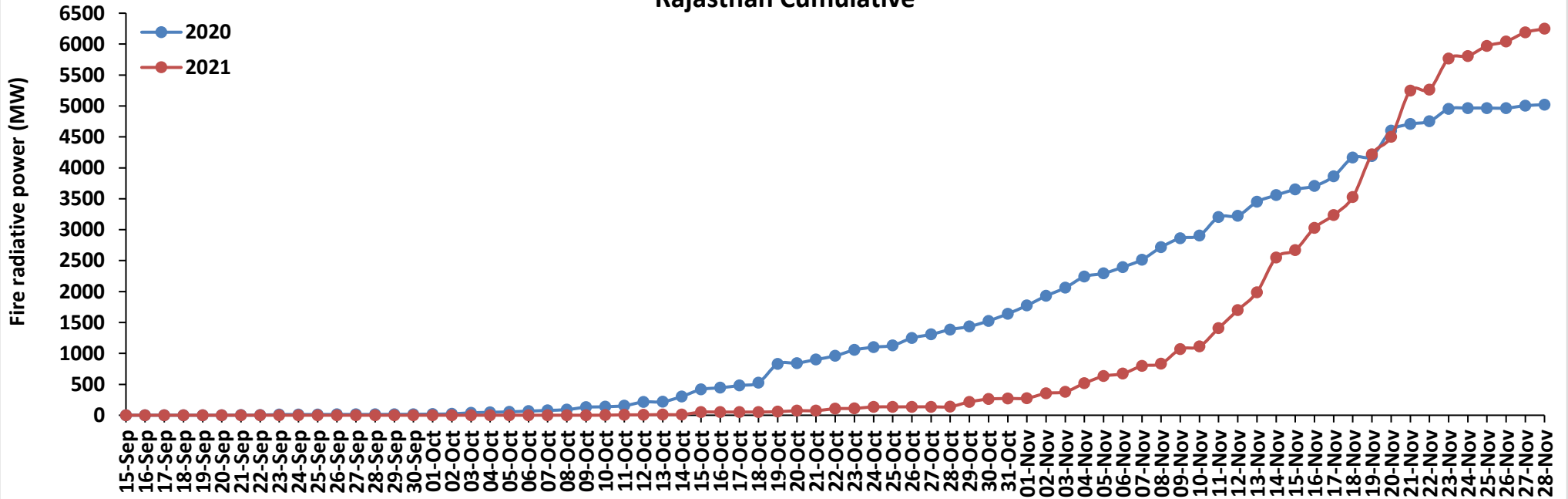
## Haryana Cumulative



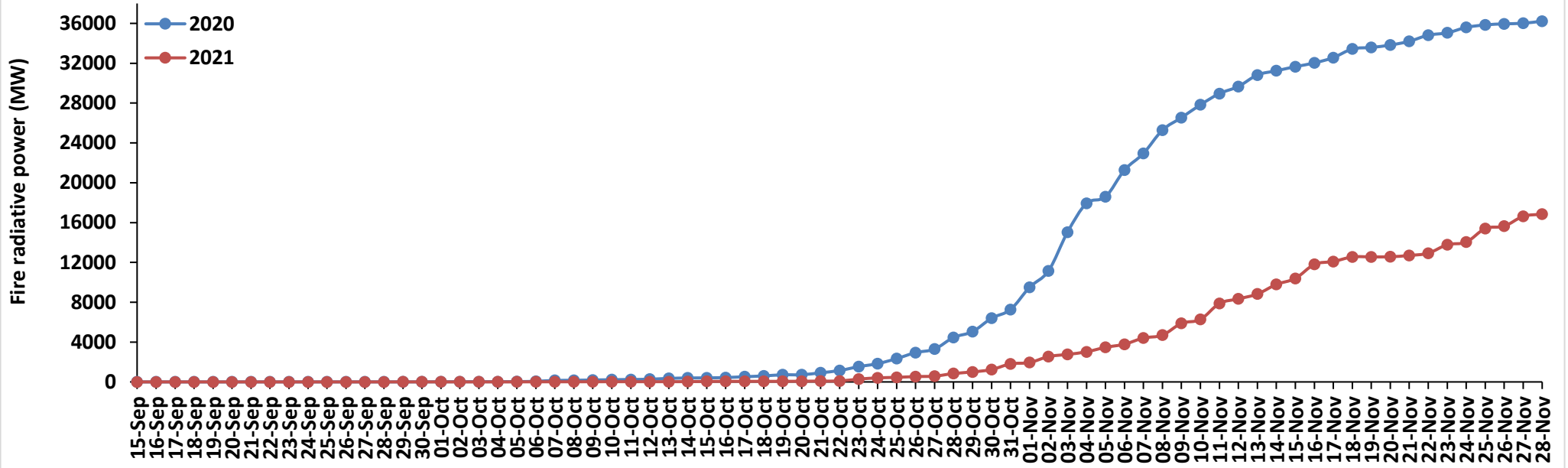
### Uttar Pradesh Cumulative



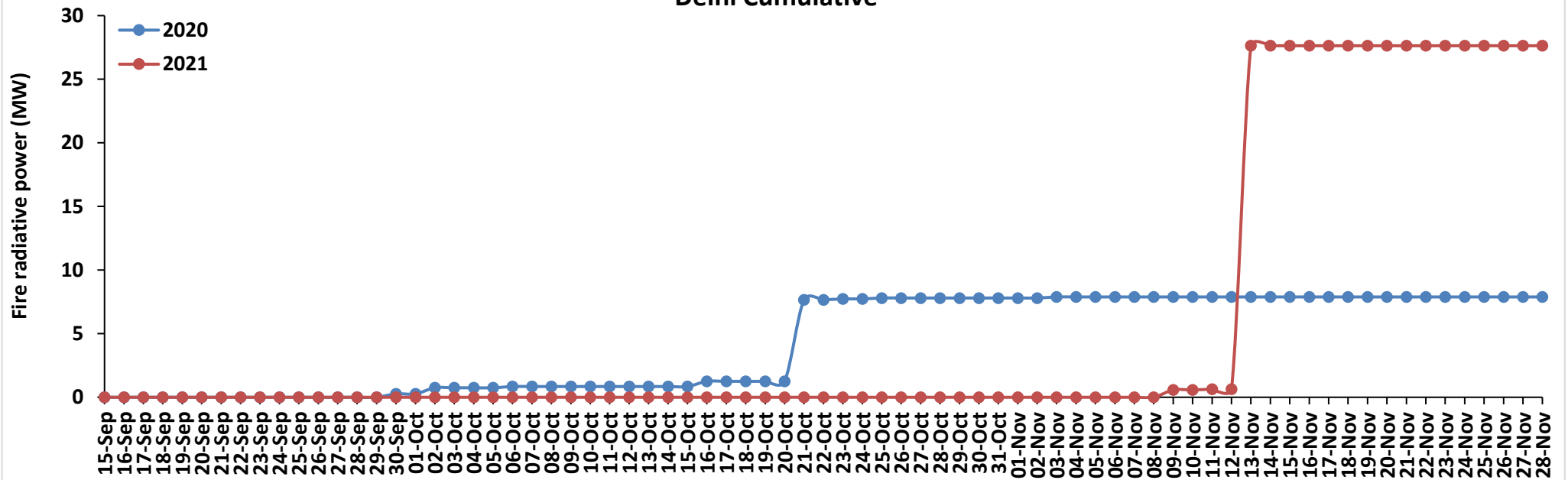
### Rajasthan Cumulative



### Madhya Pradesh Cumulative

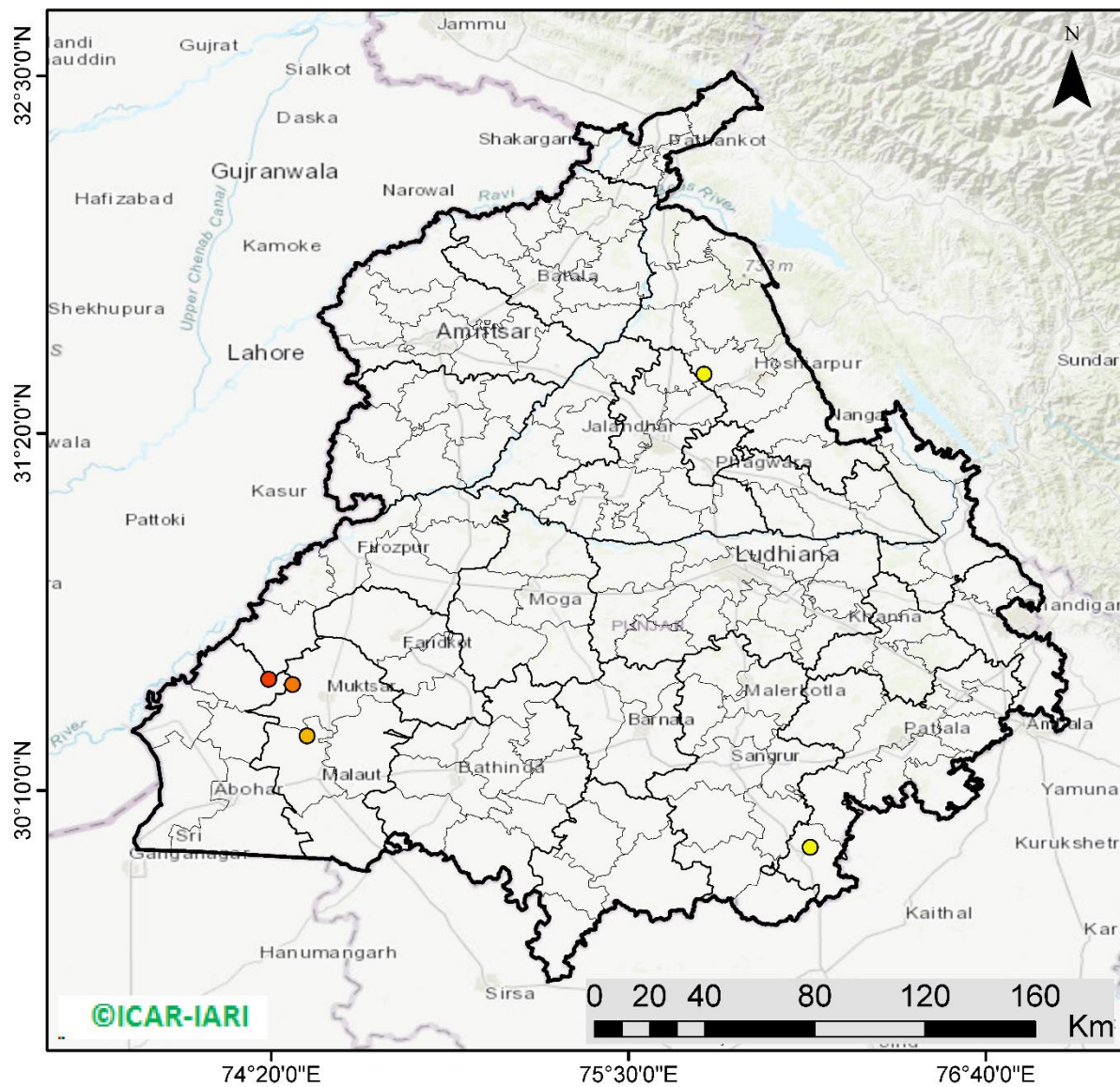


### Delhi Cumulative



# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**05** burning events detected in Punjab on **28th November 2021**

### Fire Intensity (W/m<sup>2</sup>)

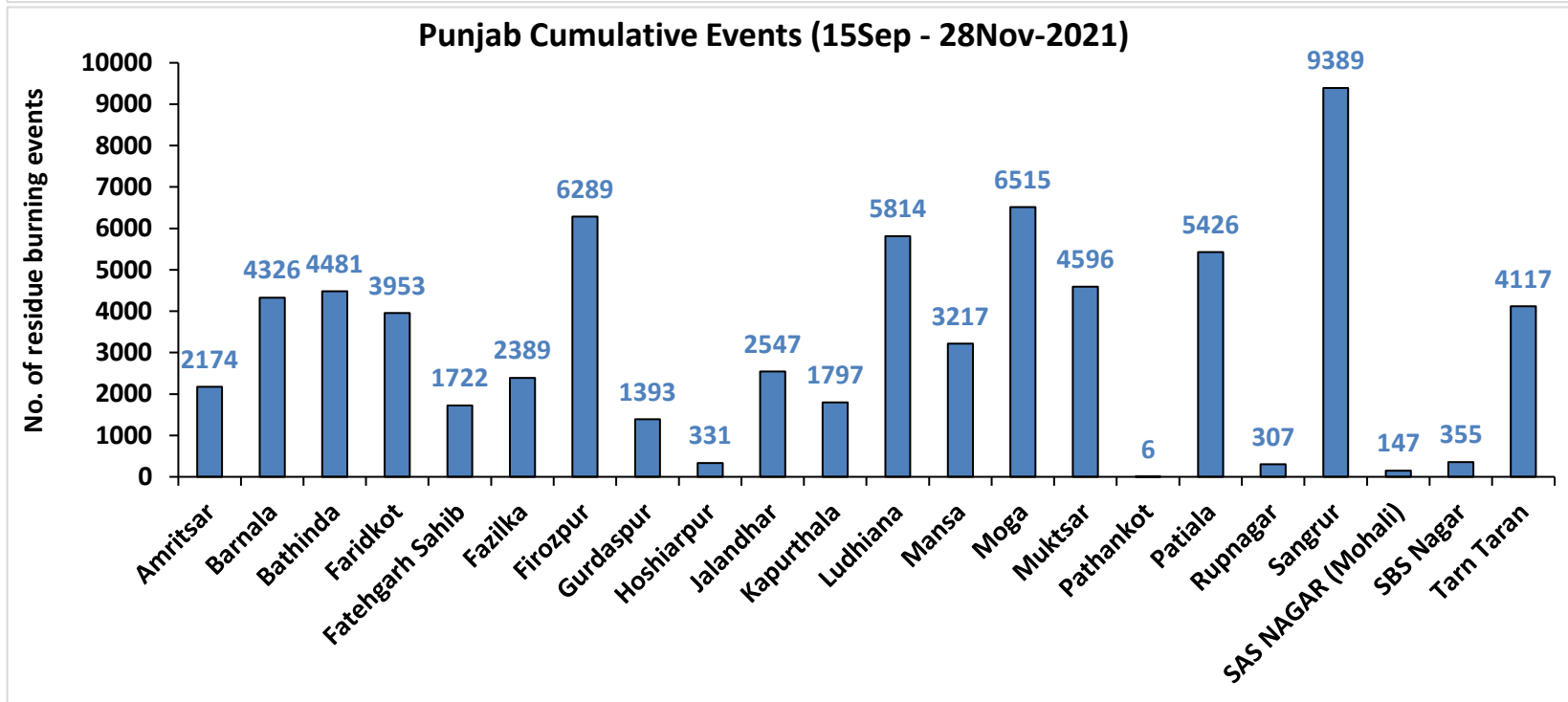
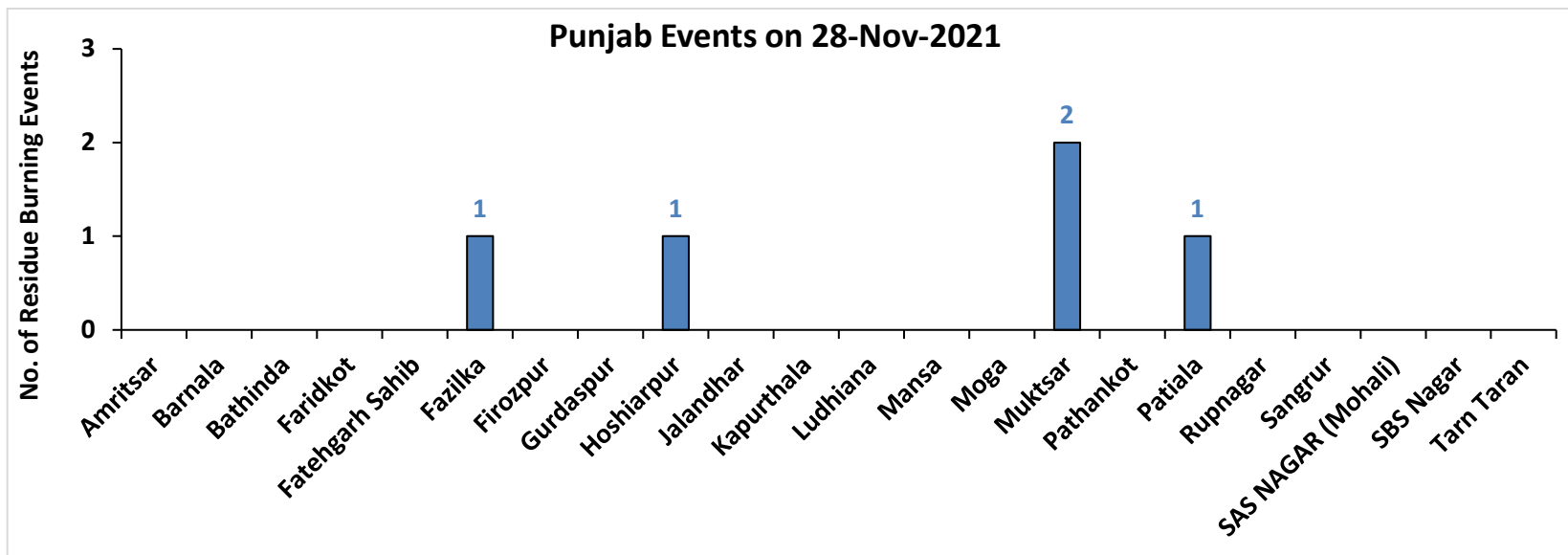
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20

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<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

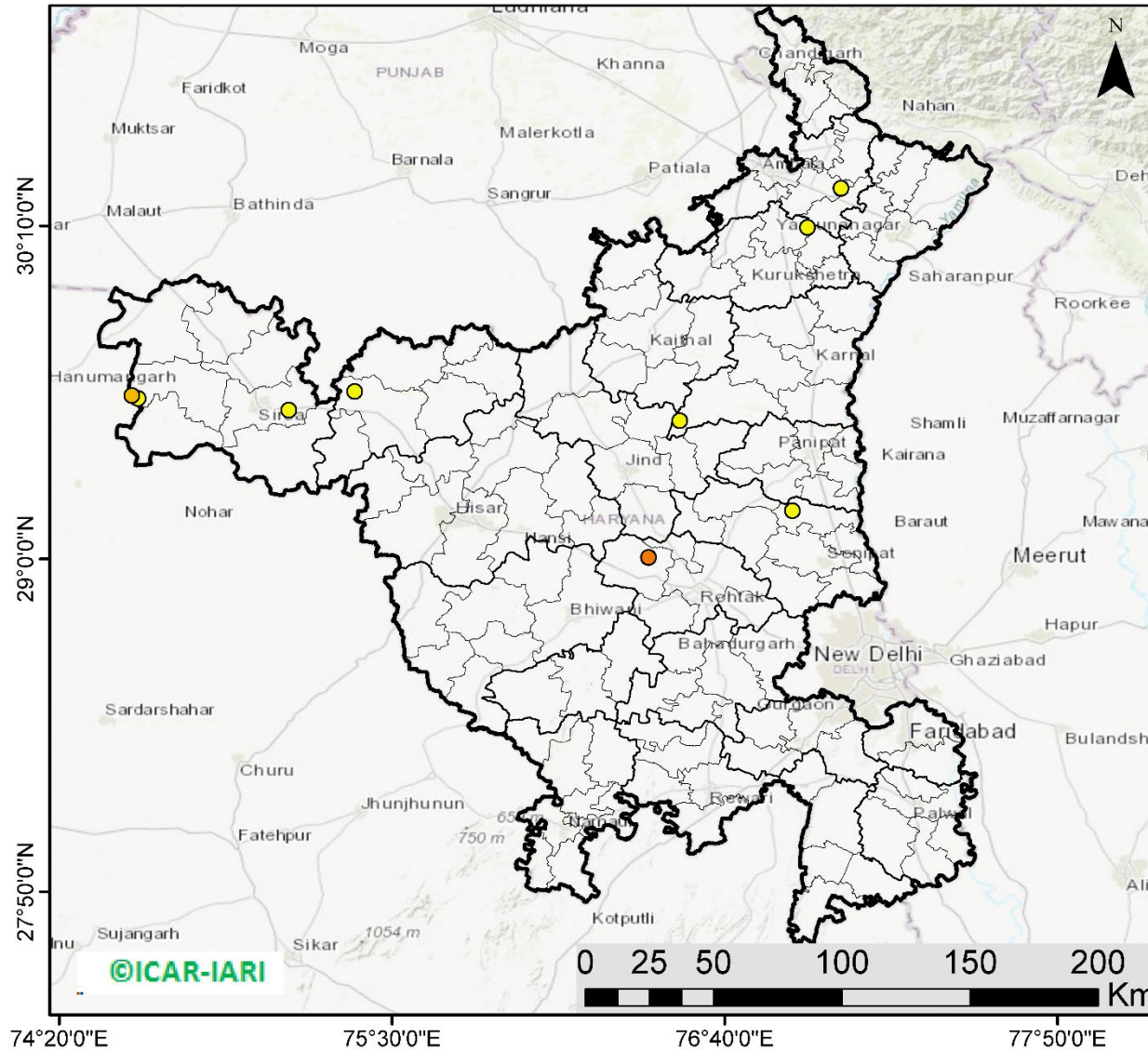
## District-wise cumulative number of residues burning events in Punjab (15 Sep - 28 Nov-2021)





# Haryana

## RICE RESIDUE BURNING IN HARYANA



**09** burning events detected in Haryana on 28th November 2021

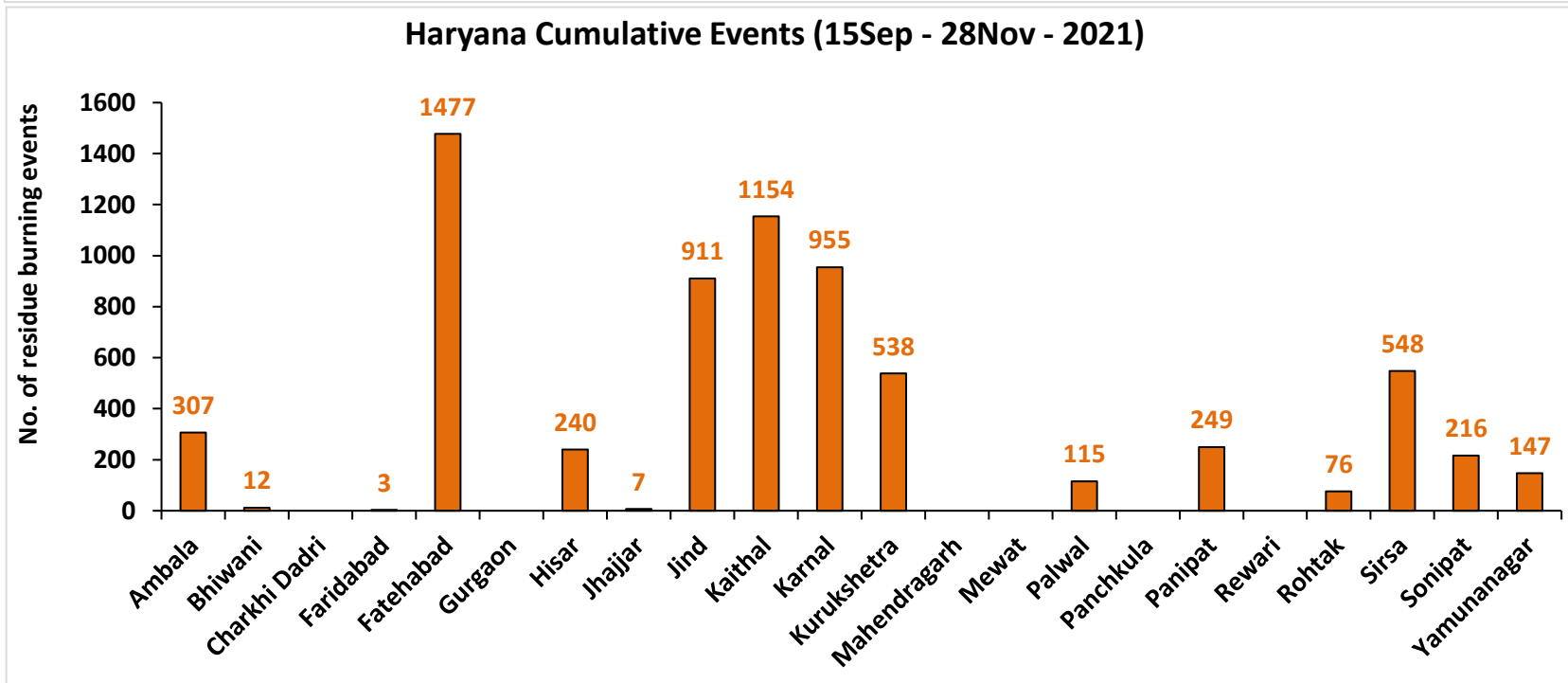
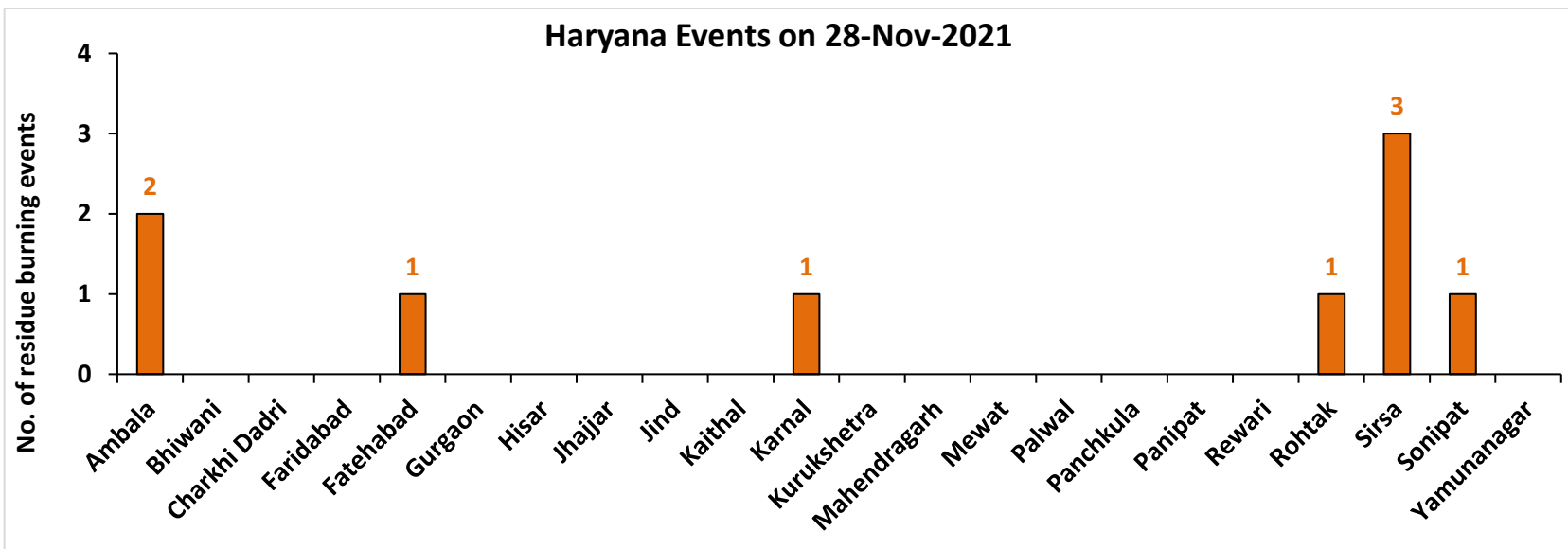
### Fire Intensity (W/m<sup>2</sup>)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



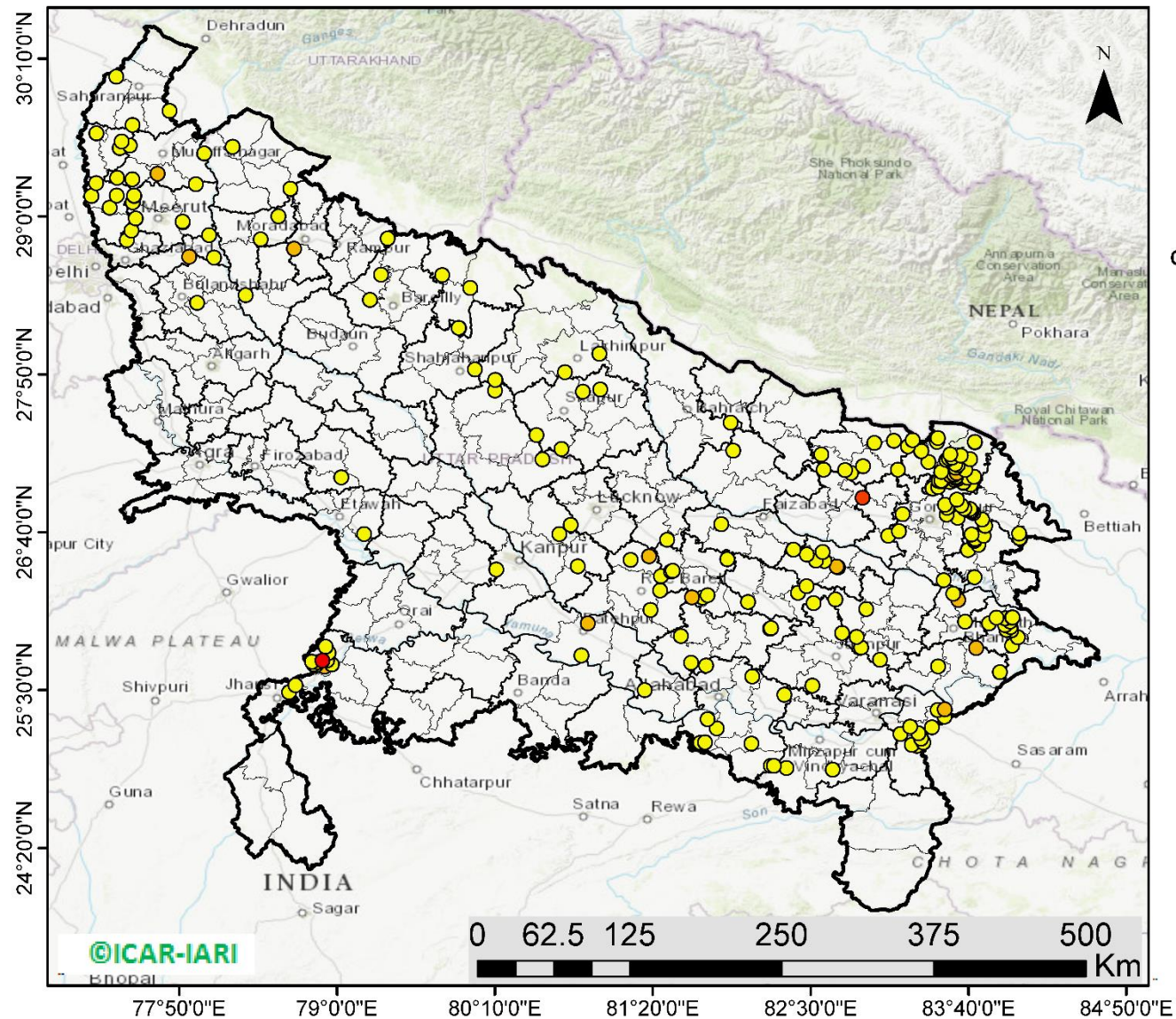
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Haryana (15 Sep - 28 Nov-2021)



## Uttar Pradesh

### RICE RESIDUE BURNING IN UTTAR PRADESH



**241** burning events detected in Uttar Pradesh on 28th November 2021

#### Fire Intensity (W/m<sup>2</sup>)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20

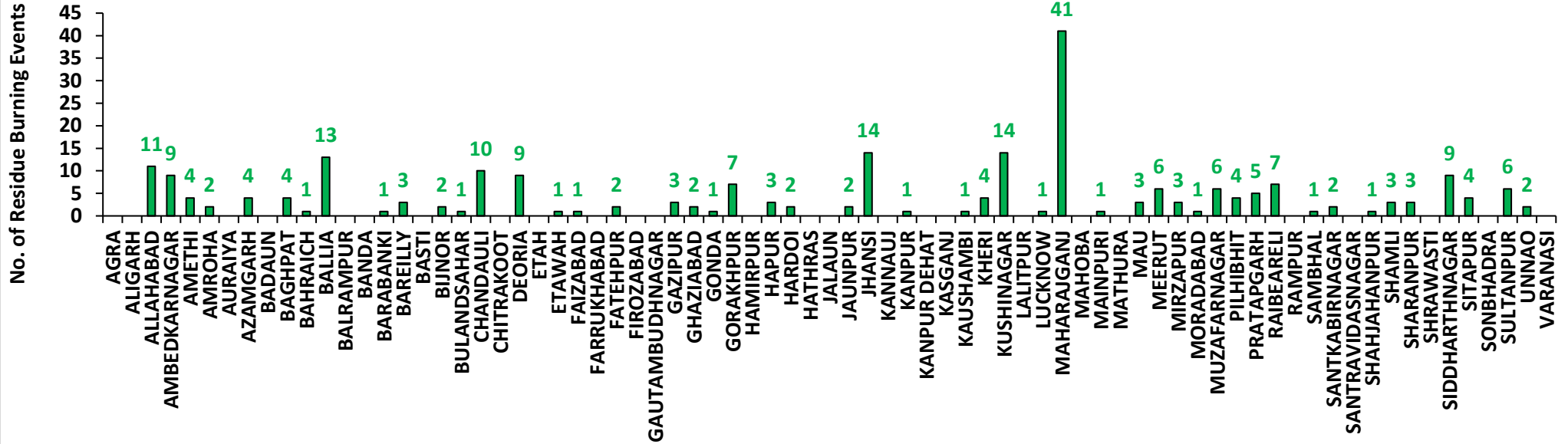


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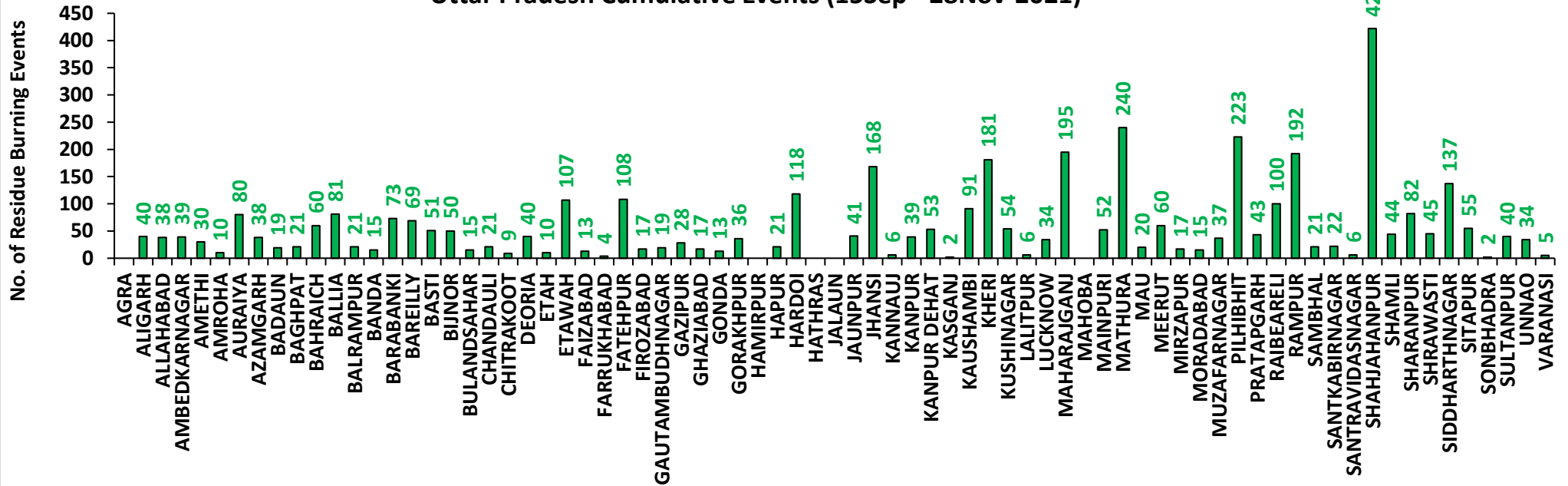


## District-wise cumulative number of residues burning events in Uttar Pradesh (15 Sep - 28 Nov-2021)

### Uttar Pradesh Events on 28-Nov-2021

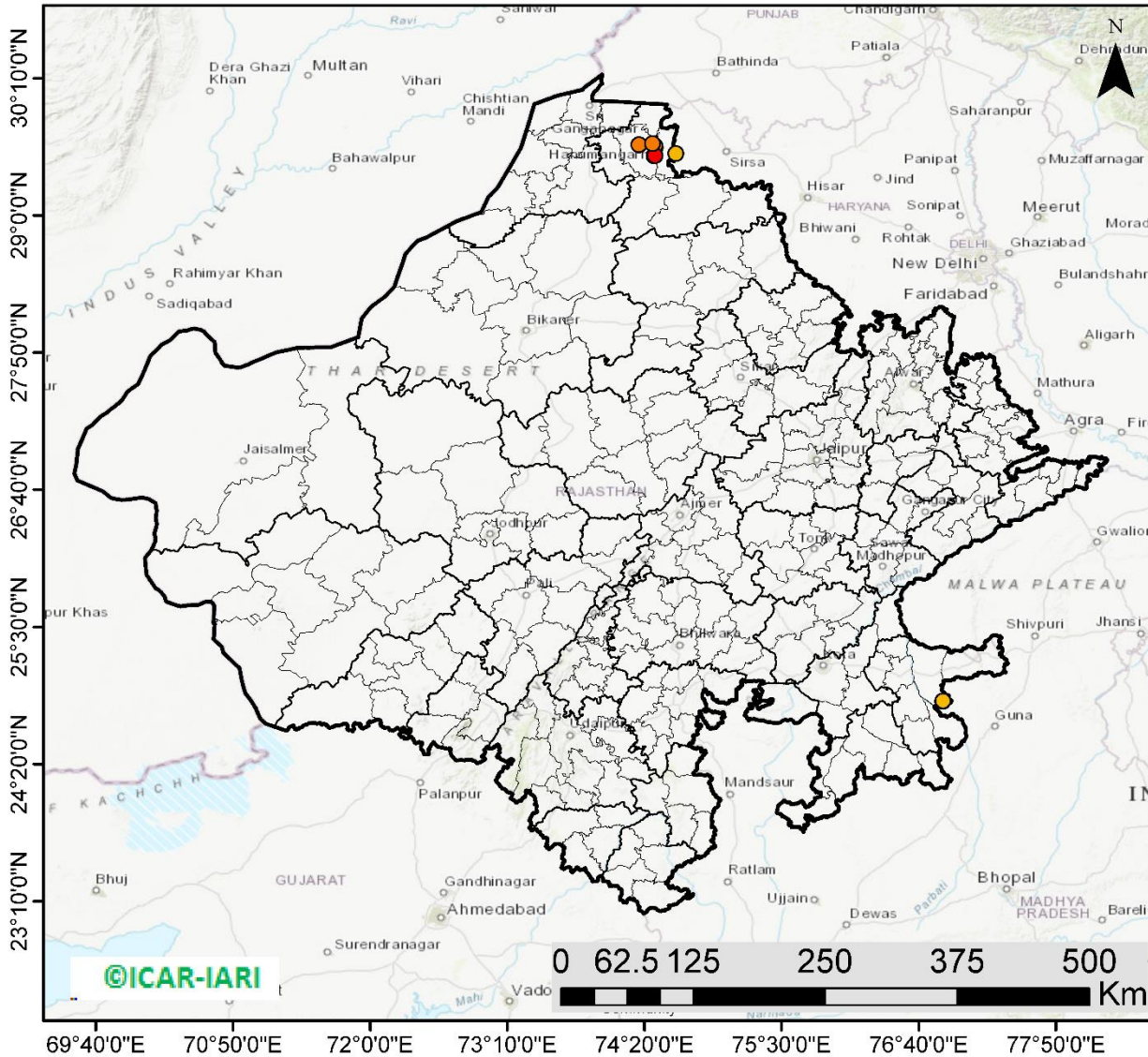


### Uttar Pradesh Cumulative Events (15Sep - 28Nov-2021)



# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**12** burning events detected in Rajasthan on **28th November 2021**

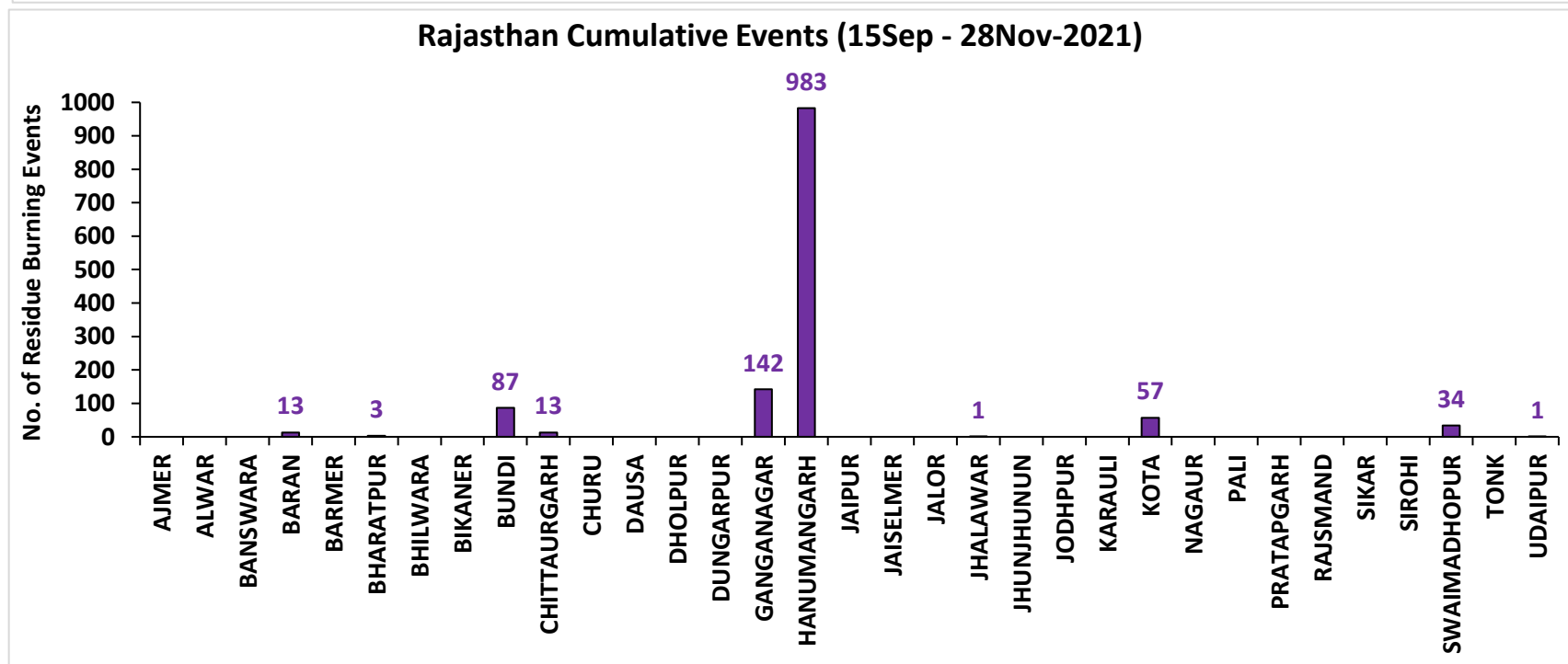
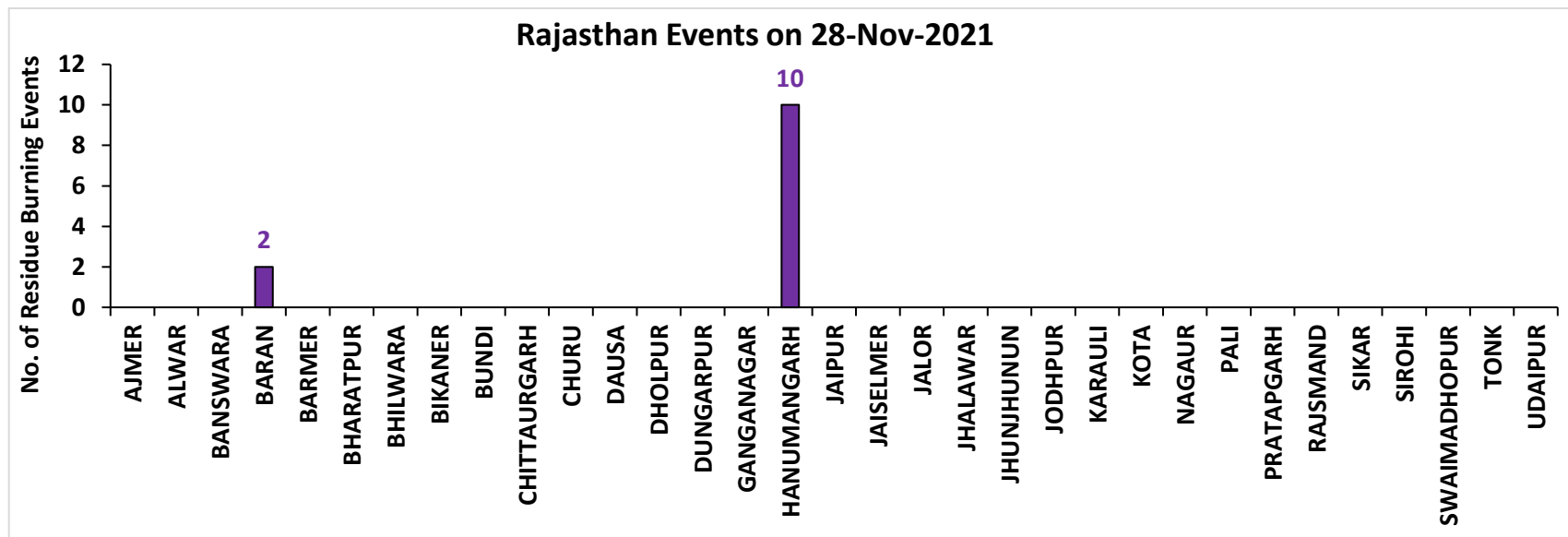
### Fire Intensity (W/m<sup>2</sup>)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



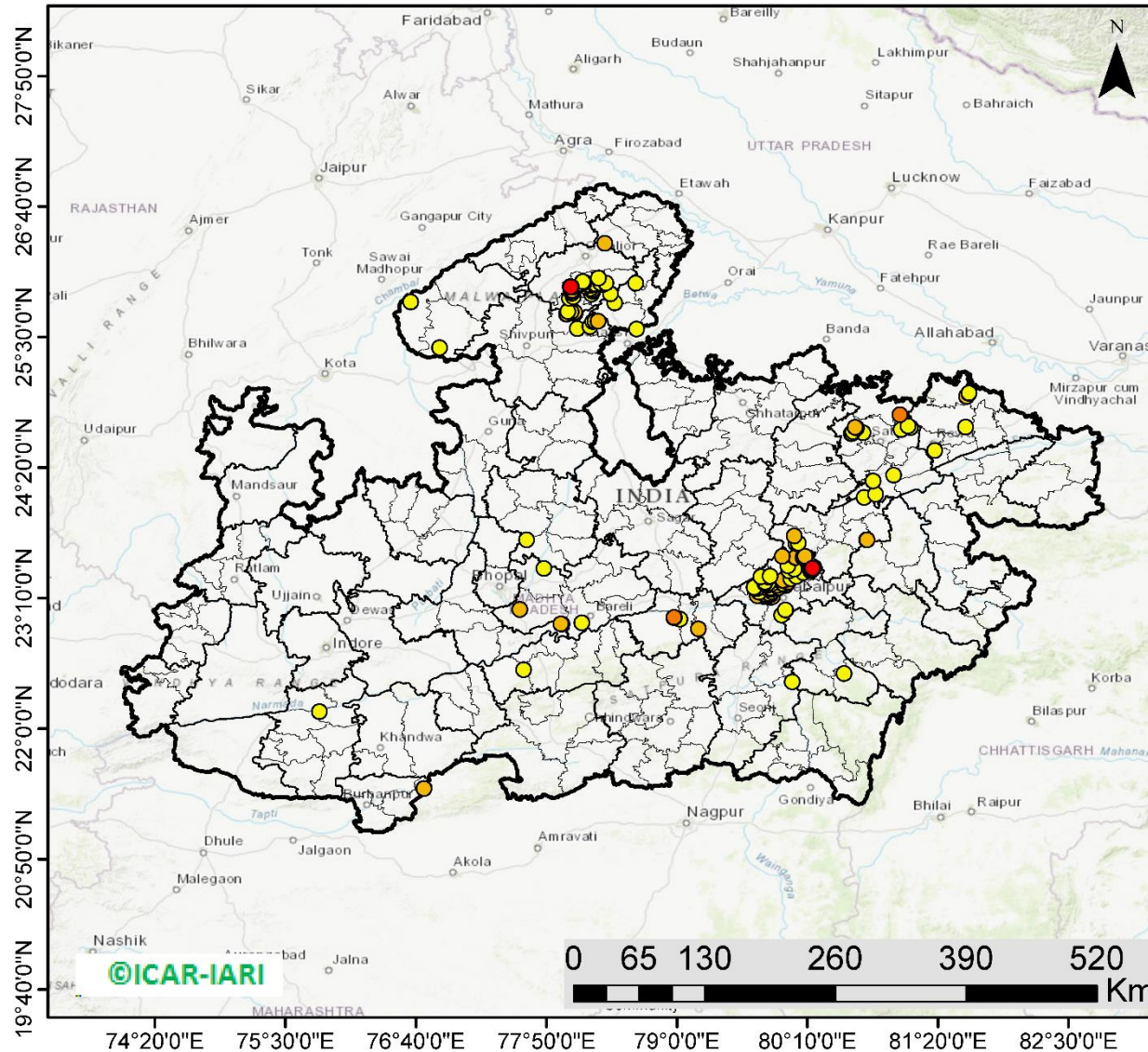
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Rajasthan (15 Sep - 28 Nov-2021)



# Madhya Pradesh

## RICE RESIDUE BURNING IN MADHYA PRADESH



**163** burning events detected in MP on 28th November 2021

### Fire Intensity (W/m<sup>2</sup>)

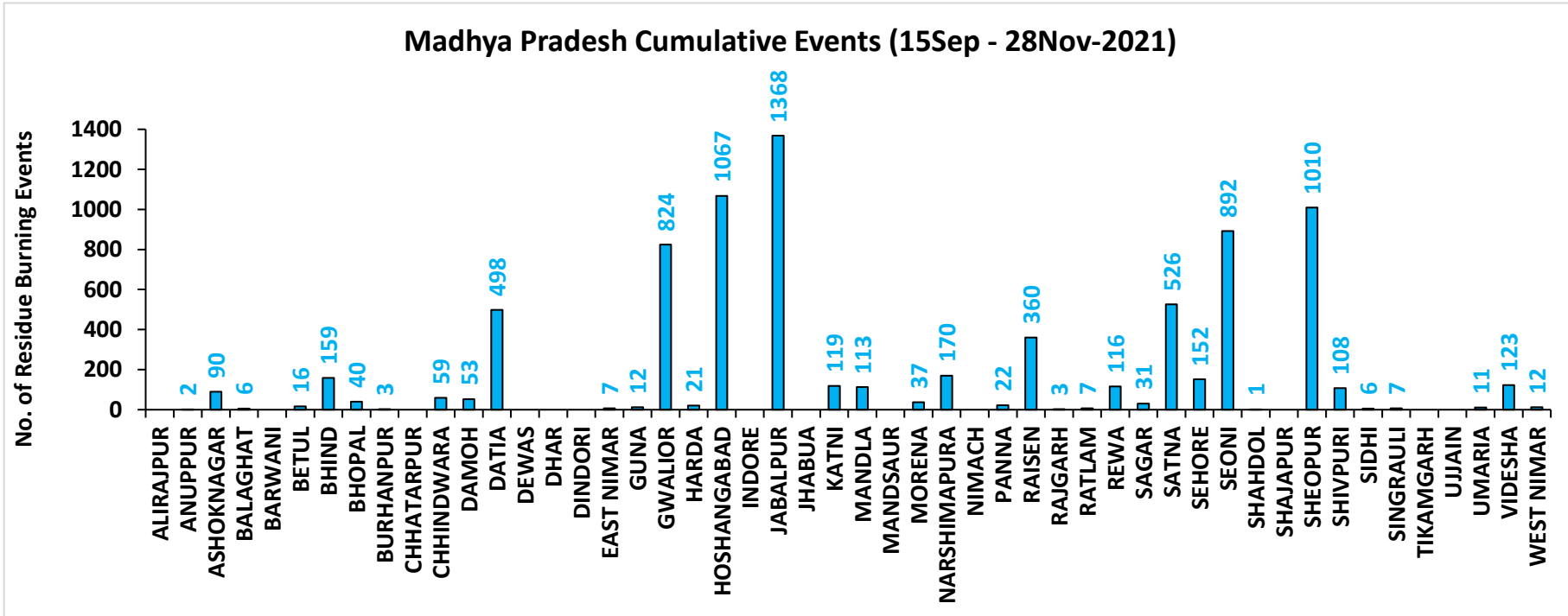
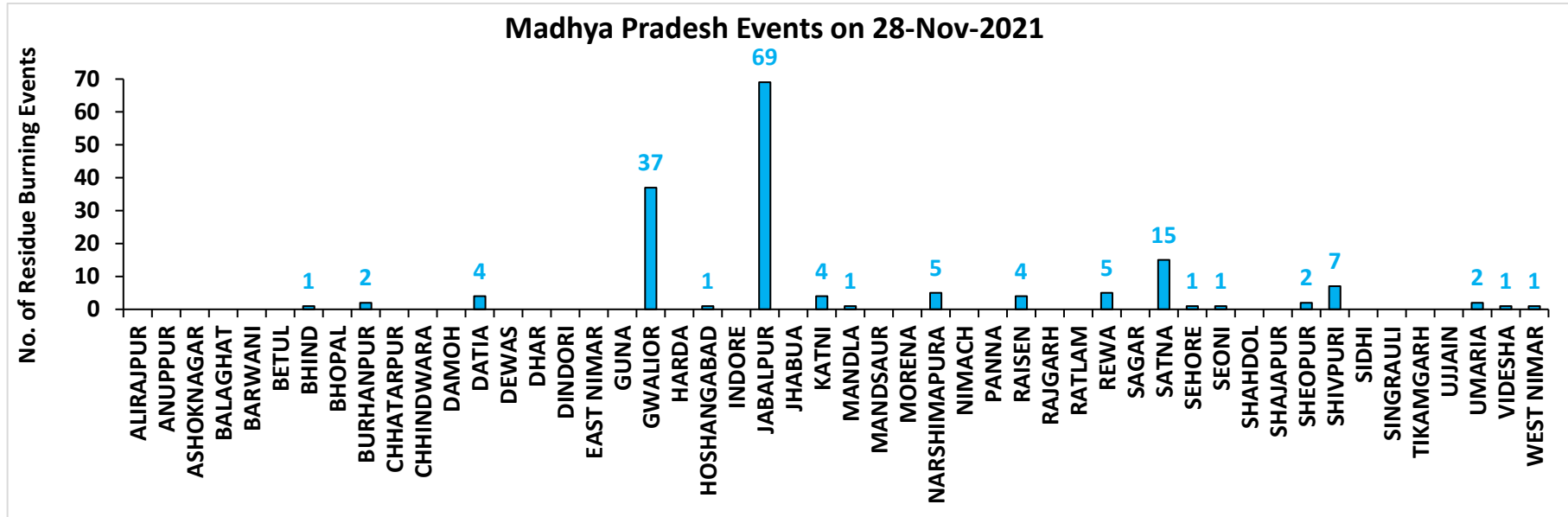
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>



## District-wise cumulative number of residues burning events in Madhya Pradesh (15 Sep - 28 Nov-2021)



**District-wise cumulative number of residues burning events detected in 2020 and 2021**  
**(Period: 15 September - 28 November)**

**(a) Punjab**

District	15 Sep – 28 Nov	
	2020	2021
AMRITSAR	3065	2174
BARNALA	5338	4326
BATHINDA	5233	4481
FARIDKOT	4733	3953
FATEHGARH SAHIB	1536	1722
FAZILKA	2599	2389
FIROZPUR	8523	6289
GURDASPUR	2129	1393
HOSHIARPUR	387	331
JALANDHAR	1949	2547
KAPURTHALA	1884	1797
LUDHIANA	5061	5814
MANSA	3782	3217
MOGA	7414	6515
MUKTSAR	5056	4596
PATHANKOT	13	6
PATIALA	6432	5426
RUPNAGAR	205	307
SANGRUR	11724	9389
SAS NAGAR (MOHALI)	127	147
SBS NAGAR	131	355
TARN TARAN	5605	4117
<b>Total</b>	<b>82926</b>	<b>71291</b>

**(b) Haryana**

District	15 Sep – 28 Nov	
	2020	2021
AMBALA	346	307
BHIWANI	4	12
CHARKHI DADRI	0	0
FARIDABAD	1	3
FATEHABAD	868	1477
GURGAON	0	0
HISAR	56	240
JHAJJAR	6	7
JIND	344	911
KAITHAL	840	1154
KARNAL	581	955
KURUKSHETRA	406	538
MAHENDRAGARH	0	0
MEWAT	0	0
PALWAL	46	115
PANCHKULA	0	0
PANIPAT	51	249
REWARI	0	0
ROHTAK	50	76
SIRSA	308	548
SONIPAT	71	216
YAMUNANAGAR	142	147
<b>Total</b>	<b>4120</b>	<b>6955</b>

(c) Uttar Pradesh

District	15 Sep – 28 Nov							
	2020	2021						
			GAUTAMBUDHNAGAR	15	19	MUZAFARNAGAR	56	37
AGRA	7	0	GAZIPUR	27	28	PILHIBHIT	26	223
ALIGARH	113	40	GHAZIABAD	26	17	PRATAPGARH	41	43
ALLAHABAD	41	38	GONDA	12	13	RAIBEARELI	41	100
AMBEDKARNAGAR	42	39	GORAKHPUR	46	36	RAMPUR	163	192
AMETHI	9	30	HAMIRPUR	6	0	SAMBHAL	19	21
AMROHA	16	10	HAPUR	33	21	SANTKABIRNAGAR	32	22
AURAIYA	95	80	HARDOI	102	118	SANTRAVIDASNAGAR	4	6
AZAMGARH	64	38	HATHRAS	0	0	SHAHJAHANPUR	149	422
BADAUN	14	19	JALAUN	44	0	SHAMLI	49	44
BAGHPAT	22	21	JAUNPUR	49	41	SHARANPUR	103	82
BAHRAICH	107	60	JHANSI	363	168	SHRAWASTI	47	45
BALLIA	154	81	KANNAUJ	33	6	SIDDHARTHANAGAR	76	137
BALRAMPUR	69	21	KANPUR	35	39	SITAPUR	77	55
BANDA	40	15	KANPUR DEHAT	89	53	SONBHADRA	0	2
BARABANKI	36	73	KASGANJ	3	2	SULTANPUR	11	40
BAREILLY	88	69	KAUSHAMBI	93	91	UNNAO	46	34
BASTI	58	51	KHERI	185	181	VARANASI	2	5
BIJNOR	45	50	KUSHINAGAR	82	54	<b>Total</b>	<b>4178</b>	<b>4115</b>
BULANDSAHAR	64	15	LALITPUR	3	6			
CHANDAULI	29	21	LUCKNOW	35	34			
CHITRAKOOT	12	9	MAHARAJGANJ	56	195			
DEORIA	85	40	MAHOBA	27	0			
ETAH	17	10	MAINPURI	65	52			
ETAWAH	82	107	MATHURA	161	240			
FAIZABAD	15	13	MAU	38	20			
FARRUKHABAD	7	4	MEERUT	82	60			
FATEHPUR	124	108	MIRZAPUR	11	17			
FIROZABAD	27	17	MORADABAD	33	15			

**(d) Delhi**

District	15 Sep – 28 Nov	
	2020	2021
CENTRAL	0	0
EAST	0	0
NEW DELHI	0	0
NORTH	3	3
NORTH EAST	0	0
NORTH WEST DELHI	3	1
SHAHADRA	0	0
SOUTH	1	0
SOUTH EAST	0	0
SOUTH WEST DELHI	0	0
WEST DELHI	2	0
<b>Total</b>	<b>9</b>	<b>4</b>

**(e) Rajasthan**

District	15 Sep – 28 Nov	
	2020	2021
AJMER	3	0
ALWAR	10	0
BANSWARA	0	0
BARAN	167	13
BARMER	4	0
BHARATPUR	2	3
BHILWARA	11	0
BIKANER	1	0
BUNDI	128	87
CHITTAURGARH	4	13
CHURU	0	0
DAUSA	1	0
DHOLPUR	0	0
DUNGARPUR	0	0
GANGANAGAR	222	142
HANUMANGARH	910	983
JAIPUR	4	0
JAISELMER	5	0
JALOR	2	0
JHALAWAR	10	1
JHUNJHUNUN	1	0
JODHPUR	5	0
KARALI	1	0
KOTA	116	57
NAGPUR	4	0
PALI	11	0
PRATAPGARH	8	0
RAJSMAND	1	0
SIKAR	1	0
SIROHI	2	0
SWAIMADHOPUR	65	34
TONK	5	0
UDAIPUR	2	1
<b>Total</b>	<b>1706</b>	<b>1334</b>



(f) Madhya Pradesh

District	15 Sep – 28 Nov				
	2020	2021			
			PANNA	50	22
ALIRAJPUR	0	0	RAISEN	607	360
ANUPPUR	3	2	RAJGARH	11	3
ASHOKNAGAR	156	90	RATLAM	10	7
BALAGHAT	8	6	REWA	137	116
BARWANI	5	0	SAGAR	28	31
BETUL	36	16	SATNA	572	526
BHIND	266	159	SEHORE	163	152
BHOPAL	52	40	SEONI	1231	892
BURHANPUR	16	3	SHAHDOL	3	1
CHHATARPUR	9	0	SHAJAPUR	20	0
CHHINDWARA	135	59	SHEOPUR	1860	1010
DAMOH	75	53	SHIVPURI	386	108
DATIA	1187	498	SIDHI	4	6
DEWAS	8	0	SINGRAULI	0	7
DHAR	47	0	TIKAMGARH	4	0
DINDORI	0	0	UJJAIN	14	0
EAST NIMAR	23	7	UMARIA	8	11
GUNA	70	12	VIDESHA	145	123
GWALIOR	2051	824	WEST NIMAR	68	12
HARDA	14	21	<b>Total</b>	<b>14024</b>	<b>8051</b>
HOSHANGABAD	1059	1067			
INDORE	4	0			
JABALPUR	2636	1368			
JHABUA	0	0			
KATNI	326	119			
MANDLA	147	113			
MANDSAUR	14	0			
MORENA	62	37			
NARSHIMAPURA	292	170			
NIMACH	2	0			

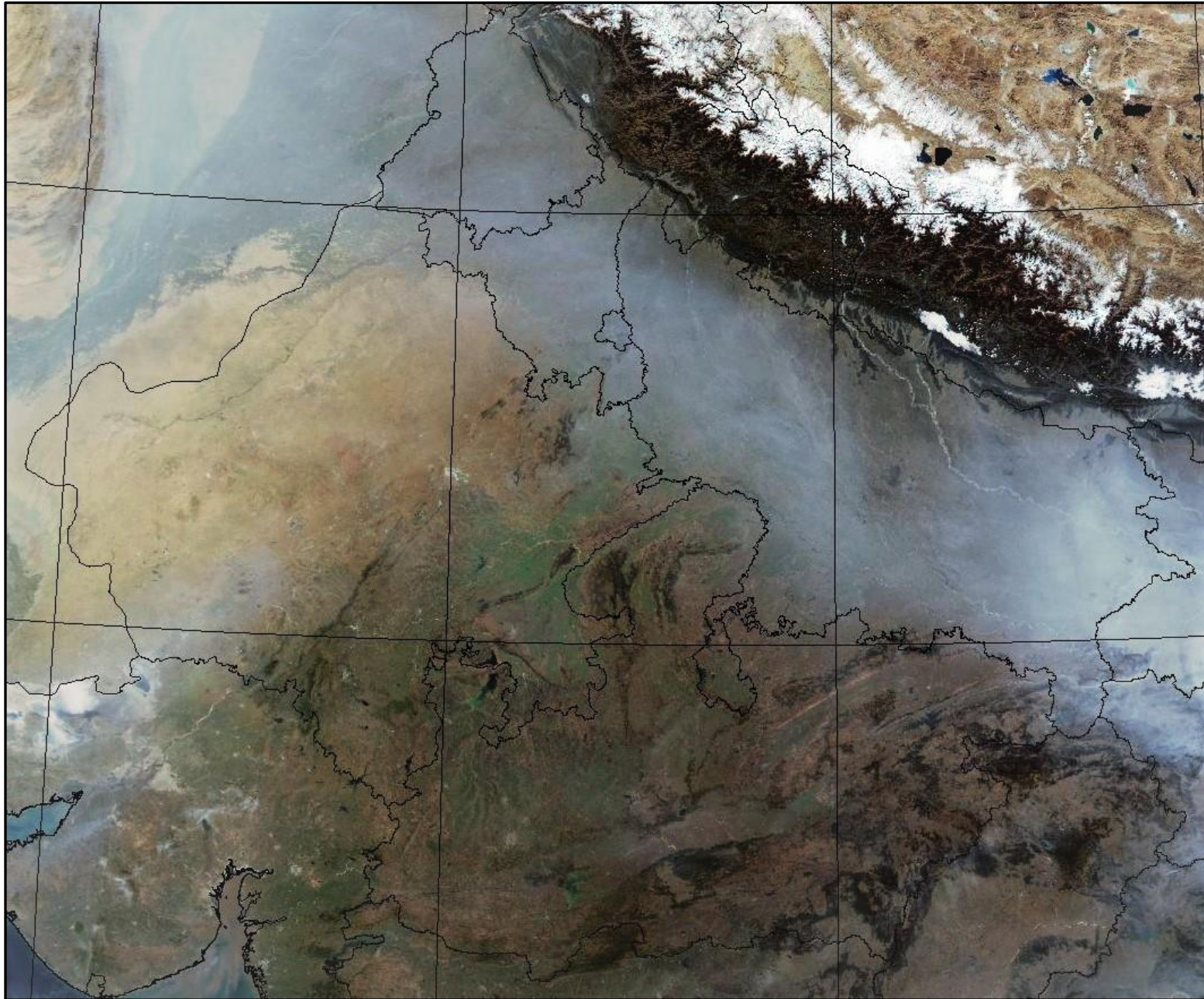
**State-wise and date-wise number of paddy residue burning events detected in 2020 and 2021**  
**(Period: 15 September – 28 November)**

<b>Number of Paddy Residue Burning Events Detected</b>												
	<b>Punjab</b>		<b>Haryana</b>		<b>Uttar Pradesh</b>		<b>Delhi</b>		<b>Rajasthan</b>		<b>Madhya Pradesh</b>	
	<b>2020</b>	<b>2021</b>	<b>2020</b>	<b>2021</b>	<b>2020</b>	<b>2021</b>	<b>2020</b>	<b>2021</b>	<b>2020</b>	<b>2021</b>	<b>2020</b>	<b>2021</b>
<b>15-Sep</b>	5	0	2	0	1	0	0	0	1	0	2	0
<b>16-Sep</b>	0	2	1	0	0	0	0	0	0	0	0	0
<b>17-Sep</b>	5	0	3	0	0	0	0	0	0	0	0	0
<b>18-Sep</b>	17	9	0	0	0	1	0	0	0	0	0	0
<b>19-Sep</b>	30	5	2	0	0	1	0	0	0	0	0	0
<b>20-Sep</b>	67	8	6	0	2	0	0	0	0	0	0	0
<b>21-Sep</b>	54	0	2	0	1	0	0	0	1	0	2	0
<b>22-Sep</b>	34	0	1	0	1	0	0	0	0	0	0	0
<b>23-Sep</b>	49	0	0	0	1	0	0	0	1	0	0	0
<b>24-Sep</b>	78	5	0	0	1	1	0	0	0	0	0	0
<b>25-Sep</b>	184	11	11	0	5	0	0	0	1	0	0	0
<b>26-Sep</b>	190	19	5	0	8	0	0	0	1	0	2	0
<b>27-Sep</b>	78	37	8	0	4	1	0	0	0	0	1	0
<b>28-Sep</b>	55	28	6	1	1	6	0	0	0	0	1	1
<b>29-Sep</b>	63	64	9	4	6	10	0	0	3	0	0	4
<b>30-Sep</b>	116	27	22	2	13	13	1	0	1	0	5	0
<b>01-Oct</b>	165	13	15	4	7	13	0	0	4	1	13	0
<b>02-Oct</b>	141	0	30	2	12	0	1	0	7	0	12	0
<b>03-Oct</b>	110	9	8	6	4	3	0	0	9	0	5	1
<b>04-Oct</b>	162	23	29	2	8	0	0	0	15	0	4	2
<b>05-Oct</b>	161	18	17	3	14	2	0	0	14	0	13	1
<b>06-Oct</b>	171	42	30	0	12	1	1	0	16	0	37	1
<b>07-Oct</b>	197	72	32	11	41	13	0	0	14	1	31	1
<b>08-Oct</b>	95	108	29	27	25	11	0	0	11	0	17	2
<b>09-Oct</b>	121	114	20	39	15	20	0	0	12	0	15	4
<b>10-Oct</b>	232	150	33	95	9	54	0	0	14	1	18	10
<b>11-Oct</b>	377	64	90	51	23	28	0	0	21	7	32	2

<b>12-Oct</b>	388	97	69	51	46	23	0	0	24	1	44	1
<b>13-Oct</b>	266	132	47	91	36	42	0	0	7	5	21	2
<b>14-Oct</b>	605	229	69	98	9	68	0	0	16	1	15	11
<b>15-Oct</b>	449	660	106	363	15	149	0	0	9	8	8	27
<b>16-Oct</b>	654	429	80	176	21	121	1	0	12	2	23	13
<b>17-Oct</b>	1172	14	143	0	38	39	0	0	26	0	63	1
<b>18-Oct</b>	938	57	166	1	76	0	0	0	37	2	88	0
<b>19-Oct</b>	1080	496	72	55	43	5	0	0	27	5	49	1
<b>20-Oct</b>	890	788	62	155	31	1	0	0	26	4	9	21
<b>21-Oct</b>	1392	597	101	131	25	5	2	0	32	2	112	30
<b>22-Oct</b>	1665	1111	128	140	32	3	0	0	29	5	183	29
<b>23-Oct</b>	1438	620	106	218	84	8	1	0	23	7	204	32
<b>24-Oct</b>	911	0	57	38	63	11	0	0	20	4	150	34
<b>25-Oct</b>	1416	76	155	71	50	18	1	0	18	2	144	60
<b>26-Oct</b>	2126	329	77	175	33	41	0	0	34	3	178	55
<b>27-Oct</b>	2563	279	96	93	40	58	0	0	42	1	294	62
<b>28-Oct</b>	3232	906	139	149	87	35	0	0	45	4	537	110
<b>29-Oct</b>	1624	1353	52	161	139	32	0	0	29	23	349	97
<b>30-Oct</b>	3946	1373	100	148	50	53	0	0	17	20	428	168
<b>31-Oct</b>	3531	2895	108	353	49	170	0	0	37	15	455	299
<b>01-Nov</b>	3835	1796	151	124	74	157	0	0	51	5	709	198
<b>02-Nov</b>	4098	3001	111	203	82	87	0	0	55	19	820	214
<b>03-Nov</b>	2818	2512	93	197	197	66	1	0	34	20	771	148
<b>04-Nov</b>	4584	3032	72	228	152	123	0	0	46	19	618	123
<b>05-Nov</b>	4529	5327	66	331	52	70	0	0	46	45	474	320
<b>06-Nov</b>	5382	3942	151	219	43	208	0	0	40	32	678	248
<b>07-Nov</b>	5491	5199	150	182	86	46	0	0	57	38	848	199
<b>08-Nov</b>	3674	4397	115	138	169	21	0	0	33	44	981	170
<b>09-Nov</b>	1718	5079	21	217	115	51	0	1	34	48	495	330
<b>10-Nov</b>	3127	4008	80	184	101	77	0	0	48	40	346	380
<b>11-Nov</b>	2822	4156	93	126	71	151	0	1	75	55	418	506
<b>12-Nov</b>	1989	3403	83	127	108	120	0	0	31	40	422	185
<b>13-Nov</b>	2441	3742	105	210	172	95	0	2	54	78	670	171
<b>14-Nov</b>	307	2541	35	195	258	49	0	0	16	88	294	346
<b>15-Nov</b>	32	1761	31	129	29	67	0	0	6	51	35	353
<b>16-Nov</b>	8	1757	0	269	15	138	0	0	16	81	145	660

<b>17-Nov</b>	248	523	9	101	38	177	0	0	60	38	191	261
<b>18-Nov</b>	670	680	60	111	62	14	0	0	75	77	352	126
<b>19-Nov</b>	454	448	37	132	129	11	0	0	27	73	124	16
<b>20-Nov</b>	677	283	77	127	134	20	0	0	59	53	106	6
<b>21-Nov</b>	457	168	65	178	135	106	0	0	57	72	159	95
<b>22-Nov</b>	46	66	15	91	120	276	0	0	9	21	165	188
<b>23-Nov</b>	43	91	52	59	106	186	0	0	66	61	150	262
<b>24-Nov</b>	9	34	20	37	167	87	0	0	13	26	258	224
<b>25-Nov</b>	0	31	1	41	127	80	0	0	2	30	106	343
<b>26-Nov</b>	16	21	0	48	83	74	0	0	0	11	48	318
<b>27-Nov</b>	124	19	26	28	54	257	0	0	16	33	39	416
<b>28-Nov</b>	84	5	57	9	118	241	0	0	24	12	38	163
<b>Total</b>	<b>82926</b>	<b>71291</b>	<b>4120</b>	<b>6955</b>	<b>4178</b>	<b>4115</b>	<b>9</b>	<b>4</b>	<b>1706</b>	<b>1334</b>	<b>14024</b>	<b>8051</b>

TERRA (MODIS) Satellite image (TCC) of North and Central India Acquired on 28-Nov-2021 at 10:48:00 IST by IARI Ground Station





### Details of residue burning events in Punjab on 28-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	FAZILKA	JALALABAD	AQUA	30.53000	74.32500	11/28/2021	14:09:08	D	19.50
2	HOSHIARPUR	HOSHIARPUR-1	S-NPP	31.52630	75.74650	11/28/2021	12:59:16	D	3.10
3	MUKTSAR	MUKTSAR	S-NPP	30.34540	74.45050	11/28/2021	12:59:16	D	9.20
4	MUKTSAR	MUKTSAR	AQUA	30.51300	74.40300	11/28/2021	14:09:08	D	10.10
5	PATIALA	PATRAN	S-NPP	29.98100	76.09370	11/28/2021	12:59:16	D	2.80

### Details of residue burning events in Haryana on 28-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	AMBALA	BARARA	S-NPP	30.16070	76.95670	11/28/2021	12:59:16	D	2.90
2	AMBALA	SAHA	S-NPP	30.29830	77.07410	11/28/2021	12:59:16	D	2.50
3	FATEHABAD	FATEHABAD	S-NPP	29.58610	75.36920	11/28/2021	12:59:16	D	2.70
4	KARNAL	ASSANDH	S-NPP	29.48400	76.50950	11/28/2021	12:59:16	D	2.00
5	ROHTAK	MEHAM	S-NPP	29.00460	76.39930	11/28/2021	12:59:16	D	10.80
6	SIRSA	RANIA	S-NPP	29.56170	74.61000	11/28/2021	12:59:16	D	4.60
7	SIRSA	RANIA	S-NPP	29.57190	74.58800	11/28/2021	12:59:16	D	5.10
8	SIRSA	SIRSA	S-NPP	29.52080	75.13820	11/28/2021	01:48:34	N	1.30
9	SONIPAT	GANAUR	S-NPP	29.16860	76.90420	11/28/2021	12:59:16	D	4.70

### Details of residue burning events in Uttar Pradesh on 28-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	ALLAHABAD	BARA	S-NPP	25.09650	81.68210	11/28/2021	12:59:16	D	2.30
2	ALLAHABAD	BARA	S-NPP	25.10700	81.68410	11/28/2021	01:48:34	N	0.60
3	ALLAHABAD	BARA	S-NPP	25.11030	81.68470	11/28/2021	01:48:34	N	0.60
4	ALLAHABAD	BARA	S-NPP	25.11370	81.71920	11/28/2021	12:59:16	D	5.00
5	ALLAHABAD	BARA	S-NPP	25.28390	81.73960	11/28/2021	12:59:16	D	2.20
6	ALLAHABAD	HADIYA	S-NPP	25.46440	82.30680	11/28/2021	12:59:16	D	1.90
7	ALLAHABAD	KARCHHANA	S-NPP	25.21670	81.80610	11/28/2021	01:48:34	N	0.40
8	ALLAHABAD	KORAWN	S-NPP	24.93950	82.20710	11/28/2021	12:59:16	D	3.80
9	ALLAHABAD	KORAWN	S-NPP	24.93960	82.22870	11/28/2021	12:59:16	D	2.70
10	ALLAHABAD	MEZA	S-NPP	25.10380	82.06260	11/28/2021	12:59:16	D	3.50
11	ALLAHABAD	PHULPUR	S-NPP	25.60030	82.06880	11/28/2021	12:59:16	D	2.10
12	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.40880	82.69420	11/28/2021	12:59:16	D	7.30
13	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.41210	82.69350	11/28/2021	12:59:16	D	7.30
14	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.45290	82.60250	11/28/2021	12:59:16	D	5.00
15	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.45690	82.54020	11/28/2021	12:59:16	D	1.80
16	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.50150	82.47280	11/28/2021	12:59:16	D	2.60
17	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.53760	82.37320	11/28/2021	12:59:16	D	2.50
18	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.53790	82.37360	11/28/2021	12:59:16	D	2.60
19	AMBEDKARNAGAR	JALALPUR	S-NPP	26.40670	82.70290	11/28/2021	12:59:16	D	2.90
20	AMBEDKARNAGAR	TANDA	S-NPP	26.52080	82.58970	11/28/2021	12:59:16	D	3.40
21	AMETHI	GAURIGANJ	S-NPP	26.18370	81.70300	11/28/2021	12:59:16	D	4.60
22	AMETHI	GAURIGANJ	S-NPP	26.18450	81.62280	11/28/2021	12:59:16	D	5.30
23	AMETHI	GAURIGANJ	S-NPP	26.20060	81.73930	11/28/2021	12:59:16	D	3.30
24	AMETHI	MUSAFIRKHANA	S-NPP	26.46570	81.88440	11/28/2021	12:59:16	D	2.10
25	AMROHA	AMROHA	S-NPP	28.83060	78.43670	11/28/2021	12:59:16	D	4.60
26	AMROHA	AMROHA	S-NPP	29.00130	78.56710	11/28/2021	12:59:16	D	3.20
27	AZAMGARH	LALGANJ	S-NPP	25.72280	83.01240	11/28/2021	01:48:34	N	0.50
28	AZAMGARH	LALGANJ	S-NPP	25.81410	82.87280	11/28/2021	12:59:16	D	4.30
29	AZAMGARH	NIZAMABAD	S-NPP	26.09760	82.91170	11/28/2021	12:59:16	D	2.80

30	AZAMGARH	PHULPUR	S-NPP	25.89300	82.84070	11/28/2021	12:59:16	D	1.30
31	BAGHPAT	BARAUT	S-NPP	29.06460	77.31990	11/28/2021	12:59:16	D	4.00
32	BAGHPAT	BARAUT	S-NPP	29.15160	77.18540	11/28/2021	12:59:16	D	3.20
33	BAGHPAT	BARAUT	S-NPP	29.15490	77.37310	11/28/2021	12:59:16	D	5.00
34	BAGHPAT	BARAUT	S-NPP	29.24620	77.22030	11/28/2021	12:59:16	D	4.70
35	BAHRAICH	BAHRAICH	S-NPP	27.47630	81.90890	11/28/2021	12:59:16	D	4.30
36	BALLIA	BALLIA	S-NPP	25.88960	84.03230	11/28/2021	12:59:16	D	2.40
37	BALLIA	BELTHARA ROAD	S-NPP	26.03420	83.87440	11/28/2021	12:59:16	D	4.20
38	BALLIA	RASRA	S-NPP	25.82840	83.98870	11/28/2021	12:59:16	D	1.80
39	BALLIA	RASRA	S-NPP	25.94410	83.94710	11/28/2021	12:59:16	D	1.30
40	BALLIA	RASRA	S-NPP	25.97990	83.93630	11/28/2021	12:59:16	D	1.30
41	BALLIA	RASRA	S-NPP	25.99240	83.81930	11/28/2021	12:59:16	D	3.60
42	BALLIA	SIKANDARPUR	S-NPP	25.93960	83.98350	11/28/2021	12:59:16	D	4.90
43	BALLIA	SIKANDARPUR	S-NPP	25.96600	83.97840	11/28/2021	12:59:16	D	2.30
44	BALLIA	SIKANDARPUR	S-NPP	26.00630	83.97480	11/28/2021	12:59:16	D	2.70
45	BALLIA	SIKANDARPUR	S-NPP	26.02800	83.93910	11/28/2021	12:59:16	D	1.30
46	BALLIA	SIKANDARPUR	S-NPP	26.03060	83.93830	11/28/2021	12:59:16	D	1.70
47	BALLIA	SIKANDARPUR	S-NPP	26.03570	83.98900	11/28/2021	12:59:16	D	1.90
48	BALLIA	SIKANDARPUR	S-NPP	26.03630	83.99280	11/28/2021	12:59:16	D	1.90
49	BARABANKI	H AidARGARH	S-NPP	26.61010	81.43990	11/28/2021	12:59:16	D	3.90
50	BAREILLY	AONLA	S-NPP	28.38340	79.24430	11/28/2021	12:59:16	D	1.40
51	BAREILLY	BAHERI	S-NPP	28.83630	79.37480	11/28/2021	12:59:16	D	5.00
52	BAREILLY	MIRGANJ	S-NPP	28.57030	79.32590	11/28/2021	12:59:16	D	2.90
53	BIJNOR	DHAMPUR	S-NPP	29.20440	78.65600	11/28/2021	12:59:16	D	2.90
54	BIJNOR	NAJIBABAD	S-NPP	29.51490	78.22890	11/28/2021	12:59:16	D	2.80
55	BULANSAHAR	BULANSHahr	S-NPP	28.36130	77.96680	11/28/2021	12:59:16	D	2.60
56	CHANDAULI	CHAKIA	S-NPP	25.08650	83.28580	11/28/2021	12:59:16	D	1.50
57	CHANDAULI	CHAKIA	S-NPP	25.09420	83.24800	11/28/2021	12:59:16	D	1.90
58	CHANDAULI	CHAKIA	S-NPP	25.11150	83.33340	11/28/2021	12:59:16	D	2.70
59	CHANDAULI	CHAKIA	S-NPP	25.13970	83.31580	11/28/2021	12:59:16	D	2.80
60	CHANDAULI	CHANDAULI	S-NPP	25.17980	83.29670	11/28/2021	12:59:16	D	1.20
61	CHANDAULI	CHANDAULI	S-NPP	25.22360	83.39690	11/28/2021	12:59:16	D	1.60
62	CHANDAULI	CHANDAULI	S-NPP	25.22850	83.23480	11/28/2021	12:59:16	D	2.80



63	CHANDAULI	CHANDAULI	S-NPP	25.30370	83.48960	11/28/2021	12:59:16	D	1.50
64	CHANDAULI	CHANDAULI	S-NPP	25.35250	83.44000	11/28/2021	12:59:16	D	1.90
65	CHANDAULI	CHANDAULI	S-NPP	25.35730	83.49110	11/28/2021	12:59:16	D	6.00
66	DEORIA	BARHAJ	S-NPP	26.33420	83.71060	11/28/2021	12:59:16	D	2.20
67	DEORIA	DEORIA	S-NPP	26.57270	83.74030	11/28/2021	12:59:16	D	1.40
68	DEORIA	DEORIA	S-NPP	26.60210	83.71080	11/28/2021	12:59:16	D	4.70
69	DEORIA	DEORIA	S-NPP	26.60540	83.71020	11/28/2021	12:59:16	D	3.00
70	DEORIA	DEORIA	S-NPP	26.61330	83.71660	11/28/2021	12:59:16	D	1.60
71	DEORIA	DEORIA	S-NPP	26.61660	83.71600	11/28/2021	12:59:16	D	1.60
72	DEORIA	DEORIA	S-NPP	26.64000	83.77900	11/28/2021	12:59:16	D	1.90
73	DEORIA	DEORIA	S-NPP	26.64920	83.69040	11/28/2021	12:59:16	D	1.50
74	DEORIA	RUDRAPUR	S-NPP	26.53350	83.66430	11/28/2021	12:59:16	D	3.40
75	ETAWAH	BHARTHNA	S-NPP	26.65220	79.20140	11/28/2021	12:59:16	D	4.20
76	FAIZABAD	SOHAWAL	S-NPP	26.72550	81.84020	11/28/2021	12:59:16	D	2.90
77	FATEHPUR	FATEHPUR	S-NPP	25.75440	80.80610	11/28/2021	12:59:16	D	3.20
78	FATEHPUR	FATEHPUR	S-NPP	25.99210	80.85460	11/28/2021	12:59:16	D	6.10
79	GAZIPUR	JAKHANIA	S-NPP	25.67510	83.44260	11/28/2021	12:59:16	D	1.40
80	GAZIPUR	MUHAMMADBAD	S-NPP	25.63180	83.89910	11/28/2021	12:59:16	D	3.10
81	GAZIPUR	MUHAMMADBAD	S-NPP	25.81070	83.72310	11/28/2021	12:59:16	D	8.50
82	GHAZIABAD	MODINAGAR	S-NPP	28.82400	77.44640	11/28/2021	12:59:16	D	2.00
83	GHAZIABAD	MODINAGAR	S-NPP	28.89540	77.48120	11/28/2021	12:59:16	D	2.40
84	GONDA	GONDA	S-NPP	27.26950	81.92890	11/28/2021	12:59:16	D	1.80
85	GORAKHPUR	GOLA	S-NPP	26.31210	83.48380	11/28/2021	12:59:16	D	2.40
86	GORAKHPUR	GORAKHPUR	S-NPP	26.77230	83.58710	11/28/2021	12:59:16	D	3.10
87	GORAKHPUR	GORAKHPUR	S-NPP	26.79710	83.50640	11/28/2021	12:59:16	D	2.50
88	GORAKHPUR	GORAKHPUR	S-NPP	26.84770	83.50840	11/28/2021	12:59:16	D	2.00
89	GORAKHPUR	GORAKHPUR	S-NPP	26.86900	83.49230	11/28/2021	12:59:16	D	3.10
90	GORAKHPUR	KHAJNI	S-NPP	26.67260	83.15310	11/28/2021	12:59:16	D	1.20
91	GORAKHPUR	SAHJANWA	S-NPP	26.79910	83.18060	11/28/2021	12:59:16	D	1.90
92	HAPUR	GARHMUKTESAR	S-NPP	28.69640	78.09220	11/28/2021	12:59:16	D	1.80
93	HAPUR	GARHMUKTESAR	S-NPP	28.86170	78.05510	11/28/2021	12:59:16	D	2.30
94	HAPUR	HAPUR	S-NPP	28.70230	77.90800	11/28/2021	12:59:16	D	5.60
95	HARDOI	SANDILA	S-NPP	27.20450	80.51840	11/28/2021	12:59:16	D	3.00

96	HARDOI	SHAHABAD	S-NPP	27.71280	80.16810	11/28/2021	12:59:16	D	2.20
97	JAUNPUR	MARIAHU	S-NPP	25.53310	82.51250	11/28/2021	01:48:34	N	0.40
98	JAUNPUR	SHHGANJ	S-NPP	25.92040	82.73210	11/28/2021	12:59:16	D	2.30
99	JHANSI	JHANSI	S-NPP	25.48360	78.64700	11/28/2021	12:59:16	D	4.60
100	JHANSI	JHANSI	S-NPP	25.53520	78.69380	11/28/2021	12:59:16	D	2.70
101	JHANSI	MOTH	S-NPP	25.67240	78.90930	11/28/2021	12:59:16	D	6.10
102	JHANSI	MOTH	S-NPP	25.67980	78.83820	11/28/2021	12:59:16	D	3.20
103	JHANSI	MOTH	S-NPP	25.68050	78.84210	11/28/2021	12:59:16	D	5.00
104	JHANSI	MOTH	S-NPP	25.68950	78.96230	11/28/2021	01:48:34	N	0.50
105	JHANSI	MOTH	S-NPP	25.69040	78.82770	11/28/2021	12:59:16	D	1.50
106	JHANSI	MOTH	S-NPP	25.70460	78.85710	11/28/2021	12:59:16	D	6.30
107	JHANSI	MOTH	S-NPP	25.70900	78.81520	11/28/2021	12:59:16	D	2.20
108	JHANSI	MOTH	S-NPP	25.71740	78.92320	11/28/2021	12:59:16	D	4.90
109	JHANSI	MOTH	S-NPP	25.71820	78.92710	11/28/2021	12:59:16	D	4.90
110	JHANSI	MOTH	S-NPP	25.77460	78.93820	11/28/2021	12:59:16	D	4.70
111	JHANSI	MOTH	S-NPP	25.82070	78.91620	11/28/2021	12:59:16	D	3.80
112	JHANSI	MOTH	AQUA	25.71700	78.89200	11/28/2021	14:09:08	D	27.20
113	KANPUR	KANPUR NAGAR	S-NPP	26.39120	80.17720	11/28/2021	12:59:16	D	4.70
114	KAUSHAMBI	MANJHANPUR	S-NPP	25.49990	81.27400	11/28/2021	12:59:16	D	2.40
115	KHERI	LAKHIMPUR	S-NPP	27.84970	80.68430	11/28/2021	12:59:16	D	2.20
116	KHERI	LAKHIMPUR	S-NPP	27.98470	80.93960	11/28/2021	12:59:16	D	2.70
117	KHERI	MOHMADI	S-NPP	27.79210	80.17170	11/28/2021	12:59:16	D	3.10
118	KHERI	MOHMADI	S-NPP	27.79240	80.16990	11/28/2021	12:59:16	D	2.90
119	KUSHINAGAR	HATA	S-NPP	26.71230	83.78960	11/28/2021	12:59:16	D	2.70
120	KUSHINAGAR	HATA	S-NPP	26.76010	83.76850	11/28/2021	12:59:16	D	1.90
121	KUSHINAGAR	HATA	S-NPP	26.80750	83.70380	11/28/2021	12:59:16	D	2.40
122	KUSHINAGAR	HATA	S-NPP	26.81570	83.69030	11/28/2021	12:59:16	D	3.30
123	KUSHINAGAR	HATA	S-NPP	26.81900	83.68960	11/28/2021	12:59:16	D	2.80
124	KUSHINAGAR	HATA	S-NPP	26.82110	83.68130	11/28/2021	12:59:16	D	3.40
125	KUSHINAGAR	HATA	S-NPP	26.82800	83.66000	11/28/2021	12:59:16	D	2.70
126	KUSHINAGAR	HATA	S-NPP	26.83760	83.67810	11/28/2021	12:59:16	D	3.30
127	KUSHINAGAR	HATA	S-NPP	26.84150	83.63750	11/28/2021	12:59:16	D	2.00
128	KUSHINAGAR	HATA	S-NPP	26.86410	83.61310	11/28/2021	12:59:16	D	2.60

129	KUSHINAGAR	HATA	S-NPP	26.90680	83.58090	11/28/2021	12:59:16	D	1.80
130	KUSHINAGAR	KASAYA	S-NPP	26.62030	84.04840	11/28/2021	12:59:16	D	1.40
131	KUSHINAGAR	KASAYA	S-NPP	26.62300	84.04390	11/28/2021	12:59:16	D	2.30
132	KUSHINAGAR	KASAYA	S-NPP	26.65660	84.04150	11/28/2021	12:59:16	D	1.80
133	LUCKNOW	LUCKNOW	S-NPP	26.72040	80.72770	11/28/2021	12:59:16	D	1.70
134	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.98720	83.40130	11/28/2021	12:59:16	D	1.70
135	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.99050	83.40060	11/28/2021	12:59:16	D	4.40
136	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.00060	83.44270	11/28/2021	12:59:16	D	2.80
137	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.01770	83.68310	11/28/2021	12:59:16	D	1.70
138	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.02970	83.62900	11/28/2021	12:59:16	D	1.50
139	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.03300	83.62830	11/28/2021	12:59:16	D	1.90
140	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.03830	83.53140	11/28/2021	12:59:16	D	1.90
141	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.04090	83.46750	11/28/2021	12:59:16	D	4.40
142	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.04450	83.44680	11/28/2021	12:59:16	D	2.70
143	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.04760	83.46620	11/28/2021	12:59:16	D	4.30
144	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.05040	83.56510	11/28/2021	12:59:16	D	5.70
145	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.05980	83.58780	11/28/2021	12:59:16	D	2.00
146	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.06370	83.59100	11/28/2021	12:59:16	D	2.00
147	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.06730	83.57030	11/28/2021	12:59:16	D	5.00
148	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.06880	83.66130	11/28/2021	12:59:16	D	2.50
149	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.07120	83.57360	11/28/2021	12:59:16	D	3.60
150	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.07450	83.57290	11/28/2021	12:59:16	D	3.60
151	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.07600	83.70770	11/28/2021	12:59:16	D	2.60
152	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.08560	83.53480	11/28/2021	12:59:16	D	9.40
153	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.08990	83.56200	11/28/2021	12:59:16	D	3.20
154	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.09320	83.56130	11/28/2021	12:59:16	D	3.20
155	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.10280	83.57940	11/28/2021	12:59:16	D	6.40
156	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.11230	83.46560	11/28/2021	12:59:16	D	1.80
157	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.12630	83.64280	11/28/2021	12:59:16	D	3.20
158	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.14250	83.57170	11/28/2021	12:59:16	D	1.70
159	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.16210	83.58790	11/28/2021	12:59:16	D	3.10
160	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.16920	83.57060	11/28/2021	12:59:16	D	2.50
161	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.19980	83.50470	11/28/2021	12:59:16	D	3.50

162	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.20650	83.67920	11/28/2021	12:59:16	D	4.20
163	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.21270	83.52220	11/28/2021	12:59:16	D	2.50
164	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.21640	83.54550	11/28/2021	12:59:16	D	1.60
165	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.23330	83.61010	11/28/2021	12:59:16	D	2.10
166	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.24160	83.53250	11/28/2021	12:59:16	D	4.80
167	MAHARAJGANJ	NAUTANWA	S-NPP	27.33450	83.43420	11/28/2021	12:59:16	D	2.60
168	MAHARAJGANJ	NAUTANWA	S-NPP	27.36240	83.44090	11/28/2021	12:59:16	D	4.90
169	MAHARAJGANJ	NICHLAUL	S-NPP	27.33050	83.71490	11/28/2021	12:59:16	D	2.60
170	MAHARAJGANJ	NICHLAUL	S-NPP	27.33380	83.71430	11/28/2021	12:59:16	D	2.60
171	MAHARAJGANJ	PHARENDA	S-NPP	27.12920	83.14470	11/28/2021	12:59:16	D	1.30
172	MAHARAJGANJ	PHARENDA	S-NPP	27.18560	83.37110	11/28/2021	12:59:16	D	3.20
173	MAHARAJGANJ	PHARENDA	S-NPP	27.26460	83.31540	11/28/2021	12:59:16	D	4.70
174	MAHARAJGANJ	PHARENDA	S-NPP	27.26520	83.31930	11/28/2021	12:59:16	D	4.70
175	MAINPURI	KARHAL	S-NPP	27.07200	79.03150	11/28/2021	12:59:16	D	3.20
176	MAU	GHOSI	S-NPP	26.21130	83.55510	11/28/2021	12:59:16	D	1.50
177	MAU	MADHUBAN	S-NPP	26.16670	83.59100	11/28/2021	12:59:16	D	5.90
178	MAU	MAU	S-NPP	26.00460	83.64210	11/28/2021	12:59:16	D	2.80
179	MEERUT	MAWANA	S-NPP	28.95760	77.86090	11/28/2021	12:59:16	D	1.80
180	MEERUT	MAWANA	S-NPP	28.96160	77.85990	11/28/2021	12:59:16	D	3.40
181	MEERUT	MEERUT	S-NPP	28.98550	77.51250	11/28/2021	12:59:16	D	2.40
182	MEERUT	SARDHANA	S-NPP	29.10320	77.49140	11/28/2021	12:59:16	D	2.60
183	MEERUT	SARDHANA	S-NPP	29.15090	77.50160	11/28/2021	12:59:16	D	2.00
184	MEERUT	SARDHANA	S-NPP	29.15500	77.50050	11/28/2021	12:59:16	D	2.00
185	MIRZAPUR	CHUNAR	S-NPP	25.17560	83.16410	11/28/2021	12:59:16	D	3.90
186	MIRZAPUR	LALGANJ	S-NPP	24.92330	82.32240	11/28/2021	12:59:16	D	4.00
187	MIRZAPUR	MARIHAN	S-NPP	24.91100	82.66380	11/28/2021	12:59:16	D	2.70
188	MORADABAD	BILARI	S-NPP	28.76090	78.68240	11/28/2021	12:59:16	D	5.50
189	MUZAFARNAGAR	BUDHANA	S-NPP	29.27430	77.48750	11/28/2021	12:59:16	D	3.00
190	MUZAFARNAGAR	BUDHANA	S-NPP	29.28590	77.37500	11/28/2021	12:59:16	D	2.10
191	MUZAFARNAGAR	JANSATH	S-NPP	29.23820	77.95730	11/28/2021	12:59:16	D	2.00
192	MUZAFARNAGAR	JANSATH	S-NPP	29.46540	78.01960	11/28/2021	12:59:16	D	2.60
193	MUZAFARNAGAR	KHATOLI	S-NPP	29.31610	77.67440	11/28/2021	12:59:16	D	6.60
194	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.52340	77.46840	11/28/2021	12:59:16	D	3.90

195	PILHIBHIT	BISALPUR	S-NPP	28.17490	79.90230	11/28/2021	12:59:16	D	5.90
196	PILHIBHIT	BISALPUR	S-NPP	28.17600	79.90020	11/28/2021	12:59:16	D	3.40
197	PILHIBHIT	PILHIBHIT	S-NPP	28.56720	79.77780	11/28/2021	12:59:16	D	4.30
198	PILHIBHIT	PURANPUR	S-NPP	28.47240	79.98420	11/28/2021	12:59:16	D	3.30
199	PRATAPGARH	KUNDA	S-NPP	25.68080	81.72840	11/28/2021	12:59:16	D	3.40
200	PRATAPGARH	KUNDA	S-NPP	25.70140	81.61670	11/28/2021	12:59:16	D	1.60
201	PRATAPGARH	KUNDA	S-NPP	25.89890	81.54180	11/28/2021	12:59:16	D	1.30
202	PRATAPGARH	PATTI	S-NPP	25.95230	82.20080	11/28/2021	12:59:16	D	4.00
203	PRATAPGARH	PATTI	S-NPP	25.95710	82.20840	11/28/2021	12:59:16	D	1.80
204	RAIBEARELI	MAHARAJGANG	S-NPP	26.46100	81.16970	11/28/2021	12:59:16	D	2.50
205	RAIBEARELI	MAHARAJGANG	S-NPP	26.48860	81.30610	11/28/2021	12:59:16	D	8.00
206	RAIBEARELI	RAEBARELI	S-NPP	26.09190	81.31670	11/28/2021	12:59:16	D	3.00
207	RAIBEARELI	TILOI	S-NPP	26.23510	81.38800	11/28/2021	12:59:16	D	2.40
208	RAIBEARELI	TILOI	S-NPP	26.34100	81.39450	11/28/2021	12:59:16	D	2.20
209	RAIBEARELI	TILOI	S-NPP	26.37550	81.46860	11/28/2021	12:59:16	D	3.90
210	RAIBEARELI	TILOI	S-NPP	26.38120	81.48090	11/28/2021	12:59:16	D	4.40
211	SAMBHAL	GUNNAUR	S-NPP	28.41770	78.32610	11/28/2021	12:59:16	D	2.90
212	SANTKABIRNAGAR	GHANGHATA	S-NPP	26.64070	83.07410	11/28/2021	12:59:16	D	2.00
213	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.92210	82.88430	11/28/2021	12:59:16	D	15.50
214	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.87030	80.01890	11/28/2021	12:59:16	D	1.50
215	SHAMLI	KAIRANA	S-NPP	29.61360	77.22170	11/28/2021	12:59:16	D	1.80
216	SHAMLI	SHAMLI	S-NPP	29.50450	77.39500	11/28/2021	12:59:16	D	1.70
217	SHAMLI	SHAMLI	S-NPP	29.55400	77.40830	11/28/2021	12:59:16	D	2.40
218	SHARANPUR	DEOBAND	S-NPP	29.77940	77.76280	11/28/2021	12:59:16	D	1.40
219	SHARANPUR	RAMPUR MANIHARRAN	S-NPP	29.67530	77.49000	11/28/2021	12:59:16	D	3.20
220	SHARANPUR	SHARANPUR	S-NPP	30.03350	77.36920	11/28/2021	12:59:16	D	2.70
221	SIDDHARTHANAGAR	BANSI	S-NPP	27.10480	82.79960	11/28/2021	12:59:16	D	2.70
222	SIDDHARTHANAGAR	BANSI	S-NPP	27.15350	82.88800	11/28/2021	12:59:16	D	2.50
223	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.12520	82.75450	11/28/2021	12:59:16	D	2.00
224	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.12840	82.59740	11/28/2021	12:59:16	D	1.50
225	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.24120	82.57890	11/28/2021	12:59:16	D	2.40
226	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.30080	83.21960	11/28/2021	12:59:16	D	2.10
227	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.34150	83.11480	11/28/2021	12:59:16	D	1.80

228	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.34670	83.25510	11/28/2021	12:59:16	D	1.90
229	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.32560	82.97190	11/28/2021	12:59:16	D	2.10
230	SITAPUR	LAHARPUR	S-NPP	27.70540	80.81820	11/28/2021	12:59:16	D	3.40
231	SITAPUR	LAHARPUR	S-NPP	27.72050	80.94480	11/28/2021	12:59:16	D	2.70
232	SITAPUR	MISRIK	S-NPP	27.38450	80.47520	11/28/2021	12:59:16	D	3.50
233	SITAPUR	SIDHAULI	S-NPP	27.28210	80.66010	11/28/2021	12:59:16	D	4.30
234	SULTANPUR	AMETHI	S-NPP	26.14950	82.03750	11/28/2021	12:59:16	D	2.40
235	SULTANPUR	KADIRPUR	S-NPP	26.14230	82.52290	11/28/2021	12:59:16	D	2.10
236	SULTANPUR	KADIRPUR	S-NPP	26.16900	82.68380	11/28/2021	12:59:16	D	3.40
237	SULTANPUR	KADIRPUR	S-NPP	26.21750	82.40730	11/28/2021	12:59:16	D	3.30
238	SULTANPUR	KADIRPUR	S-NPP	26.21770	82.40700	11/28/2021	12:59:16	D	2.90
239	SULTANPUR	KADIRPUR	S-NPP	26.26680	82.47100	11/28/2021	01:48:34	N	0.50
240	UNNAO	BIGHAPUR	S-NPP	26.41400	80.77960	11/28/2021	12:59:16	D	3.70
241	UNNAO	HASANGANJ	S-NPP	26.65250	80.64450	11/28/2021	12:59:16	D	2.10

**Details of residue burning events in Rajasthan on 28-Nov-2021**

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	BARAN	KISHANGUNJ	S-NPP	24.86520	76.87150	11/28/2021	12:59:16	D	2.90
2	BARAN	KISHANGUNJ	S-NPP	24.86910	76.87310	11/28/2021	12:59:16	D	6.40
3	HANUMANGARH	HANUMANGARH	S-NPP	29.59910	74.28630	11/28/2021	12:59:16	D	10.60
4	HANUMANGARH	HANUMANGARH	AQUA	29.61000	74.40200	11/28/2021	14:09:08	D	11.50
5	HANUMANGARH	TIBI	S-NPP	29.52450	74.60180	11/28/2021	12:59:16	D	7.00
6	HANUMANGARH	TIBI	S-NPP	29.57640	74.42590	11/28/2021	12:59:16	D	16.40
7	HANUMANGARH	TIBI	S-NPP	29.57900	74.42330	11/28/2021	12:59:16	D	14.20
8	HANUMANGARH	TIBI	S-NPP	29.58600	74.42310	11/28/2021	12:59:16	D	11.00
9	HANUMANGARH	TIBI	S-NPP	29.58860	74.42050	11/28/2021	12:59:16	D	20.60
10	HANUMANGARH	TIBI	S-NPP	29.59080	74.42170	11/28/2021	12:59:16	D	11.00
11	HANUMANGARH	TIBI	AQUA	29.50500	74.41600	11/28/2021	14:09:08	D	11.90
12	HANUMANGARH	TIBI	AQUA	29.50800	74.42300	11/28/2021	14:09:08	D	21.70

### Details of residue burning events in Madhya Pradesh on 28-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	BHIND	GOHAD	S-NPP	26.33750	78.35540	11/28/2021	12:59:16	D	8.10
2	BURHANPUR	KHAKNAR	S-NPP	21.46230	76.73650	11/28/2021	12:59:16	D	7.20
3	BURHANPUR	KHAKNAR	S-NPP	21.46300	76.73960	11/28/2021	12:59:16	D	7.20
4	DATIA	BHANDER	S-NPP	25.56960	78.63960	11/28/2021	12:59:16	D	1.90
5	DATIA	DATIA	S-NPP	25.64150	78.29580	11/28/2021	12:59:16	D	7.50
6	DATIA	SEONDHA	S-NPP	25.80520	78.44530	11/28/2021	12:59:16	D	3.80
7	DATIA	SEONDHA	S-NPP	25.97970	78.63200	11/28/2021	01:48:34	N	0.40
8	GWALIOR	BHITARWAR	S-NPP	25.71930	78.05070	11/28/2021	12:59:16	D	7.50
9	GWALIOR	BHITARWAR	S-NPP	25.72200	78.08630	11/28/2021	12:59:16	D	6.20
10	GWALIOR	BHITARWAR	S-NPP	25.72440	78.05400	11/28/2021	12:59:16	D	3.60
11	GWALIOR	BHITARWAR	S-NPP	25.72770	78.02590	11/28/2021	12:59:16	D	2.50
12	GWALIOR	BHITARWAR	S-NPP	25.84400	78.03980	11/28/2021	12:59:16	D	2.00
13	GWALIOR	BHITARWAR	S-NPP	25.85850	78.07310	11/28/2021	12:59:16	D	3.30
14	GWALIOR	BHITARWAR	S-NPP	25.89110	78.06090	11/28/2021	12:59:16	D	1.80
15	GWALIOR	BHITARWAR	S-NPP	25.90700	78.05260	11/28/2021	12:59:16	D	2.80
16	GWALIOR	BHITARWAR	S-NPP	25.90790	78.05690	11/28/2021	12:59:16	D	2.80
17	GWALIOR	BHITARWAR	S-NPP	25.91790	78.06340	11/28/2021	12:59:16	D	8.10
18	GWALIOR	BHITARWAR	S-NPP	25.93250	78.22470	11/28/2021	12:59:16	D	2.50
19	GWALIOR	BHITARWAR	S-NPP	25.94470	78.06600	11/28/2021	12:59:16	D	2.90
20	GWALIOR	BHITARWAR	S-NPP	25.94550	78.04780	11/28/2021	12:59:16	D	1.80
21	GWALIOR	BHITARWAR	S-NPP	25.94560	78.07030	11/28/2021	12:59:16	D	2.80
22	GWALIOR	BHITARWAR	S-NPP	25.94970	78.04680	11/28/2021	12:59:16	D	2.70
23	GWALIOR	BHITARWAR	S-NPP	25.95070	78.18500	11/28/2021	12:59:16	D	5.70
24	GWALIOR	BHITARWAR	S-NPP	25.95900	78.22720	11/28/2021	12:59:16	D	2.40
25	GWALIOR	BHITARWAR	S-NPP	25.96980	78.19380	11/28/2021	12:59:16	D	3.80
26	GWALIOR	BHITARWAR	S-NPP	25.97320	78.14420	11/28/2021	12:59:16	D	3.60
27	GWALIOR	BHITARWAR	S-NPP	25.97400	78.14840	11/28/2021	12:59:16	D	3.60
28	GWALIOR	BHITARWAR	S-NPP	25.98730	78.17190	11/28/2021	12:59:16	D	3.00
29	GWALIOR	BHITARWAR	S-NPP	25.98810	78.17240	11/28/2021	12:59:16	D	2.40

30	GWALIOR	BHITARWAR	S-NPP	25.99310	78.15720	11/28/2021	12:59:16	D	2.20
31	GWALIOR	BHITARWAR	S-NPP	25.99380	78.15780	11/28/2021	12:59:16	D	2.40
32	GWALIOR	BHITARWAR	AQUA	25.94700	78.05700	11/28/2021	14:09:08	D	21.90
33	GWALIOR	BHITARWAR	AQUA	25.94800	78.05200	11/28/2021	14:09:08	D	23.90
34	GWALIOR	DABRA	S-NPP	25.88240	78.23620	11/28/2021	12:59:16	D	4.20
35	GWALIOR	DABRA	S-NPP	25.88520	78.40530	11/28/2021	12:59:16	D	3.40
36	GWALIOR	DABRA	S-NPP	25.90690	78.24840	11/28/2021	12:59:16	D	9.50
37	GWALIOR	DABRA	S-NPP	25.92340	78.24450	11/28/2021	12:59:16	D	2.30
38	GWALIOR	DABRA	S-NPP	25.96730	78.26910	11/28/2021	12:59:16	D	2.90
39	GWALIOR	DABRA	S-NPP	25.96800	78.33850	11/28/2021	12:59:16	D	3.50
40	GWALIOR	DABRA	S-NPP	25.97140	78.26820	11/28/2021	12:59:16	D	2.90
41	GWALIOR	DABRA	S-NPP	25.97220	78.27230	11/28/2021	12:59:16	D	2.90
42	GWALIOR	DABRA	S-NPP	25.98120	78.31800	11/28/2021	12:59:16	D	2.10
43	GWALIOR	DABRA	S-NPP	25.98190	78.36540	11/28/2021	12:59:16	D	3.60
44	GWALIOR	DABRA	S-NPP	26.02650	78.29920	11/28/2021	12:59:16	D	2.80
45	HOSHANGABAD	SEONI MALWA	S-NPP	22.52400	77.63000	11/28/2021	01:48:34	N	1.60
46	JABALPUR	JABALPUR	S-NPP	23.01270	79.93660	11/28/2021	12:59:16	D	3.80
47	JABALPUR	JABALPUR	S-NPP	23.05650	79.97320	11/28/2021	12:59:16	D	5.40
48	JABALPUR	JABALPUR	S-NPP	23.05850	79.97150	11/28/2021	12:59:16	D	4.40
49	JABALPUR	JABALPUR	S-NPP	23.17020	79.83570	11/28/2021	12:59:16	D	2.00
50	JABALPUR	JABALPUR	S-NPP	23.17770	79.85350	11/28/2021	12:59:16	D	5.40
51	JABALPUR	JABALPUR	S-NPP	23.24250	79.84710	11/28/2021	12:59:16	D	3.00
52	JABALPUR	JABALPUR	S-NPP	23.25790	79.90830	11/28/2021	12:59:16	D	4.90
53	JABALPUR	JABALPUR	S-NPP	23.27640	79.97090	11/28/2021	12:59:16	D	5.90
54	JABALPUR	JABALPUR	S-NPP	23.27660	79.89850	11/28/2021	12:59:16	D	7.40
55	JABALPUR	JABALPUR	S-NPP	23.29000	79.95650	11/28/2021	12:59:16	D	4.00
56	JABALPUR	JABALPUR	S-NPP	23.29070	79.95290	11/28/2021	12:59:16	D	5.40
57	JABALPUR	JABALPUR	S-NPP	23.30510	79.99320	11/28/2021	12:59:16	D	11.70
58	JABALPUR	JABALPUR	S-NPP	23.32150	79.94970	11/28/2021	12:59:16	D	5.80
59	JABALPUR	JABALPUR	S-NPP	23.32540	79.94880	11/28/2021	12:59:16	D	5.80
60	JABALPUR	JABALPUR	S-NPP	23.33870	80.01990	11/28/2021	12:59:16	D	2.20
61	JABALPUR	MAJHOULI	S-NPP	23.40740	80.00240	11/28/2021	12:59:16	D	4.30
62	JABALPUR	MAJHOULI	S-NPP	23.42450	80.04950	11/28/2021	12:59:16	D	4.60



63	JABALPUR	MAJHOULI	S-NPP	23.45440	79.99220	11/28/2021	12:59:16	D	3.40
64	JABALPUR	MAJHOULI	S-NPP	23.52730	80.05850	11/28/2021	12:59:16	D	4.00
65	JABALPUR	MAJHOULI	S-NPP	23.52780	80.12530	11/28/2021	12:59:16	D	5.40
66	JABALPUR	MAJHOULI	S-NPP	23.52800	80.06080	11/28/2021	12:59:16	D	5.70
67	JABALPUR	MAJHOULI	S-NPP	23.52800	80.12780	11/28/2021	12:59:16	D	5.30
68	JABALPUR	MAJHOULI	S-NPP	23.53820	79.94320	11/28/2021	12:59:16	D	6.90
69	JABALPUR	MAJHOULI	S-NPP	23.53870	80.14220	11/28/2021	12:59:16	D	5.90
70	JABALPUR	MAJHOULI	S-NPP	23.53960	80.14500	11/28/2021	12:59:16	D	5.30
71	JABALPUR	PATAN	S-NPP	23.19260	79.82310	11/28/2021	12:59:16	D	2.00
72	JABALPUR	PATAN	S-NPP	23.19540	79.83800	11/28/2021	12:59:16	D	4.40
73	JABALPUR	PATAN	S-NPP	23.20120	79.82510	11/28/2021	12:59:16	D	3.40
74	JABALPUR	PATAN	S-NPP	23.20150	79.78220	11/28/2021	12:59:16	D	3.60
75	JABALPUR	PATAN	S-NPP	23.20520	79.82420	11/28/2021	12:59:16	D	5.90
76	JABALPUR	PATAN	S-NPP	23.21760	79.73550	11/28/2021	12:59:16	D	4.90
77	JABALPUR	PATAN	S-NPP	23.22200	79.84770	11/28/2021	12:59:16	D	3.40
78	JABALPUR	PATAN	S-NPP	23.24230	79.82390	11/28/2021	12:59:16	D	2.40
79	JABALPUR	PATAN	S-NPP	23.24780	79.71300	11/28/2021	12:59:16	D	5.50
80	JABALPUR	PATAN	S-NPP	23.25110	79.84910	11/28/2021	12:59:16	D	4.30
81	JABALPUR	PATAN	S-NPP	23.25440	79.84450	11/28/2021	12:59:16	D	4.30
82	JABALPUR	PATAN	S-NPP	23.25610	79.69140	11/28/2021	12:59:16	D	4.30
83	JABALPUR	PATAN	S-NPP	23.26020	79.69060	11/28/2021	12:59:16	D	4.30
84	JABALPUR	PATAN	S-NPP	23.27830	79.80800	11/28/2021	12:59:16	D	6.20
85	JABALPUR	PATAN	S-NPP	23.28860	79.84070	11/28/2021	12:59:16	D	2.80
86	JABALPUR	PATAN	S-NPP	23.28880	79.79800	11/28/2021	12:59:16	D	1.10
87	JABALPUR	PATAN	S-NPP	23.29630	79.81580	11/28/2021	12:59:16	D	2.50
88	JABALPUR	PATAN	S-NPP	23.29860	79.78420	11/28/2021	12:59:16	D	4.60
89	JABALPUR	PATAN	S-NPP	23.30790	79.78990	11/28/2021	12:59:16	D	4.30
90	JABALPUR	PATAN	S-NPP	23.35130	79.82310	11/28/2021	12:59:16	D	4.40
91	JABALPUR	PATAN	S-NPP	23.35470	79.75230	11/28/2021	12:59:16	D	1.30
92	JABALPUR	PATAN	S-NPP	23.35520	79.82230	11/28/2021	12:59:16	D	11.40
93	JABALPUR	PATAN	S-NPP	23.35560	79.75160	11/28/2021	12:59:16	D	1.40
94	JABALPUR	PATAN	S-NPP	23.36130	79.83250	11/28/2021	12:59:16	D	2.70
95	JABALPUR	SAHPURA	S-NPP	23.17940	79.77520	11/28/2021	12:59:16	D	5.30

96	JABALPUR	SAHPURA	S-NPP	23.18340	79.77440	11/28/2021	12:59:16	D	5.30
97	JABALPUR	SAHPURA	S-NPP	23.18540	79.71890	11/28/2021	12:59:16	D	5.50
98	JABALPUR	SIHORA	S-NPP	23.35950	80.06630	11/28/2021	12:59:16	D	3.60
99	JABALPUR	SIHORA	S-NPP	23.39200	80.13210	11/28/2021	12:59:16	D	4.70
100	JABALPUR	SIHORA	S-NPP	23.40760	80.19530	11/28/2021	12:59:16	D	3.20
101	JABALPUR	SIHORA	S-NPP	23.42210	80.20870	11/28/2021	12:59:16	D	11.50
102	JABALPUR	SIHORA	S-NPP	23.43380	80.18410	11/28/2021	12:59:16	D	9.60
103	JABALPUR	SIHORA	S-NPP	23.43410	80.18690	11/28/2021	12:59:16	D	8.10
104	JABALPUR	SIHORA	S-NPP	23.43430	80.20890	11/28/2021	12:59:16	D	5.30
105	JABALPUR	SIHORA	S-NPP	23.43470	80.21150	11/28/2021	12:59:16	D	6.60
106	JABALPUR	SIHORA	S-NPP	23.43730	80.22480	11/28/2021	12:59:16	D	4.70
107	JABALPUR	SIHORA	S-NPP	23.43760	80.22740	11/28/2021	12:59:16	D	6.30
108	JABALPUR	SIHORA	S-NPP	23.44000	80.19660	11/28/2021	12:59:16	D	4.50
109	JABALPUR	SIHORA	S-NPP	23.44150	80.20450	11/28/2021	12:59:16	D	5.70
110	JABALPUR	SIHORA	S-NPP	23.44200	80.20720	11/28/2021	12:59:16	D	12.80
111	JABALPUR	SIHORA	S-NPP	23.44240	80.20980	11/28/2021	12:59:16	D	5.70
112	JABALPUR	SIHORA	S-NPP	23.44970	80.20560	11/28/2021	12:59:16	D	2.90
113	JABALPUR	SIHORA	AQUA	23.42000	80.20800	11/28/2021	14:09:08	D	36.20
114	JABALPUR	SIHORA	AQUA	23.43100	80.21200	11/28/2021	14:09:08	D	33.60
115	KATNI	BAHURIBAND	S-NPP	23.65300	80.06320	11/28/2021	12:59:16	D	7.50
116	KATNI	BAHURIBAND	S-NPP	23.65700	80.08450	11/28/2021	12:59:16	D	4.70
117	KATNI	BAHURIBAND	S-NPP	23.71910	80.04900	11/28/2021	12:59:16	D	5.90
118	KATNI	BIJERAGHOGARH	S-NPP	24.06510	80.67410	11/28/2021	12:59:16	D	2.40
119	MANDLA	BACHHIYA	S-NPP	22.49140	80.49500	11/28/2021	12:59:16	D	4.40
120	NARSHIMAPURA	GADARWARA	S-NPP	22.99040	78.97200	11/28/2021	12:59:16	D	7.60
121	NARSHIMAPURA	GADARWARA	S-NPP	22.99120	78.97620	11/28/2021	12:59:16	D	7.60
122	NARSHIMAPURA	GADARWARA	S-NPP	22.99190	78.97560	11/28/2021	12:59:16	D	14.40
123	NARSHIMAPURA	KARELI	S-NPP	22.97550	79.02750	11/28/2021	12:59:16	D	3.00
124	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.88920	79.19190	11/28/2021	12:59:16	D	7.10
125	RAISEN	BARELI	S-NPP	22.93220	77.97370	11/28/2021	12:59:16	D	2.30
126	RAISEN	BARELI	S-NPP	22.94480	78.15090	11/28/2021	12:59:16	D	3.30
127	RAISEN	GOHARGANJ	S-NPP	23.06380	77.59520	11/28/2021	12:59:16	D	8.90
128	RAISEN	RAISEN	S-NPP	23.42920	77.81220	11/28/2021	01:48:34	N	0.40

129	REWA	HUZUR	S-NPP	24.48380	81.30500	11/28/2021	12:59:16	D	3.50
130	REWA	SIRMAUR	S-NPP	24.69420	81.58070	11/28/2021	12:59:16	D	3.30
131	REWA	TEONTHAR	S-NPP	24.96850	81.58980	11/28/2021	12:59:16	D	7.20
132	REWA	TEONTHAR	S-NPP	24.99670	81.61220	11/28/2021	12:59:16	D	2.20
133	REWA	TEONTHAR	S-NPP	24.99780	81.61100	11/28/2021	12:59:16	D	2.30
134	SATNA	MAIHAR	S-NPP	24.09220	80.77730	11/28/2021	12:59:16	D	2.60
135	SATNA	MAIHAR	S-NPP	24.21200	80.75440	11/28/2021	12:59:16	D	4.10
136	SATNA	MAIHAR	S-NPP	24.26450	80.93840	11/28/2021	12:59:16	D	4.00
137	SATNA	MAJHGAWAN	S-NPP	24.80440	80.99470	11/28/2021	12:59:16	D	14.40
138	SATNA	NAGOD	S-NPP	24.63570	80.55970	11/28/2021	12:59:16	D	9.60
139	SATNA	NAGOD	S-NPP	24.63660	80.56460	11/28/2021	12:59:16	D	9.60
140	SATNA	NAGOD	S-NPP	24.65420	80.57610	11/28/2021	12:59:16	D	4.10
141	SATNA	NAGOD	S-NPP	24.69210	80.59350	11/28/2021	12:59:16	D	6.00
142	SATNA	RAGURAJNAGAR	S-NPP	24.64330	80.66480	11/28/2021	12:59:16	D	4.30
143	SATNA	RAGURAJNAGAR	S-NPP	24.68640	80.60490	11/28/2021	12:59:16	D	2.80
144	SATNA	RAMPURBAGHLEAN	S-NPP	24.67080	81.00590	11/28/2021	12:59:16	D	8.60
145	SATNA	RAMPURBAGHLEAN	S-NPP	24.67140	81.00430	11/28/2021	12:59:16	D	3.90
146	SATNA	RAMPURBAGHLEAN	S-NPP	24.68960	81.08900	11/28/2021	12:59:16	D	4.80
147	SATNA	RAMPURBAGHLEAN	S-NPP	24.68980	81.08760	11/28/2021	12:59:16	D	4.20
148	SATNA	RAMPURBAGHLEAN	S-NPP	24.70430	81.06660	11/28/2021	12:59:16	D	1.70
149	SEHORE	BUDHNI	S-NPP	22.93470	77.96300	11/28/2021	12:59:16	D	8.40
150	SEONI	KEWLARI	S-NPP	22.41490	80.03130	11/28/2021	12:59:16	D	1.90
151	SHEOPUR	KARAHAL	S-NPP	25.40270	76.87840	11/28/2021	12:59:16	D	3.60
152	SHEOPUR	SHEOPUR	S-NPP	25.81280	76.61990	11/28/2021	12:59:16	D	3.50
153	SHIVPURI	NARWAR	S-NPP	25.57420	78.11090	11/28/2021	12:59:16	D	3.80
154	SHIVPURI	NARWAR	S-NPP	25.59220	78.22330	11/28/2021	12:59:16	D	3.10
155	SHIVPURI	NARWAR	S-NPP	25.63640	78.24830	11/28/2021	12:59:16	D	3.00
156	SHIVPURI	NARWAR	S-NPP	25.64060	78.26940	11/28/2021	12:59:16	D	1.80
157	SHIVPURI	NARWAR	S-NPP	25.70320	78.01360	11/28/2021	12:59:16	D	6.50
158	SHIVPURI	NARWAR	S-NPP	25.70410	78.01800	11/28/2021	12:59:16	D	9.20
159	SHIVPURI	NARWAR	S-NPP	25.70940	78.08940	11/28/2021	12:59:16	D	11.20
160	UMARIA	BANDHOGARH	S-NPP	23.68500	80.69620	11/28/2021	12:59:16	D	2.90
161	UMARIA	BANDHOGARH	S-NPP	23.68590	80.70110	11/28/2021	12:59:16	D	6.30

162	VIDESHA	VIDESHA	S-NPP	23.68630	77.65600	11/28/2021	12:59:16	D	3.60
163	WEST NIMAR	BARWAH	S-NPP	22.14970	75.80340	11/28/2021	12:59:16	D	1.90

**The study used data received from following Satellites at NRSC Ground Station**

S. No.	Satellite Name	Sensor	Resolution (meter)	Day / Night Passes
1.	Suomi NPP	VIIRS	375 / 750	Both
2.	Terra	MODIS	1000	Both
3.	Aqua	MODIS	1000	Both

**The rice mask for the Punjab and Haryana were provided by MNCFC, MoA&FW, Govt of India  
The kharif crop mask for Delhi, Uttar Pradesh, Rajasthan and Madhya Pradesh were provided by NRSC**

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GIS Maps of fire events can be visualized online on ICAR KRISHI Geoportal website: <http://geoportal.icar.gov.in:8080/geoexplorer/composer/>  
(Part of KRISHI Portal: <https://krishi.icar.gov.in> initiative)

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