



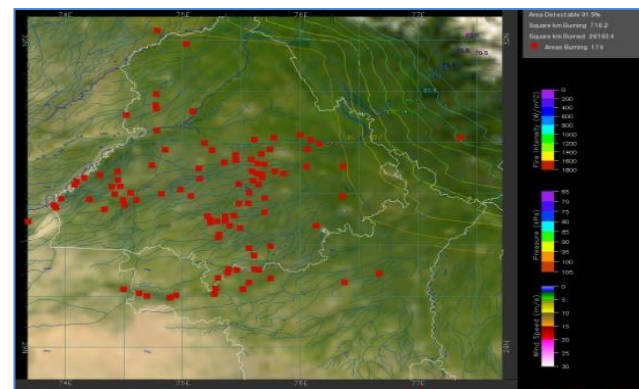
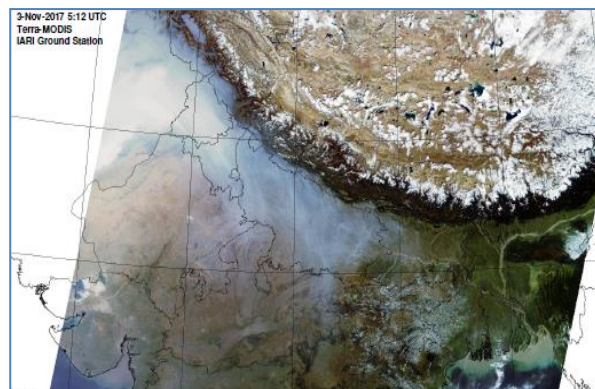
**Bulletin  
No. 72**

**Events Date:  
25-Nov-2021**

**Issued on:  
25-Nov-2021**



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



**Prepared by:**

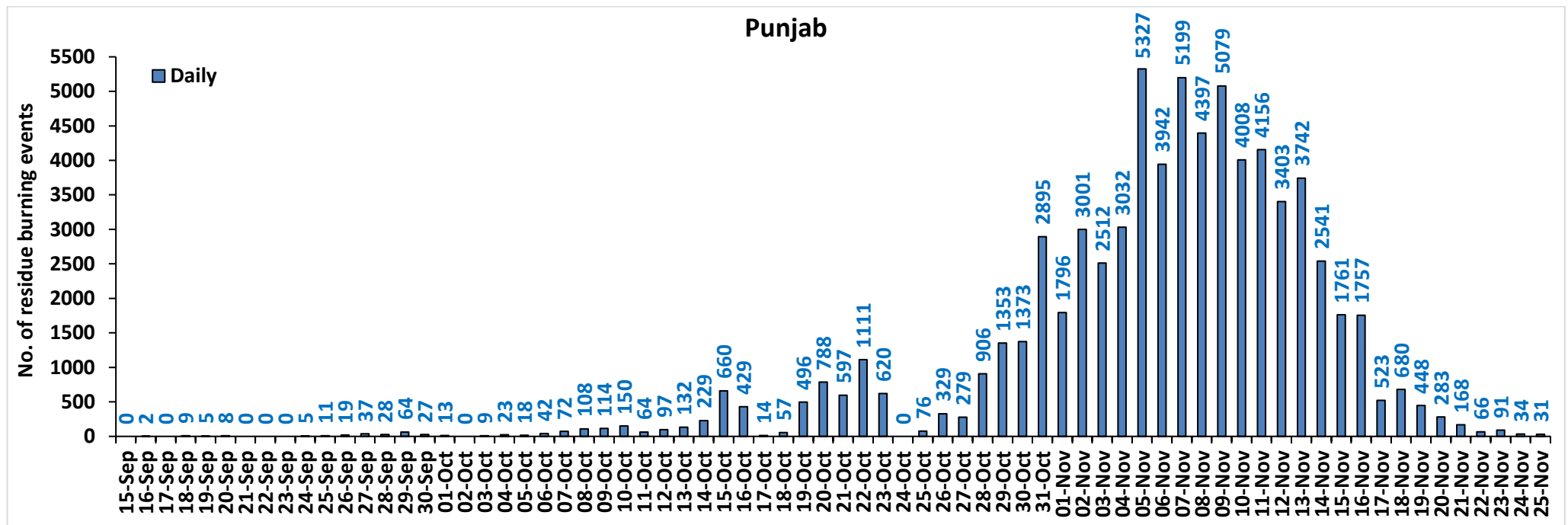
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,  
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

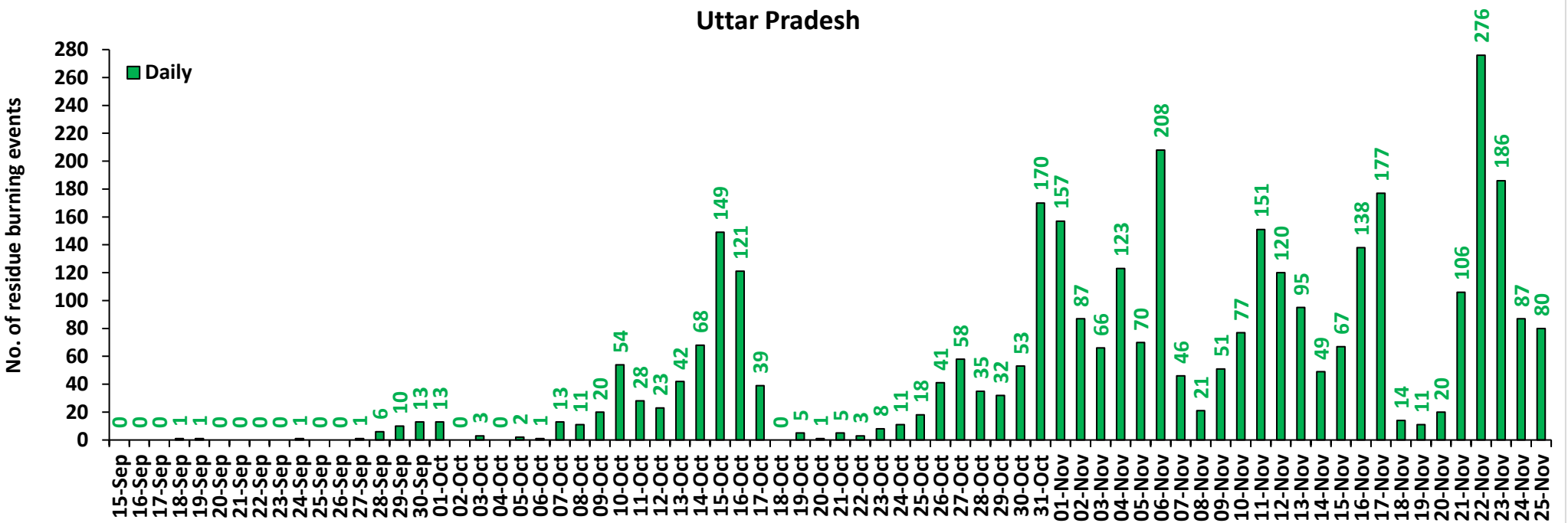
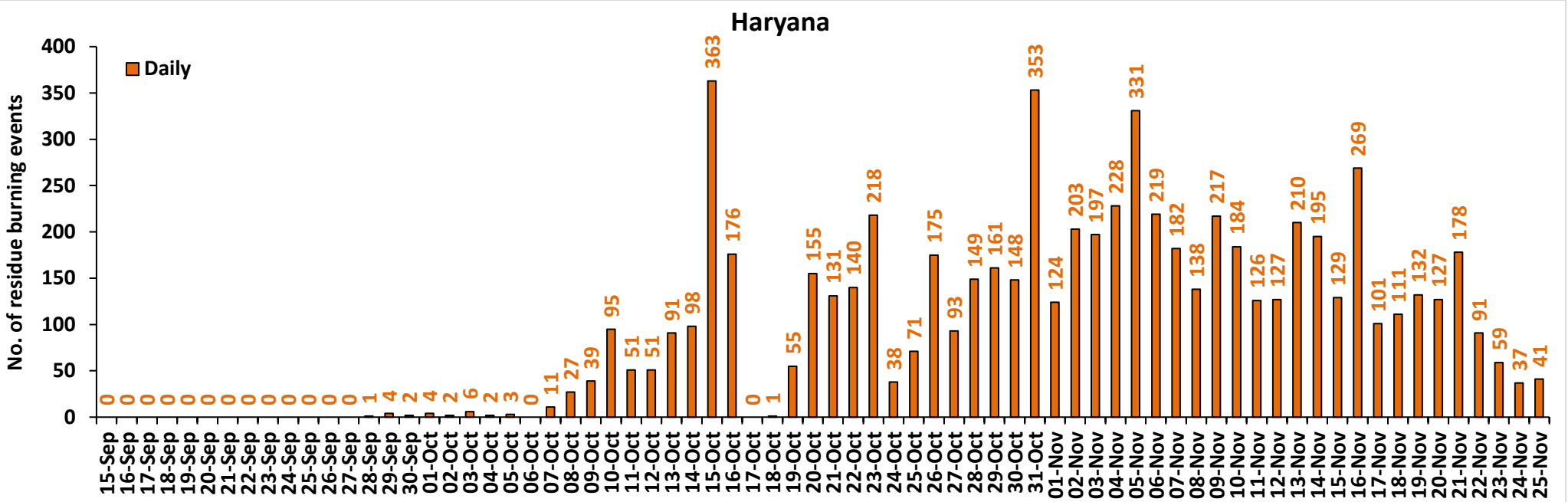
**<http://creams.iari.res.in>**

## Highlights for 25-November-2021

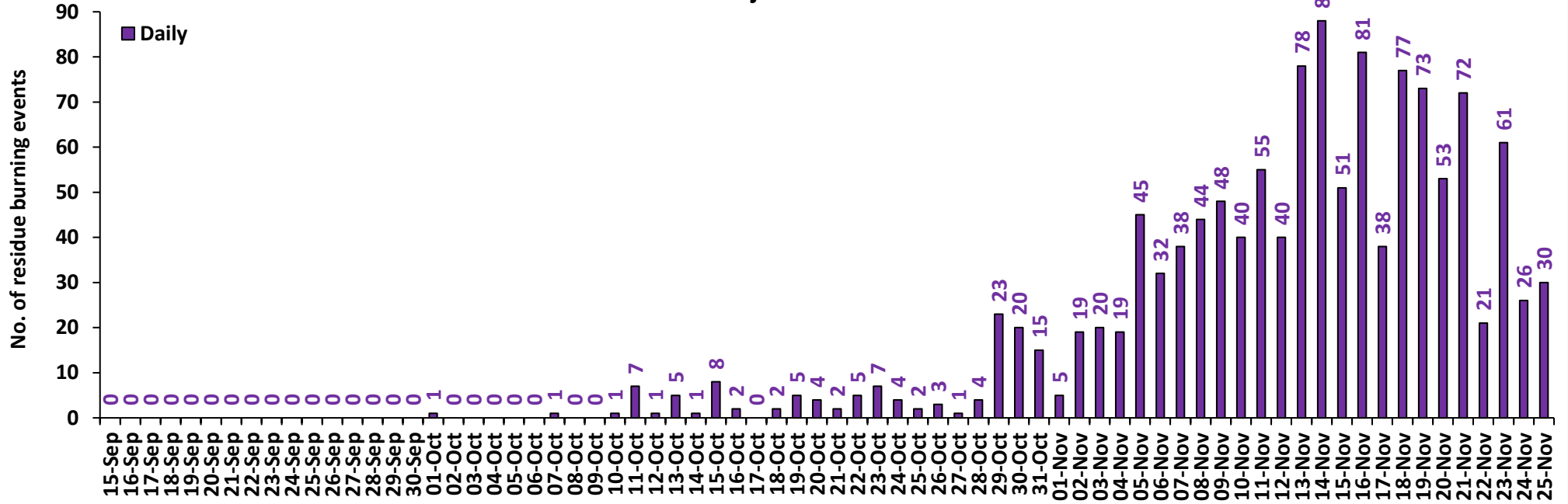
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the new "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **525** residue burning events in the six study States on 25-Nov-2021.
- The state wise events detected on 25-Nov-21 were **31** in Punjab, **41** in Haryana, **80** in UP, **0** in Delhi, **30** in Raj and **343** in MP.
- The number of events has increased from **408** on 24-Nov-2021 to **525** on 25-Nov-2021 in the six study states.
- Total **90095** burning events were detected in the six states between 15-Sept-2021 and 25-Nov-2021, which are distributed as **71246**, **6870**, **3543**, **4**, **1278** and **7154** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Overall, the total burning events recorded in the six states are **15.2%** less than in 2020 till date. Punjab recorded **13.8%** reduction, Haryana recorded **70.2%** increase, UP recorded **9.7%** reduction, Delhi recorded **55.6%** reduction, Rajasthan recorded **23.3%** reduction and MP recorded **48.5%** reduction, in the current season than in 2020.

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

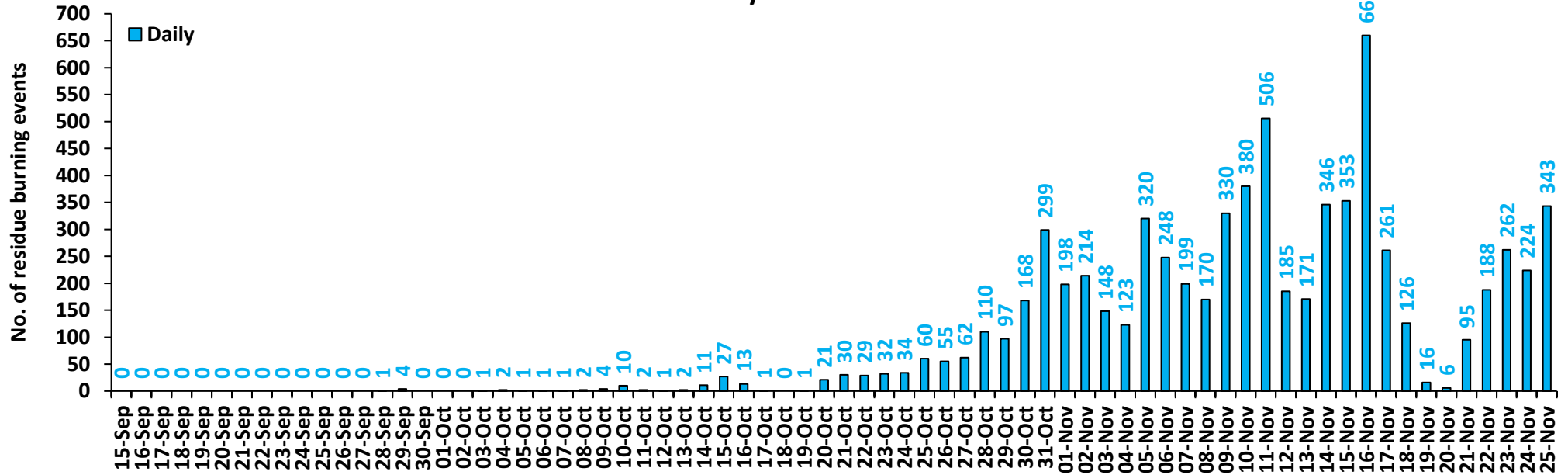




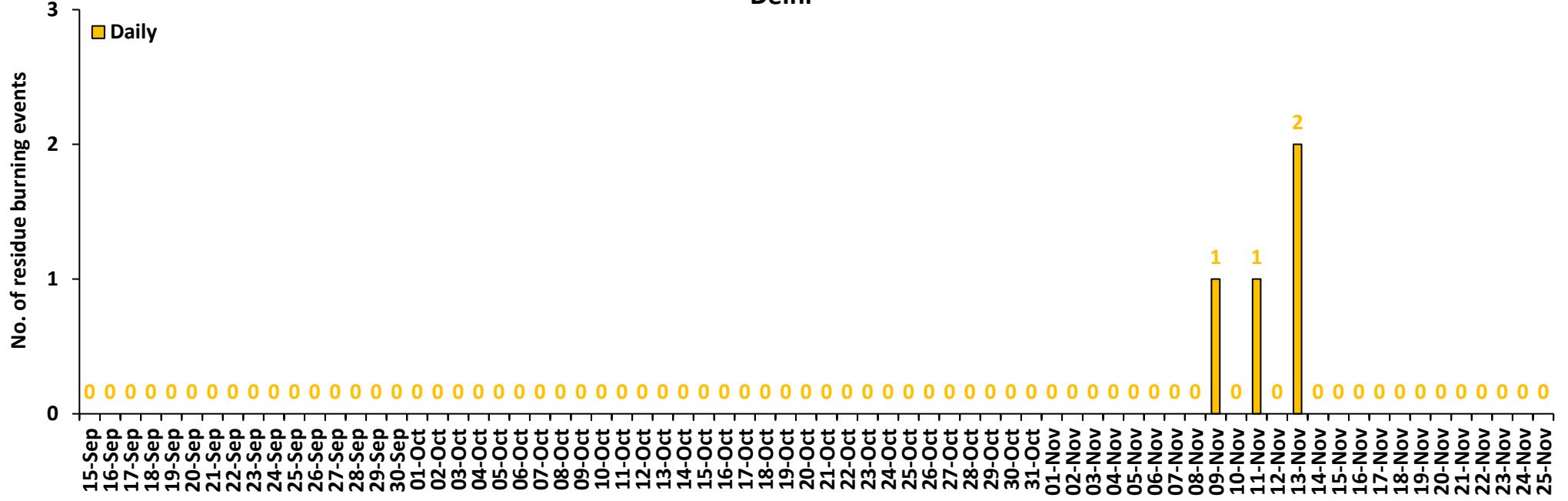
### Rajasthan



### Madhya Pradesh

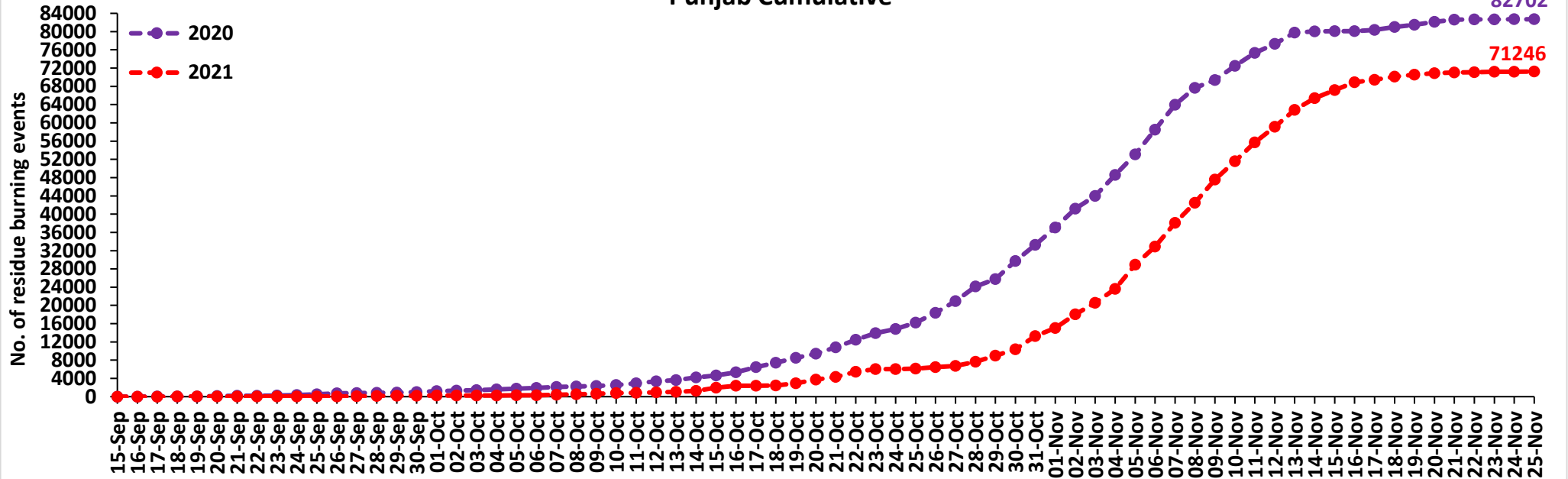


# Delhi

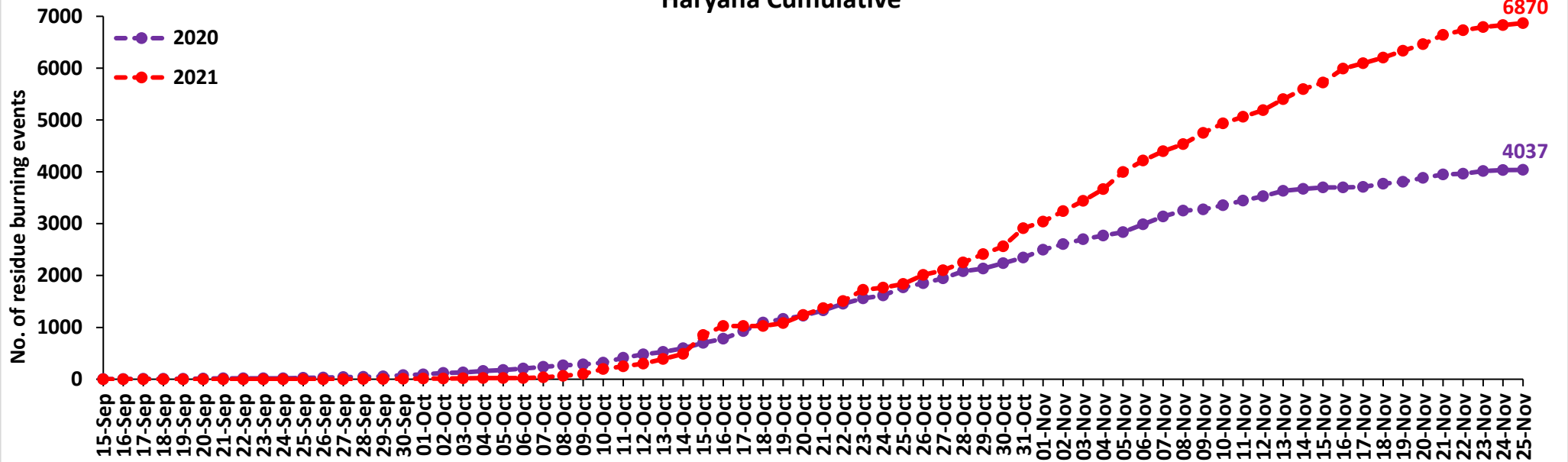


## Comparison of residue burning events in current year (2021) with previous year (2020) for the study States

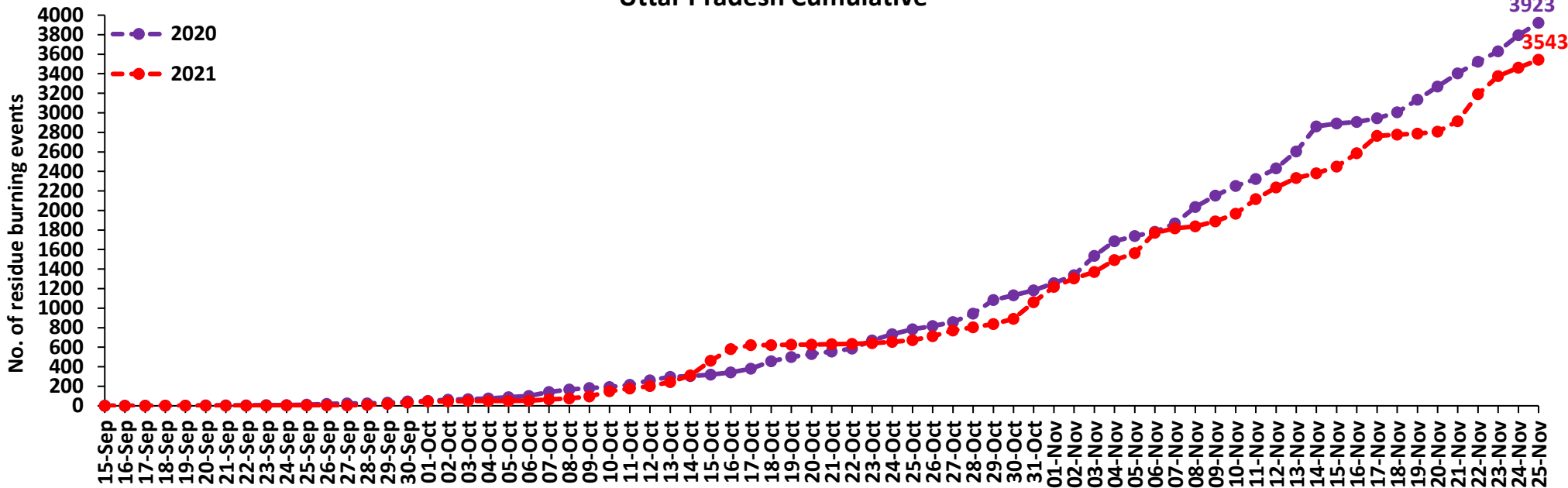
### Punjab Cumulative



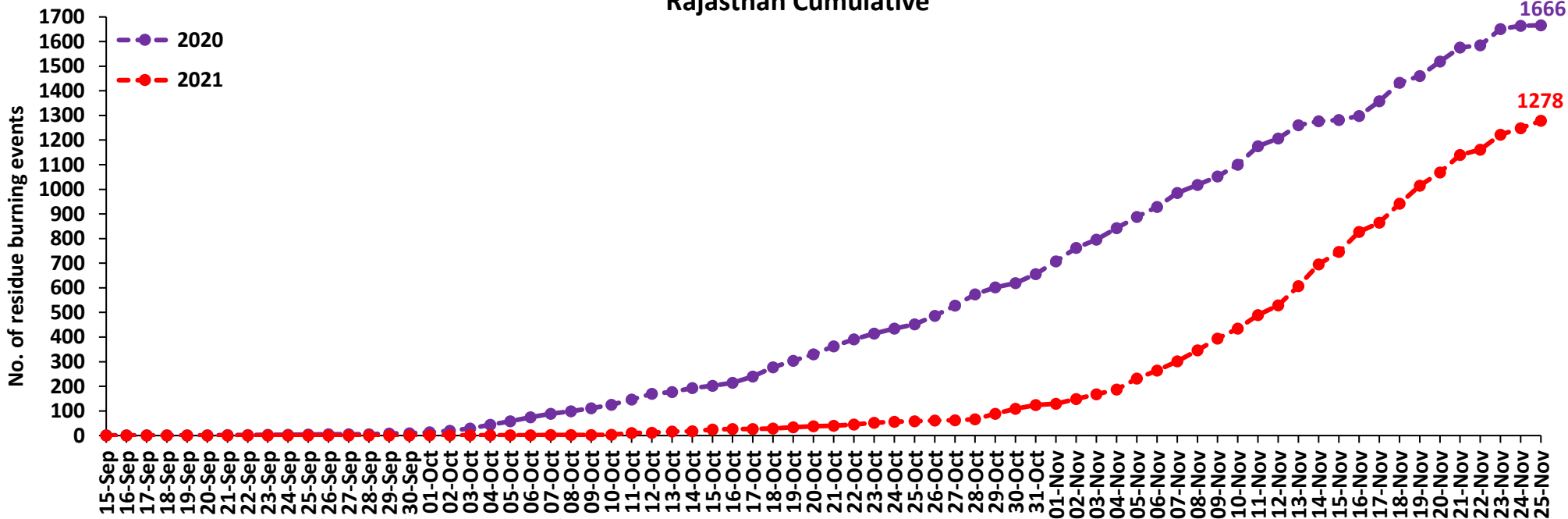
### Haryana Cumulative



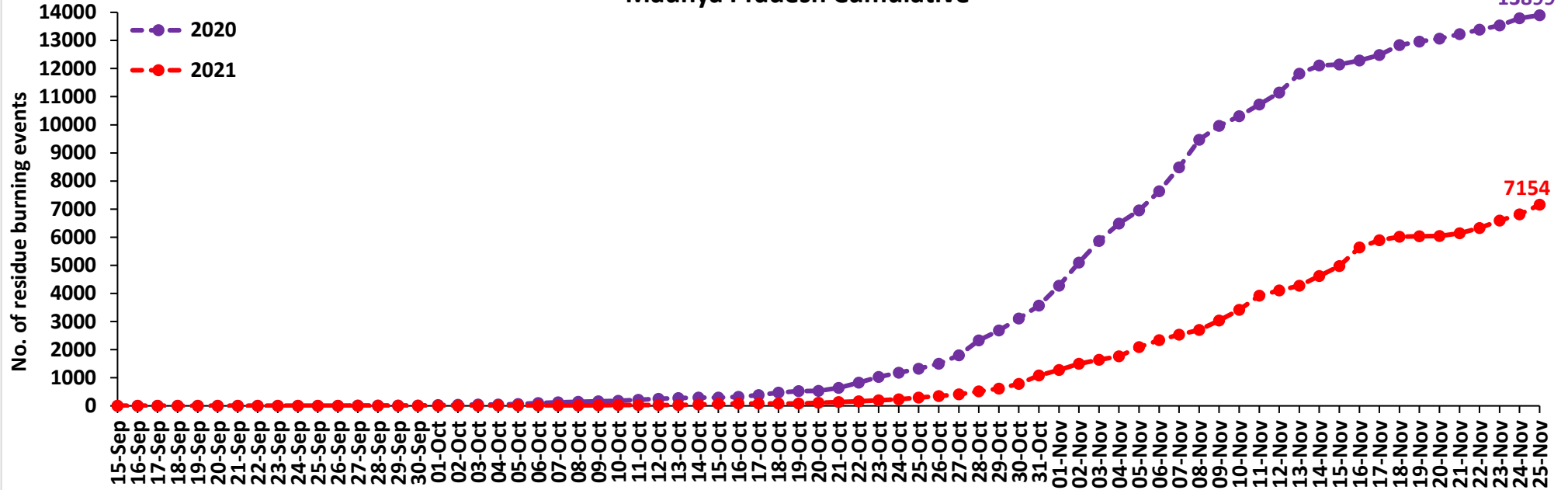
### Uttar Pradesh Cumulative



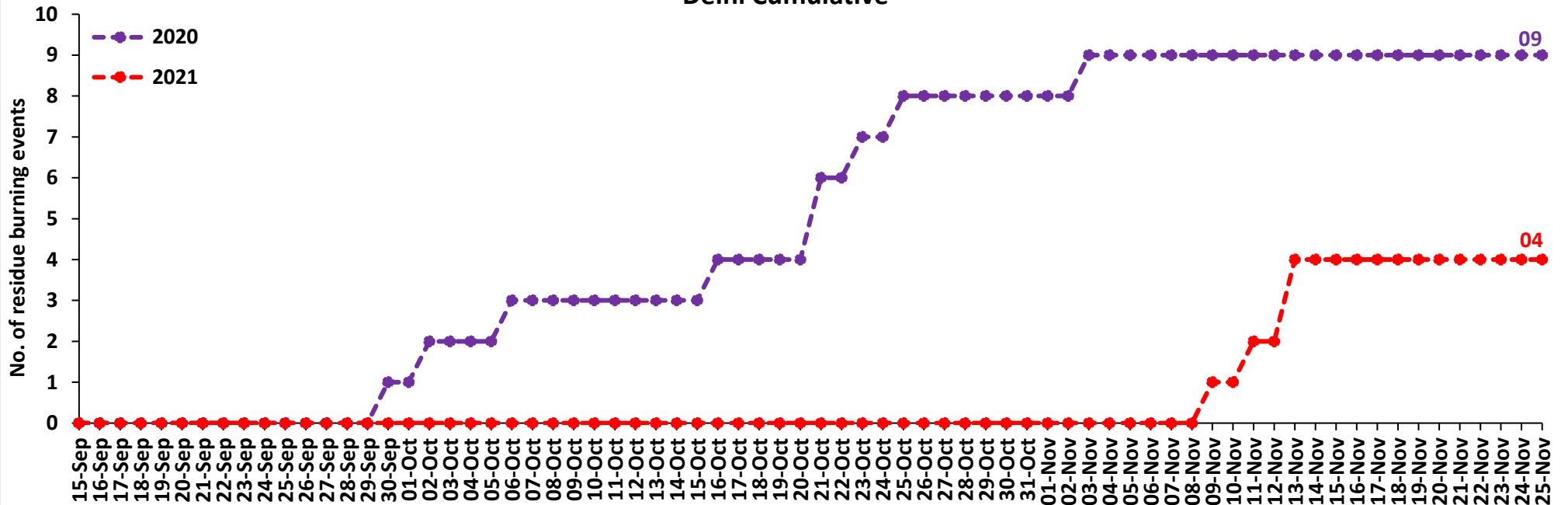
### Rajasthan Cumulative



### Madhya Pradesh Cumulative



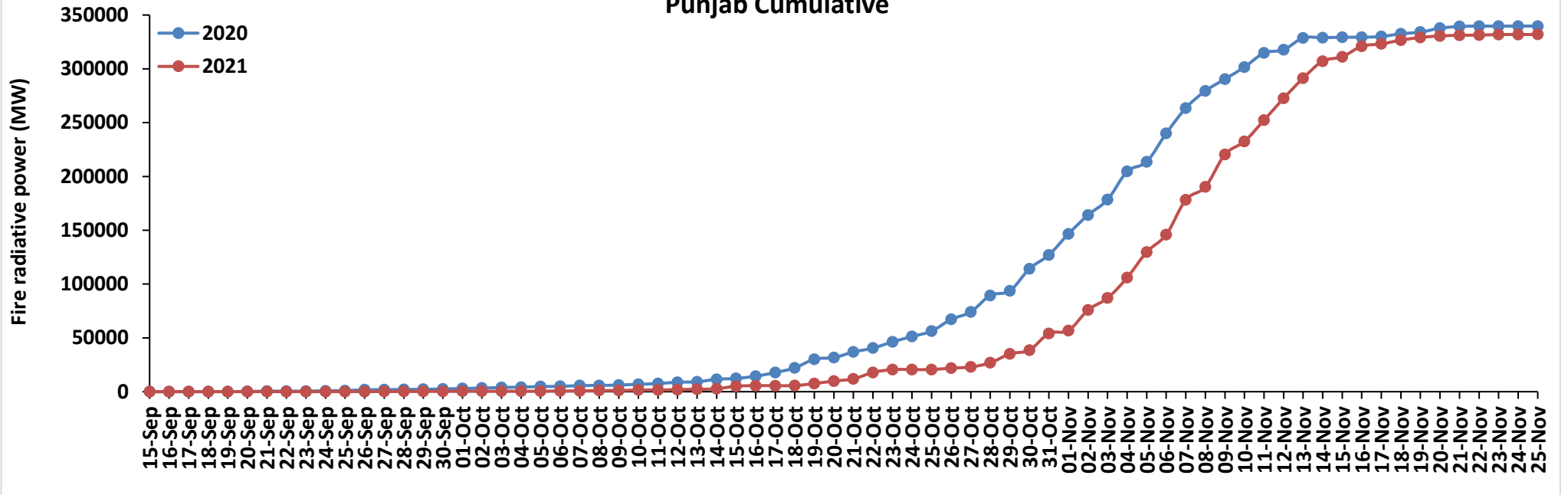
### Delhi Cumulative



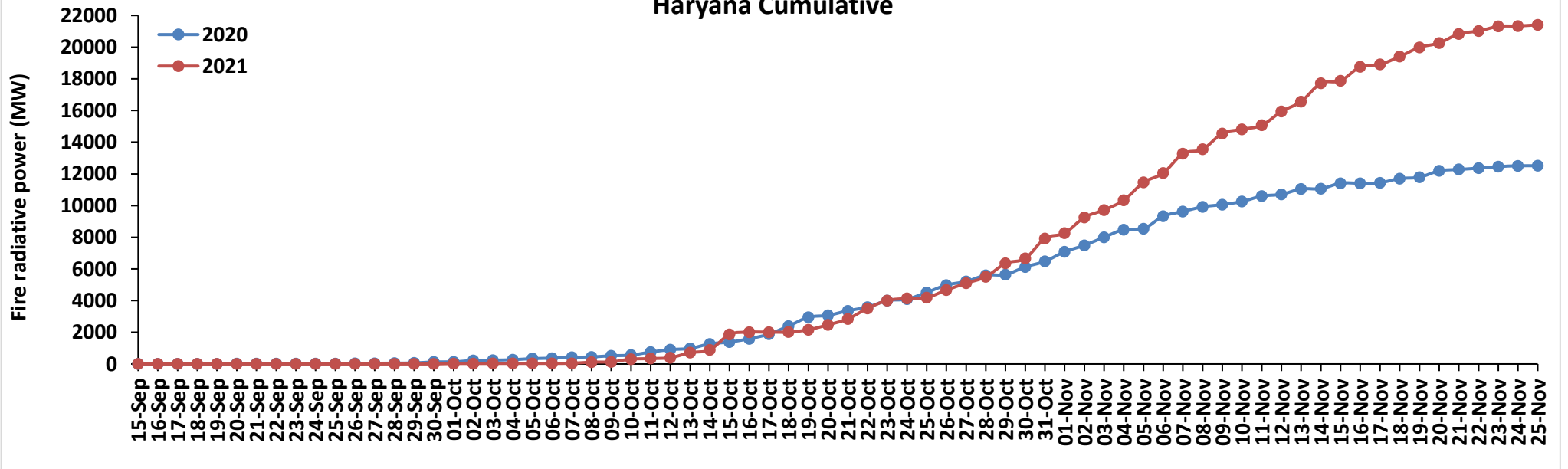


### Comparison of residue burning fire power in current year (2021) with previous year (2020) for the study States

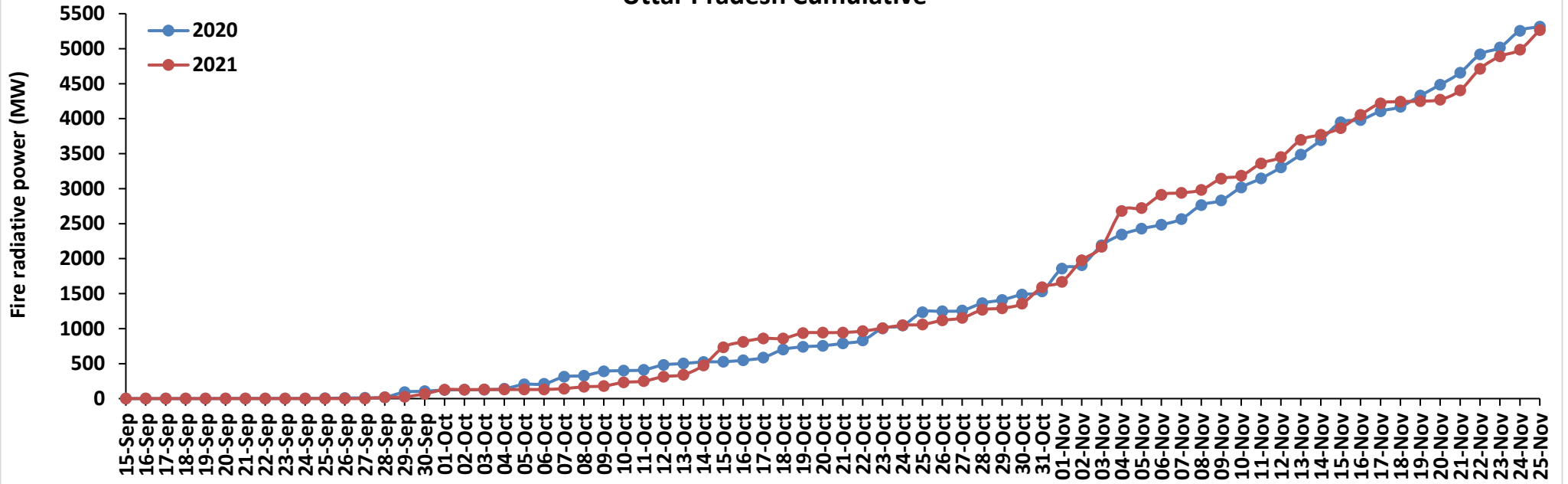
#### Punjab Cumulative



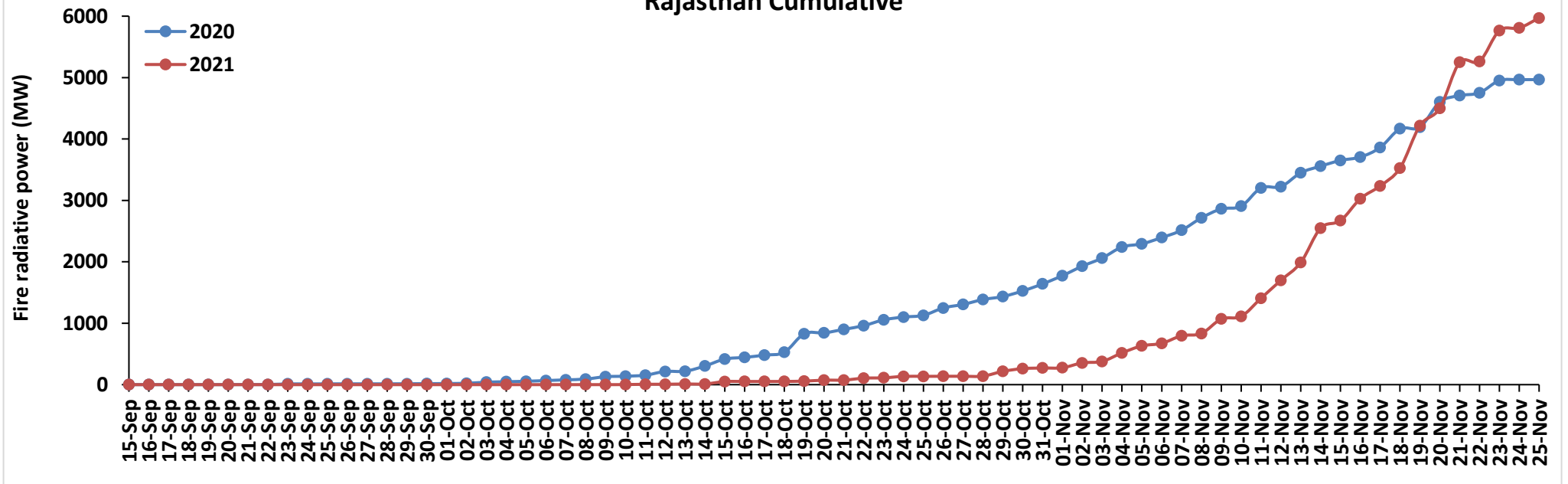
#### Haryana Cumulative



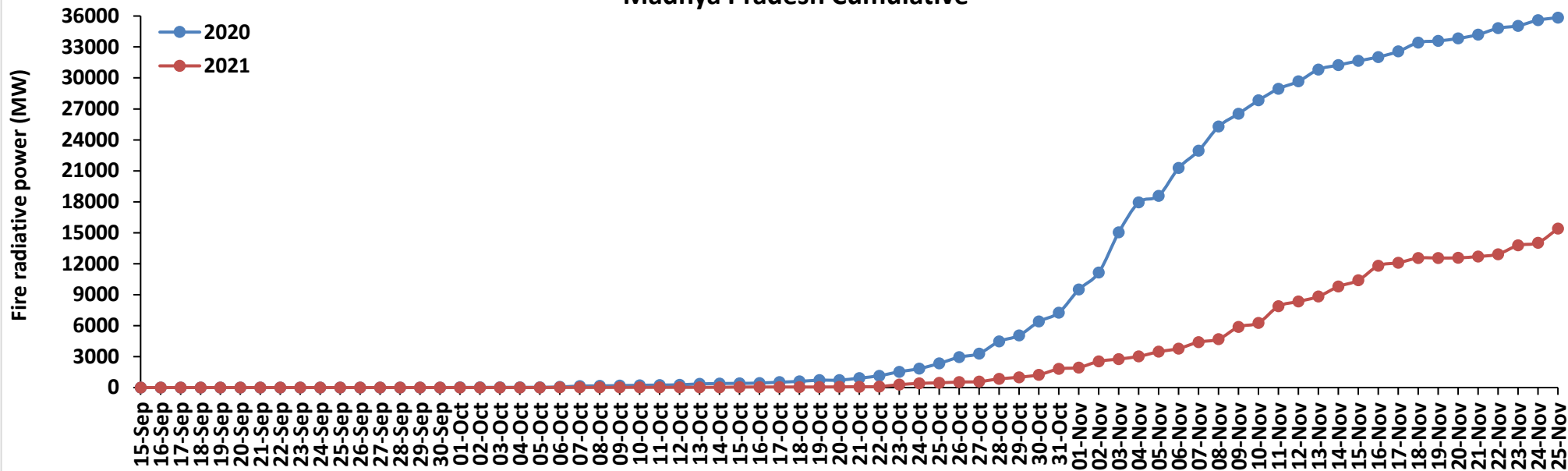
### Uttar Pradesh Cumulative



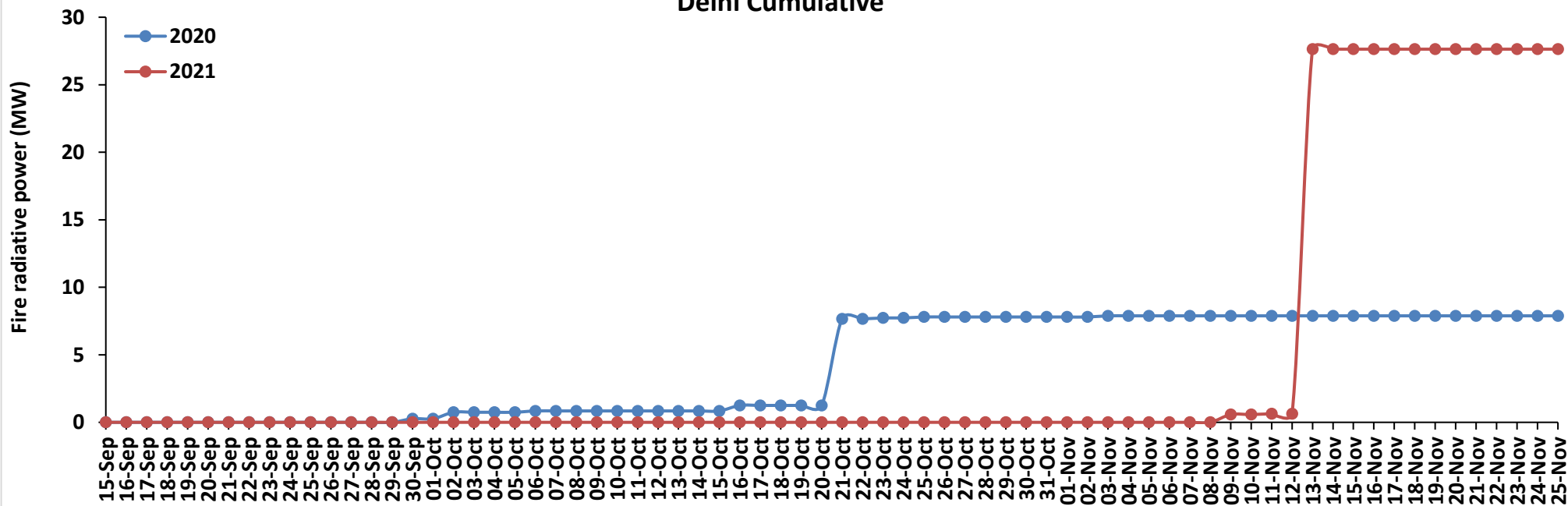
### Rajasthan Cumulative



### Madhya Pradesh Cumulative

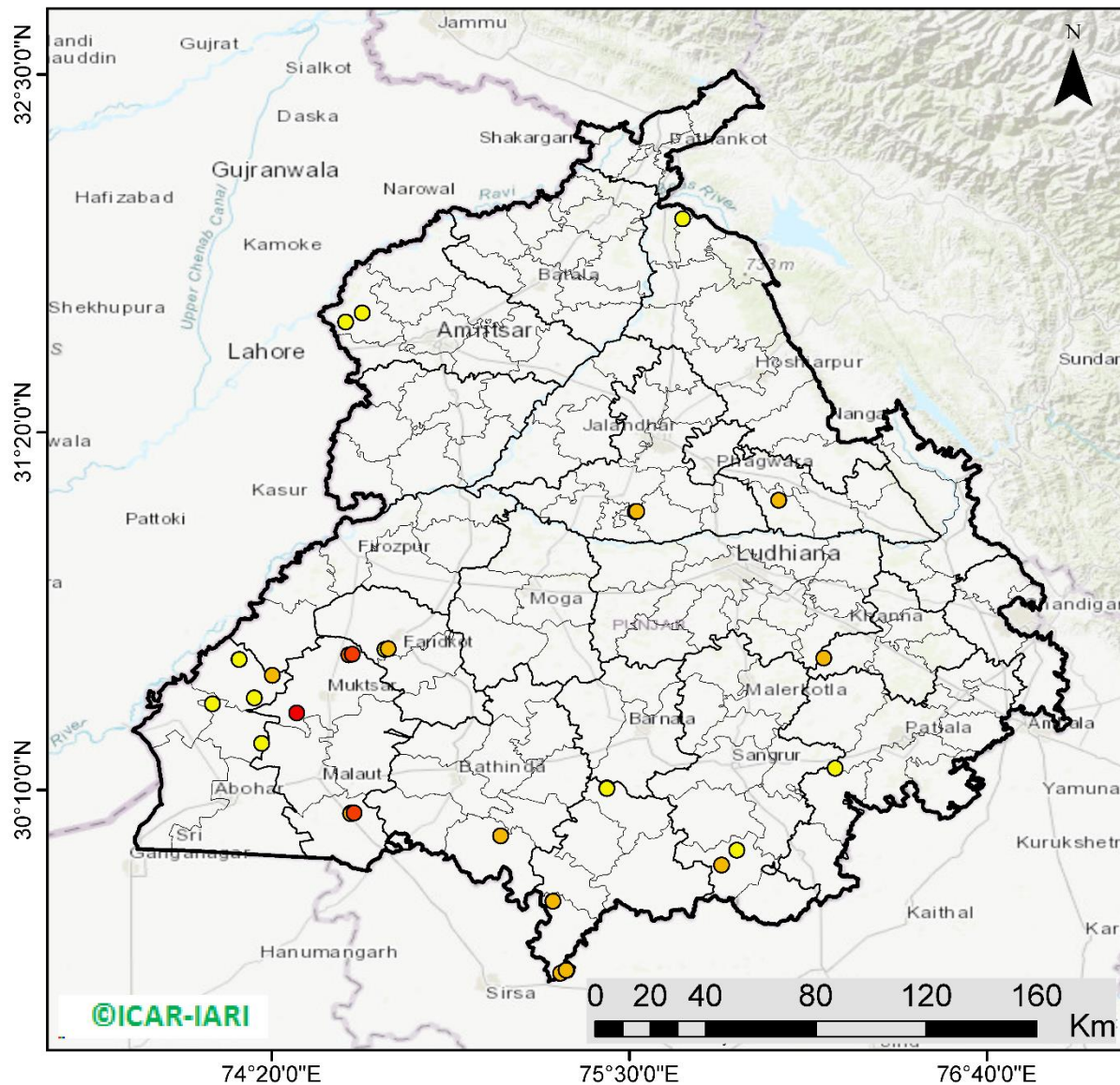


### Delhi Cumulative



# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**31** burning events detected in Punjab on **25th November 2021**

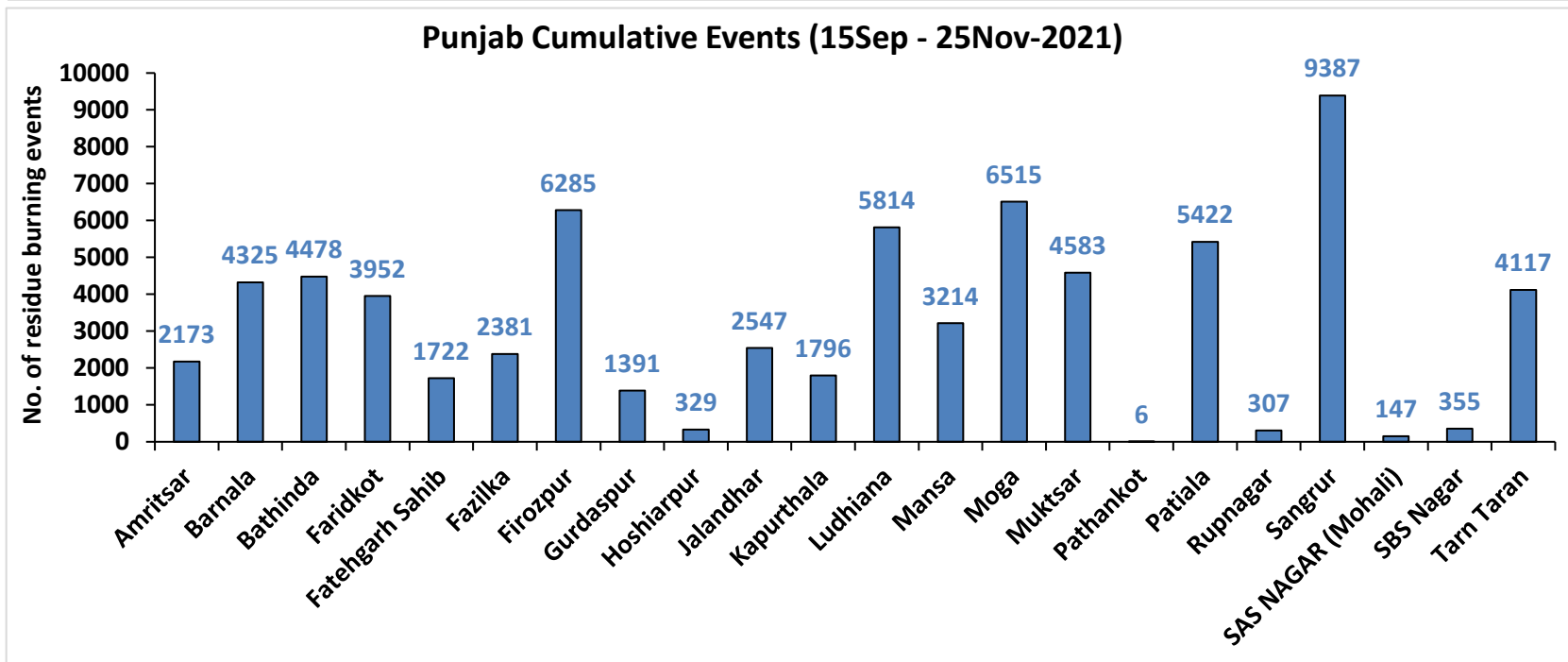
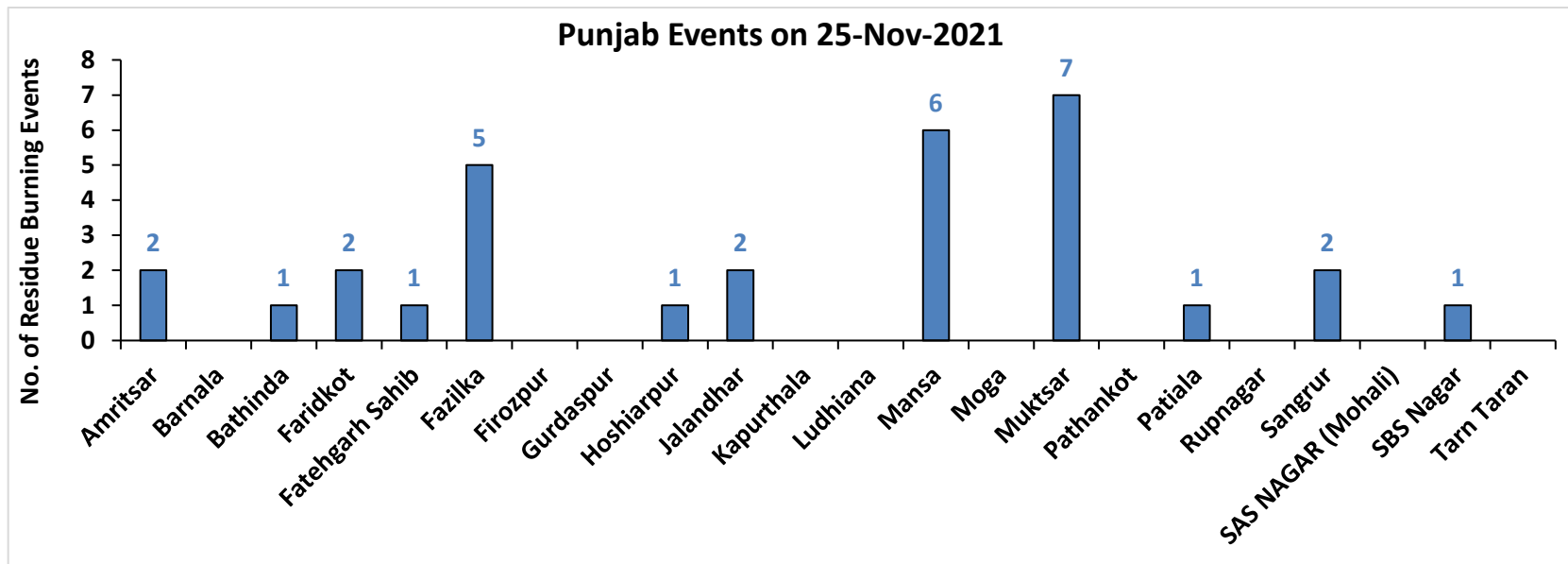
### Fire Intensity (W/m<sup>2</sup>)

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



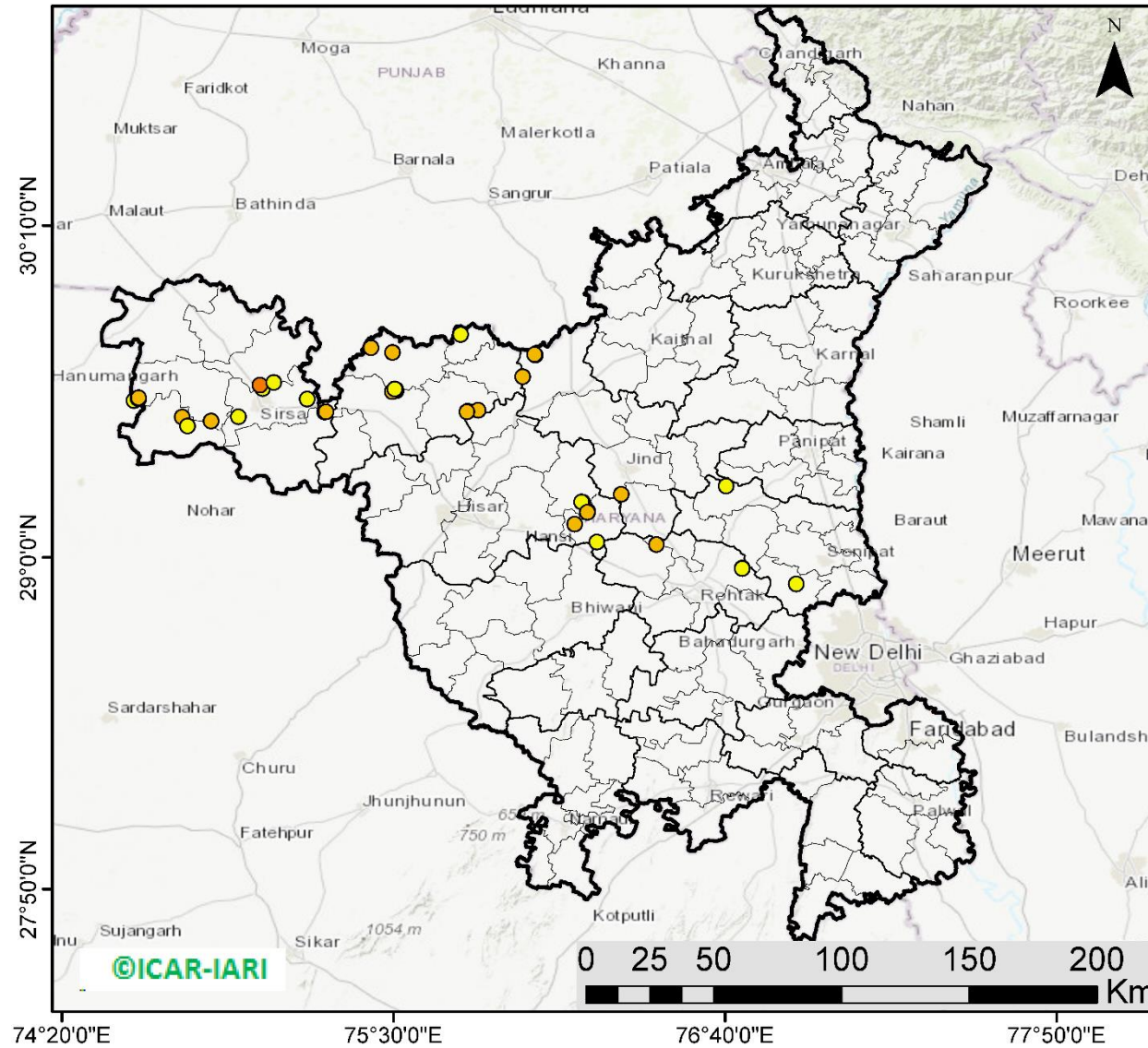
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Punjab (15 Sep - 25 Nov-2021)



# Haryana

## RICE RESIDUE BURNING IN HARYANA



**41** burning events detected in Haryana on **25th November 2021**

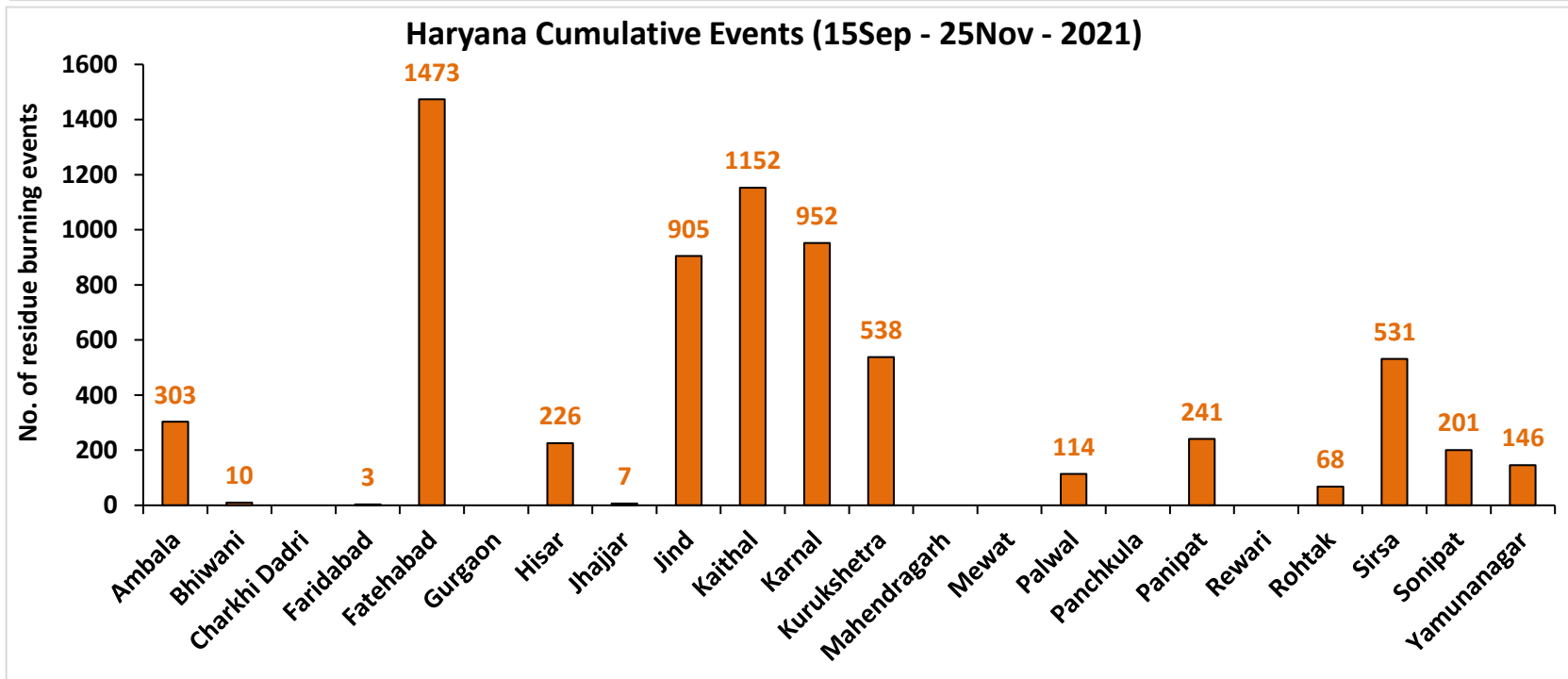
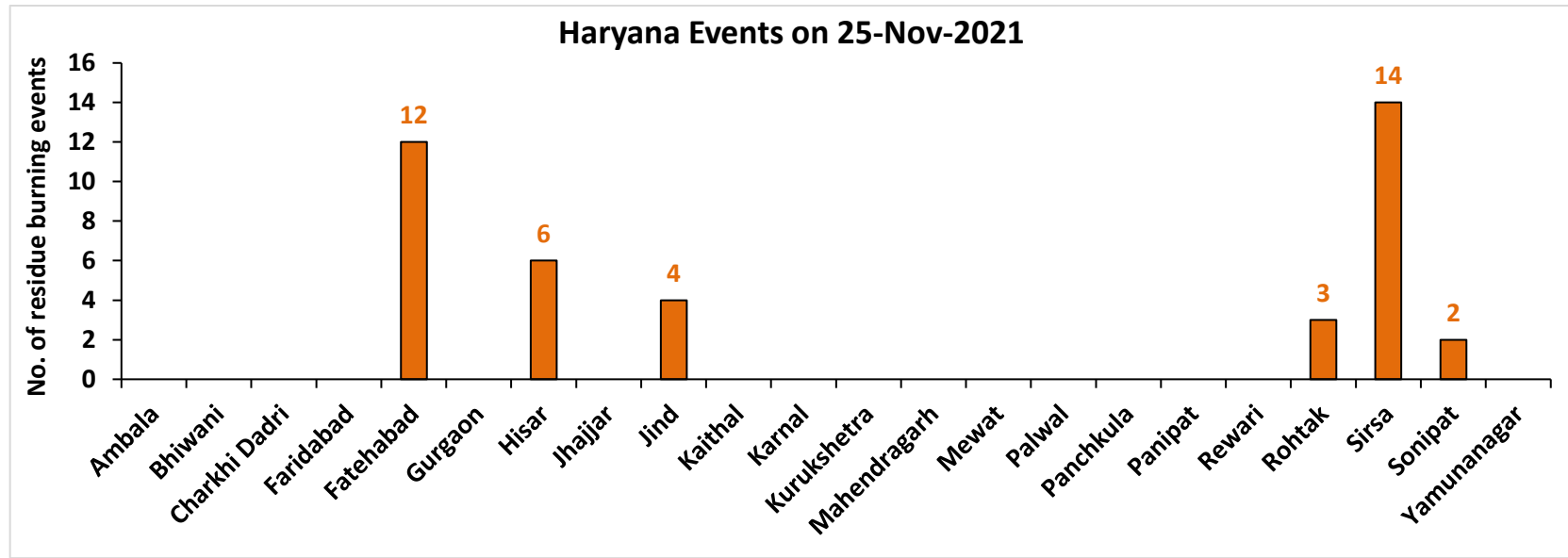
### Fire Intensity (W/m<sup>2</sup>)

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



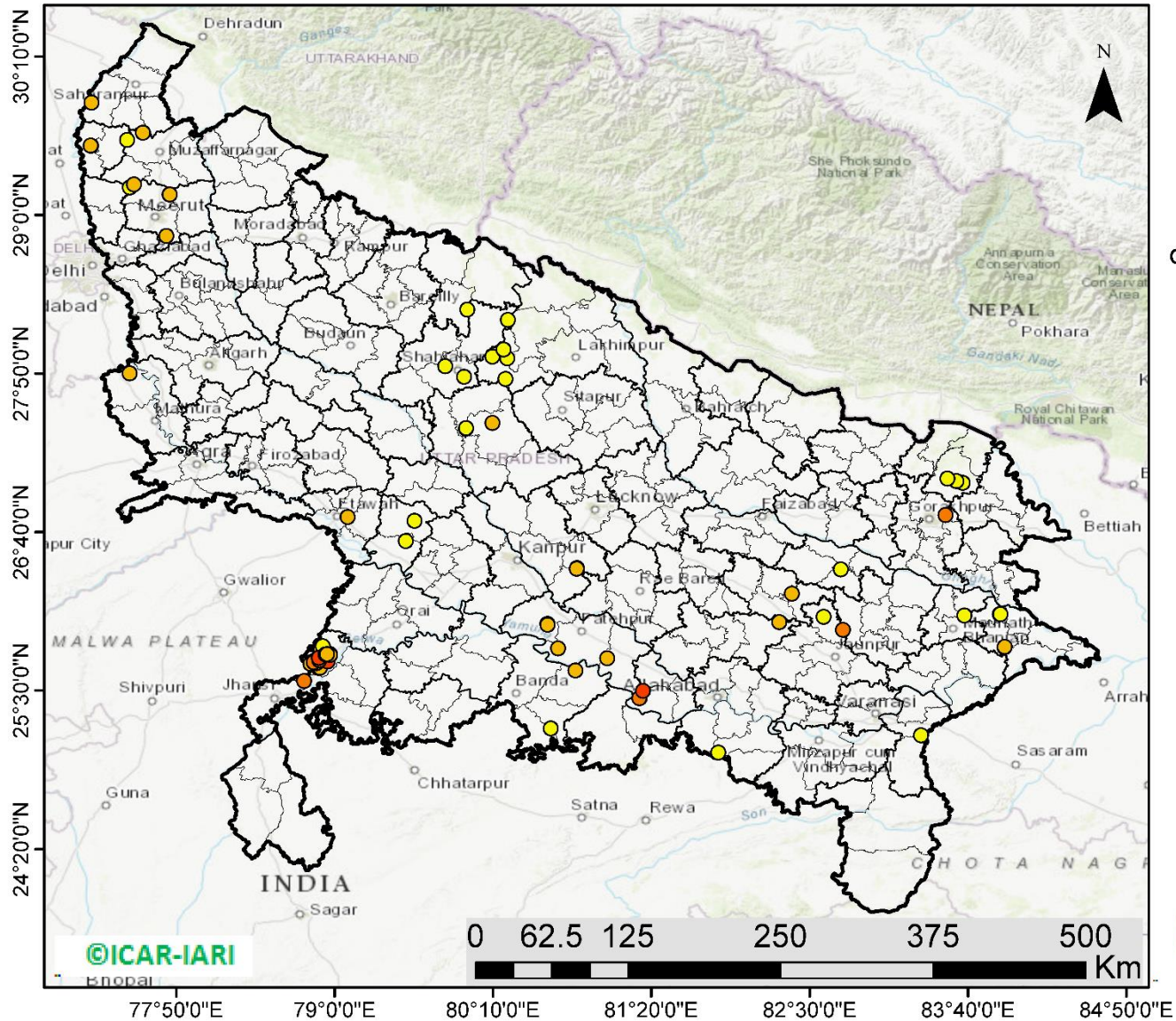
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Haryana (15 Sep - 25 Nov-2021)



# Uttar Pradesh

## RICE RESIDUE BURNING IN UTTAR PRADESH



**80** burning events detected in Uttar Pradesh on 25th November 2021

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

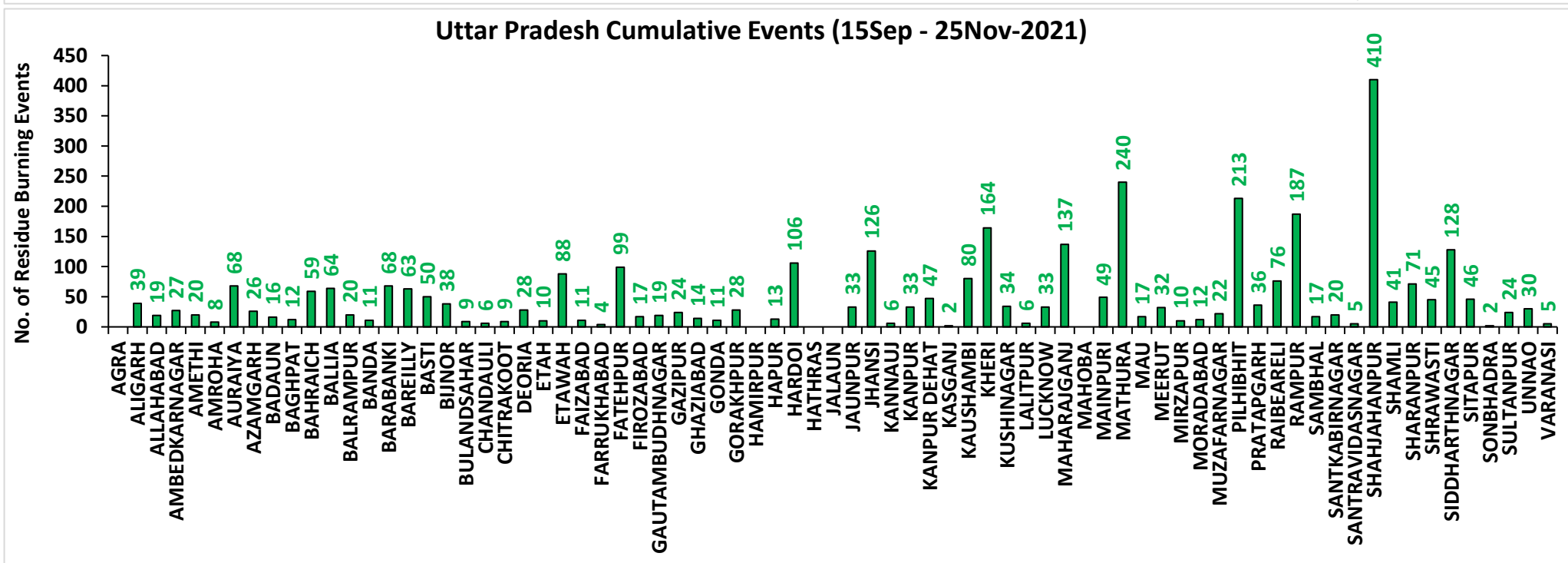
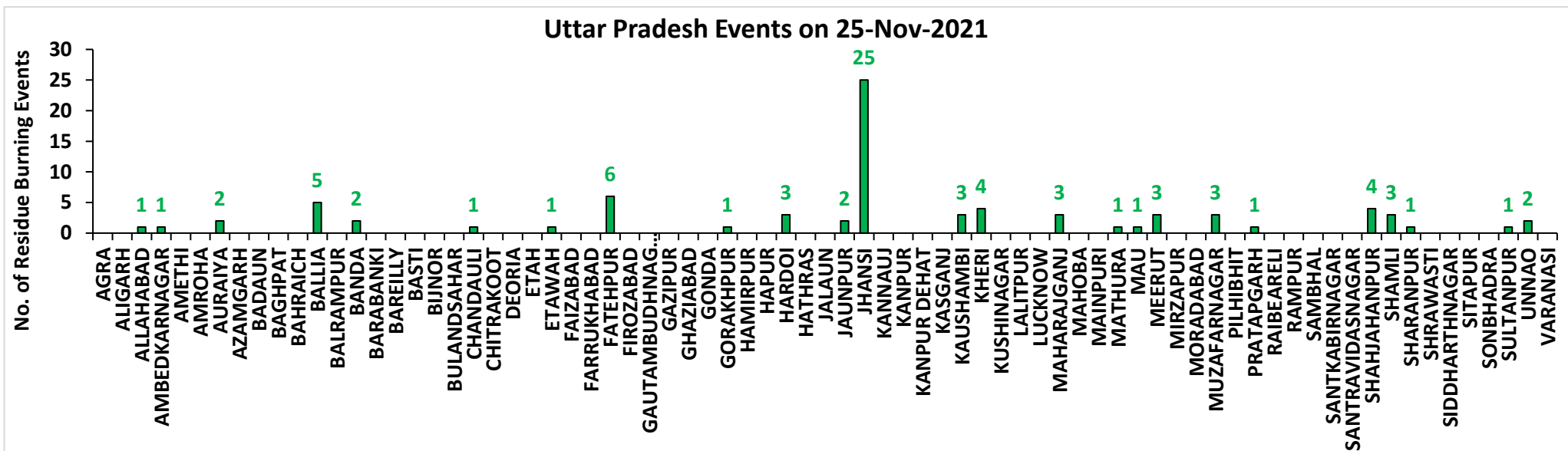
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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

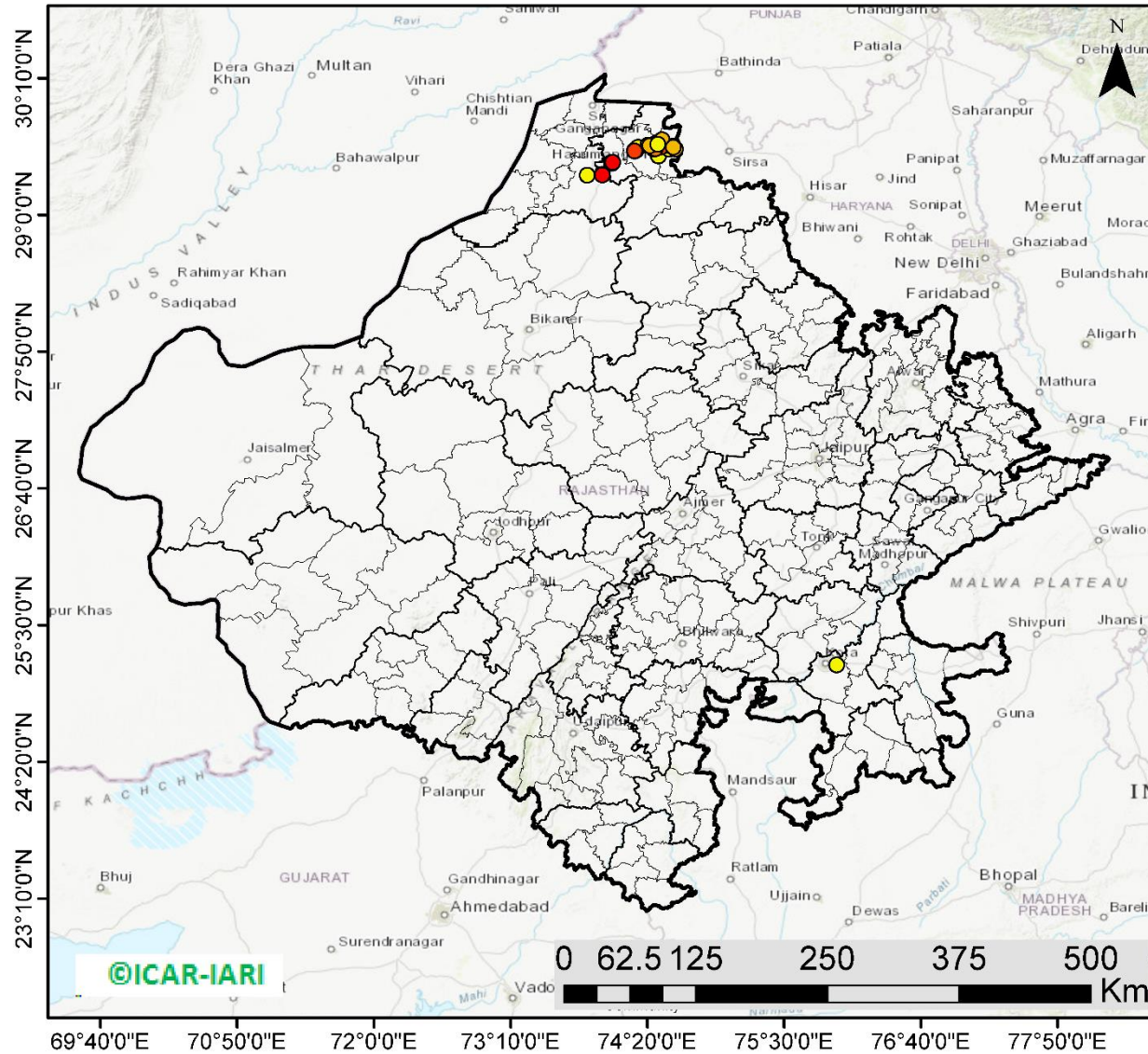


## District-wise cumulative number of residues burning events in Uttar Pradesh (15 Sep - 25 Nov-2021)



# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**30** burning events detected in Rajasthan on **25th November 2021**

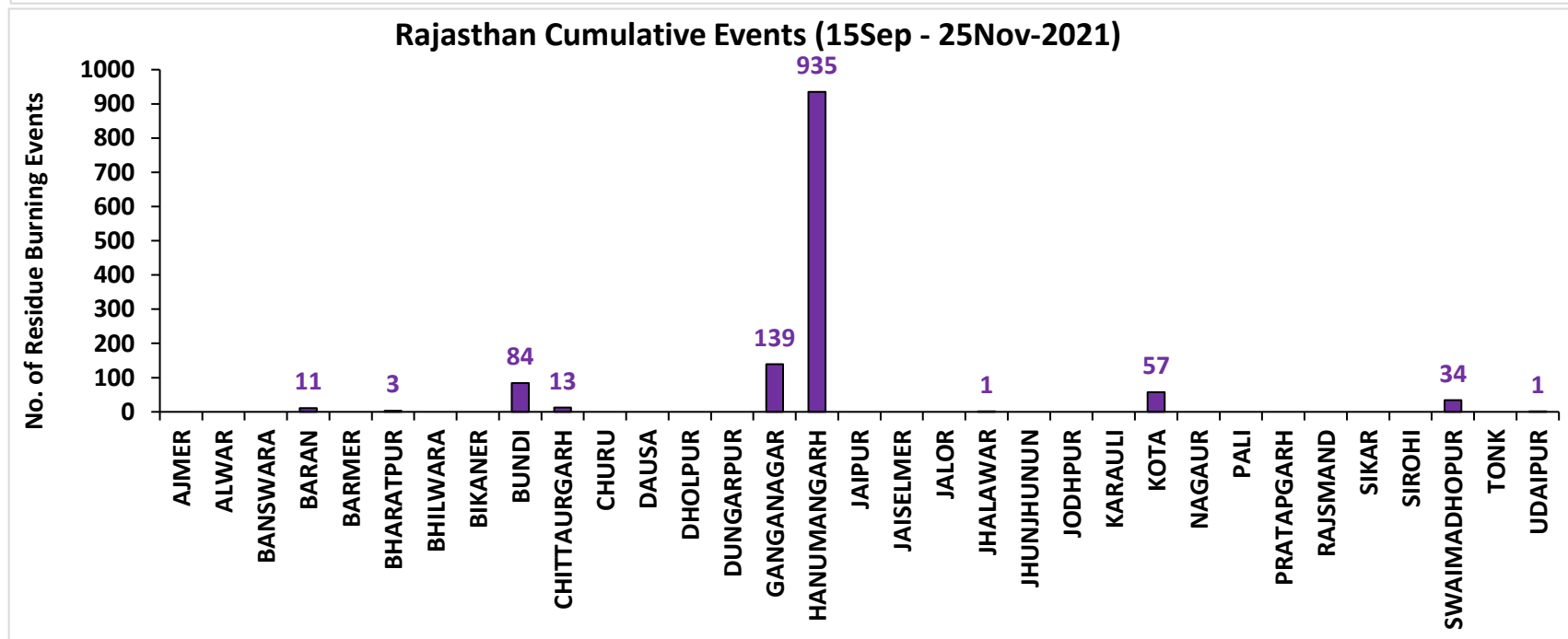
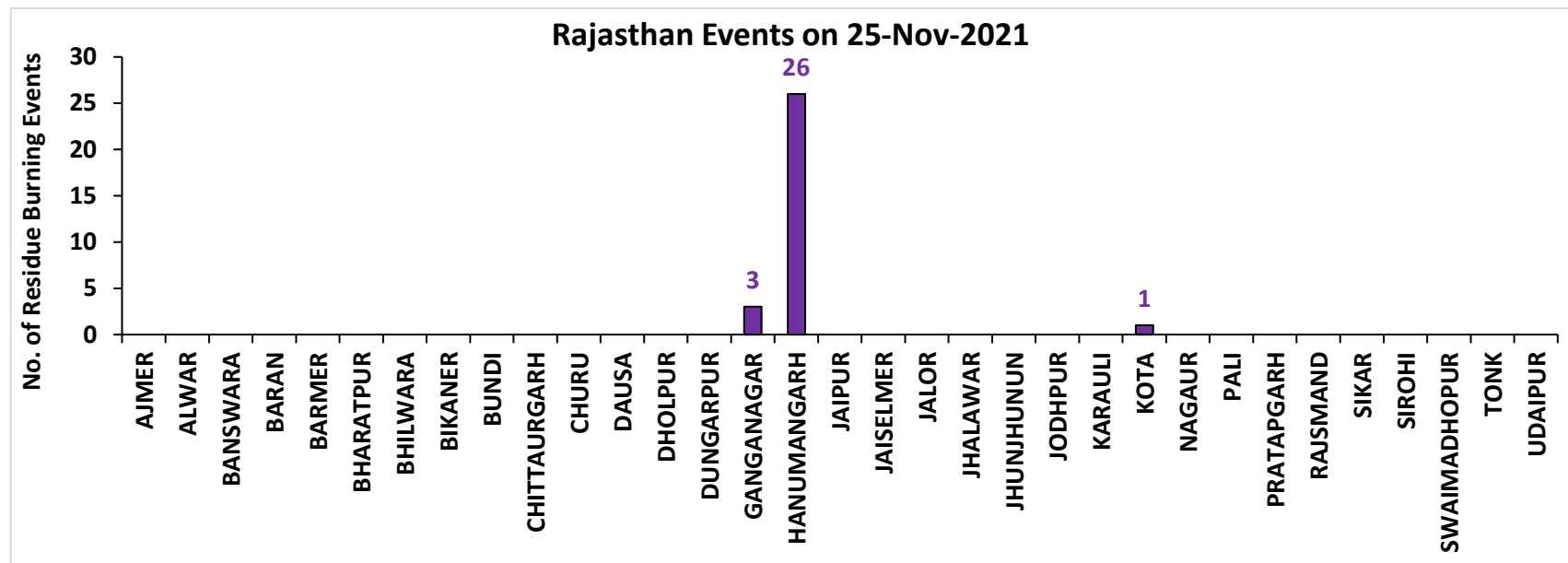
### Fire Intensity (W/m<sup>2</sup>)

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



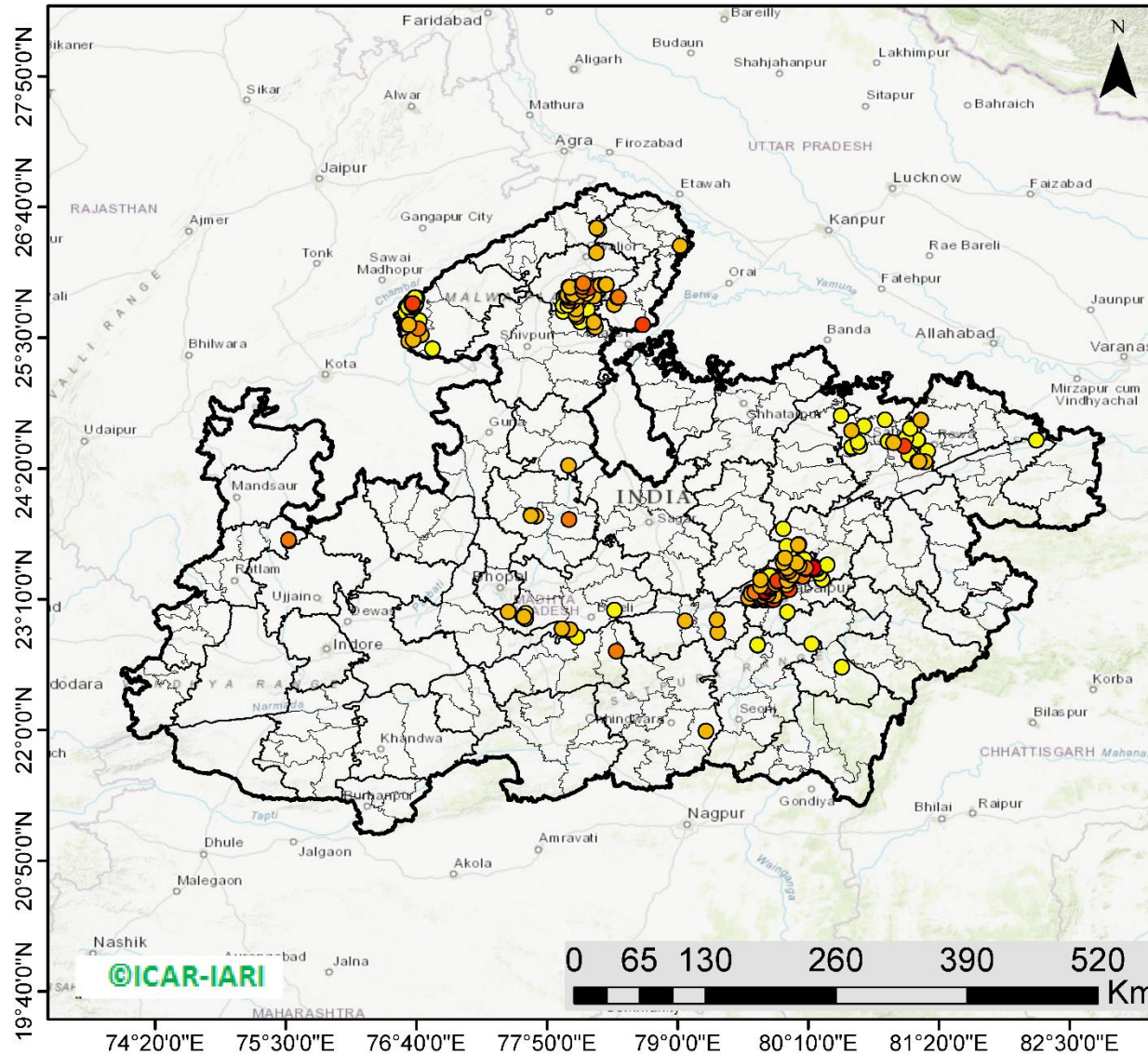
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Rajasthan (15 Sep - 25 Nov-2021)



# Madhya Pradesh

## RICE RESIDUE BURNING IN MADHYA PRADESH



**343** burning events detected in MP on 25th November 2021

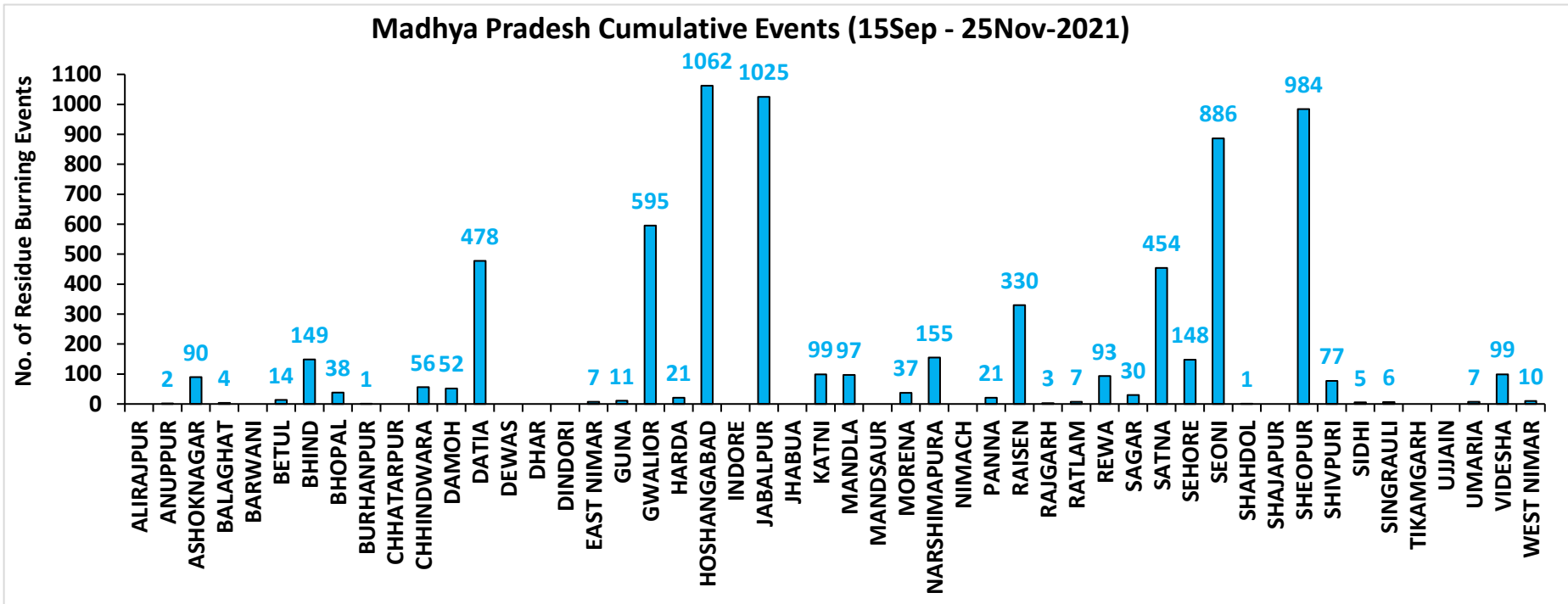
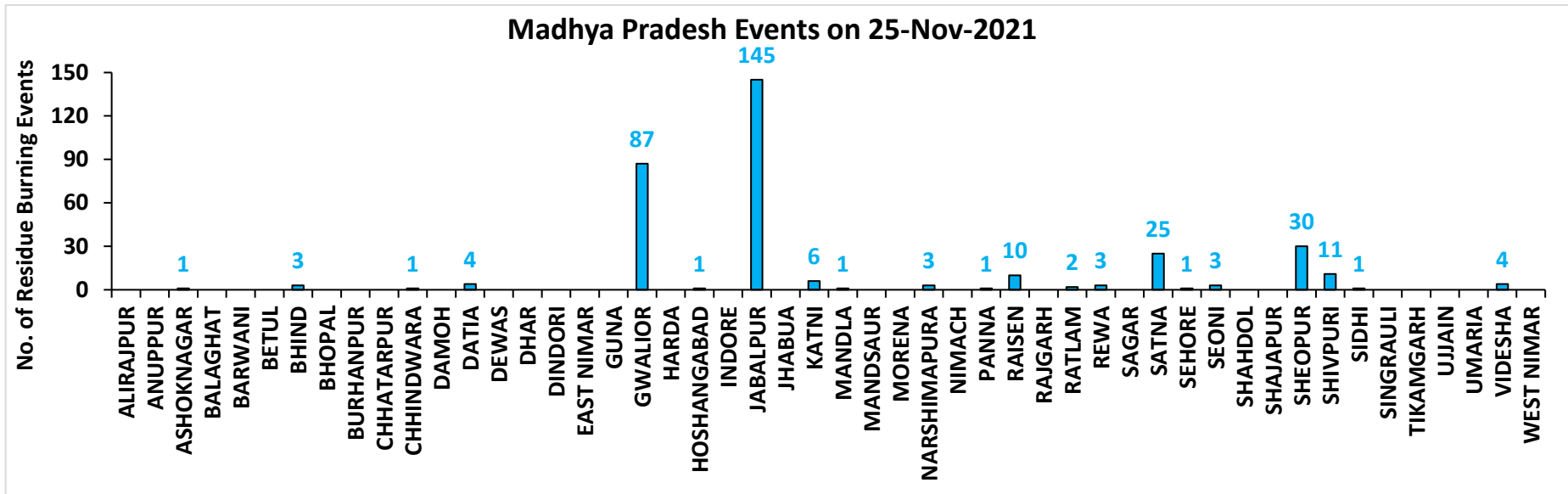
### Fire Intensity (W/m2)

- 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 - 25 Nov-2021)



**District-wise cumulative number of residues burning events detected in 2020 and 2021**  
**(Period: 15 September - 25 November)**

**(a) Punjab**

District	15 Sep – 25 Nov	
	2020	2021
AMRITSAR	3059	2173
BARNALA	5336	4325
BATHINDA	5226	4478
FARIDKOT	4727	3952
FATEHGARH SAHIB	1536	1722
FAZILKA	2523	2381
FIROZPUR	8509	6285
GURDASPUR	2124	1391
HOSHIARPUR	386	329
JALANDHAR	1939	2547
KAPURTHALA	1883	1796
LUDHIANA	5054	5814
MANSA	3780	3214
MOGA	7396	6515
MUKTSAR	4989	4583
PATHANKOT	13	6
PATIALA	6431	5422
RUPNAGAR	205	307
SANGRUR	11724	9387
SAS NAGAR (MOHALI)	127	147
SBS NAGAR	131	355
TARN TARAN	5604	4117
<b>Total</b>	<b>82702</b>	<b>71246</b>

**(b) Haryana**

District	15 Sep – 25 Nov	
	2020	2021
AMBALA	346	303
BHIWANI	4	10
CHARKHI DADRI	0	0
FARIDABAD	1	3
FATEHABAD	843	1473
GURGAON	0	0
HISAR	52	226
JHAJJAR	6	7
JIND	343	905
KAITHAL	838	1152
KARNAL	581	952
KURUKSHETRA	406	538
MAHENDRAGARH	0	0
MEWAT	0	0
PALWAL	46	114
PANCHKULA	0	0
PANIPAT	50	241
REWARI	0	0
ROHTAK	48	68
SIRSA	261	531
SONIPAT	70	201
YAMUNANAGAR	142	146
<b>Total</b>	<b>4037</b>	<b>6870</b>

(c) Uttar Pradesh

District	15 Sep – 25 Nov							
	2020	2021	GAUTAMBUDHNAGAR	15	19	MUZAFARNAGAR	48	22
AGRA	7	0	GAZIPUR	24	24	PILHIBHIT	21	213
ALIGARH	113	39	GHAZIABAD	26	14	PRATAPGARH	41	36
ALLAHABAD	34	19	GONDA	12	11	RAIBEARELI	40	76
AMBEDKARNAGAR	35	27	GORAKHPUR	45	28	RAMPUR	163	187
AMETHI	9	20	HAMIRPUR	6	0	SAMBHAL	19	17
AMROHA	12	8	HAPUR	31	13	SANTKABIRNAGAR	29	20
AURAIYA	82	68	HARDOI	101	106	SANTRAVIDASNAGAR	4	5
AZAMGARH	60	26	HATHRAS	0	0	SHAHJAHANPUR	143	410
BADAUN	14	16	JALAUN	43	0	SHAMLI	46	41
BAGHPAT	18	12	JAUNPUR	47	33	SHARANPUR	95	71
BAHRAICH	106	59	JHANSI	340	126	SHRAWASTI	47	45
BALLIA	133	64	KANNAUJ	33	6	SIDDHARTHANAGAR	74	128
BALRAMPUR	67	20	KANPUR	31	33	SITAPUR	64	46
BANDA	38	11	KANPUR DEHAT	81	47	SONBHADRA	0	2
BARABANKI	36	68	KASGANJ	3	2	SULTANPUR	7	24
BAREILLY	79	63	KAUSHAMBI	89	80	UNNAO	45	30
BASTI	57	50	KHERI	170	164	VARANASI	2	5
BIJNOR	40	38	KUSHINAGAR	80	34	<b>Total</b>	<b>3923</b>	<b>3543</b>
BULANDSAHAR	61	9	LALITPUR	3	6			
CHANDAULI	17	6	LUCKNOW	35	33			
CHITRAKOOT	12	9	MAHARAJGANJ	55	137			
DEORIA	83	28	MAHOBA	27	0			
ETAH	17	10	MAINPURI	63	49			
ETAWAH	75	88	MATHURA	160	240			
FAIZABAD	14	11	MAU	32	17			
FARRUKHABAD	6	4	MEERUT	71	32			
FATEHPUR	121	99	MIRZAPUR	10	10			
FIROZABAD	27	17	MORADABAD	29	12			

**(d) Delhi**

District	15 Sep – 25 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 – 25 Nov	
	2020	2021
AJMER	3	0
ALWAR	10	0
BANSWARA	0	0
BARAN	167	11
BARMER	4	0
BHARATPUR	2	3
BHILWARA	11	0
BIKANER	1	0
BUNDI	128	84
CHITTAURGARH	2	13
CHURU	0	0
DAUSA	1	0
DHOLPUR	0	0
DUNGARPUR	0	0
GANGANAGAR	202	139
HANUMANGARH	894	935
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	3	0
PALI	11	0
PRATAPGARH	8	0
RAJSMAND	1	0
SIKAR	0	0
SIROHI	2	0
SWAIMADHOPUR	65	34
TONK	5	0
UDAIPUR	2	1
<b>Total</b>	<b>1666</b>	<b>1278</b>



(f) Madhya Pradesh

District	15 Sep – 25 Nov				
	2020	2021			
			PANNA	50	21
ALIRAJPUR	0	0	RAISEN	602	330
ANUPPUR	3	2	RAJGARH	11	3
ASHOKNAGAR	156	90	RATLAM	10	7
BALAGHAT	8	4	REWA	136	93
BARWANI	4	0	SAGAR	28	30
BETUL	36	14	SATNA	570	454
BHIND	259	149	SEHORE	162	148
BHOPAL	50	38	SEONI	1231	886
BURHANPUR	16	1	SHAHDOL	3	1
CHHATARPUR	9	0	SHAJAPUR	20	0
CHHINDWARA	135	56	SHEOPUR	1858	984
DAMOH	75	52	SHIVPURI	382	77
DATIA	1185	478	SIDHI	4	5
DEWAS	8	0	SINGRAULI	0	6
DHAR	45	0	TIKAMGARH	4	0
DINDORI	0	0	UJJAIN	14	0
EAST NIMAR	23	7	UMARIA	8	7
GUNA	69	11	VIDESHA	142	99
GWALIOR	2045	595	WEST NIMAR	66	10
HARDA	14	21	<b>Total</b>	<b>13899</b>	<b>7154</b>
HOSHANGABAD	1059	1062			
INDORE	4	0			
JABALPUR	2564	1025			
JHABUA	0	0			
KATNI	324	99			
MANDLA	147	97			
MANDSAUR	14	0			
MORENA	62	37			
NARSHIMAPURA	282	155			
NIMACH	2	0			

**State-wise and date-wise number of paddy residue burning events detected in 2020 and 2021**  
**(Period: 15 September – 25 November)**

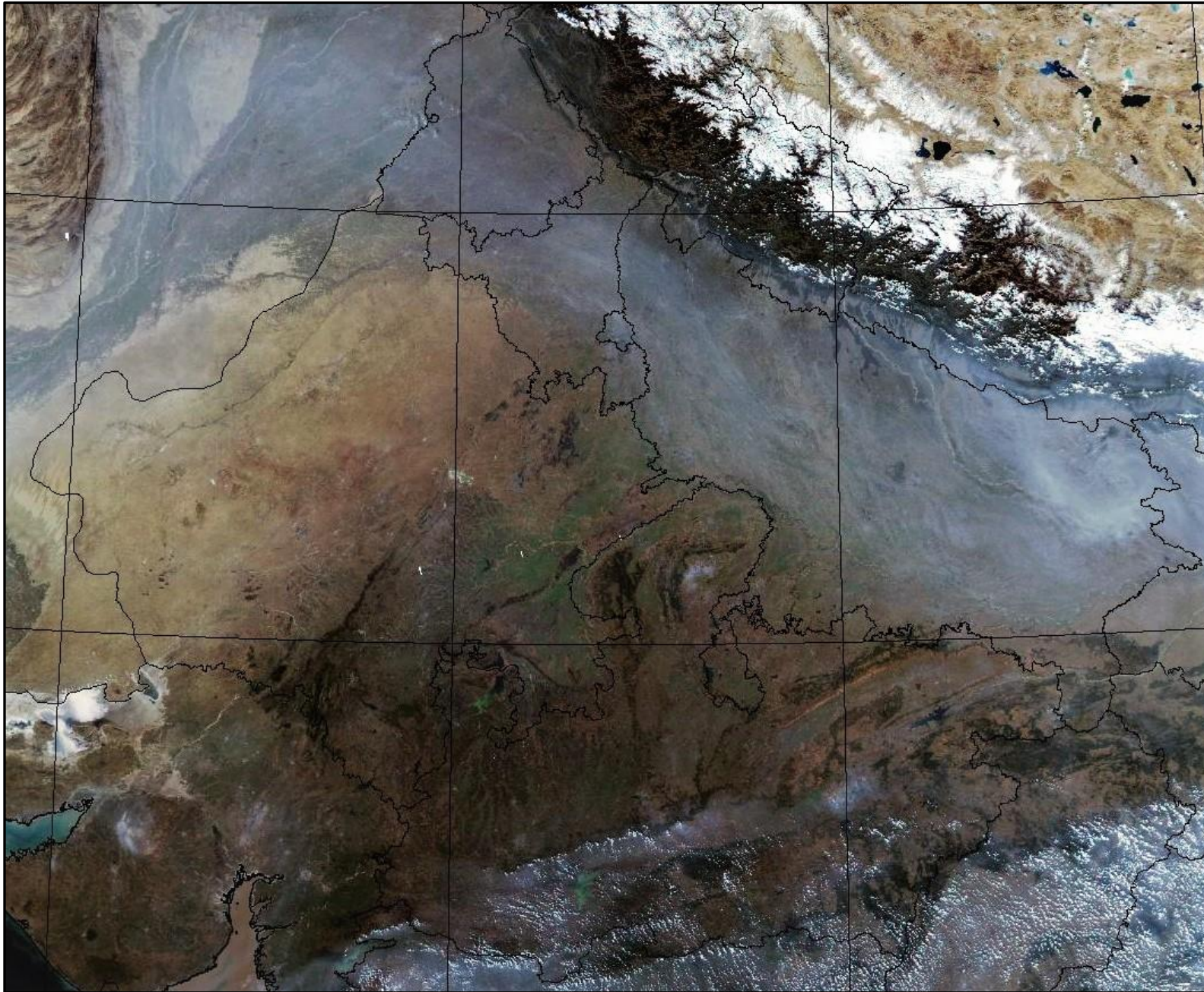
**Number of Paddy Residue Burning Events Detected**

	Punjab		Haryana		Uttar Pradesh		Delhi		Rajasthan		Madhya Pradesh	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
15-Sep	5	0	2	0	1	0	0	0	1	0	2	0
16-Sep	0	2	1	0	0	0	0	0	0	0	0	0
17-Sep	5	0	3	0	0	0	0	0	0	0	0	0
18-Sep	17	9	0	0	0	1	0	0	0	0	0	0
19-Sep	30	5	2	0	0	1	0	0	0	0	0	0
20-Sep	67	8	6	0	2	0	0	0	0	0	0	0
21-Sep	54	0	2	0	1	0	0	0	1	0	2	0
22-Sep	34	0	1	0	1	0	0	0	0	0	0	0
23-Sep	49	0	0	0	1	0	0	0	1	0	0	0
24-Sep	78	5	0	0	1	1	0	0	0	0	0	0
25-Sep	184	11	11	0	5	0	0	0	1	0	0	0
26-Sep	190	19	5	0	8	0	0	0	1	0	2	0
27-Sep	78	37	8	0	4	1	0	0	0	0	1	0
28-Sep	55	28	6	1	1	6	0	0	0	0	1	1
29-Sep	63	64	9	4	6	10	0	0	3	0	0	4
30-Sep	116	27	22	2	13	13	1	0	1	0	5	0
01-Oct	165	13	15	4	7	13	0	0	4	1	13	0
02-Oct	141	0	30	2	12	0	1	0	7	0	12	0
03-Oct	110	9	8	6	4	3	0	0	9	0	5	1
04-Oct	162	23	29	2	8	0	0	0	15	0	4	2
05-Oct	161	18	17	3	14	2	0	0	14	0	13	1
06-Oct	171	42	30	0	12	1	1	0	16	0	37	1
07-Oct	197	72	32	11	41	13	0	0	14	1	31	1
08-Oct	95	108	29	27	25	11	0	0	11	0	17	2
09-Oct	121	114	20	39	15	20	0	0	12	0	15	4
10-Oct	232	150	33	95	9	54	0	0	14	1	18	10
11-Oct	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>Total</b>	<b>82702</b>	<b>71246</b>	<b>4037</b>	<b>6870</b>	<b>3923</b>	<b>3543</b>	<b>9</b>	<b>4</b>	<b>1666</b>	<b>1278</b>	<b>13899</b>	<b>7154</b>

[AQUA \(MODIS\) Satellite image \(TCC\) of North and Central India Acquired on 25-Nov-2021 at 13:35:00 IST by IARI Ground Station](#)



### Details of residue burning events in Punjab on 25-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	CHOGAWAN	S-NPP	31.69250	74.57450	11/25/2021	13:55:20	D	3.70
2	AMRITSAR	CHOGAWAN	AQUA	31.72200	74.62900	11/25/2021	13:38:34	D	4.20
3	BATHINDA	TALWANDI SABO	S-NPP	30.01670	75.08030	11/25/2021	13:55:20	D	5.90
4	FARIDKOT	FARIDKOT	AQUA	30.62500	74.70300	11/25/2021	13:38:34	D	5.00
5	FARIDKOT	FARIDKOT	AQUA	30.62700	74.71300	11/25/2021	13:38:34	D	6.70
6	FATEHGARH SAHIB	AMLOH	AQUA	30.59700	76.13400	11/25/2021	13:38:34	D	9.80
7	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.31820	74.30080	11/25/2021	13:55:20	D	3.30
8	FAZILKA	FAZILKA	S-NPP	30.44730	74.13980	11/25/2021	13:55:20	D	2.10
9	FAZILKA	JALALABAD	S-NPP	30.46690	74.27710	11/25/2021	13:55:20	D	2.40
10	FAZILKA	JALALABAD	S-NPP	30.54000	74.33520	11/25/2021	13:55:20	D	5.20
11	FAZILKA	JALALABAD	S-NPP	30.59200	74.22710	11/25/2021	13:55:20	D	2.10
12	HOSHIARPUR	MUKERIAN	S-NPP	32.02890	75.67400	11/25/2021	13:55:20	D	4.70
13	JALANDHAR	MEHATPUR	S-NPP	31.07400	75.51940	11/25/2021	13:55:20	D	6.60
14	JALANDHAR	MEHATPUR	S-NPP	31.07450	75.52400	11/25/2021	13:55:20	D	9.10
15	MANSA	BHIKHI	S-NPP	30.17350	75.42660	11/25/2021	13:55:20	D	5.30
16	MANSA	BHIKHI	AQUA	30.17100	75.42700	11/25/2021	13:38:34	D	4.90
17	MANSA	SARDULGARH	S-NPP	29.56920	75.27620	11/25/2021	13:55:20	D	5.30
18	MANSA	SARDULGARH	S-NPP	29.57970	75.29630	11/25/2021	13:55:20	D	3.70
19	MANSA	SARDULGARH	AQUA	29.57900	75.29400	11/25/2021	13:38:34	D	6.90
20	MANSA	SARDULGARH	AQUA	29.80400	75.25100	11/25/2021	13:38:34	D	6.90
21	MUKTSAR	LAMBI	S-NPP	30.09070	74.59530	11/25/2021	13:55:20	D	5.30
22	MUKTSAR	LAMBI	S-NPP	30.09170	74.59290	11/25/2021	13:55:20	D	8.50
23	MUKTSAR	LAMBI	AQUA	30.09000	74.59100	11/25/2021	13:38:34	D	5.90
24	MUKTSAR	LAMBI	AQUA	30.09200	74.60200	11/25/2021	13:38:34	D	15.50
25	MUKTSAR	MUKTSAR	S-NPP	30.41790	74.41480	11/25/2021	13:55:20	D	47.90
26	MUKTSAR	MUKTSAR	AQUA	30.60700	74.58500	11/25/2021	13:38:34	D	10.80
27	MUKTSAR	MUKTSAR	AQUA	30.60900	74.59600	11/25/2021	13:38:34	D	18.30
28	PATIALA	SAMANA	S-NPP	30.23720	76.17130	11/25/2021	13:55:20	D	2.20

29	SANGRUR	LEHRA GAGA	S-NPP	29.92160	75.80090	11/25/2021	13:55:20	D	6.20
30	SANGRUR	LEHRA GAGA	S-NPP	29.97000	75.85080	11/25/2021	13:55:20	D	1.90
31	SBS NAGAR	AUR	AQUA	31.11100	75.98700	11/25/2021	13:38:34	D	6.30

### Details of residue burning events in Haryana on 25-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	FATEHABAD	BHUNA	S-NPP	29.51330	75.76170	11/25/2021	13:55:20	D	7.40
2	FATEHABAD	BHUNA	S-NPP	29.51700	75.79780	11/25/2021	13:55:20	D	5.30
3	FATEHABAD	BHUNA	AQUA	29.51100	75.75900	11/25/2021	13:38:34	D	5.50
4	FATEHABAD	FATEHABAD	S-NPP	29.58520	75.50970	11/25/2021	13:55:20	D	4.80
5	FATEHABAD	FATEHABAD	S-NPP	29.58900	75.50480	11/25/2021	13:55:20	D	3.70
6	FATEHABAD	FATEHABAD	S-NPP	29.58940	75.50920	11/25/2021	13:55:20	D	3.70
7	FATEHABAD	FATEHABAD	AQUA	29.58200	75.49600	11/25/2021	13:38:34	D	7.50
8	FATEHABAD	JAKHAL	S-NPP	29.78300	75.73680	11/25/2021	02:45:20	N	0.60
9	FATEHABAD	RATIA	S-NPP	29.72050	75.49700	11/25/2021	13:55:20	D	7.10
10	FATEHABAD	RATIA	S-NPP	29.73770	75.41950	11/25/2021	13:55:20	D	2.80
11	FATEHABAD	RATIA	AQUA	29.59200	75.50500	11/25/2021	13:38:34	D	4.60
12	FATEHABAD	RATIA	AQUA	29.73700	75.42100	11/25/2021	13:38:34	D	5.70
13	HISAR	HANSI-II	S-NPP	29.05290	76.21570	11/25/2021	13:55:20	D	2.30
14	HISAR	HANSI-II	S-NPP	29.11660	76.13780	11/25/2021	13:55:20	D	7.30
15	HISAR	NARNAUND	S-NPP	29.16080	76.18430	11/25/2021	13:55:20	D	5.40
16	HISAR	NARNAUND	S-NPP	29.19400	76.16580	11/25/2021	13:55:20	D	5.00
17	HISAR	NARNAUND	S-NPP	29.19460	76.16200	11/25/2021	13:55:20	D	2.30
18	HISAR	NARNAUND	AQUA	29.15800	76.18300	11/25/2021	13:38:34	D	6.00
19	JIND	JULANA	S-NPP	29.22150	76.30170	11/25/2021	13:55:20	D	5.90
20	JIND	NARWANA	S-NPP	29.63500	75.95520	11/25/2021	13:55:20	D	8.80
21	JIND	NARWANA	S-NPP	29.71100	75.99900	11/25/2021	13:55:20	D	4.40
22	JIND	NARWANA	S-NPP	29.71350	75.99710	11/25/2021	13:55:20	D	5.90
23	ROHTAK	LAKHAN MAJRA	AQUA	29.04500	76.42600	11/25/2021	13:38:34	D	8.40
24	ROHTAK	ROHTAK	S-NPP	28.96190	76.72730	11/25/2021	13:55:20	D	2.90
25	ROHTAK	ROHTAK	AQUA	28.96000	76.72800	11/25/2021	13:38:34	D	4.10

26	SIRSA	BARAGUNDA	S-NPP	29.60490	75.03010	11/25/2021	13:55:20	D	11.20
27	SIRSA	BARAGUNDA	S-NPP	29.61440	75.07890	11/25/2021	13:55:20	D	2.80
28	SIRSA	ELLENABAD	S-NPP	29.49280	74.75640	11/25/2021	13:55:20	D	7.70
29	SIRSA	ELLENABAD	AQUA	29.46200	74.77600	11/25/2021	13:38:34	D	4.80
30	SIRSA	NATHUSARI CHOPTA	S-NPP	29.51090	75.25830	11/25/2021	13:55:20	D	4.20
31	SIRSA	NATHUSARI CHOPTA	S-NPP	29.51140	75.26250	11/25/2021	13:55:20	D	6.00
32	SIRSA	RANIA	S-NPP	29.47890	74.85850	11/25/2021	13:55:20	D	6.50
33	SIRSA	RANIA	S-NPP	29.55080	74.58700	11/25/2021	13:55:20	D	3.90
34	SIRSA	RANIA	S-NPP	29.55670	74.60390	11/25/2021	13:55:20	D	8.60
35	SIRSA	RANIA	S-NPP	29.55880	74.60160	11/25/2021	13:55:20	D	14.20
36	SIRSA	RANIA	S-NPP	29.56070	74.60330	11/25/2021	13:55:20	D	8.60
37	SIRSA	SIRSA	S-NPP	29.49380	74.95450	11/25/2021	13:55:20	D	4.20
38	SIRSA	SIRSA	S-NPP	29.55660	75.19670	11/25/2021	13:55:20	D	2.90
39	SIRSA	SIRSA	S-NPP	29.59360	75.03990	11/25/2021	13:55:20	D	4.60
40	SONIPAT	KHARKHODA	S-NPP	28.90580	76.91730	11/25/2021	13:55:20	D	3.90
41	SONIPAT	MUNDLANA	S-NPP	29.25050	76.67120	11/25/2021	13:55:20	D	2.00



### Details of residue burning events in Uttar Pradesh on 25-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALLAHABAD	KORAWN	S-NPP	25.04450	81.82760	11/25/2021	01:05:02	N	0.50
2	AMBEDKARNAGAR	JALALPUR	S-NPP	26.39270	82.72990	11/25/2021	13:55:20	D	3.70
3	AURAIYA	AURAIYA	S-NPP	26.60140	79.52530	11/25/2021	13:55:20	D	2.20
4	AURAIYA	BIDHUNA	S-NPP	26.74980	79.59000	11/25/2021	13:55:20	D	3.40
5	BALLIA	BELTHARA ROAD	S-NPP	26.06110	83.90090	11/25/2021	12:15:02	D	3.60
6	BALLIA	BELTHARA ROAD	S-NPP	26.06170	83.90530	11/25/2021	12:15:02	D	4.90
7	BALLIA	BELTHARA ROAD	S-NPP	26.06220	83.90530	11/25/2021	12:15:02	D	4.60
8	BALLIA	RASRA	S-NPP	25.81800	83.93480	11/25/2021	13:55:20	D	4.20
9	BALLIA	RASRA	S-NPP	25.82150	83.93770	11/25/2021	13:55:20	D	6.40
10	BANDA	ATARRA	S-NPP	25.22110	80.59250	11/25/2021	13:55:20	D	3.90
11	BANDA	BABERU	S-NPP	25.64790	80.77470	11/25/2021	12:15:02	D	5.50
12	CHANDAULI	CHANDAULI	S-NPP	25.17110	83.32100	11/25/2021	12:15:02	D	2.60
13	ETAWAH	ETAWAH	AQUA	26.77800	79.09700	11/25/2021	13:38:34	D	6.30
14	FATEHPUR	BINKI	S-NPP	25.98570	80.56920	11/25/2021	13:55:20	D	8.30
15	FATEHPUR	BINKI	S-NPP	25.99080	80.56760	11/25/2021	13:55:20	D	11.50
16	FATEHPUR	BINKI	S-NPP	25.99120	80.56870	11/25/2021	13:55:20	D	8.30
17	FATEHPUR	BINKI	AQUA	25.98400	80.57000	11/25/2021	13:38:34	D	7.30
18	FATEHPUR	FATEHPUR	S-NPP	25.73770	81.00830	11/25/2021	13:55:20	D	5.80
19	FATEHPUR	FATEHPUR	AQUA	25.81000	80.64700	11/25/2021	13:38:34	D	9.20
20	GORAKHPUR	GORAKHPUR	AQUA	26.79200	83.50100	11/25/2021	13:38:34	D	11.00
21	HARDOI	HARDOI	S-NPP	27.42810	79.96940	11/25/2021	13:55:20	D	6.80
22	HARDOI	HARDOI	S-NPP	27.43130	79.96860	11/25/2021	13:55:20	D	4.50
23	HARDOI	HARDOI	S-NPP	27.47040	80.16270	11/25/2021	13:55:20	D	5.10
24	JAUNPUR	SHHGANJ	S-NPP	26.04310	82.60310	11/25/2021	12:15:02	D	2.80
25	JAUNPUR	SHHGANJ	AQUA	25.94600	82.74500	11/25/2021	13:38:34	D	11.30
26	JHANSI	MOTH	S-NPP	25.67280	78.88900	11/25/2021	13:55:20	D	8.50
27	JHANSI	MOTH	S-NPP	25.70210	78.83070	11/25/2021	13:55:20	D	11.50
28	JHANSI	MOTH	S-NPP	25.71250	78.83570	11/25/2021	13:55:20	D	4.60
29	JHANSI	MOTH	S-NPP	25.72760	78.88920	11/25/2021	13:55:20	D	13.80

30	JHANSI	MOTH	S-NPP	25.74730	78.88700	11/25/2021	13:55:20	D	10.60
31	JHANSI	MOTH	S-NPP	25.74880	78.88510	11/25/2021	13:55:20	D	6.30
32	JHANSI	MOTH	S-NPP	25.76450	78.90980	11/25/2021	13:55:20	D	4.60
33	JHANSI	MOTH	S-NPP	25.76990	78.96500	11/25/2021	13:55:20	D	3.30
34	JHANSI	MOTH	S-NPP	25.77190	78.91960	11/25/2021	13:55:20	D	6.70
35	JHANSI	MOTH	S-NPP	25.77360	78.93810	11/25/2021	13:55:20	D	6.70
36	JHANSI	MOTH	S-NPP	25.77950	78.89410	11/25/2021	13:55:20	D	2.40
37	JHANSI	MOTH	S-NPP	25.79980	78.89800	11/25/2021	13:55:20	D	4.90
38	JHANSI	MOTH	S-NPP	25.82630	78.91370	11/25/2021	13:55:20	D	2.00
39	JHANSI	MOTH	AQUA	25.66700	78.88200	11/25/2021	13:38:34	D	11.30
40	JHANSI	MOTH	AQUA	25.66900	78.89300	11/25/2021	13:38:34	D	9.00
41	JHANSI	MOTH	AQUA	25.69700	78.82400	11/25/2021	13:38:34	D	9.90
42	JHANSI	MOTH	AQUA	25.70200	78.86600	11/25/2021	13:38:34	D	9.50
43	JHANSI	MOTH	AQUA	25.70800	78.84700	11/25/2021	13:38:34	D	11.40
44	JHANSI	MOTH	AQUA	25.71400	78.94900	11/25/2021	13:38:34	D	17.60
45	JHANSI	MOTH	AQUA	25.72300	78.88800	11/25/2021	13:38:34	D	10.60
46	JHANSI	MOTH	AQUA	25.74100	78.88500	11/25/2021	13:38:34	D	16.30
47	JHANSI	MOTH	AQUA	25.76200	78.96700	11/25/2021	13:38:34	D	6.90
48	JHANSI	MOTH	AQUA	25.76700	78.93400	11/25/2021	13:38:34	D	10.90
49	JHANSI	MOTH	AQUA	25.76800	78.94500	11/25/2021	13:38:34	D	10.00
50	JHANSI	TAHRAULI	AQUA	25.57100	78.77600	11/25/2021	13:38:34	D	11.70
51	KAUSHAMBI	MANJHANPUR	S-NPP	25.44570	81.24850	11/25/2021	13:55:20	D	6.70
52	KAUSHAMBI	MANJHANPUR	AQUA	25.44400	81.24600	11/25/2021	13:38:34	D	10.60
53	KAUSHAMBI	MANJHANPUR	AQUA	25.49800	81.27200	11/25/2021	13:38:34	D	15.50
54	KHERI	GOLA	S-NPP	27.94490	80.27290	11/25/2021	13:55:20	D	2.20
55	KHERI	MOHMADI	S-NPP	27.79430	80.25910	11/25/2021	13:55:20	D	2.20
56	KHERI	MOHMADI	S-NPP	27.95830	80.16300	11/25/2021	13:55:20	D	2.20
57	KHERI	MOHMADI	S-NPP	28.01060	80.24570	11/25/2021	12:15:02	D	4.00
58	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.02930	83.62790	11/25/2021	12:15:02	D	4.10
59	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.04230	83.58160	11/25/2021	12:15:02	D	2.80
60	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.06120	83.51550	11/25/2021	13:55:20	D	4.60
61	MATHURA	CHHATA	S-NPP	27.83430	77.49050	11/25/2021	13:55:20	D	5.80
62	MAU	MADHUBAN	S-NPP	26.05260	83.63940	11/25/2021	12:15:02	D	3.00

63	MEERUT	MEERUT	S-NPP	28.84600	77.76140	11/25/2021	13:55:20	D	8.10
64	MEERUT	SARDHANA	S-NPP	29.15100	77.78560	11/25/2021	13:55:20	D	5.20
65	MEERUT	SARDHANA	S-NPP	29.15190	77.78690	11/25/2021	13:55:20	D	7.10
66	MUZAFARNAGAR	BUDHANA	AQUA	29.20400	77.49300	11/25/2021	13:38:34	D	4.70
67	MUZAFARNAGAR	BUDHANA	AQUA	29.22600	77.52200	11/25/2021	13:38:34	D	6.40
68	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.60560	77.58870	11/25/2021	13:55:20	D	5.30
69	PRATAPGARH	PATTI	S-NPP	26.00290	82.27610	11/25/2021	13:55:20	D	6.10
70	SHAHJAHANPUR	PUWANYA	S-NPP	28.22790	80.27690	11/25/2021	13:55:20	D	1.80
71	SHAHJAHANPUR	PUWANYA	S-NPP	28.30480	79.97910	11/25/2021	12:15:02	D	3.30
72	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.80890	79.95440	11/25/2021	13:55:20	D	1.60
73	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.88690	79.81600	11/25/2021	13:55:20	D	1.70
74	SHAMLI	KAIRANA	S-NPP	29.50950	77.20590	11/25/2021	13:55:20	D	5.20
75	SHAMLI	KAIRANA	S-NPP	29.51120	77.20320	11/25/2021	13:55:20	D	5.20
76	SHAMLI	SHAMLI	S-NPP	29.55210	77.47250	11/25/2021	13:55:20	D	3.40
77	SHARANPUR	NAKUR	AQUA	29.82700	77.21000	11/25/2021	13:38:34	D	6.90
78	SULTANPUR	KADIRPUR	AQUA	26.21400	82.36900	11/25/2021	13:38:34	D	8.90
79	UNNAO	BIGHAPUR	S-NPP	26.40170	80.78580	11/25/2021	13:55:20	D	3.70
80	UNNAO	BIGHAPUR	AQUA	26.39600	80.78400	11/25/2021	13:38:34	D	8.70

### Details of residue burning events in Rajasthan on 25-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	GANGANAGAR	SURATGARH	S-NPP	29.33870	73.82200	11/25/2021	13:55:20	D	3.00
2	GANGANAGAR	SURATGARH	S-NPP	29.34620	73.95070	11/25/2021	13:55:20	D	4.60
3	GANGANAGAR	SURATGARH	AQUA	29.34000	73.95100	11/25/2021	13:38:34	D	23.20
4	HANUMANGARH	HANUMANGARH	S-NPP	29.54920	74.22640	11/25/2021	13:55:20	D	14.80
5	HANUMANGARH	HANUMANGARH	S-NPP	29.55050	74.23760	11/25/2021	13:55:20	D	21.20
6	HANUMANGARH	HANUMANGARH	S-NPP	29.55440	74.23700	11/25/2021	13:55:20	D	21.20
7	HANUMANGARH	HANUMANGARH	S-NPP	29.57630	74.25650	11/25/2021	13:55:20	D	2.50
8	HANUMANGARH	HANUMANGARH	S-NPP	29.59380	74.33970	11/25/2021	13:55:20	D	7.10
9	HANUMANGARH	HANUMANGARH	S-NPP	29.59640	74.36240	11/25/2021	13:55:20	D	52.90
10	HANUMANGARH	HANUMANGARH	AQUA	29.54400	74.22500	11/25/2021	13:38:34	D	16.70
11	HANUMANGARH	HANUMANGARH	AQUA	29.56100	74.39200	11/25/2021	13:38:34	D	20.50
12	HANUMANGARH	HANUMANGARH	AQUA	29.56300	74.40300	11/25/2021	13:38:34	D	10.20
13	HANUMANGARH	HANUMANGARH	AQUA	29.59000	74.35700	11/25/2021	13:38:34	D	5.80
14	HANUMANGARH	P LIBANGA	S-NPP	29.43940	74.03260	11/25/2021	13:55:20	D	2.10
15	HANUMANGARH	P LIBANGA	S-NPP	29.44320	74.03200	11/25/2021	13:55:20	D	5.90
16	HANUMANGARH	P LIBANGA	S-NPP	29.44710	74.03140	11/25/2021	13:55:20	D	5.90
17	HANUMANGARH	P LIBANGA	AQUA	29.44500	74.02700	11/25/2021	13:38:34	D	15.00
18	HANUMANGARH	P LIBANGA	AQUA	29.44700	74.03800	11/25/2021	13:38:34	D	29.10
19	HANUMANGARH	SANGHRIYA	S-NPP	29.61400	74.41190	11/25/2021	13:55:20	D	8.70
20	HANUMANGARH	TIBI	S-NPP	29.50080	74.43040	11/25/2021	13:55:20	D	3.80
21	HANUMANGARH	TIBI	S-NPP	29.55930	74.52100	11/25/2021	13:55:20	D	3.10
22	HANUMANGARH	TIBI	S-NPP	29.56130	74.57360	11/25/2021	13:55:20	D	5.20
23	HANUMANGARH	TIBI	S-NPP	29.57850	74.45190	11/25/2021	13:55:20	D	17.60
24	HANUMANGARH	TIBI	S-NPP	29.58610	74.55630	11/25/2021	13:55:20	D	7.60
25	HANUMANGARH	TIBI	S-NPP	29.60150	74.40790	11/25/2021	13:55:20	D	5.10

26	HANUMANGARH	TIBI	S-NPP	29.60680	74.41870	11/25/2021	13:55:20	D	3.90
27	HANUMANGARH	TIBI	S-NPP	29.63950	74.46050	11/25/2021	13:55:20	D	5.20
28	HANUMANGARH	TIBI	AQUA	29.57700	74.55700	11/25/2021	13:38:34	D	8.80
29	HANUMANGARH	TIBI	AQUA	29.60100	74.42300	11/25/2021	13:38:34	D	4.50
30	KOTA	LADPURA	S-NPP	25.15970	75.95070	11/25/2021	13:55:20	D	2.70

### Details of residue burning events in Madhya Pradesh on 25-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	ASHOKNAGAR	MUNGAOLI	S-NPP	24.35910	78.02460	11/25/2021	13:55:20	D	5.10
2	BHIND	GOHAD	S-NPP	26.46490	78.29580	11/25/2021	13:55:20	D	3.40
3	BHIND	GOHAD	S-NPP	26.47760	78.27700	11/25/2021	13:55:20	D	6.30
4	BHIND	MAJHGAWAN	AQUA	26.32000	79.02400	11/25/2021	13:38:34	D	7.60
5	CHHINDWARA	CHAURAI	S-NPP	21.98930	79.25360	11/25/2021	13:55:20	D	7.40
6	DATIA	DATIA	S-NPP	25.79420	78.43310	11/25/2021	13:55:20	D	7.00
7	DATIA	DATIA	AQUA	25.61400	78.68900	11/25/2021	13:38:34	D	15.40
8	DATIA	SEONDHA	AQUA	25.85900	78.46200	11/25/2021	13:38:34	D	7.50
9	DATIA	SEONDHA	AQUA	25.86100	78.47200	11/25/2021	13:38:34	D	14.20
10	GWALIOR	BHITARWAR	S-NPP	25.72510	78.07550	11/25/2021	13:55:20	D	2.40
11	GWALIOR	BHITARWAR	S-NPP	25.75120	78.19420	11/25/2021	13:55:20	D	2.70
12	GWALIOR	BHITARWAR	S-NPP	25.75540	78.09400	11/25/2021	13:55:20	D	6.80
13	GWALIOR	BHITARWAR	S-NPP	25.79410	78.03710	11/25/2021	13:55:20	D	5.10
14	GWALIOR	BHITARWAR	S-NPP	25.81610	78.11690	11/25/2021	13:55:20	D	4.10
15	GWALIOR	BHITARWAR	S-NPP	25.82320	78.04460	11/25/2021	13:55:20	D	9.10
16	GWALIOR	BHITARWAR	S-NPP	25.82700	78.08260	11/25/2021	13:55:20	D	2.90
17	GWALIOR	BHITARWAR	S-NPP	25.83310	78.04890	11/25/2021	13:55:20	D	7.10
18	GWALIOR	BHITARWAR	S-NPP	25.83360	78.05430	11/25/2021	13:55:20	D	7.10
19	GWALIOR	BHITARWAR	S-NPP	25.85980	77.98580	11/25/2021	13:55:20	D	5.00
20	GWALIOR	BHITARWAR	S-NPP	25.86230	78.05650	11/25/2021	13:55:20	D	12.20
21	GWALIOR	BHITARWAR	S-NPP	25.86280	78.06190	11/25/2021	13:55:20	D	12.20
22	GWALIOR	BHITARWAR	S-NPP	25.86750	78.06140	11/25/2021	13:55:20	D	13.10
23	GWALIOR	BHITARWAR	S-NPP	25.86830	78.11640	11/25/2021	13:55:20	D	8.60
24	GWALIOR	BHITARWAR	S-NPP	25.86860	78.07220	11/25/2021	13:55:20	D	12.60
25	GWALIOR	BHITARWAR	S-NPP	25.86890	78.05450	11/25/2021	13:55:20	D	2.00
26	GWALIOR	BHITARWAR	S-NPP	25.86900	78.00510	11/25/2021	13:55:20	D	6.30
27	GWALIOR	BHITARWAR	S-NPP	25.87000	78.06540	11/25/2021	13:55:20	D	7.20
28	GWALIOR	BHITARWAR	S-NPP	25.87130	78.00620	11/25/2021	13:55:20	D	3.30
29	GWALIOR	BHITARWAR	S-NPP	25.87410	78.03320	11/25/2021	13:55:20	D	8.50
30	GWALIOR	BHITARWAR	S-NPP	25.87620	78.03160	11/25/2021	13:55:20	D	7.60

31	GWALIOR	BHITARWAR	S-NPP	25.88170	78.01580	11/25/2021	13:55:20	D	4.70
32	GWALIOR	BHITARWAR	S-NPP	25.88980	78.04770	11/25/2021	13:55:20	D	5.20
33	GWALIOR	BHITARWAR	S-NPP	25.89080	78.08490	11/25/2021	13:55:20	D	4.20
34	GWALIOR	BHITARWAR	S-NPP	25.89340	78.06250	11/25/2021	13:55:20	D	3.50
35	GWALIOR	BHITARWAR	S-NPP	25.92170	78.15900	11/25/2021	13:55:20	D	23.40
36	GWALIOR	BHITARWAR	S-NPP	25.92740	78.11930	11/25/2021	13:55:20	D	6.30
37	GWALIOR	BHITARWAR	S-NPP	25.92830	78.08050	11/25/2021	13:55:20	D	19.20
38	GWALIOR	BHITARWAR	S-NPP	25.92850	78.13030	11/25/2021	13:55:20	D	6.20
39	GWALIOR	BHITARWAR	S-NPP	25.93050	78.10240	11/25/2021	13:55:20	D	11.50
40	GWALIOR	BHITARWAR	S-NPP	25.93160	78.11330	11/25/2021	13:55:20	D	6.10
41	GWALIOR	BHITARWAR	S-NPP	25.93570	78.10730	11/25/2021	13:55:20	D	6.10
42	GWALIOR	BHITARWAR	S-NPP	25.93790	78.12920	11/25/2021	13:55:20	D	6.80
43	GWALIOR	BHITARWAR	S-NPP	25.93950	78.14570	11/25/2021	13:55:20	D	9.10
44	GWALIOR	BHITARWAR	S-NPP	25.94210	78.12320	11/25/2021	13:55:20	D	7.30
45	GWALIOR	BHITARWAR	S-NPP	25.94290	78.08430	11/25/2021	13:55:20	D	2.10
46	GWALIOR	BHITARWAR	S-NPP	25.94440	78.19540	11/25/2021	13:55:20	D	13.70
47	GWALIOR	BHITARWAR	S-NPP	25.94660	78.21760	11/25/2021	13:55:20	D	11.50
48	GWALIOR	BHITARWAR	S-NPP	25.94910	78.19480	11/25/2021	13:55:20	D	3.60
49	GWALIOR	BHITARWAR	S-NPP	25.95160	78.02820	11/25/2021	13:55:20	D	3.10
50	GWALIOR	BHITARWAR	S-NPP	25.95230	78.08320	11/25/2021	13:55:20	D	8.60
51	GWALIOR	BHITARWAR	S-NPP	25.95310	78.13850	11/25/2021	13:55:20	D	4.90
52	GWALIOR	BHITARWAR	S-NPP	25.96080	78.21600	11/25/2021	13:55:20	D	4.90
53	GWALIOR	BHITARWAR	S-NPP	25.96420	78.15400	11/25/2021	13:55:20	D	6.40
54	GWALIOR	BHITARWAR	S-NPP	25.97050	78.17000	11/25/2021	13:55:20	D	5.70
55	GWALIOR	BHITARWAR	AQUA	25.75400	78.09300	11/25/2021	13:38:34	D	7.20
56	GWALIOR	BHITARWAR	AQUA	25.78400	77.97900	11/25/2021	13:38:34	D	5.00
57	GWALIOR	BHITARWAR	AQUA	25.79000	78.01900	11/25/2021	13:38:34	D	4.90
58	GWALIOR	BHITARWAR	AQUA	25.82400	78.06400	11/25/2021	13:38:34	D	9.20
59	GWALIOR	BHITARWAR	AQUA	25.82900	78.03300	11/25/2021	13:38:34	D	14.00
60	GWALIOR	BHITARWAR	AQUA	25.85600	78.02800	11/25/2021	13:38:34	D	6.90
61	GWALIOR	BHITARWAR	AQUA	25.86000	78.05800	11/25/2021	13:38:34	D	33.90
62	GWALIOR	BHITARWAR	AQUA	25.86100	78.06800	11/25/2021	13:38:34	D	18.20
63	GWALIOR	BHITARWAR	AQUA	25.86800	78.11800	11/25/2021	13:38:34	D	8.60

64	GWALIOR	BHITARWAR	AQUA	25.88100	78.01800	11/25/2021	13:38:34	D	8.10
65	GWALIOR	BHITARWAR	AQUA	25.88700	78.05800	11/25/2021	13:38:34	D	8.10
66	GWALIOR	BHITARWAR	AQUA	25.88800	78.06800	11/25/2021	13:38:34	D	10.00
67	GWALIOR	BHITARWAR	AQUA	25.91800	78.15600	11/25/2021	13:38:34	D	14.80
68	GWALIOR	BHITARWAR	AQUA	25.94500	78.21300	11/25/2021	13:38:34	D	15.30
69	GWALIOR	BHITARWAR	AQUA	25.94800	78.03700	11/25/2021	13:38:34	D	5.10
70	GWALIOR	BHITARWAR	AQUA	25.95400	78.15000	11/25/2021	13:38:34	D	13.90
71	GWALIOR	BHITARWAR	AQUA	25.98400	78.15900	11/25/2021	13:38:34	D	11.60
72	GWALIOR	DABRA	S-NPP	25.86940	78.22210	11/25/2021	13:55:20	D	9.40
73	GWALIOR	DABRA	S-NPP	25.88450	78.21930	11/25/2021	13:55:20	D	2.00
74	GWALIOR	DABRA	S-NPP	25.90500	78.23370	11/25/2021	13:55:20	D	6.40
75	GWALIOR	DABRA	S-NPP	25.90840	78.22870	11/25/2021	13:55:20	D	9.80
76	GWALIOR	DABRA	S-NPP	25.90920	78.22750	11/25/2021	13:55:20	D	5.10
77	GWALIOR	DABRA	S-NPP	25.90940	78.28530	11/25/2021	13:55:20	D	4.80
78	GWALIOR	DABRA	S-NPP	25.90980	78.28420	11/25/2021	13:55:20	D	3.60
79	GWALIOR	DABRA	S-NPP	25.91070	78.25110	11/25/2021	13:55:20	D	8.20
80	GWALIOR	DABRA	S-NPP	25.91130	78.24990	11/25/2021	13:55:20	D	10.30
81	GWALIOR	DABRA	S-NPP	25.91450	78.23260	11/25/2021	13:55:20	D	8.80
82	GWALIOR	DABRA	S-NPP	25.91470	78.29040	11/25/2021	13:55:20	D	4.80
83	GWALIOR	DABRA	S-NPP	25.91510	78.28930	11/25/2021	13:55:20	D	6.60
84	GWALIOR	DABRA	S-NPP	25.92350	78.27690	11/25/2021	13:55:20	D	9.50
85	GWALIOR	DABRA	S-NPP	25.93400	78.23590	11/25/2021	13:55:20	D	7.40
86	GWALIOR	DABRA	S-NPP	25.93520	78.29830	11/25/2021	13:55:20	D	4.90
87	GWALIOR	DABRA	S-NPP	25.93560	78.25280	11/25/2021	13:55:20	D	5.60
88	GWALIOR	DABRA	S-NPP	25.96260	78.28370	11/25/2021	13:55:20	D	4.30
89	GWALIOR	DABRA	S-NPP	25.97010	78.31140	11/25/2021	13:55:20	D	2.60
90	GWALIOR	DABRA	AQUA	25.86500	78.16000	11/25/2021	13:38:34	D	11.60
91	GWALIOR	DABRA	AQUA	25.86800	78.25300	11/25/2021	13:38:34	D	5.60
92	GWALIOR	DABRA	AQUA	25.89600	78.19100	11/25/2021	13:38:34	D	5.00
93	GWALIOR	DABRA	AQUA	25.96800	78.31300	11/25/2021	13:38:34	D	8.50
94	GWALIOR	DABRA	AQUA	25.97300	78.35400	11/25/2021	13:38:34	D	13.60
95	GWALIOR	DABRA	AQUA	25.97400	78.36400	11/25/2021	13:38:34	D	10.00
96	GWALIOR	GWALIOR	AQUA	26.25800	78.27600	11/25/2021	13:38:34	D	7.20



97	HOSHANGABAD	BANKHERI	AQUA	22.70300	78.45200	11/25/2021	13:38:34	D	10.50
98	JABALPUR	JABALPUR	S-NPP	23.05180	79.97970	11/25/2021	13:55:20	D	2.20
99	JABALPUR	JABALPUR	S-NPP	23.16150	79.85880	11/25/2021	13:55:20	D	2.50
100	JABALPUR	JABALPUR	S-NPP	23.18280	79.86630	11/25/2021	13:55:20	D	4.10
101	JABALPUR	JABALPUR	S-NPP	23.18310	79.86950	11/25/2021	13:55:20	D	4.10
102	JABALPUR	JABALPUR	S-NPP	23.18550	79.86690	11/25/2021	13:55:20	D	2.00
103	JABALPUR	JABALPUR	S-NPP	23.20560	79.86150	11/25/2021	13:55:20	D	3.40
104	JABALPUR	JABALPUR	S-NPP	23.23370	79.94020	11/25/2021	13:55:20	D	2.90
105	JABALPUR	JABALPUR	S-NPP	23.25400	79.99070	11/25/2021	13:55:20	D	1.60
106	JABALPUR	JABALPUR	S-NPP	23.27810	79.91900	11/25/2021	13:55:20	D	3.30
107	JABALPUR	JABALPUR	S-NPP	23.27850	79.92230	11/25/2021	13:55:20	D	3.30
108	JABALPUR	JABALPUR	S-NPP	23.30130	79.97270	11/25/2021	13:55:20	D	5.10
109	JABALPUR	JABALPUR	S-NPP	23.30410	79.97230	11/25/2021	13:55:20	D	4.00
110	JABALPUR	JABALPUR	S-NPP	23.30440	79.97560	11/25/2021	13:55:20	D	5.40
111	JABALPUR	JABALPUR	S-NPP	23.31490	79.95140	11/25/2021	13:55:20	D	2.80
112	JABALPUR	JABALPUR	S-NPP	23.32000	79.89500	11/25/2021	13:55:20	D	3.10
113	JABALPUR	JABALPUR	S-NPP	23.32180	79.91450	11/25/2021	13:55:20	D	2.00
114	JABALPUR	JABALPUR	S-NPP	23.33330	79.98260	11/25/2021	13:55:20	D	3.30
115	JABALPUR	JABALPUR	S-NPP	23.33530	79.89340	11/25/2021	13:55:20	D	3.90
116	JABALPUR	JABALPUR	S-NPP	23.33560	79.89660	11/25/2021	13:55:20	D	3.90
117	JABALPUR	JABALPUR	S-NPP	23.33690	79.96560	11/25/2021	13:55:20	D	4.10
118	JABALPUR	JABALPUR	S-NPP	23.34270	79.97170	11/25/2021	13:55:20	D	4.80
119	JABALPUR	JABALPUR	S-NPP	23.34780	79.97110	11/25/2021	13:55:20	D	4.80
120	JABALPUR	JABALPUR	S-NPP	23.35110	79.95090	11/25/2021	13:55:20	D	3.00
121	JABALPUR	JABALPUR	S-NPP	23.35140	79.95420	11/25/2021	13:55:20	D	3.00
122	JABALPUR	JABALPUR	S-NPP	23.35590	79.94710	11/25/2021	13:55:20	D	2.50
123	JABALPUR	JABALPUR	AQUA	23.16000	79.84400	11/25/2021	13:38:34	D	6.50
124	JABALPUR	JABALPUR	AQUA	23.16200	79.85500	11/25/2021	13:38:34	D	18.00
125	JABALPUR	JABALPUR	AQUA	23.25100	79.98700	11/25/2021	13:38:34	D	23.20
126	JABALPUR	JABALPUR	AQUA	23.25300	79.99800	11/25/2021	13:38:34	D	16.20
127	JABALPUR	JABALPUR	AQUA	23.29400	79.97400	11/25/2021	13:38:34	D	7.20
128	JABALPUR	JABALPUR	AQUA	23.30000	79.87500	11/25/2021	13:38:34	D	7.90
129	JABALPUR	JABALPUR	AQUA	23.32200	79.89400	11/25/2021	13:38:34	D	7.30

130	JABALPUR	JABALPUR	AQUA	23.33100	79.89200	11/25/2021	13:38:34	D	17.80
131	JABALPUR	JABALPUR	AQUA	23.33300	79.97900	11/25/2021	13:38:34	D	8.10
132	JABALPUR	KUNDAM	S-NPP	23.34050	80.29000	11/25/2021	13:55:20	D	5.00
133	JABALPUR	KUNDAM	S-NPP	23.34070	80.29050	11/25/2021	13:55:20	D	4.40
134	JABALPUR	MAJHOULI	S-NPP	23.37480	79.98150	11/25/2021	13:55:20	D	4.40
135	JABALPUR	MAJHOULI	S-NPP	23.37510	79.98480	11/25/2021	13:55:20	D	4.40
136	JABALPUR	MAJHOULI	S-NPP	23.38250	79.95420	11/25/2021	13:55:20	D	4.20
137	JABALPUR	MAJHOULI	S-NPP	23.39440	79.96950	11/25/2021	13:55:20	D	4.80
138	JABALPUR	MAJHOULI	S-NPP	23.40500	79.97170	11/25/2021	13:55:20	D	4.90
139	JABALPUR	MAJHOULI	S-NPP	23.40530	79.97500	11/25/2021	13:55:20	D	4.90
140	JABALPUR	MAJHOULI	S-NPP	23.40680	79.97270	11/25/2021	13:55:20	D	5.20
141	JABALPUR	MAJHOULI	S-NPP	23.40710	79.97600	11/25/2021	13:55:20	D	4.60
142	JABALPUR	MAJHOULI	S-NPP	23.41460	80.00180	11/25/2021	13:55:20	D	1.80
143	JABALPUR	MAJHOULI	S-NPP	23.41940	79.96030	11/25/2021	13:55:20	D	4.40
144	JABALPUR	MAJHOULI	S-NPP	23.42100	79.95790	11/25/2021	13:55:20	D	3.90
145	JABALPUR	MAJHOULI	S-NPP	23.43280	80.03000	11/25/2021	13:55:20	D	2.80
146	JABALPUR	MAJHOULI	S-NPP	23.44370	79.97870	11/25/2021	13:55:20	D	2.60
147	JABALPUR	MAJHOULI	S-NPP	23.45070	79.99800	11/25/2021	13:55:20	D	2.60
148	JABALPUR	MAJHOULI	S-NPP	23.45620	80.00070	11/25/2021	13:55:20	D	2.60
149	JABALPUR	MAJHOULI	S-NPP	23.47020	80.03940	11/25/2021	13:55:20	D	1.10
150	JABALPUR	MAJHOULI	S-NPP	23.51580	80.13280	11/25/2021	13:55:20	D	2.90
151	JABALPUR	MAJHOULI	S-NPP	23.52100	80.13230	11/25/2021	13:55:20	D	2.90
152	JABALPUR	MAJHOULI	S-NPP	23.53260	79.96120	11/25/2021	13:55:20	D	3.80
153	JABALPUR	MAJHOULI	S-NPP	23.53290	79.96450	11/25/2021	13:55:20	D	3.80
154	JABALPUR	MAJHOULI	S-NPP	23.53770	79.96070	11/25/2021	13:55:20	D	3.80
155	JABALPUR	MAJHOULI	S-NPP	23.56110	79.98820	11/25/2021	13:55:20	D	3.80
156	JABALPUR	MAJHOULI	S-NPP	23.56170	79.99480	11/25/2021	13:55:20	D	3.90
157	JABALPUR	MAJHOULI	AQUA	23.40400	79.97300	11/25/2021	13:38:34	D	14.60
158	JABALPUR	MAJHOULI	AQUA	23.41600	79.99400	11/25/2021	13:38:34	D	10.50
159	JABALPUR	MAJHOULI	AQUA	23.44300	79.97800	11/25/2021	13:38:34	D	7.40
160	JABALPUR	MAJHOULI	AQUA	23.48900	80.06400	11/25/2021	13:38:34	D	5.60
161	JABALPUR	MAJHOULI	AQUA	23.49300	79.94200	11/25/2021	13:38:34	D	9.70
162	JABALPUR	MAJHOULI	AQUA	23.53300	79.95800	11/25/2021	13:38:34	D	9.60

163	JABALPUR	PATAN	S-NPP	23.19600	79.81400	11/25/2021	13:55:20	D	5.60
164	JABALPUR	PATAN	S-NPP	23.19780	79.83320	11/25/2021	13:55:20	D	2.20
165	JABALPUR	PATAN	S-NPP	23.20500	79.85510	11/25/2021	13:55:20	D	3.30
166	JABALPUR	PATAN	S-NPP	23.21900	79.73310	11/25/2021	13:55:20	D	5.90
167	JABALPUR	PATAN	S-NPP	23.22680	79.65620	11/25/2021	13:55:20	D	8.30
168	JABALPUR	PATAN	S-NPP	23.23280	79.82300	11/25/2021	13:55:20	D	3.30
169	JABALPUR	PATAN	S-NPP	23.25910	79.82990	11/25/2021	13:55:20	D	7.50
170	JABALPUR	PATAN	S-NPP	23.25940	79.83310	11/25/2021	13:55:20	D	7.50
171	JABALPUR	PATAN	S-NPP	23.26070	79.84590	11/25/2021	13:55:20	D	2.00
172	JABALPUR	PATAN	S-NPP	23.26420	79.82940	11/25/2021	13:55:20	D	10.80
173	JABALPUR	PATAN	S-NPP	23.27340	79.81870	11/25/2021	13:55:20	D	1.90
174	JABALPUR	PATAN	S-NPP	23.28850	79.83320	11/25/2021	13:55:20	D	3.30
175	JABALPUR	PATAN	S-NPP	23.29020	79.83300	11/25/2021	13:55:20	D	3.60
176	JABALPUR	PATAN	S-NPP	23.30930	79.78250	11/25/2021	13:55:20	D	2.90
177	JABALPUR	PATAN	S-NPP	23.31060	79.79520	11/25/2021	13:55:20	D	2.50
178	JABALPUR	PATAN	S-NPP	23.31920	79.77820	11/25/2021	13:55:20	D	1.30
179	JABALPUR	PATAN	S-NPP	23.33640	79.74420	11/25/2021	13:55:20	D	3.50
180	JABALPUR	PATAN	S-NPP	23.36170	79.74150	11/25/2021	13:55:20	D	2.20
181	JABALPUR	PATAN	S-NPP	23.36580	79.78290	11/25/2021	13:55:20	D	3.90
182	JABALPUR	PATAN	S-NPP	23.37200	79.84700	11/25/2021	13:55:20	D	2.40
183	JABALPUR	PATAN	S-NPP	23.37490	79.82400	11/25/2021	13:55:20	D	4.10
184	JABALPUR	PATAN	AQUA	23.19600	79.85500	11/25/2021	13:38:34	D	8.20
185	JABALPUR	PATAN	AQUA	23.19700	79.86500	11/25/2021	13:38:34	D	9.50
186	JABALPUR	PATAN	AQUA	23.20900	79.81000	11/25/2021	13:38:34	D	12.10
187	JABALPUR	PATAN	AQUA	23.21700	79.65900	11/25/2021	13:38:34	D	6.50
188	JABALPUR	PATAN	AQUA	23.22300	79.77500	11/25/2021	13:38:34	D	6.10
189	JABALPUR	PATAN	AQUA	23.23100	79.68900	11/25/2021	13:38:34	D	13.30
190	JABALPUR	PATAN	AQUA	23.23400	79.78400	11/25/2021	13:38:34	D	20.70
191	JABALPUR	PATAN	AQUA	23.25800	79.82400	11/25/2021	13:38:34	D	19.80
192	JABALPUR	PATAN	AQUA	23.26000	79.83400	11/25/2021	13:38:34	D	56.60
193	JABALPUR	PATAN	AQUA	23.27300	79.81500	11/25/2021	13:38:34	D	6.80
194	JABALPUR	PATAN	AQUA	23.28000	79.79200	11/25/2021	13:38:34	D	46.20
195	JABALPUR	PATAN	AQUA	23.28100	79.80300	11/25/2021	13:38:34	D	64.00

196	JABALPUR	PATAN	AQUA	23.28200	79.73800	11/25/2021	13:38:34	D	6.50
197	JABALPUR	PATAN	AQUA	23.34000	79.74000	11/25/2021	13:38:34	D	8.50
198	JABALPUR	SAHPURA	S-NPP	23.15810	79.77240	11/25/2021	13:55:20	D	2.60
199	JABALPUR	SAHPURA	S-NPP	23.15840	79.77550	11/25/2021	13:55:20	D	2.60
200	JABALPUR	SAHPURA	S-NPP	23.16630	79.75240	11/25/2021	13:55:20	D	3.40
201	JABALPUR	SAHPURA	S-NPP	23.16770	79.71570	11/25/2021	13:55:20	D	6.80
202	JABALPUR	SAHPURA	S-NPP	23.17120	79.71290	11/25/2021	13:55:20	D	4.50
203	JABALPUR	SAHPURA	S-NPP	23.17210	79.65840	11/25/2021	13:55:20	D	12.00
204	JABALPUR	SAHPURA	S-NPP	23.17330	79.68100	11/25/2021	13:55:20	D	7.30
205	JABALPUR	SAHPURA	S-NPP	23.17590	79.65550	11/25/2021	13:55:20	D	10.70
206	JABALPUR	SAHPURA	S-NPP	23.18020	79.80930	11/25/2021	13:55:20	D	2.80
207	JABALPUR	SAHPURA	S-NPP	23.20070	79.75580	11/25/2021	13:55:20	D	5.10
208	JABALPUR	SAHPURA	AQUA	23.15500	79.69000	11/25/2021	13:38:34	D	16.30
209	JABALPUR	SAHPURA	AQUA	23.16300	79.67800	11/25/2021	13:38:34	D	7.70
210	JABALPUR	SAHPURA	AQUA	23.17000	79.65600	11/25/2021	13:38:34	D	15.60
211	JABALPUR	SAHPURA	AQUA	23.17600	79.63300	11/25/2021	13:38:34	D	7.30
212	JABALPUR	SAHPURA	AQUA	23.19300	79.75900	11/25/2021	13:38:34	D	22.50
213	JABALPUR	SAHPURA	AQUA	23.19400	79.76900	11/25/2021	13:38:34	D	10.60
214	JABALPUR	SIHORA	S-NPP	23.37430	80.08510	11/25/2021	13:55:20	D	2.30
215	JABALPUR	SIHORA	S-NPP	23.39640	80.26400	11/25/2021	13:55:20	D	3.00
216	JABALPUR	SIHORA	S-NPP	23.43200	80.19300	11/25/2021	13:55:20	D	3.40
217	JABALPUR	SIHORA	S-NPP	23.43200	80.19490	11/25/2021	13:55:20	D	4.10
218	JABALPUR	SIHORA	S-NPP	23.43630	80.24080	11/25/2021	13:55:20	D	2.60
219	JABALPUR	SIHORA	S-NPP	23.43660	80.24270	11/25/2021	13:55:20	D	4.60
220	JABALPUR	SIHORA	S-NPP	23.43660	80.24420	11/25/2021	13:55:20	D	4.90
221	JABALPUR	SIHORA	S-NPP	23.44120	80.23530	11/25/2021	13:55:20	D	1.80
222	JABALPUR	SIHORA	S-NPP	23.44120	80.23680	11/25/2021	13:55:20	D	3.30
223	JABALPUR	SIHORA	S-NPP	23.44190	80.24210	11/25/2021	13:55:20	D	3.70
224	JABALPUR	SIHORA	S-NPP	23.44190	80.24370	11/25/2021	13:55:20	D	5.00
225	JABALPUR	SIHORA	S-NPP	23.44360	80.14720	11/25/2021	13:55:20	D	3.10
226	JABALPUR	SIHORA	S-NPP	23.44440	80.21430	11/25/2021	13:55:20	D	3.80
227	JABALPUR	SIHORA	S-NPP	23.44460	80.21570	11/25/2021	13:55:20	D	4.50
228	JABALPUR	SIHORA	S-NPP	23.44480	80.21770	11/25/2021	13:55:20	D	9.30

229	JABALPUR	SIHORA	S-NPP	23.44490	80.21910	11/25/2021	13:55:20	D	4.50
230	JABALPUR	SIHORA	S-NPP	23.44880	80.14670	11/25/2021	13:55:20	D	3.10
231	JABALPUR	SIHORA	S-NPP	23.44920	80.20840	11/25/2021	13:55:20	D	3.40
232	JABALPUR	SIHORA	S-NPP	23.44950	80.21180	11/25/2021	13:55:20	D	3.40
233	JABALPUR	SIHORA	S-NPP	23.45390	80.08840	11/25/2021	13:55:20	D	1.80
234	JABALPUR	SIHORA	S-NPP	23.46000	80.21070	11/25/2021	13:55:20	D	2.20
235	JABALPUR	SIHORA	S-NPP	23.46300	80.07390	11/25/2021	13:55:20	D	1.60
236	JABALPUR	SIHORA	AQUA	23.37000	80.11700	11/25/2021	13:38:34	D	13.10
237	JABALPUR	SIHORA	AQUA	23.38100	80.02100	11/25/2021	13:38:34	D	7.10
238	JABALPUR	SIHORA	AQUA	23.43600	80.14600	11/25/2021	13:38:34	D	11.00
239	JABALPUR	SIHORA	AQUA	23.44300	80.12200	11/25/2021	13:38:34	D	14.20
240	JABALPUR	SIHORA	AQUA	23.44400	80.21200	11/25/2021	13:38:34	D	26.20
241	JABALPUR	SIHORA	AQUA	23.44500	80.14400	11/25/2021	13:38:34	D	13.90
242	JABALPUR	SIHORA	AQUA	23.46700	80.08500	11/25/2021	13:38:34	D	6.00
243	KATNI	BAHURIBAND	S-NPP	23.63930	79.97390	11/25/2021	13:55:20	D	3.00
244	KATNI	BAHURIBAND	S-NPP	23.65460	80.08420	11/25/2021	13:55:20	D	3.10
245	KATNI	BAHURIBAND	S-NPP	23.79460	79.94400	11/25/2021	13:55:20	D	2.30
246	KATNI	BAHURIBAND	AQUA	23.64900	80.07800	11/25/2021	13:38:34	D	6.20
247	KATNI	DHIMERKHEDA	S-NPP	23.47100	80.33120	11/25/2021	13:55:20	D	2.30
248	KATNI	DHIMERKHEDA	S-NPP	23.47130	80.33470	11/25/2021	13:55:20	D	2.30
249	MANDLA	MANDLA	S-NPP	22.55890	80.46720	11/25/2021	13:55:20	D	1.70
250	NARSHIMAPURA	GOTECAON	AQUA	22.98300	79.35200	11/25/2021	13:38:34	D	5.80
251	NARSHIMAPURA	KARELI	AQUA	22.97200	79.06700	11/25/2021	13:38:34	D	8.20
252	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.86980	79.35990	11/25/2021	13:55:20	D	6.60
253	PANNA	PANNA	S-NPP	24.80370	80.45990	11/25/2021	13:55:20	D	3.20
254	RAISEN	BARELI	S-NPP	22.82750	78.10110	11/25/2021	02:45:20	N	0.70
255	RAISEN	BARELI	S-NPP	22.89260	78.03840	11/25/2021	13:55:20	D	4.10
256	RAISEN	BARELI	S-NPP	22.89450	78.04000	11/25/2021	13:55:20	D	6.70
257	RAISEN	GOHARGANJ	S-NPP	22.99890	77.64400	11/25/2021	13:55:20	D	8.40
258	RAISEN	GOHARGANJ	S-NPP	23.03890	77.64360	11/25/2021	13:55:20	D	3.10
259	RAISEN	GOHARGANJ	AQUA	22.99300	77.64200	11/25/2021	13:38:34	D	6.50
260	RAISEN	GOHARGANJ	AQUA	23.00800	77.61900	11/25/2021	13:38:34	D	5.90
261	RAISEN	GOHARGANJ	AQUA	23.00900	77.62900	11/25/2021	13:38:34	D	7.90

262	RAISEN	GOHARGANJ	AQUA	23.05300	77.48700	11/25/2021	13:38:34	D	6.90
263	RAISEN	UDAIPURA	S-NPP	23.06960	78.43610	11/25/2021	13:55:20	D	3.00
264	RATLAM	ALOTOT	AQUA	23.68600	75.52700	11/25/2021	13:38:34	D	8.10
265	RATLAM	ALOTOT	AQUA	23.69500	75.52600	11/25/2021	13:38:34	D	11.50
266	REWA	HUZUR	S-NPP	24.48600	81.23270	11/25/2021	13:55:20	D	2.50
267	REWA	HUZUR	S-NPP	24.48830	81.23230	11/25/2021	13:55:20	D	2.10
268	REWA	SIRMAUR	AQUA	24.76500	81.17100	11/25/2021	13:38:34	D	8.70
269	SATNA	AMARPATAN	S-NPP	24.41520	81.17280	11/25/2021	13:55:20	D	1.30
270	SATNA	AMARPATAN	S-NPP	24.45540	81.06310	11/25/2021	13:55:20	D	1.70
271	SATNA	AMARPATAN	S-NPP	24.45650	81.06290	11/25/2021	13:55:20	D	1.40
272	SATNA	AMARPATAN	S-NPP	24.45770	81.20610	11/25/2021	13:55:20	D	8.00
273	SATNA	AMARPATAN	AQUA	24.39100	81.19700	11/25/2021	13:38:34	D	13.00
274	SATNA	AMARPATAN	AQUA	24.39300	81.21000	11/25/2021	13:38:34	D	7.90
275	SATNA	AMARPATAN	AQUA	24.39500	81.14400	11/25/2021	13:38:34	D	7.20
276	SATNA	AMARPATAN	AQUA	24.39700	81.15700	11/25/2021	13:38:34	D	7.20
277	SATNA	MAJHGAWAN	S-NPP	24.76580	80.85340	11/25/2021	13:55:20	D	3.40
278	SATNA	MAJHGAWAN	S-NPP	24.76610	80.85260	11/25/2021	13:55:20	D	3.10
279	SATNA	NAGOD	S-NPP	24.51350	80.55650	11/25/2021	13:55:20	D	3.00
280	SATNA	NAGOD	S-NPP	24.52220	80.55320	11/25/2021	13:55:20	D	2.20
281	SATNA	NAGOD	S-NPP	24.52260	80.55690	11/25/2021	13:55:20	D	2.20
282	SATNA	NAGOD	S-NPP	24.52430	80.55540	11/25/2021	13:55:20	D	2.60
283	SATNA	NAGOD	S-NPP	24.53030	80.62660	11/25/2021	13:55:20	D	3.00
284	SATNA	NAGOD	S-NPP	24.56740	80.61180	11/25/2021	13:55:20	D	2.20
285	SATNA	NAGOD	AQUA	24.66900	80.55300	11/25/2021	13:38:34	D	7.00
286	SATNA	RAGURAJNAGAR	S-NPP	24.57350	80.87910	11/25/2021	13:55:20	D	1.50
287	SATNA	RAGURAJNAGAR	S-NPP	24.71100	80.66620	11/25/2021	13:55:20	D	3.10
288	SATNA	RAMPURBAGHLEAN	S-NPP	24.58630	81.14510	11/25/2021	13:55:20	D	3.40
289	SATNA	RAMPURBAGHLEAN	S-NPP	24.58970	81.14390	11/25/2021	13:55:20	D	3.00
290	SATNA	RAMPURBAGHLEAN	S-NPP	24.60200	81.03800	11/25/2021	12:15:02	D	3.30
291	SATNA	RAMPURBAGHLEAN	S-NPP	24.69000	81.07760	11/25/2021	13:55:20	D	3.70
292	SATNA	RAMPURBAGHLEAN	AQUA	24.53300	81.02200	11/25/2021	13:38:34	D	19.10
293	SATNA	RAMPURBAGHLEAN	AQUA	24.56200	80.92800	11/25/2021	13:38:34	D	6.40
294	SEHORE	BUDHNI	AQUA	22.90100	77.96600	11/25/2021	13:38:34	D	6.80

295	SEONI	GHANSAUR	S-NPP	22.76610	80.19670	11/25/2021	13:55:20	D	1.90
296	SEONI	LAKHNADOU	S-NPP	22.75380	79.71510	11/25/2021	13:55:20	D	3.40
297	SEONI	LAKHNADOU	S-NPP	22.75820	79.71370	11/25/2021	13:55:20	D	3.40
298	SHEOPUR	KARAHAL	S-NPP	25.40170	76.81130	11/25/2021	13:55:20	D	3.30
299	SHEOPUR	SHEOPUR	S-NPP	25.46760	76.59870	11/25/2021	13:55:20	D	3.70
300	SHEOPUR	SHEOPUR	S-NPP	25.52330	76.71130	11/25/2021	13:55:20	D	5.60
301	SHEOPUR	SHEOPUR	S-NPP	25.52630	76.71200	11/25/2021	13:55:20	D	8.00
302	SHEOPUR	SHEOPUR	S-NPP	25.58800	76.68160	11/25/2021	13:55:20	D	11.10
303	SHEOPUR	SHEOPUR	S-NPP	25.58850	76.68610	11/25/2021	13:55:20	D	8.20
304	SHEOPUR	SHEOPUR	S-NPP	25.65220	76.69200	11/25/2021	13:55:20	D	1.80
305	SHEOPUR	SHEOPUR	S-NPP	25.66640	76.58310	11/25/2021	13:55:20	D	9.80
306	SHEOPUR	SHEOPUR	S-NPP	25.72470	76.57310	11/25/2021	13:55:20	D	2.10
307	SHEOPUR	SHEOPUR	S-NPP	25.72540	76.57110	11/25/2021	13:55:20	D	3.00
308	SHEOPUR	SHEOPUR	S-NPP	25.74680	76.61900	11/25/2021	13:55:20	D	4.90
309	SHEOPUR	SHEOPUR	S-NPP	25.76960	76.62950	11/25/2021	13:55:20	D	2.50
310	SHEOPUR	SHEOPUR	S-NPP	25.77430	76.59330	11/25/2021	13:55:20	D	2.30
311	SHEOPUR	SHEOPUR	S-NPP	25.78010	76.64610	11/25/2021	13:55:20	D	8.40
312	SHEOPUR	SHEOPUR	S-NPP	25.78050	76.65060	11/25/2021	13:55:20	D	8.40
313	SHEOPUR	SHEOPUR	S-NPP	25.79670	76.63950	11/25/2021	13:55:20	D	3.30
314	SHEOPUR	SHEOPUR	S-NPP	25.80190	76.64780	11/25/2021	13:55:20	D	6.10
315	SHEOPUR	SHEOPUR	S-NPP	25.80290	76.65670	11/25/2021	13:55:20	D	7.60
316	SHEOPUR	SHEOPUR	S-NPP	25.80770	76.66060	11/25/2021	13:55:20	D	3.80
317	SHEOPUR	SHEOPUR	S-NPP	25.80810	76.66500	11/25/2021	13:55:20	D	3.80
318	SHEOPUR	SHEOPUR	S-NPP	25.83420	76.64420	11/25/2021	13:55:20	D	1.70
319	SHEOPUR	SHEOPUR	S-NPP	25.85460	76.67310	11/25/2021	13:55:20	D	4.80
320	SHEOPUR	SHEOPUR	S-NPP	25.85700	76.65470	11/25/2021	13:55:20	D	3.00
321	SHEOPUR	SHEOPUR	AQUA	25.46700	76.59900	11/25/2021	13:38:34	D	9.20
322	SHEOPUR	SHEOPUR	AQUA	25.48200	76.63800	11/25/2021	13:38:34	D	6.60
323	SHEOPUR	SHEOPUR	AQUA	25.58000	76.68500	11/25/2021	13:38:34	D	13.70
324	SHEOPUR	SHEOPUR	AQUA	25.61300	76.59100	11/25/2021	13:38:34	D	5.10
325	SHEOPUR	SHEOPUR	AQUA	25.61500	76.60100	11/25/2021	13:38:34	D	5.10
326	SHEOPUR	SHEOPUR	AQUA	25.80300	76.62600	11/25/2021	13:38:34	D	6.00
327	SHEOPUR	SHEOPUR	AQUA	25.80400	76.63500	11/25/2021	13:38:34	D	17.20

328	SHIVPURI	NARWAR	S-NPP	25.59310	78.26210	11/25/2021	13:55:20	D	6.00
329	SHIVPURI	NARWAR	S-NPP	25.59380	78.25910	11/25/2021	13:55:20	D	6.90
330	SHIVPURI	NARWAR	S-NPP	25.63160	78.25480	11/25/2021	13:55:20	D	6.30
331	SHIVPURI	NARWAR	S-NPP	25.63840	78.13200	11/25/2021	13:55:20	D	4.30
332	SHIVPURI	NARWAR	S-NPP	25.64580	78.25320	11/25/2021	13:55:20	D	8.60
333	SHIVPURI	NARWAR	S-NPP	25.68510	78.10230	11/25/2021	13:55:20	D	7.50
334	SHIVPURI	NARWAR	S-NPP	25.73400	77.97670	11/25/2021	13:55:20	D	4.40
335	SHIVPURI	NARWAR	AQUA	25.59200	78.25600	11/25/2021	13:38:34	D	8.60
336	SHIVPURI	NARWAR	AQUA	25.59300	78.26600	11/25/2021	13:38:34	D	6.60
337	SHIVPURI	NARWAR	AQUA	25.63800	78.25200	11/25/2021	13:38:34	D	7.80
338	SHIVPURI	NARWAR	AQUA	25.70700	78.09100	11/25/2021	13:38:34	D	5.90
339	SIDHI	SIHAWAL	S-NPP	24.58560	82.20330	11/25/2021	01:05:02	N	0.40
340	VIDESHA	BASODA	AQUA	23.87700	78.03000	11/25/2021	13:38:34	D	11.10
341	VIDESHA	NATERAN	S-NPP	23.90650	77.73490	11/25/2021	13:55:20	D	5.20
342	VIDESHA	NATERAN	S-NPP	23.91510	77.69010	11/25/2021	13:55:20	D	3.10
343	VIDESHA	NATERAN	AQUA	23.91200	77.69000	11/25/2021	13:38:34	D	8.70



**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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