



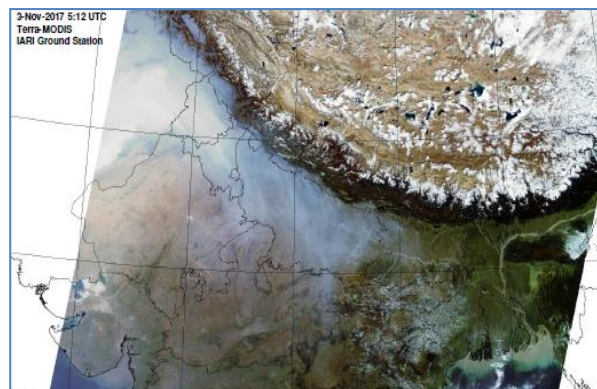
**Bulletin  
No. 70**

**Events Date:  
23-Nov-2021**

**Issued on:  
23-Nov-2021**



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



**Prepared by:**

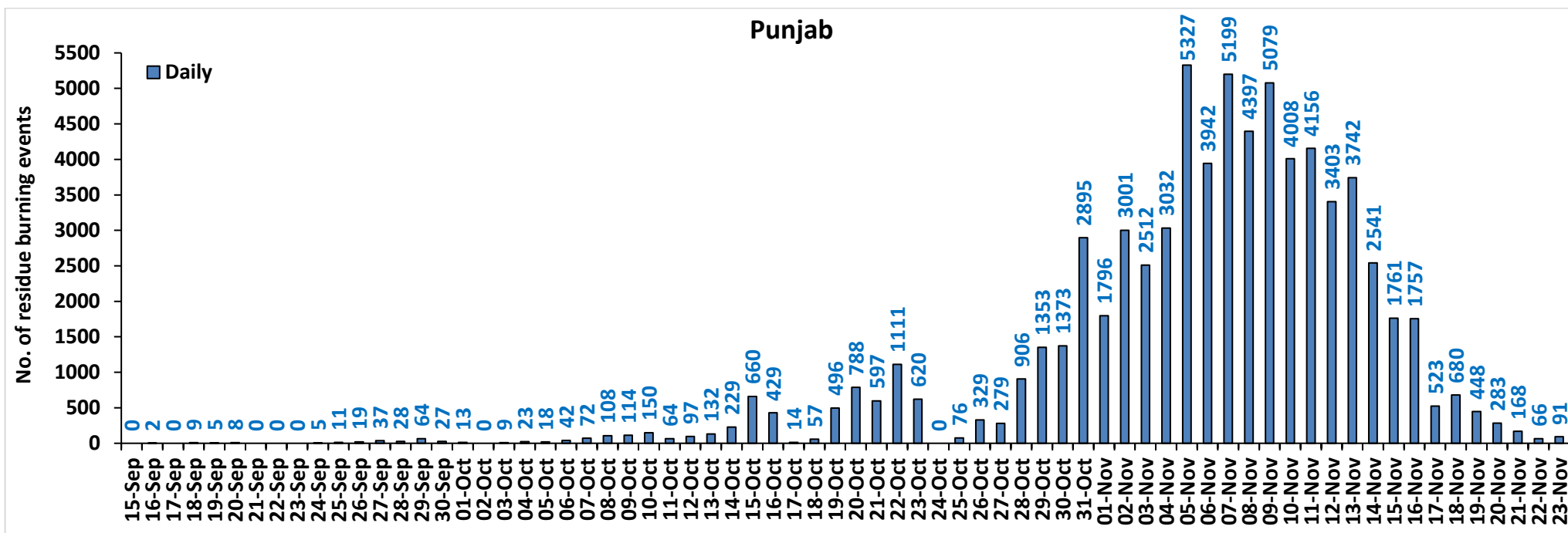
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,  
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

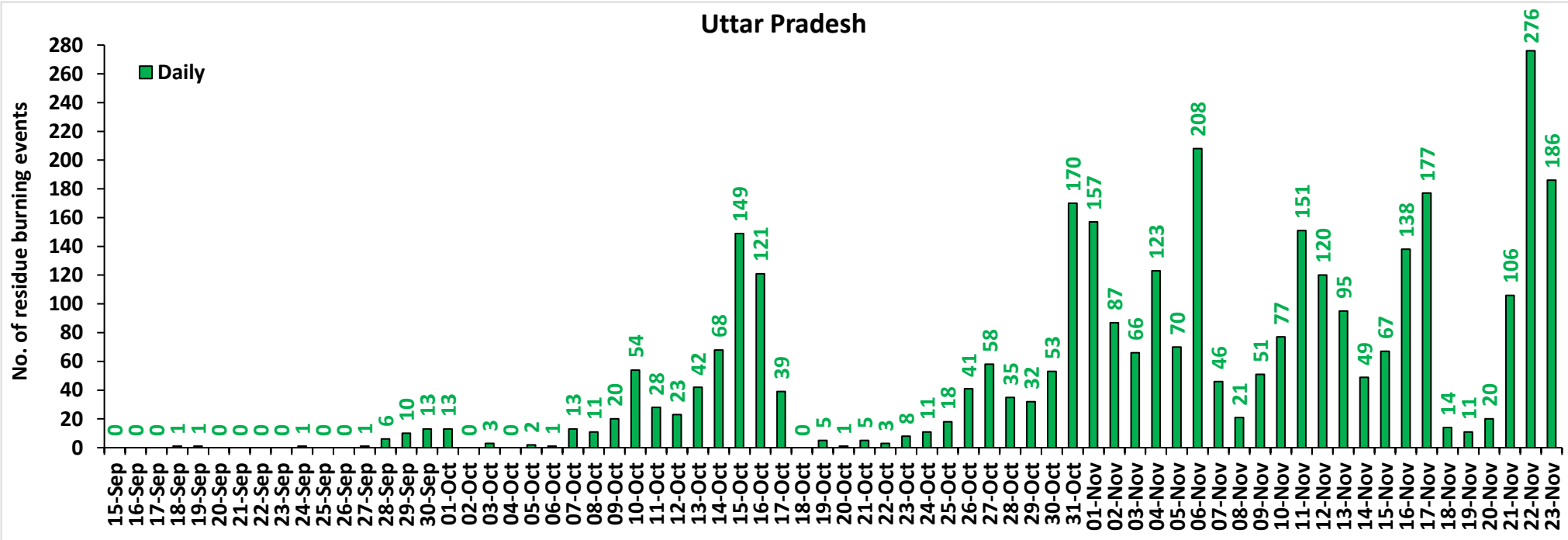
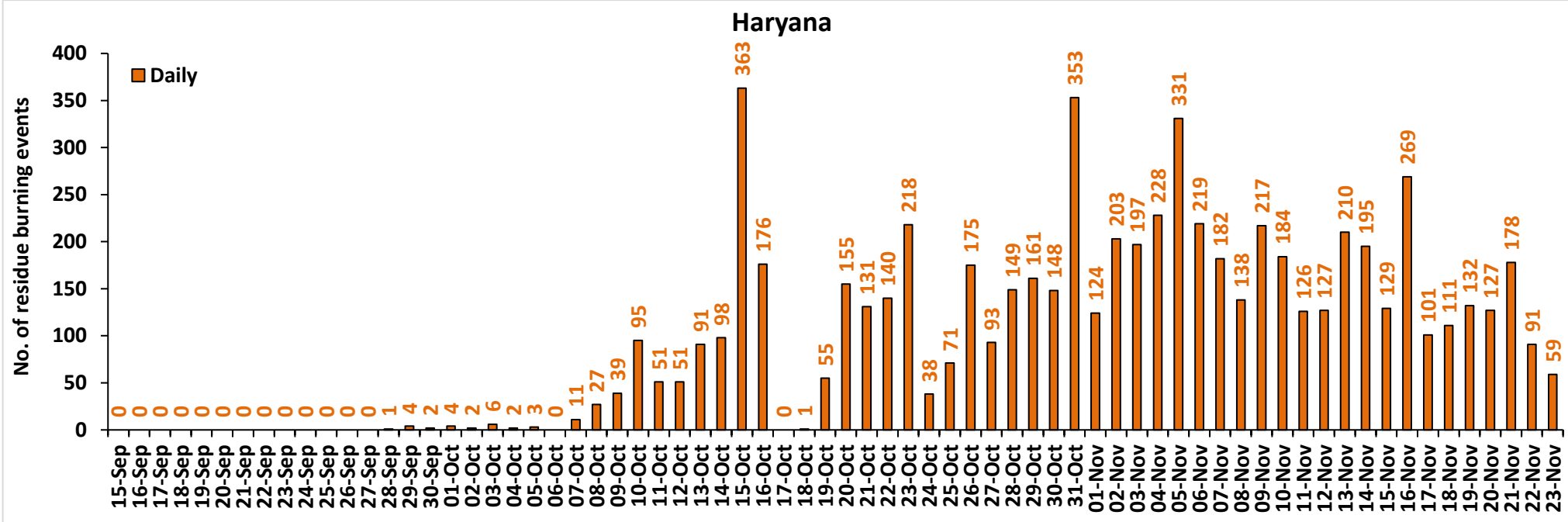
**<http://creams.iari.res.in>**

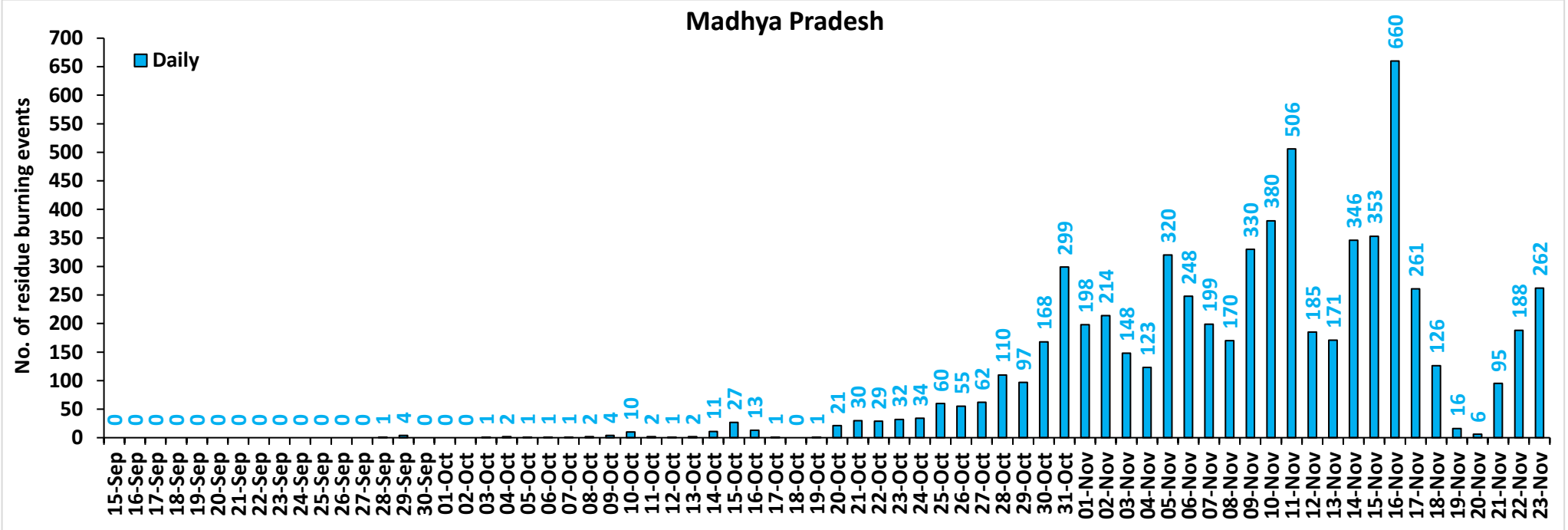
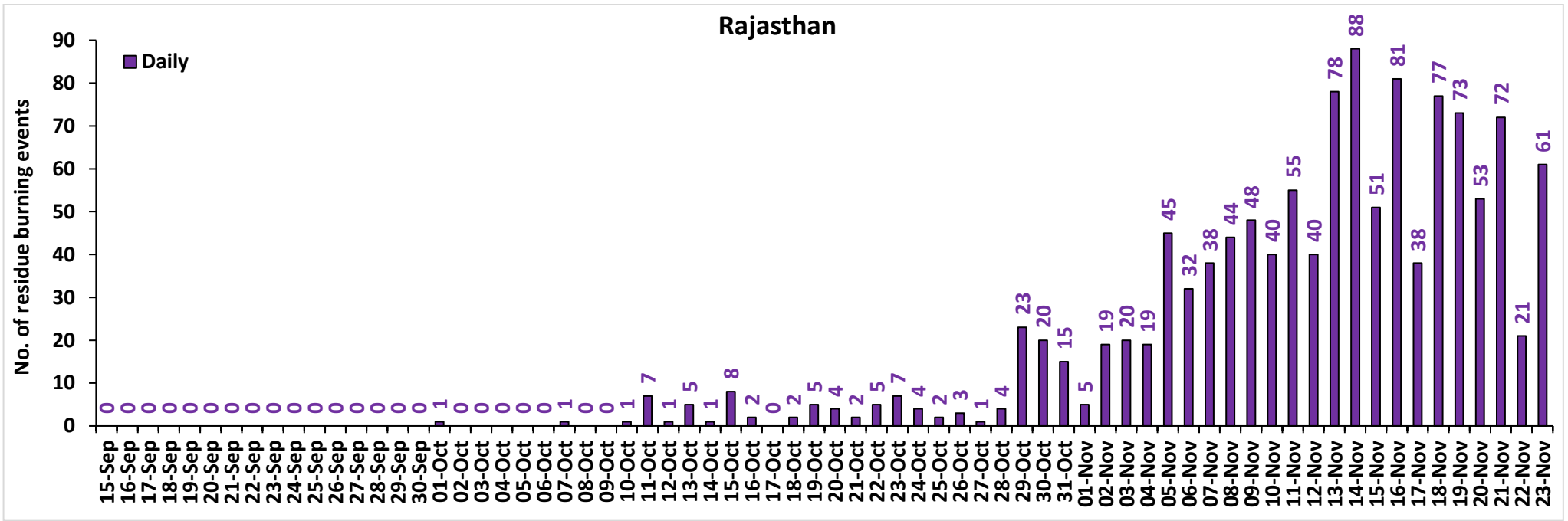
## Highlights for 22-November-2021

- 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 **659** residue burning events in the six study States on 23-Nov-2021.
- The state wise events detected on 23-Nov-21 were **91** in Punjab, **59** in Haryana, **186** in UP, **0** in Delhi, **61** in Raj and **262** in MP.
- The number of events has increased from **642** on 22-Nov-2021 to **659** on 23-Nov-2021 in the six study states.
- Total **89162** burning events were detected in the six states between 15-Sept-2021 and 23-Nov-2021, which are distributed as **71181**, **6792**, **3376**, **4**, **1222** and **6587** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Overall, the total burning events recorded in the six states are **15.5%** less than in 2020 till date. Punjab recorded **13.9%** reduction, Haryana recorded **69.1%** increase, UP recorded **6.9%** reduction, Delhi recorded **55.6%** reduction, Rajasthan recorded **25.9%** reduction and MP recorded **51.3%** reduction, in the current season than in 2020.

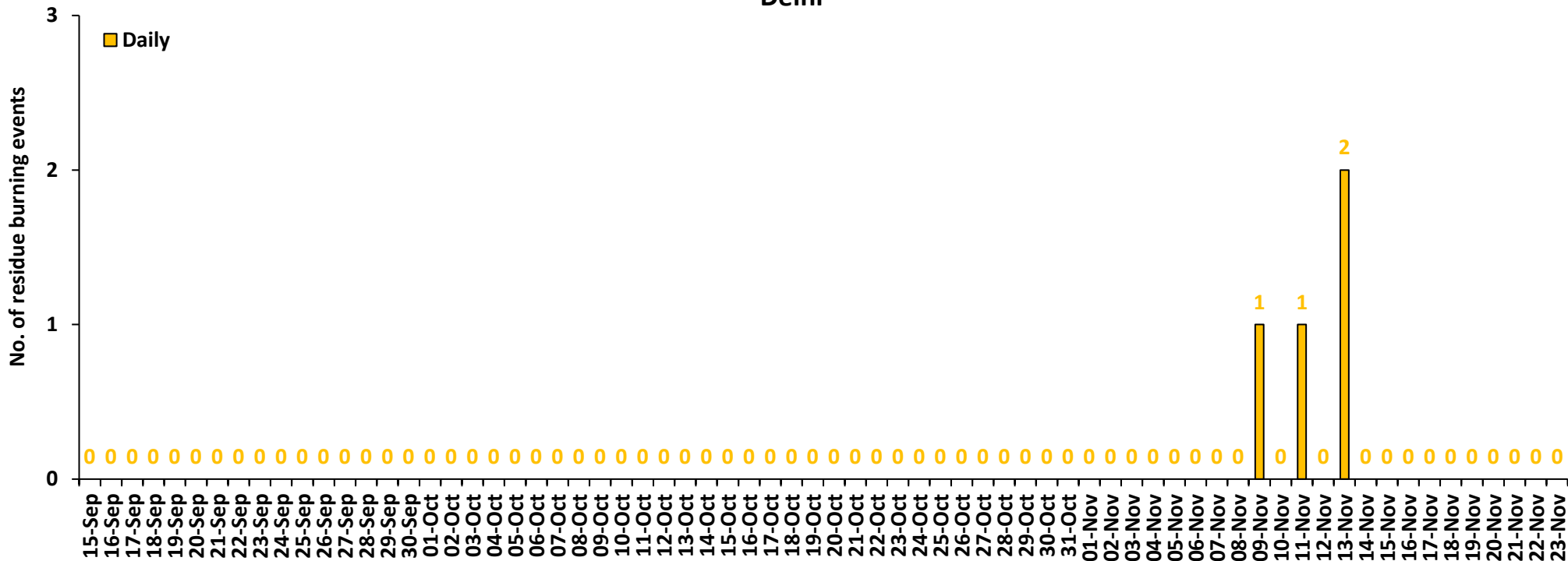
## Temporal distribution of rice residue burning events for the study States in 2021





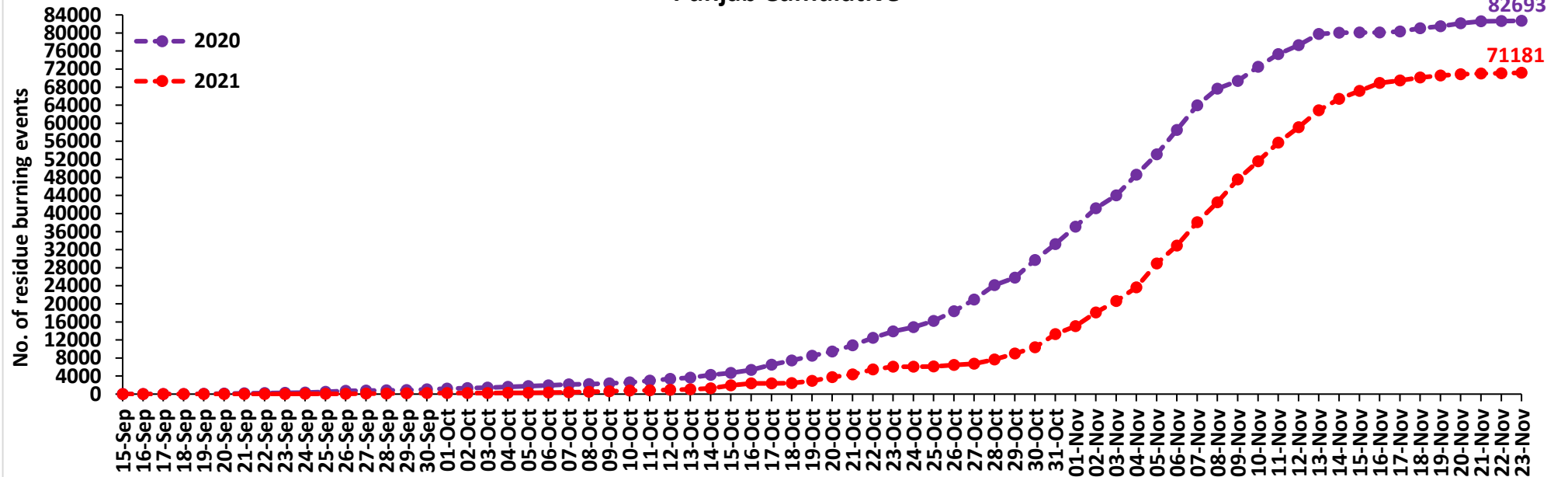


# Delhi

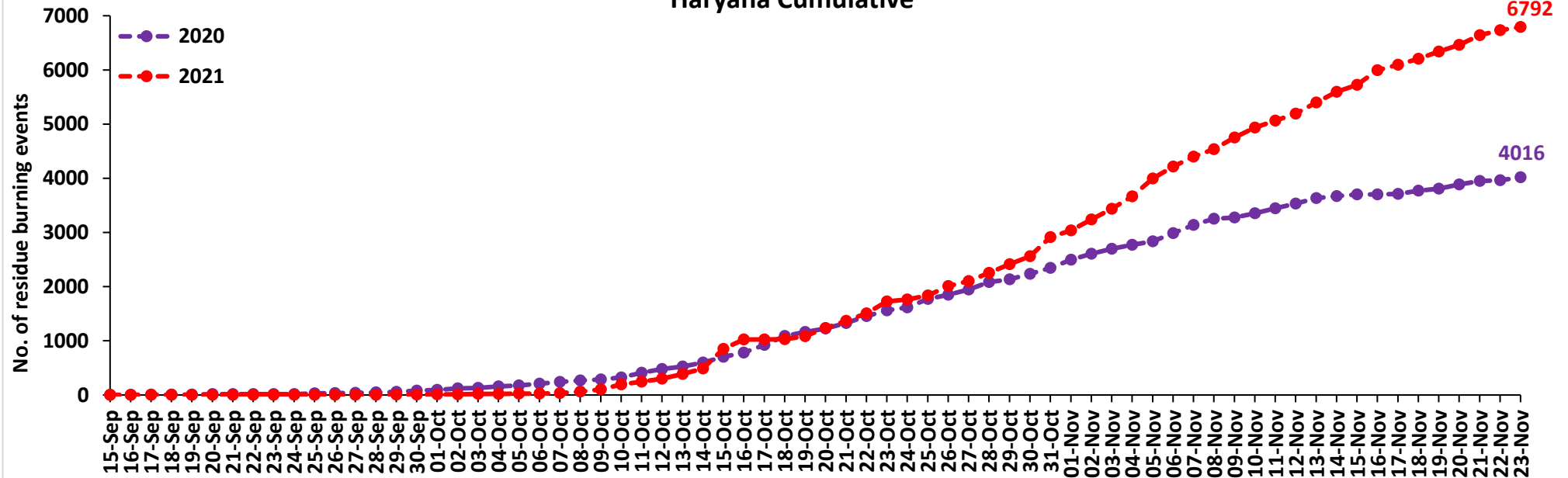


## Comparison of residue burning events in current year (2021) with previous year (2020) for the study States

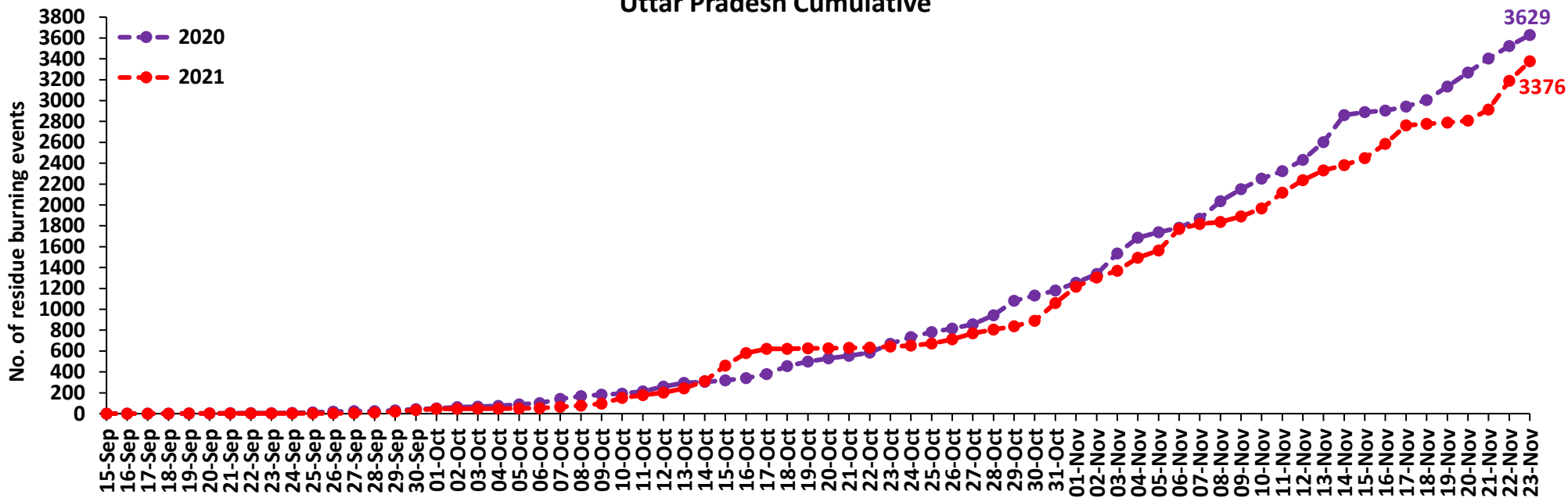
### Punjab Cumulative



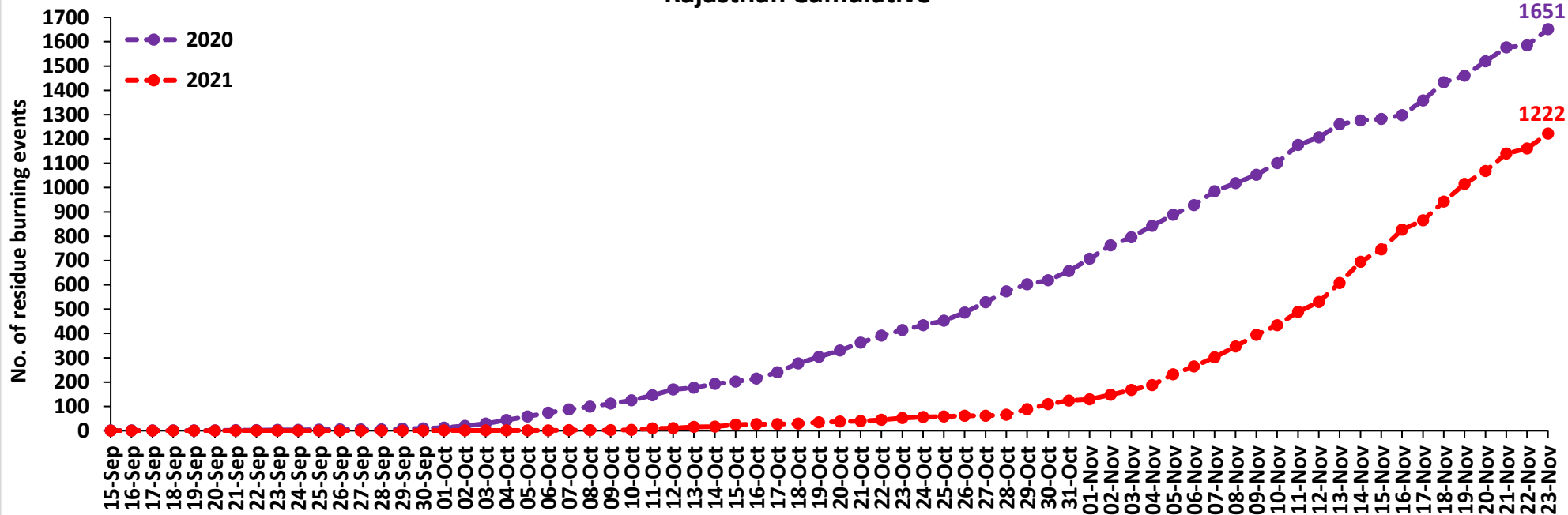
### Haryana Cumulative



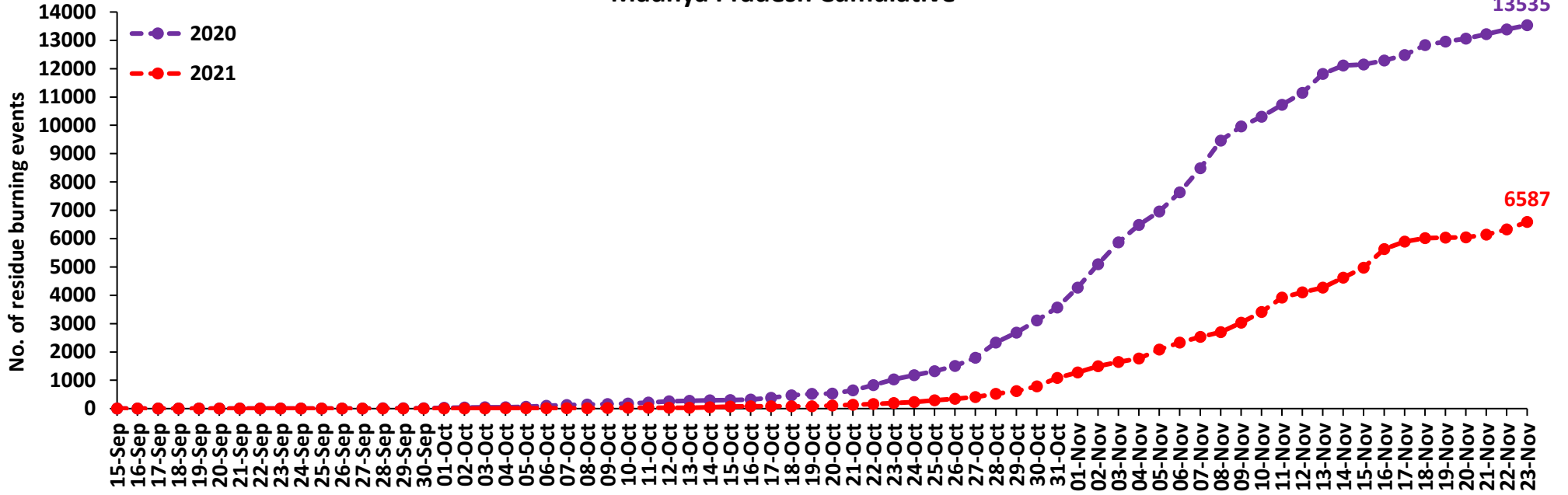
### Uttar Pradesh Cumulative



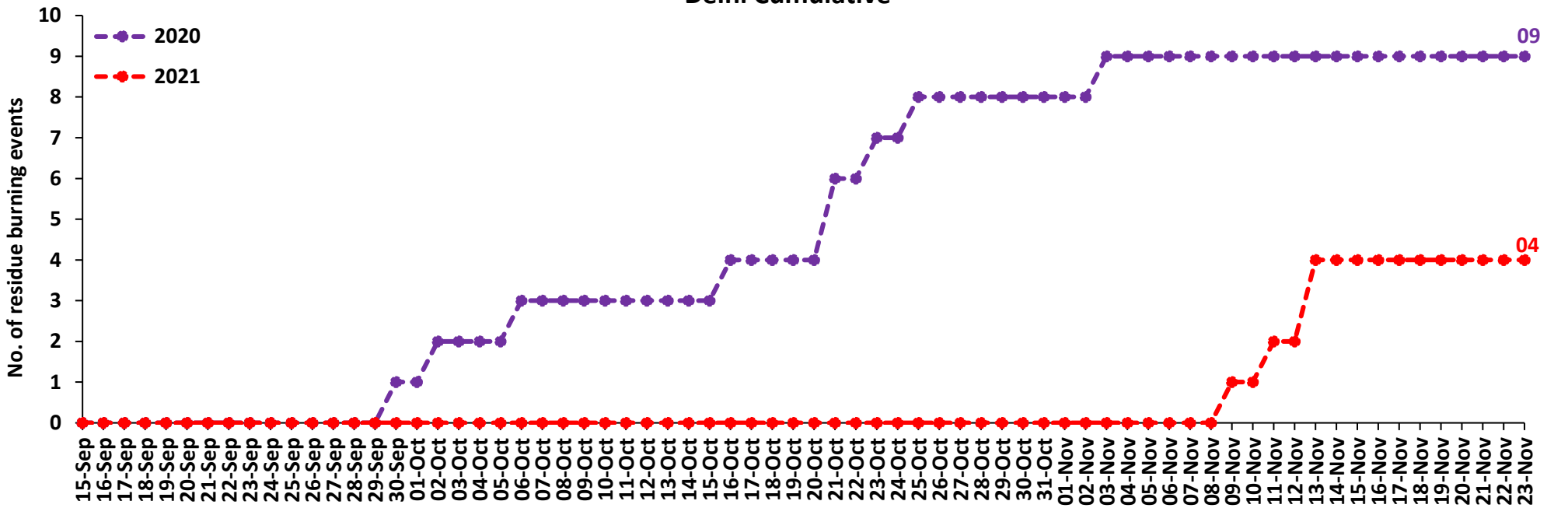
### Rajasthan Cumulative



### Madhya Pradesh Cumulative



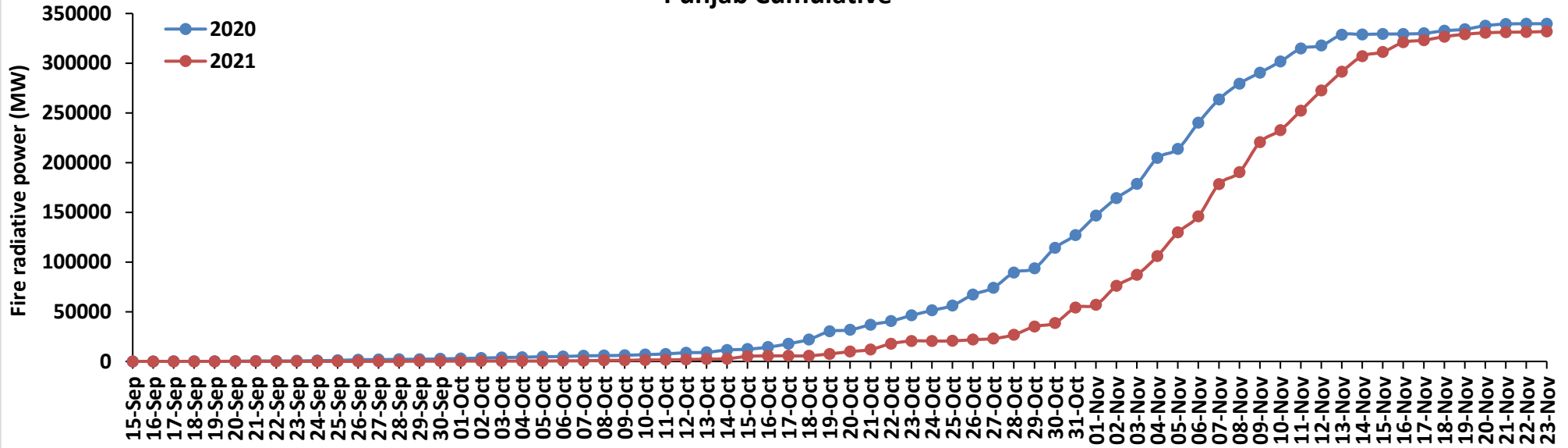
### Delhi Cumulative



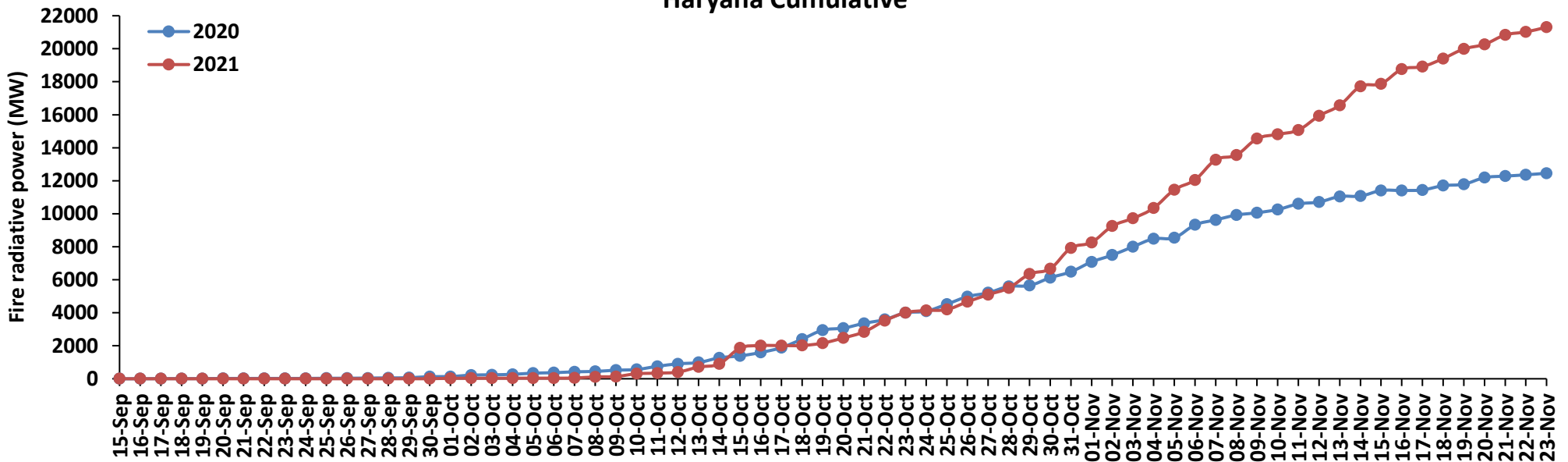


# Comparison of residue burning fire power in current year (2021) with previous year (2020) for the study States

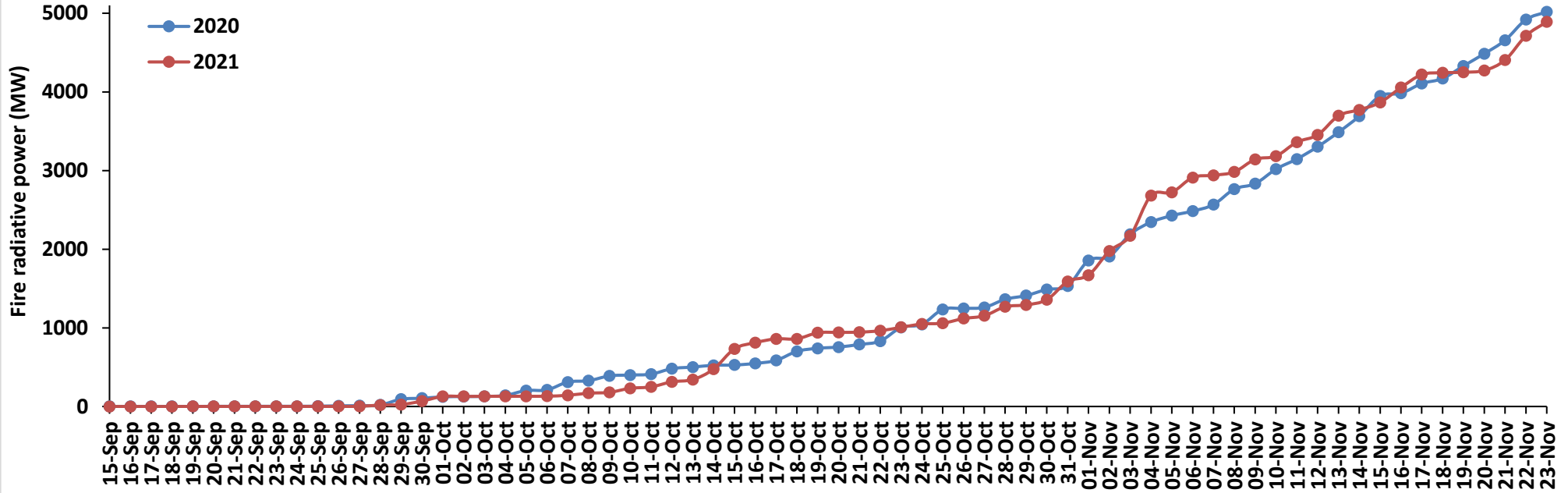
## Punjab Cumulative



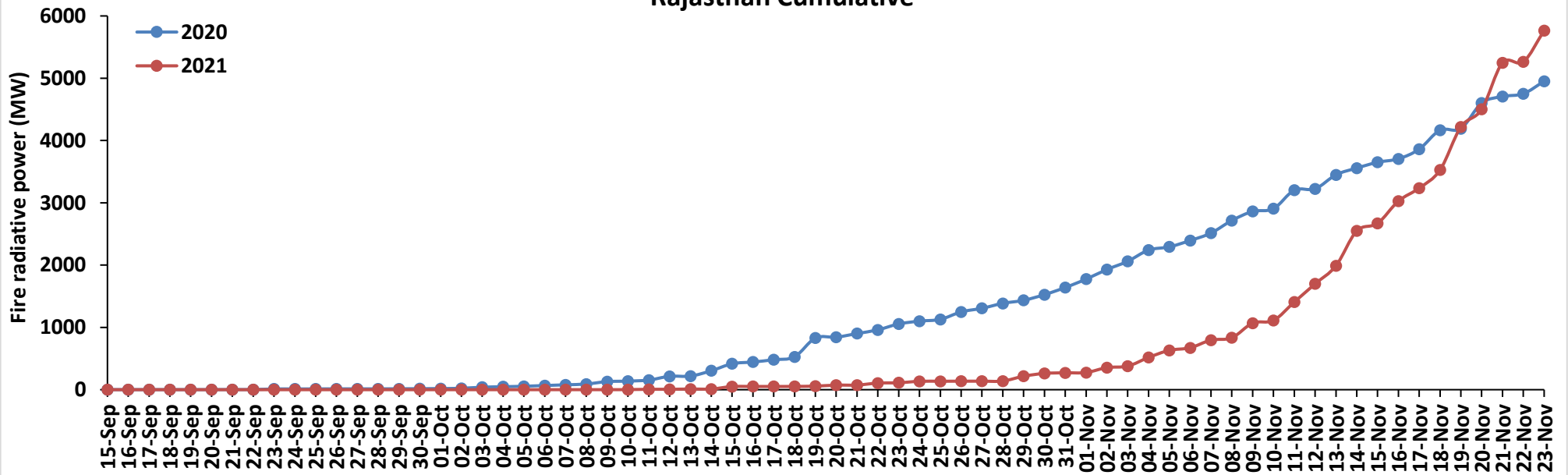
## Haryana Cumulative



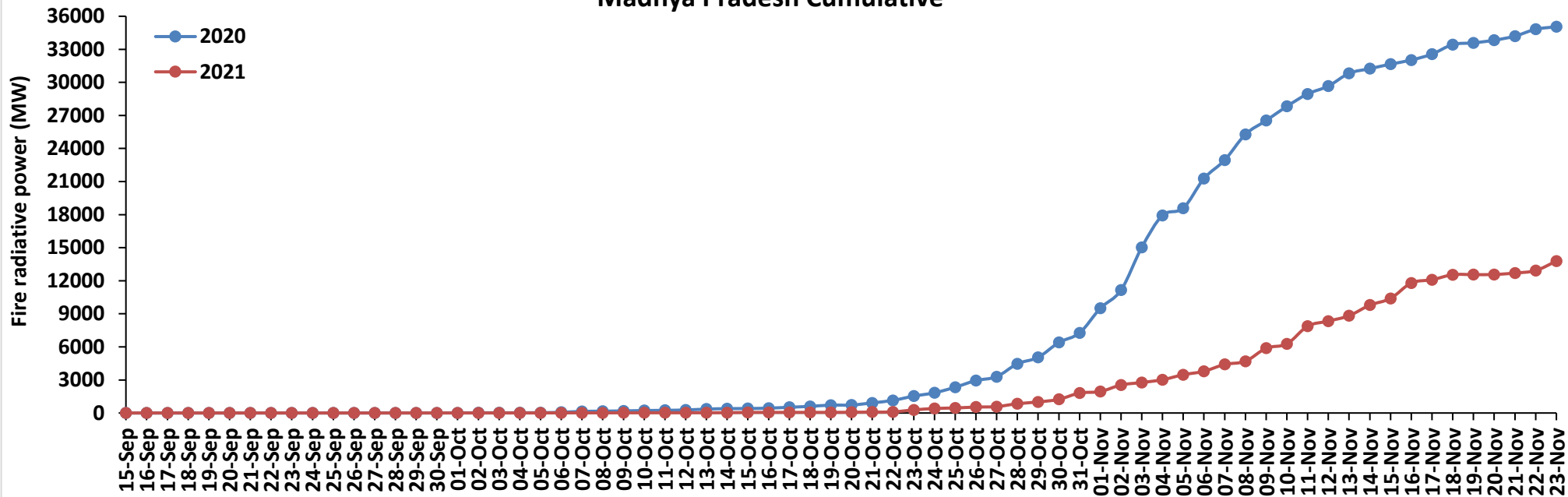
### Uttar Pradesh Cumulative



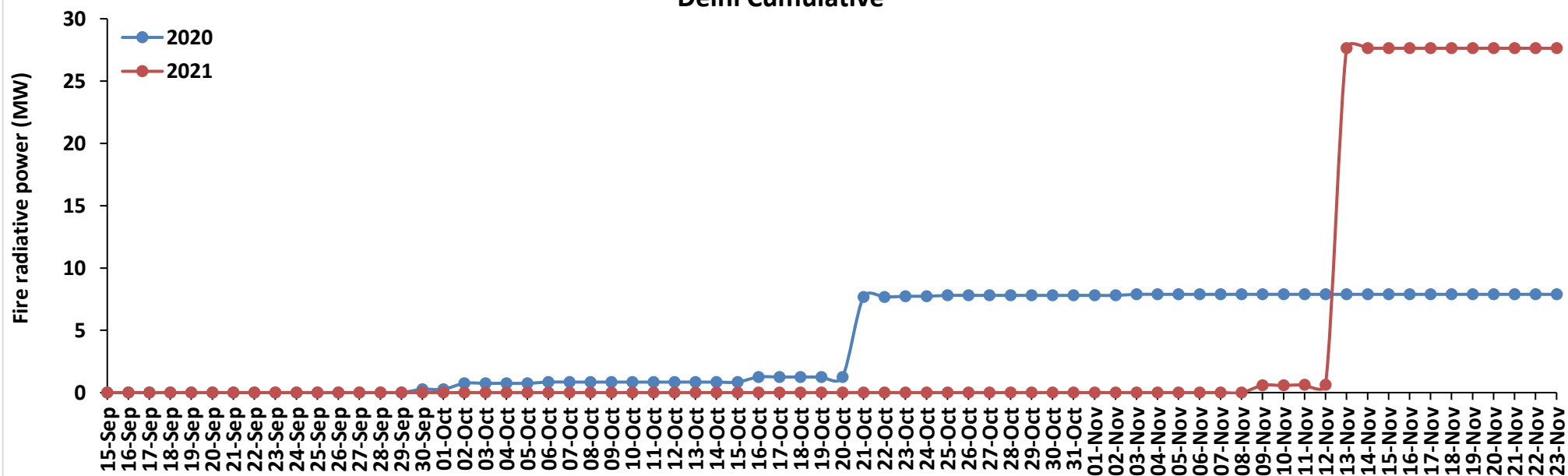
### Rajasthan Cumulative



### Madhya Pradesh Cumulative

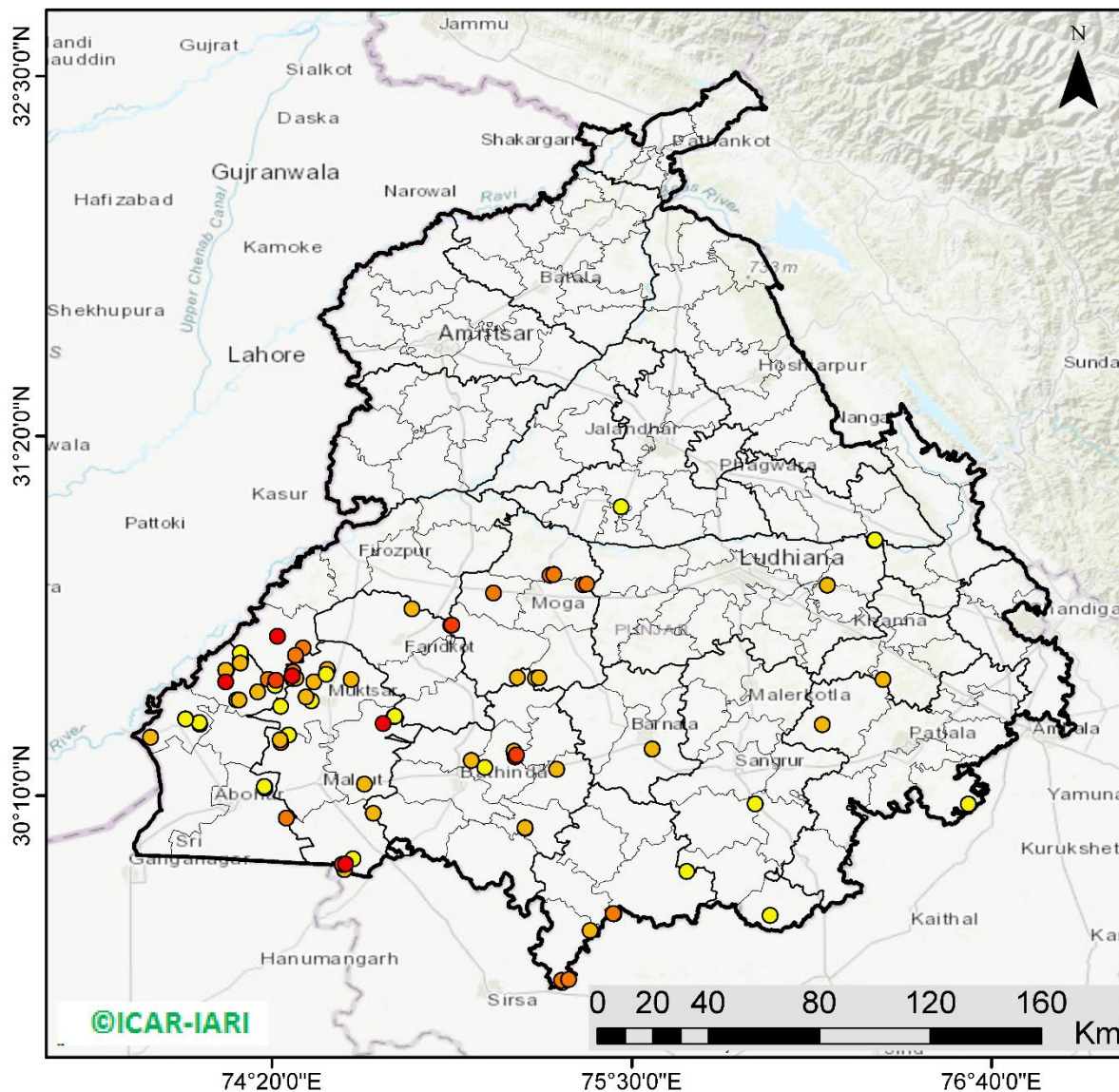


### Delhi Cumulative



# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**91** burning events detected in Punjab on 23rd November 2021

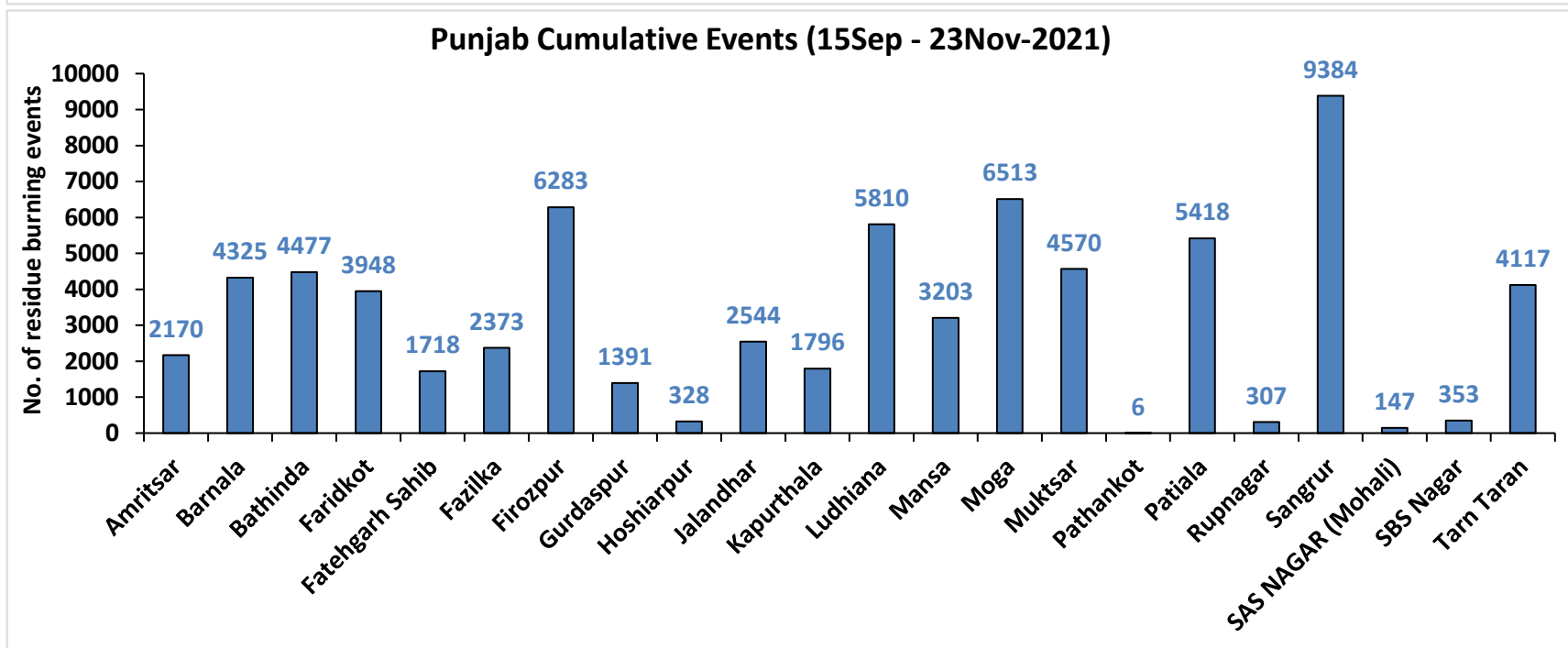
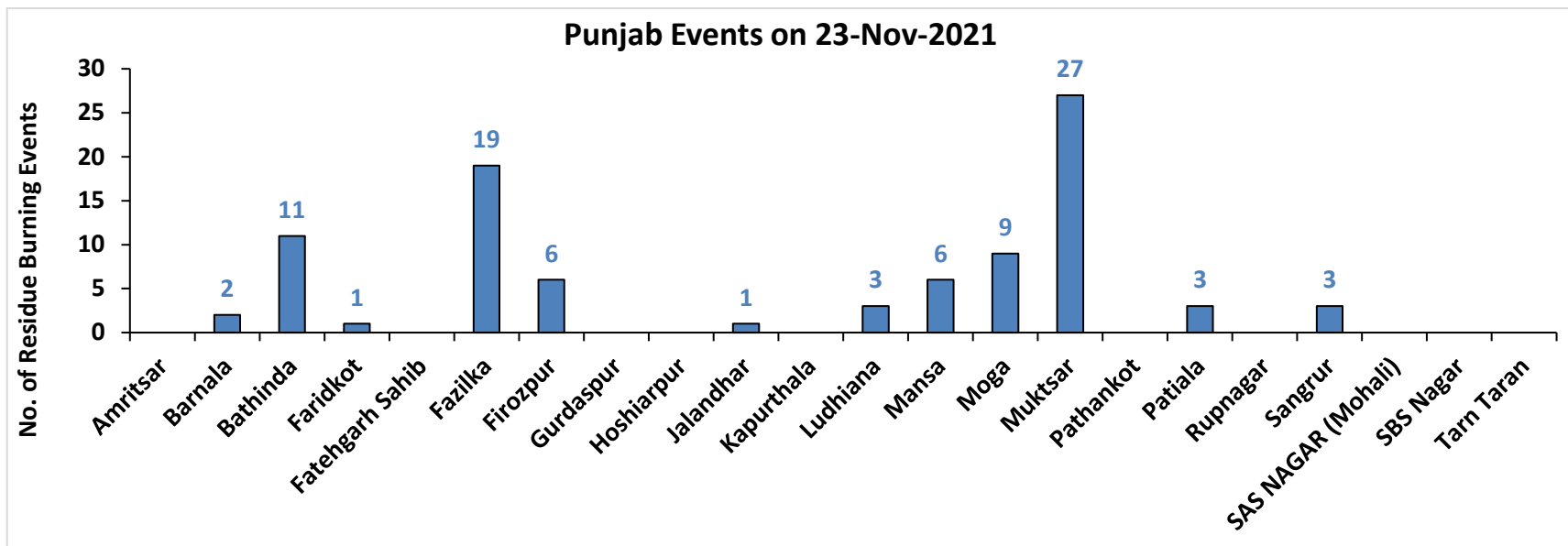
### Fire Intensity (W/m<sup>2</sup>)

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



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

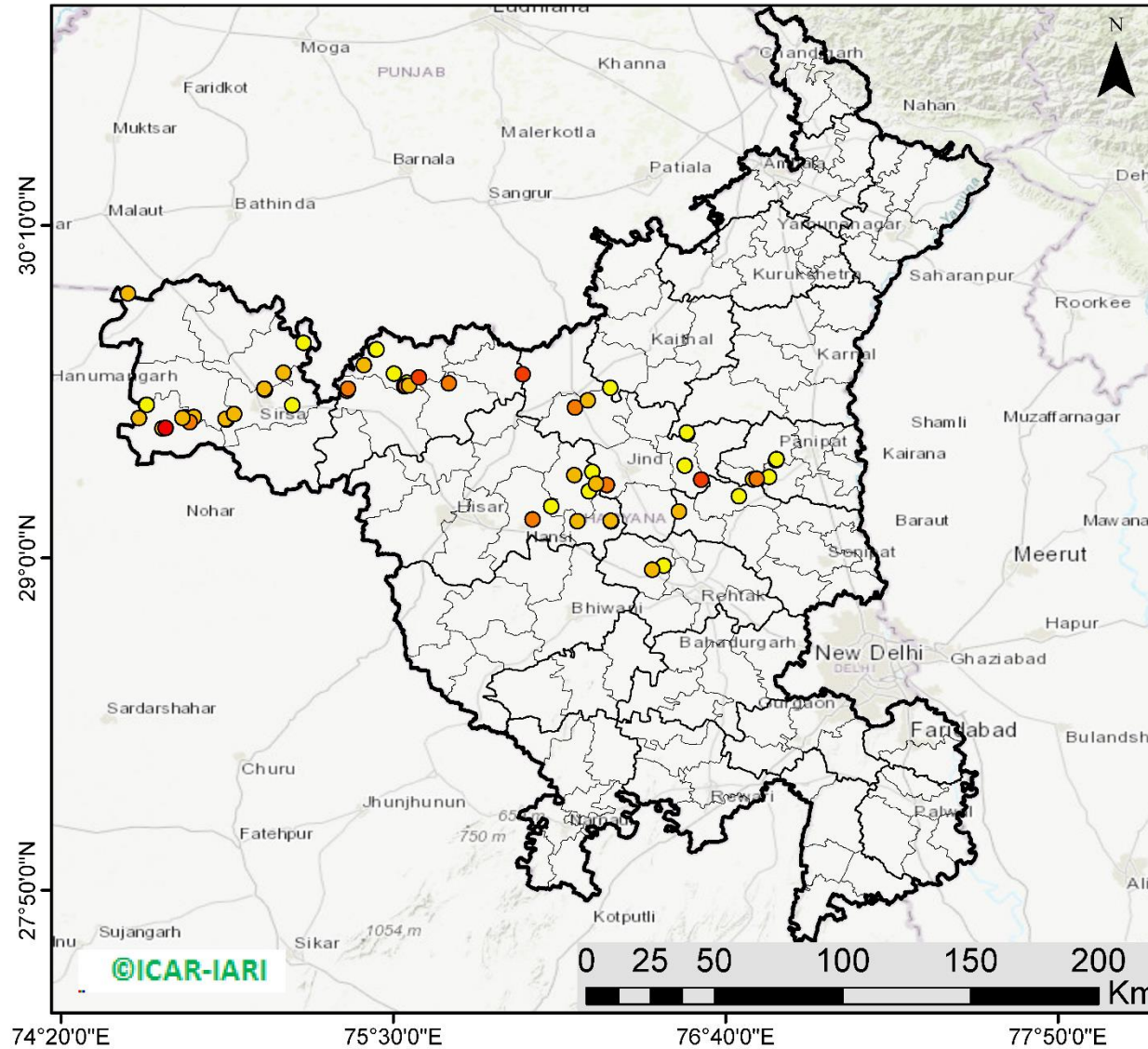
## District-wise cumulative number of residues burning events in Punjab (15 Sep - 23 Nov-2021)





# Haryana

## RICE RESIDUE BURNING IN HARYANA



**59** burning events detected in Haryana on 23rd November 2021

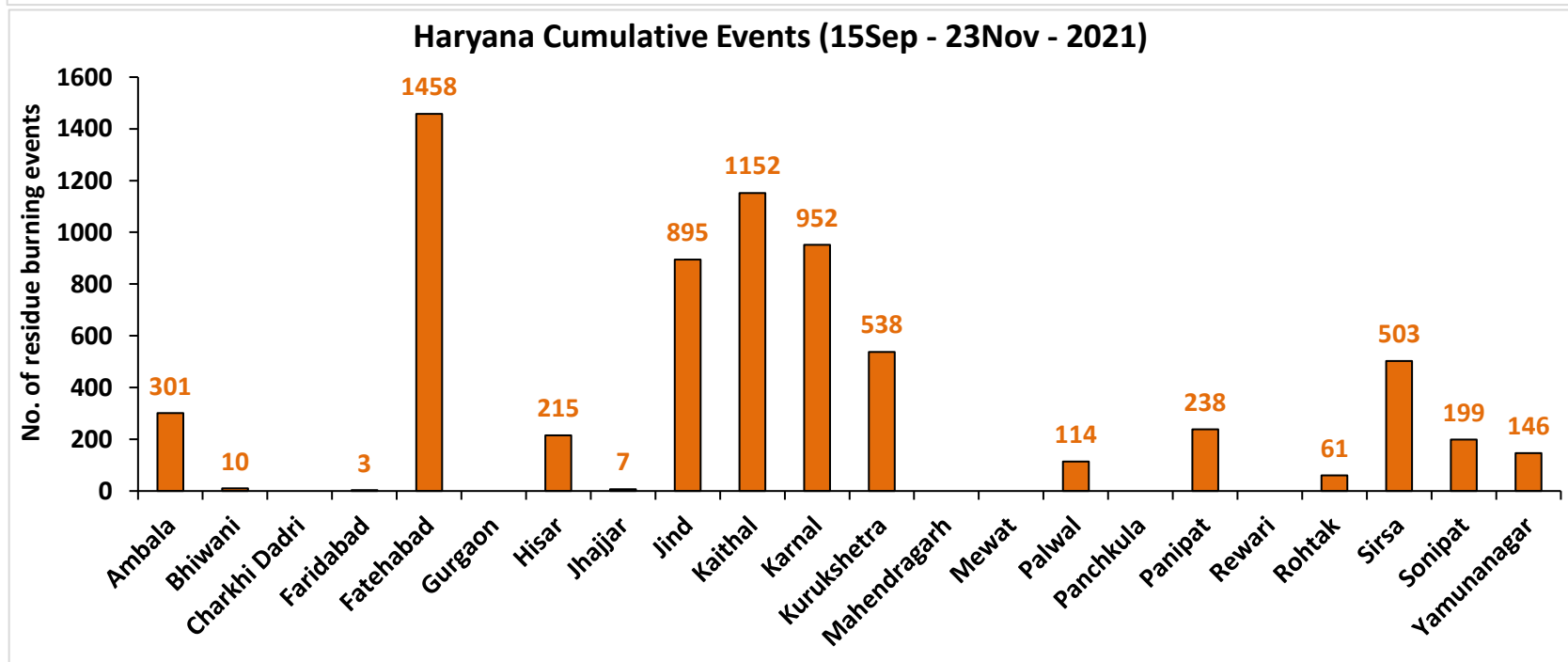
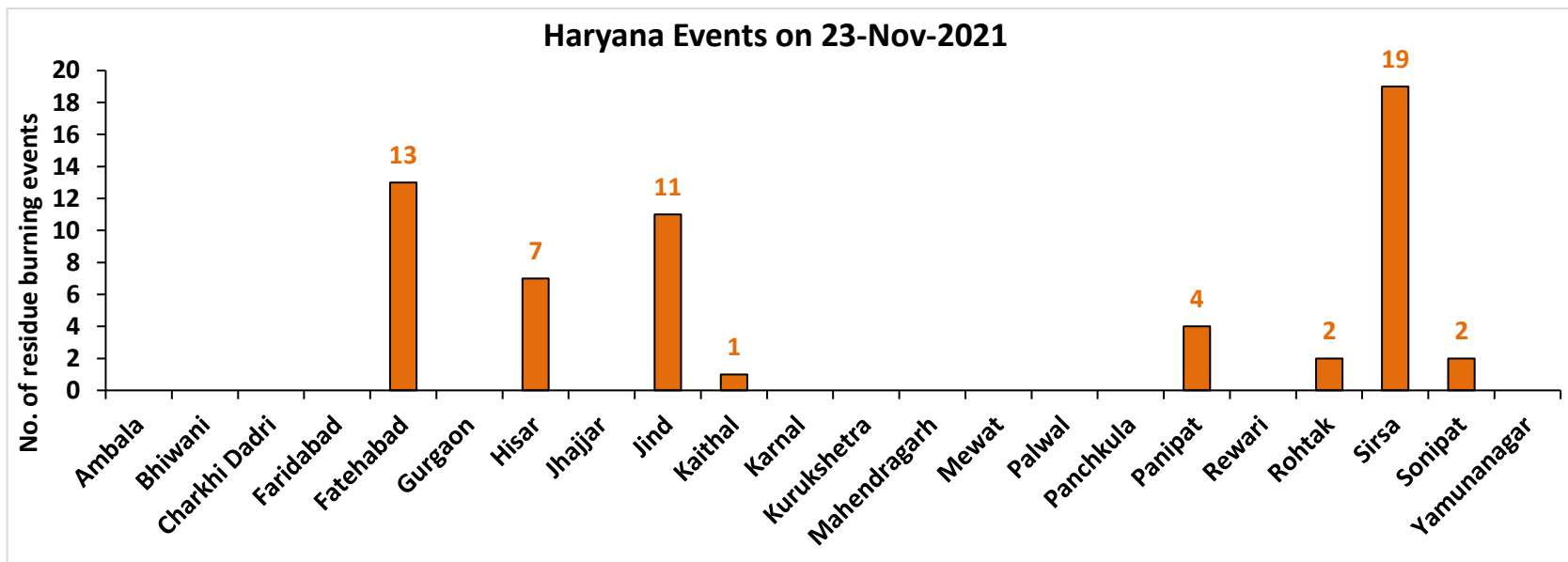
### Fire Intensity (W/m<sup>2</sup>)

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



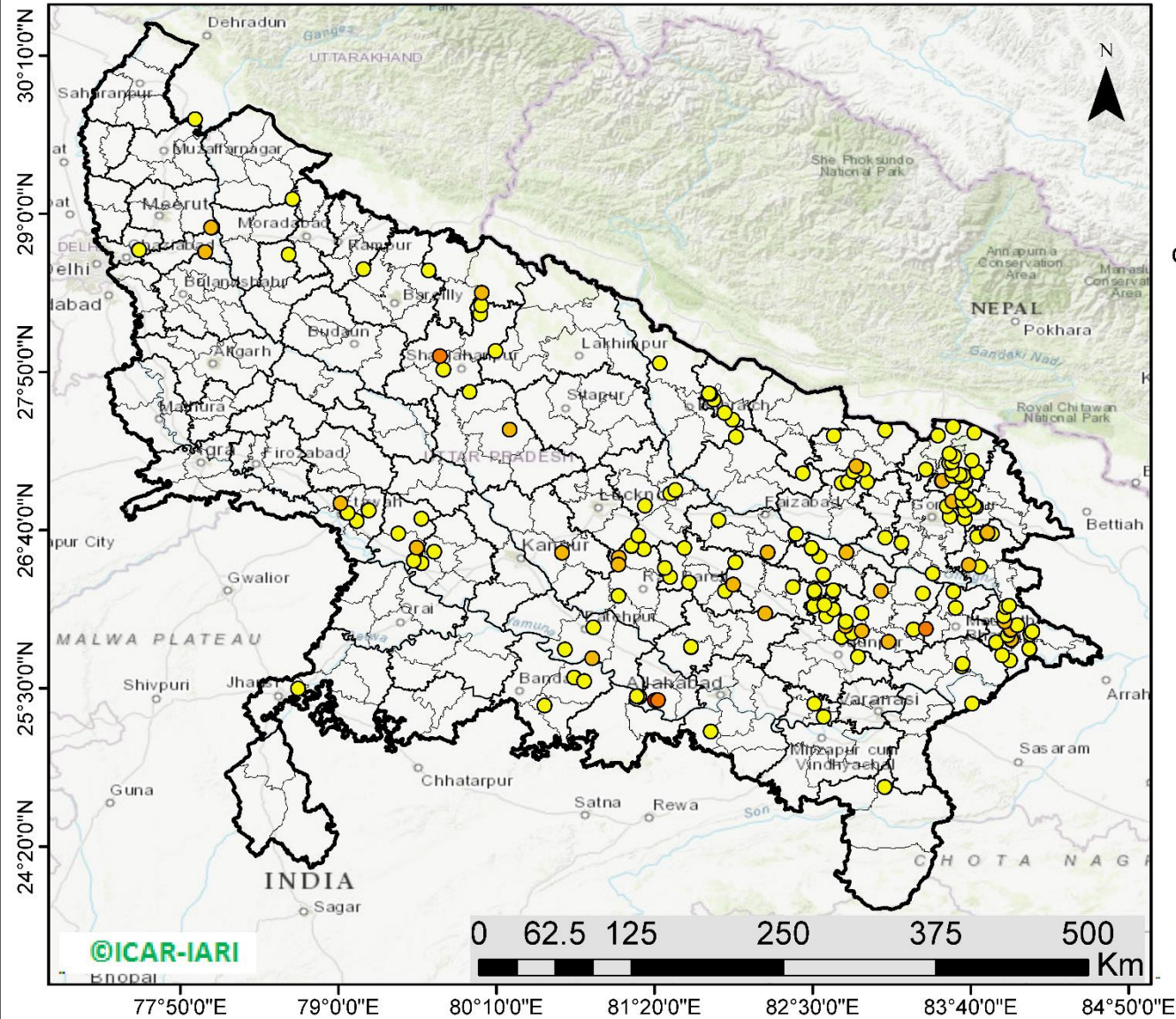
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Haryana (15 Sep - 23 Nov-2021)



# Uttar Pradesh

## RICE RESIDUE BURNING IN UTTAR PRADESH



**186** burning events detected in Uttar Pradesh on 23rd November 2021

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

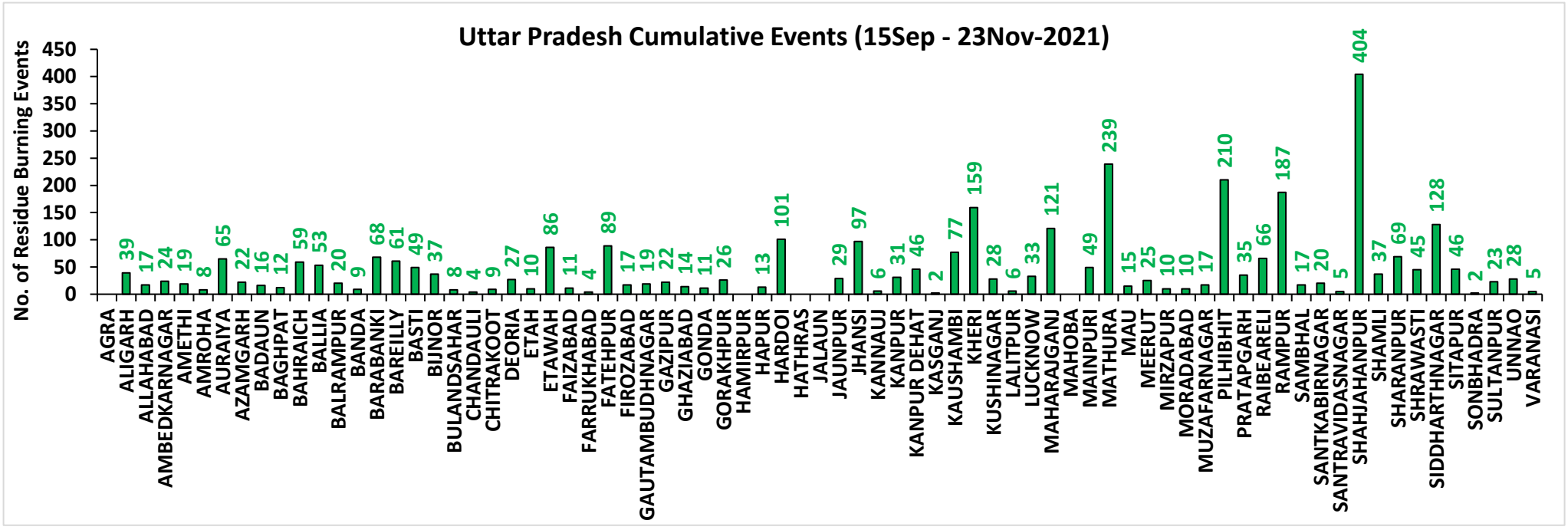
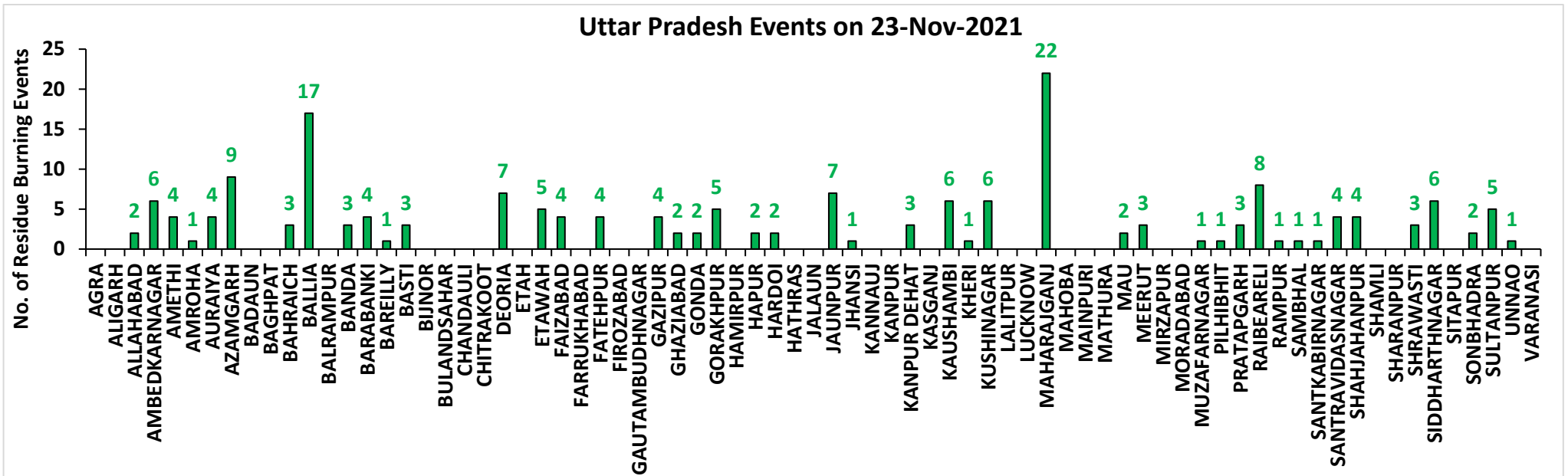
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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

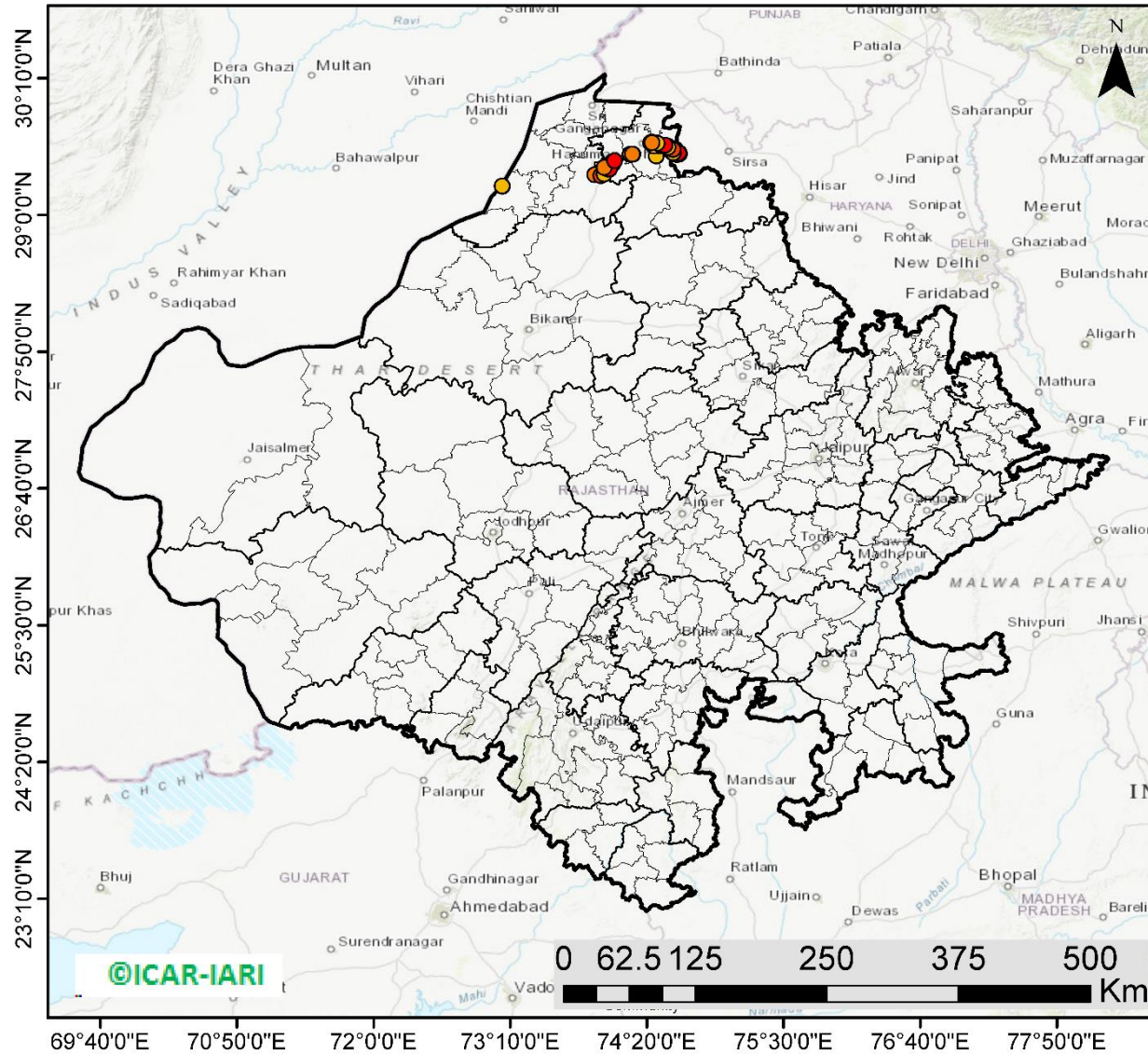


## District-wise cumulative number of residue burning events in Uttar Pradesh (15 Sep - 23 Nov-2021)



# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**61** burning events detected in Rajasthan on **23rd November 2021**

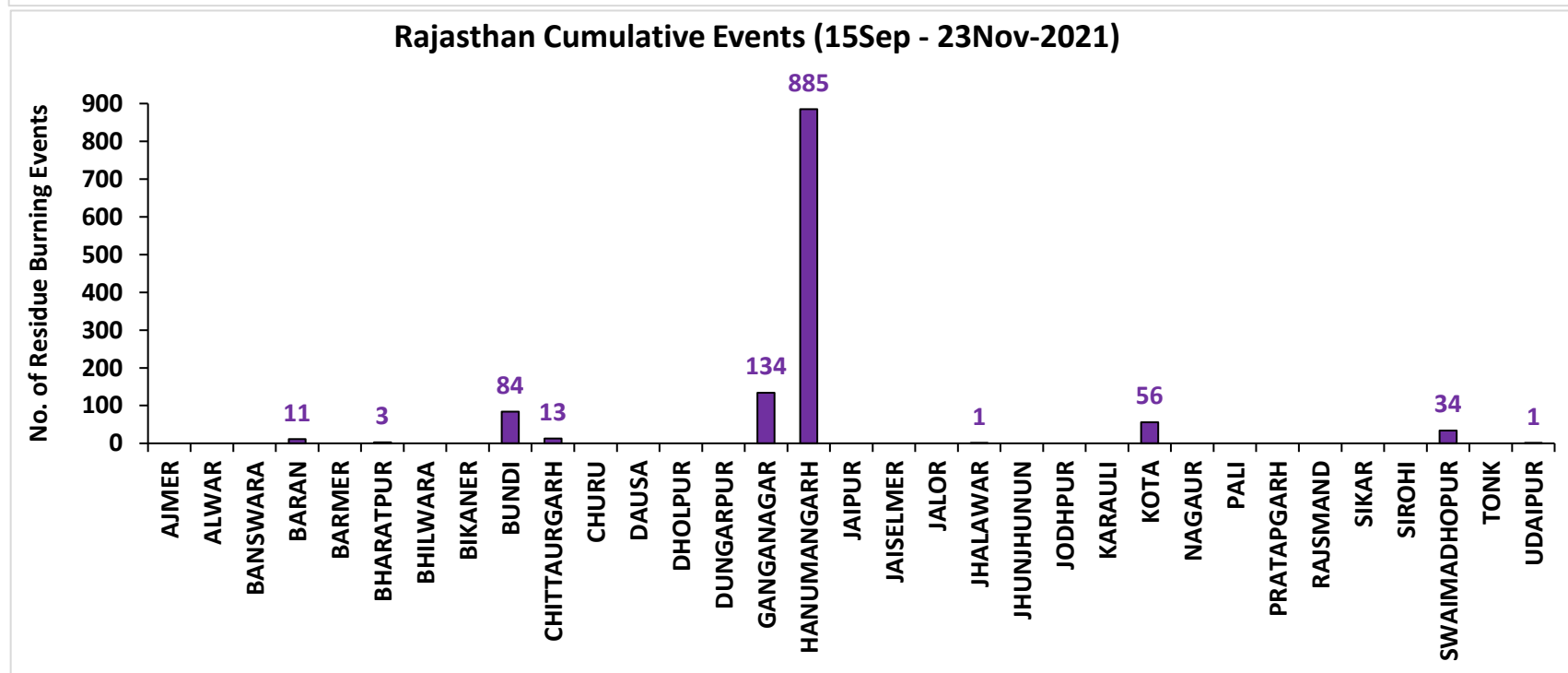
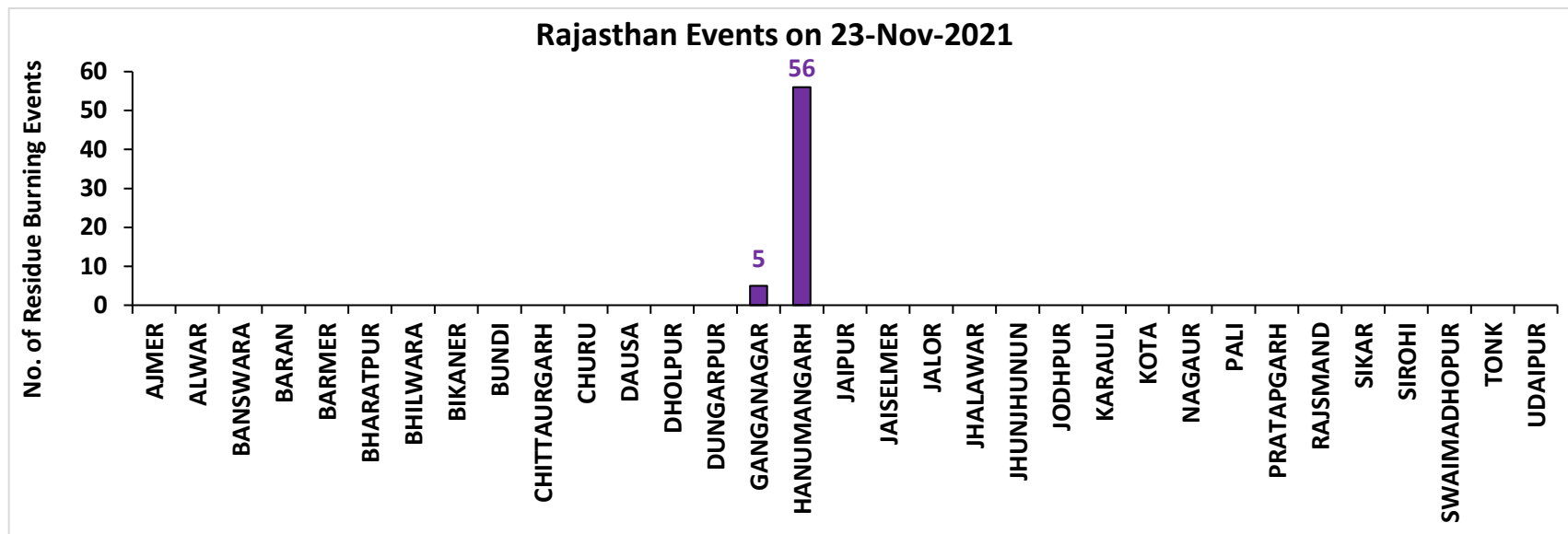
### Fire Intensity (W/m<sup>2</sup>)

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



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

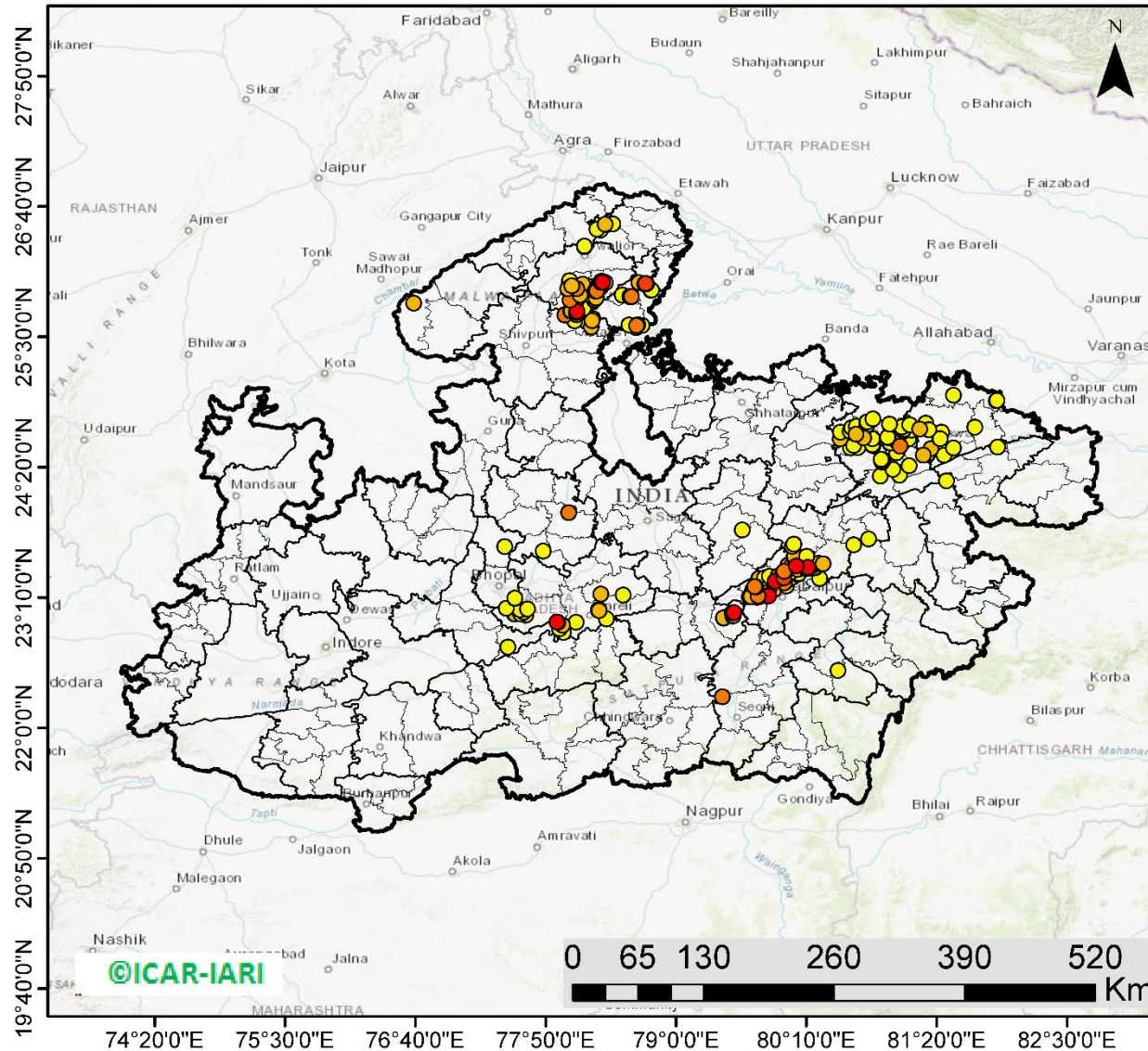
## District-wise cumulative number of residues burning events in Rajasthan (15 Sep - 23 Nov-2021)





# Madhya Pradesh

## RICE RESIDUE BURNING IN MADHYA PRADESH



**262** burning events detected in MP on 23rd November 2021

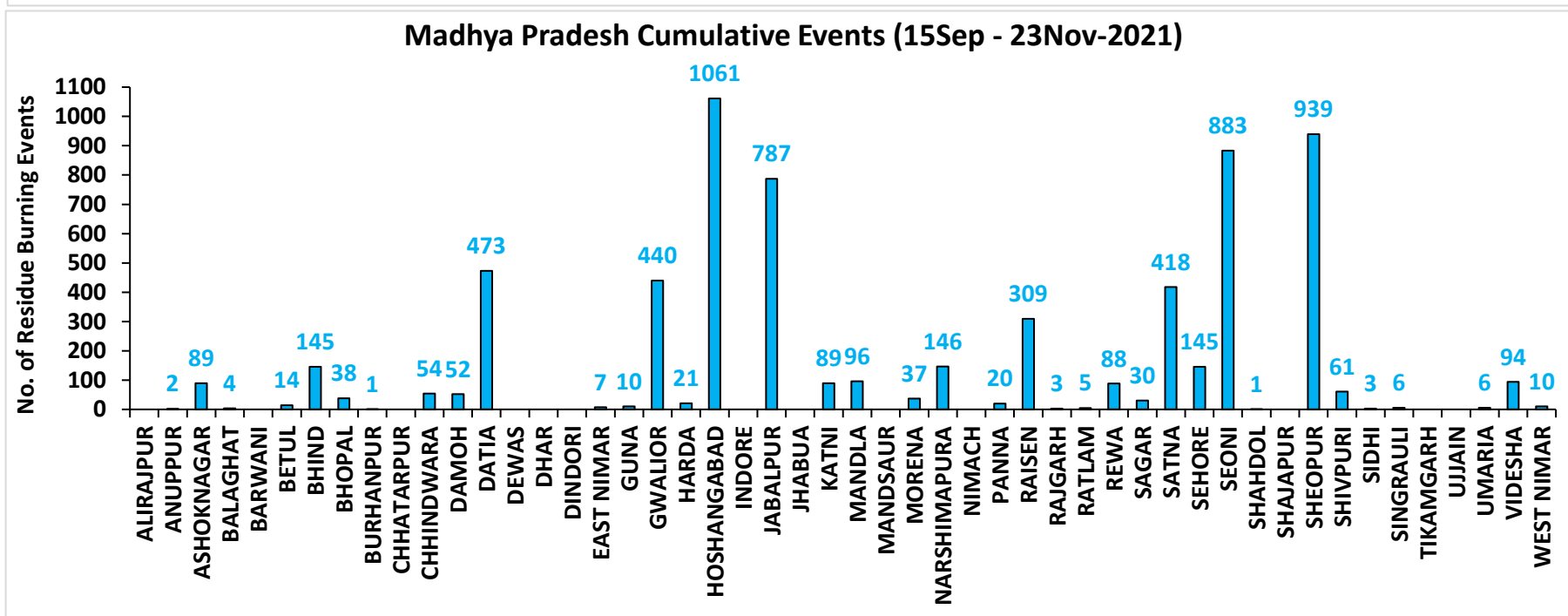
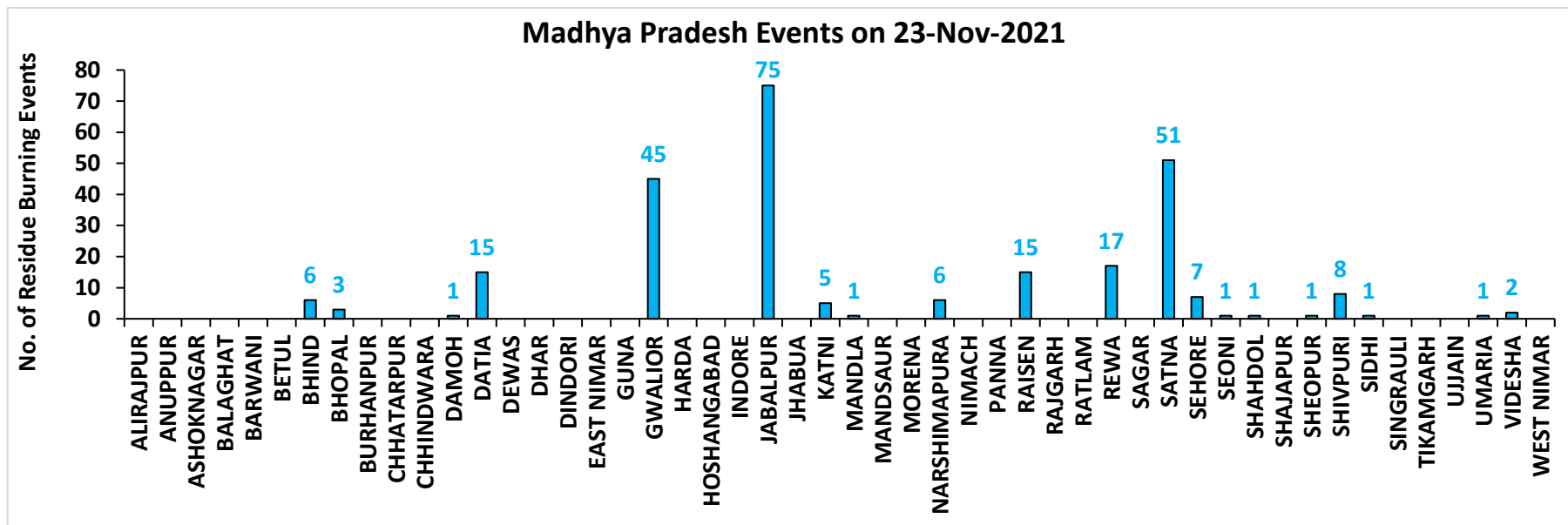
### Fire Intensity (W/m<sup>2</sup>)

- 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 - 23 Nov-2021)



**District-wise cumulative number of residues burning events detected in 2020 and 2021**

**(Period: 15 September - 23 November)**

**(a) Punjab**

District	15 Sep – 23 Nov	
	2020	2021
AMRITSAR	3059	2170
BARNALA	5336	4325
BATHINDA	5226	4477
FARIDKOT	4727	3948
FATEHGARH SAHIB	1536	1718
FAZILKA	2523	2373
FIROZPUR	8508	6283
GURDASPUR	2124	1391
HOSHIARPUR	386	328
JALANDHAR	1939	2544
KAPURTHALA	1883	1796
LUDHIANA	5054	5810
MANSA	3778	3203
MOGA	7391	6513
MUKTSAR	4988	4570
PATHANKOT	13	6
PATIALA	6431	5418
RUPNAGAR	205	307
SANGRUR	11724	9384
SAS NAGAR (MOHALI)	127	147
SBS NAGAR	131	353
TARN TARAN	5604	4117
<b>Total</b>	<b>82693</b>	<b>71181</b>

**(b) Haryana**

District	15 Sep – 23 Nov	
	2020	2021
AMBALA	346	301
BHIWANI	4	10
CHARKHI DADRI	0	0
FARIDABAD	1	3
FATEHABAD	837	1458
GURGAON	0	0
HISAR	52	215
JHAJJAR	6	7
JIND	343	895
KAITHAL	838	1152
KARNAL	581	952
KURUKSHETRA	406	538
MAHENDRAGARH	0	0
MEWAT	0	0
PALWAL	46	114
PANCHKULA	0	0
PANIPAT	50	238
REWARI	0	0
ROHTAK	48	61
SIRSA	246	503
SONIPAT	70	199
YAMUNANAGAR	142	146
<b>Total</b>	<b>4016</b>	<b>6792</b>

(c) Uttar Pradesh

District	15 Sep – 23 Nov							
	2020	2021	GAUTAMBUDHNAGAR	14	19	MUZAFARNAGAR	48	17
AGRA	7	0	GAZIPUR	16	22	PILHIBHIT	17	210
ALIGARH	113	39	GHAZIABAD	26	14	PRATAPGARH	38	35
ALLAHABAD	28	17	GONDA	12	11	RAIBEARELI	31	66
AMBEDKARNAGAR	24	24	GORAKHPUR	42	26	RAMPUR	162	187
AMETHI	3	19	HAMIRPUR	6	0	SAMBHAL	19	17
AMROHA	11	8	HAPUR	26	13	SANTKABIRNAGAR	29	20
AURAIYA	78	65	HARDOI	96	101	SANTRAVIDASNAGAR	4	5
AZAMGARH	47	22	HATHRAS	0	0	SHAHJAHANPUR	139	404
BADAUN	13	16	JALAUN	43	0	SHAMLI	46	37
BAGHPAT	18	12	JAUNPUR	40	29	SHARANPUR	93	69
BAHRAICH	105	59	JHANSI	318	97	SHRAWASTI	45	45
BALLIA	90	53	KANNAUJ	33	6	SIDDHARTHANAGAR	73	128
BALRAMPUR	67	20	KANPUR	29	31	SITAPUR	59	46
BANDA	24	9	KANPUR DEHAT	76	46	SONBHADRA	0	2
BARABANKI	36	68	KASGANJ	3	2	SULTANPUR	5	23
BAREILLY	76	61	KAUSHAMBI	68	77	UNNAO	43	28
BASTI	54	49	KHERI	154	159	VARANASI	2	5
BIJNOR	40	37	KUSHINAGAR	74	28	<b>Total</b>	<b>3629</b>	<b>3376</b>
BULANDSAHAR	57	8	LALITPUR	3	6			
CHANDAULI	3	4	LUCKNOW	35	33			
CHITRAKOOT	12	9	MAHARAJGANJ	51	121			
DEORIA	82	27	MAHOBA	27	0			
ETAH	17	10	MAINPURI	63	49			
ETAWAH	69	86	MATHURA	160	239			
FAIZABAD	11	11	MAU	25	15			
FARRUKHABAD	6	4	MEERUT	69	25			
FATEHPUR	117	89	MIRZAPUR	7	10			
FIROZABAD	26	17	MORADABAD	26	10			

**(d) Delhi**

District	15 Sep – 23 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 – 23 Nov	
	2020	2021
AJMER	3	0
ALWAR	9	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	200	134
HANUMANGARH	883	885
JAIPUR	4	0
JAISELMER	5	0
JALOR	2	0
JHALAWAR	9	1
JHUNJHUNUN	1	0
JODHPUR	5	0
KARALI	1	0
KOTA	116	56
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>1651</b>	<b>1222</b>



(f) Madhya Pradesh

District	15 Sep – 23 Nov				
	2020	2021			
			PANNA	49	20
ALIRAJPUR	0	0	RAISEN	593	309
ANUPPUR	2	2	RAJGARH	11	3
ASHOKNAGAR	156	89	RATLAM	10	5
BALAGHAT	5	4	REWA	129	88
BARWANI	3	0	SAGAR	28	30
BETUL	36	14	SATNA	554	418
BHIND	254	145	SEHORE	155	145
BHOPAL	49	38	SEONI	1229	883
BURHANPUR	16	1	SHAHDOL	3	1
CHHATARPUR	7	0	SHAJAPUR	20	0
CHHINDWARA	129	54	SHEOPUR	1847	939
DAMOH	75	52	SHIVPURI	366	61
DATIA	1185	473	SIDHI	4	3
DEWAS	8	0	SINGRAULI	0	6
DHAR	43	0	TIKAMGARH	4	0
DINDORI	0	0	UJJAIN	14	0
EAST NIMAR	23	7	UMARIA	7	6
GUNA	67	10	VIDESHA	137	94
GWALIOR	2008	440	WEST NIMAR	66	10
HARDA	14	21	<b>Total</b>	<b>13535</b>	<b>6587</b>
HOSHANGABAD	1057	1061			
INDORE	4	0			
JABALPUR	2359	787			
JHABUA	0	0			
KATNI	313	89			
MANDLA	142	96			
MANDSAUR	13	0			
MORENA	62	37			
NARSHIMAPURA	277	146			
NIMACH	2	0			

**State-wise and date-wise number of paddy residue burning events detected in 2020 and 2021**  
**(Period: 15 September – 23 November)**

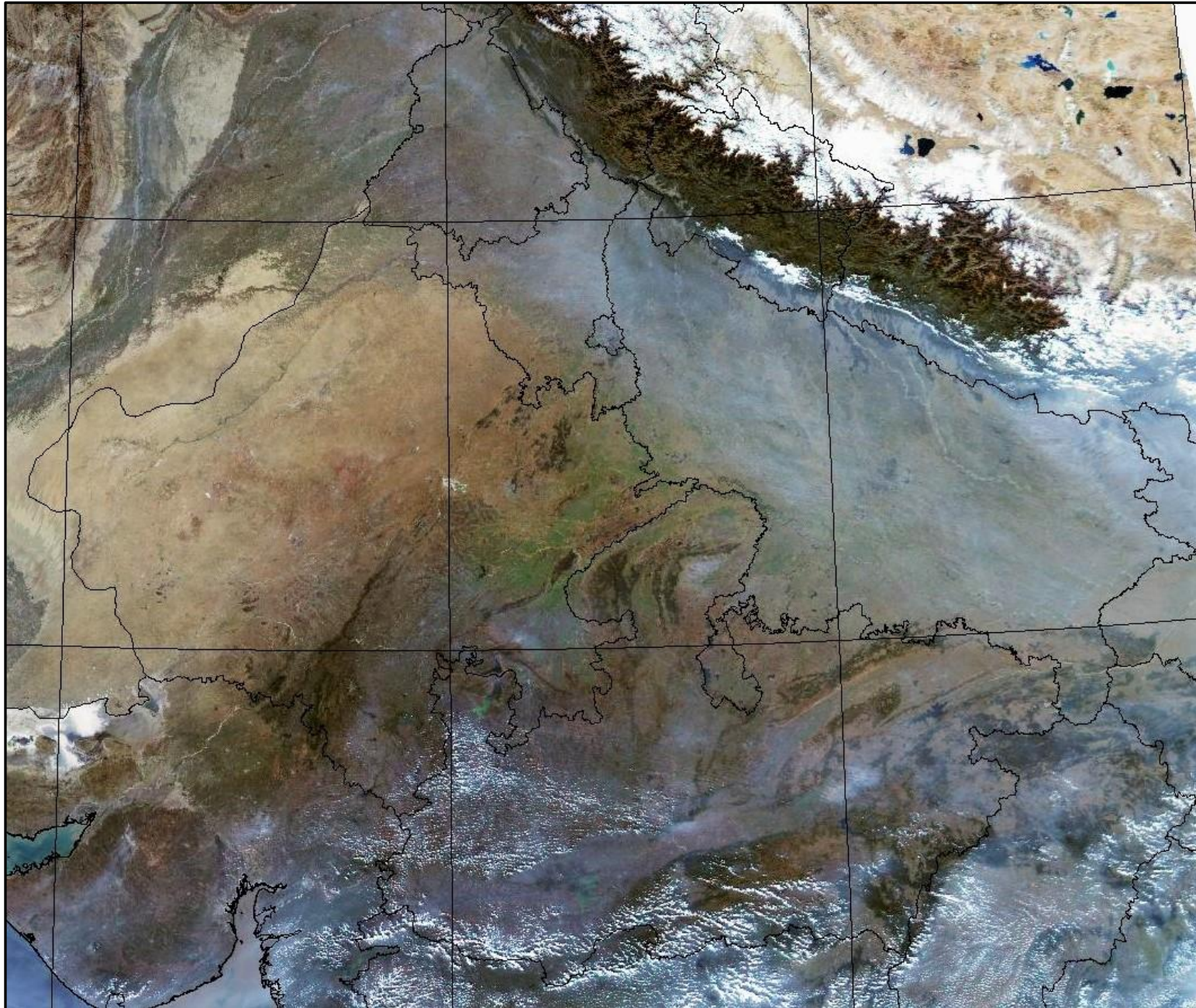
<b>Number of Paddy Residue Burning Events Detected</b>												
	<b>Punjab</b>		<b>Haryana</b>		<b>Uttar Pradesh</b>		<b>Delhi</b>		<b>Rajasthan</b>		<b>Madhya Pradesh</b>	
	<b>2020</b>	<b>2021</b>	<b>2020</b>	<b>2021</b>	<b>2020</b>	<b>2021</b>	<b>2020</b>	<b>2021</b>	<b>2020</b>	<b>2021</b>	<b>2020</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>Total</b>	<b>82693</b>	<b>71181</b>	<b>4016</b>	<b>6792</b>	<b>3629</b>	<b>3376</b>	<b>9</b>	<b>4</b>	<b>1651</b>	<b>1222</b>	<b>13535</b>	<b>6587</b>



[AQUA \(MODIS\) Satellite image \(TCC\) of North and Central India Acquired on 23-Nov-2021 at 13:48:00 IST by IARI Ground Station](#)



### Details of residue burning events in Punjab on 23-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BARNALA	BARNALA	S-NPP	30.31790	75.56630	11/23/2021	14:33:10	D	9.10
2	BARNALA	BARNALA	S-NPP	30.31830	75.56640	11/23/2021	14:33:10	D	7.70
3	BATHINDA	BHAGTA BHAI KA	AQUA	30.55000	75.12900	11/23/2021	13:50:48	D	7.40
4	BATHINDA	GONIANA MANDI	AQUA	30.28100	74.98000	11/23/2021	13:50:48	D	8.50
5	BATHINDA	MAUR	S-NPP	30.06040	75.15420	11/23/2021	14:33:10	D	5.10
6	BATHINDA	MAUR	S-NPP	30.06330	75.15420	11/23/2021	14:33:10	D	9.60
7	BATHINDA	NATHANA	S-NPP	30.25840	75.02400	11/23/2021	12:52:53	D	3.30
8	BATHINDA	NATHANA	AQUA	30.29200	75.12200	11/23/2021	13:50:48	D	32.40
9	BATHINDA	NATHANA	AQUA	30.29900	75.12600	11/23/2021	13:50:48	D	15.80
10	BATHINDA	NATHANA	S-NPP	30.30830	75.11850	11/23/2021	14:33:10	D	7.90
11	BATHINDA	NATHANA	S-NPP	30.31120	75.11810	11/23/2021	14:33:10	D	8.50
12	BATHINDA	RAMPURA	AQUA	30.25200	75.25700	11/23/2021	13:50:48	D	7.30
13	BATHINDA	SANGAT	S-NPP	30.10940	74.66240	11/23/2021	14:33:10	D	7.60
14	FARIDKOT	FARIDKOT	S-NPP	30.77280	74.78780	11/23/2021	12:52:53	D	5.30
15	FAZILKA	ABOHAR	S-NPP	30.19160	74.31020	11/23/2021	12:52:53	D	3.20
16	FAZILKA	ABOHAR	S-NPP	30.19550	74.30990	11/23/2021	12:52:53	D	5.90
17	FAZILKA	ABOHAR	S-NPP	30.19680	74.30850	11/23/2021	12:52:53	D	3.20
18	FAZILKA	FAZILKA	S-NPP	30.39830	74.09950	11/23/2021	12:52:53	D	3.70
19	FAZILKA	FAZILKA	S-NPP	30.40350	74.09790	11/23/2021	12:52:53	D	4.00
20	FAZILKA	FAZILKA	S-NPP	30.41530	74.05330	11/23/2021	12:52:53	D	2.60
21	FAZILKA	FAZILKA	AQUA	30.35600	73.94000	11/23/2021	13:50:48	D	6.40
22	FAZILKA	JALALABAD	S-NPP	30.52370	74.34390	11/23/2021	12:52:53	D	1.50
23	FAZILKA	JALALABAD	S-NPP	30.62850	74.23210	11/23/2021	12:52:53	D	3.90
24	FAZILKA	JALALABAD	S-NPP	30.62950	74.23090	11/23/2021	12:52:53	D	4.20
25	FAZILKA	JALALABAD	AQUA	30.50300	74.28700	11/23/2021	13:50:48	D	9.50
26	FAZILKA	JALALABAD	AQUA	30.53600	74.18300	11/23/2021	13:50:48	D	20.30
27	FAZILKA	JALALABAD	AQUA	30.59700	74.23100	11/23/2021	13:50:48	D	7.40
28	FAZILKA	JALALABAD	S-NPP	30.47700	74.21920	11/23/2021	14:33:10	D	7.50
29	FAZILKA	JALALABAD	S-NPP	30.47730	74.22630	11/23/2021	14:33:10	D	7.50

30	FAZILKA	JALALABAD	S-NPP	30.54420	74.32130	11/23/2021	14:33:10	D	13.80
31	FAZILKA	JALALABAD	S-NPP	30.57270	74.18560	11/23/2021	14:33:10	D	6.30
32	FAZILKA	JALALABAD	S-NPP	30.57340	74.18330	11/23/2021	14:33:10	D	7.90
33	FAZILKA	JALALABAD	S-NPP	30.60970	74.23170	11/23/2021	14:33:10	D	7.00
34	FIROZPUR	GURUHAR SAHAI	S-NPP	30.54070	74.34570	11/23/2021	12:52:53	D	18.70
35	FIROZPUR	GURUHAR SAHAI	S-NPP	30.54080	74.34630	11/23/2021	12:52:53	D	18.60
36	FIROZPUR	GURUHAR SAHAI	S-NPP	30.62210	74.40970	11/23/2021	12:52:53	D	10.30
37	FIROZPUR	GURUHAR SAHAI	S-NPP	30.64550	74.43390	11/23/2021	14:33:10	D	13.30
38	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68370	74.35160	11/23/2021	14:33:10	D	18.80
39	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68390	74.35070	11/23/2021	14:33:10	D	20.70
40	JALANDHAR	NAKODAR	S-NPP	31.10310	75.46570	11/23/2021	12:52:53	D	5.00
41	LUDHIANA	MACHHIWARA	S-NPP	30.99380	76.28660	11/23/2021	12:52:53	D	4.60
42	LUDHIANA	MACHHIWARA	S-NPP	30.99580	76.28840	11/23/2021	12:52:53	D	4.30
43	LUDHIANA	SAMRALA	S-NPP	30.84920	76.13440	11/23/2021	12:52:53	D	6.70
44	MANSA	BUDHLADA	S-NPP	29.78380	75.44260	11/23/2021	14:33:10	D	13.50
45	MANSA	BUDHLADA	S-NPP	29.78480	75.44050	11/23/2021	14:33:10	D	14.50
46	MANSA	SARDULGARH	S-NPP	29.56110	75.27390	11/23/2021	12:52:53	D	2.10
47	MANSA	SARDULGARH	S-NPP	29.72940	75.36480	11/23/2021	12:52:53	D	5.30
48	MANSA	SARDULGARH	AQUA	29.56800	75.27200	11/23/2021	13:50:48	D	14.40
49	MANSA	SARDULGARH	AQUA	29.57100	75.29500	11/23/2021	13:50:48	D	13.70
50	MOGA	BAGHA PURANA	S-NPP	30.71930	74.91320	11/23/2021	12:52:53	D	12.10
51	MOGA	BAGHA PURANA	S-NPP	30.72010	74.91650	11/23/2021	12:52:53	D	16.60
52	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.88200	75.23500	11/23/2021	13:50:48	D	10.20
53	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.88400	75.24700	11/23/2021	13:50:48	D	12.90
54	MOGA	MOGA-1	AQUA	30.85100	75.34200	11/23/2021	13:50:48	D	18.50
55	MOGA	MOGA-1	AQUA	30.85300	75.35400	11/23/2021	13:50:48	D	12.80
56	MOGA	MOGA-2	AQUA	30.82400	75.05200	11/23/2021	13:50:48	D	14.50
57	MOGA	NIHAL SINGH	AQUA	30.54800	75.18800	11/23/2021	13:50:48	D	6.70
58	MOGA	NIHAL SINGH	AQUA	30.54900	75.19900	11/23/2021	13:50:48	D	7.70
59	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.42330	74.72860	11/23/2021	12:52:53	D	2.20
60	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.42420	74.73210	11/23/2021	12:52:53	D	3.00



61	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.40100	74.69400	11/23/2021	13:50:48	D	20.90
62	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.40300	74.70500	11/23/2021	13:50:48	D	72.60
63	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.20430	74.63320	11/23/2021	14:33:10	D	7.30
64	MUKTSAR	LAMBI	S-NPP	29.92730	74.56790	11/23/2021	12:52:53	D	7.00
65	MUKTSAR	LAMBI	S-NPP	29.92730	74.56870	11/23/2021	12:52:53	D	7.00
66	MUKTSAR	LAMBI	S-NPP	29.96170	74.59620	11/23/2021	12:52:53	D	4.10
67	MUKTSAR	LAMBI	AQUA	29.94400	74.56100	11/23/2021	13:50:48	D	17.30
68	MUKTSAR	LAMBI	AQUA	29.94500	74.57200	11/23/2021	13:50:48	D	24.10
69	MUKTSAR	LAMBI	AQUA	30.09400	74.38000	11/23/2021	13:50:48	D	11.70
70	MUKTSAR	MALOUT	S-NPP	30.36360	74.38730	11/23/2021	12:52:53	D	2.10
71	MUKTSAR	MALOUT	AQUA	30.33900	74.36200	11/23/2021	13:50:48	D	14.60
72	MUKTSAR	MALOUT	AQUA	30.34800	74.36000	11/23/2021	13:50:48	D	5.60
73	MUKTSAR	MUKTSAR	S-NPP	30.45610	74.36130	11/23/2021	12:52:53	D	1.90
74	MUKTSAR	MUKTSAR	S-NPP	30.47450	74.46070	11/23/2021	12:52:53	D	2.70
75	MUKTSAR	MUKTSAR	S-NPP	30.57470	74.51390	11/23/2021	12:52:53	D	4.30
76	MUKTSAR	MUKTSAR	S-NPP	30.57560	74.51270	11/23/2021	12:52:53	D	6.60
77	MUKTSAR	MUKTSAR	AQUA	30.48700	74.44400	11/23/2021	13:50:48	D	8.90
78	MUKTSAR	MUKTSAR	AQUA	30.53600	74.46900	11/23/2021	13:50:48	D	6.70
79	MUKTSAR	MUKTSAR	AQUA	30.54300	74.59000	11/23/2021	13:50:48	D	6.00
80	MUKTSAR	MUKTSAR	AQUA	30.54600	74.40100	11/23/2021	13:50:48	D	6.80
81	MUKTSAR	MUKTSAR	AQUA	30.54800	74.41100	11/23/2021	13:50:48	D	5.70
82	MUKTSAR	MUKTSAR	AQUA	30.55500	74.39900	11/23/2021	13:50:48	D	27.10
83	MUKTSAR	MUKTSAR	AQUA	30.56000	74.50900	11/23/2021	13:50:48	D	4.80
84	MUKTSAR	MUKTSAR	S-NPP	30.56790	74.40050	11/23/2021	14:33:10	D	12.10
85	MUKTSAR	MUKTSAR	S-NPP	30.56840	74.40250	11/23/2021	14:33:10	D	12.00
86	PATIALA	BHUNARHERI	S-NPP	30.13960	76.59150	11/23/2021	12:52:53	D	3.60
87	PATIALA	NABHA	AQUA	30.39700	76.11800	11/23/2021	13:50:48	D	8.70
88	PATIALA	NABHA	AQUA	30.54300	76.31500	11/23/2021	13:50:48	D	8.20
89	SANGRUR	ANDANA	S-NPP	29.77830	75.94860	11/23/2021	12:52:53	D	4.80
90	SANGRUR	DIRBA	S-NPP	30.14030	75.90040	11/23/2021	12:52:53	D	3.40
91	SANGRUR	LEHRA GAGA	S-NPP	29.92100	75.67870	11/23/2021	12:52:53	D	3.40



### Details of residue burning events in Haryana on 23-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	FATEHABAD	BHUNA	AQUA	29.61200	75.69500	11/23/2021	13:50:48	D	12.60
2	FATEHABAD	FATEHABAD	AQUA	29.58600	75.33800	11/23/2021	13:50:48	D	10.50
3	FATEHABAD	FATEHABAD	AQUA	29.59300	75.34100	11/23/2021	13:50:48	D	13.00
4	FATEHABAD	RATIA	S-NPP	29.60180	75.53840	11/23/2021	12:52:53	D	3.10
5	FATEHABAD	RATIA	S-NPP	29.61080	75.55110	11/23/2021	12:52:53	D	6.70
6	FATEHABAD	RATIA	S-NPP	29.61460	75.54840	11/23/2021	12:52:53	D	3.60
7	FATEHABAD	RATIA	S-NPP	29.64600	75.50280	11/23/2021	12:52:53	D	4.30
8	FATEHABAD	RATIA	S-NPP	29.73050	75.43810	11/23/2021	12:52:53	D	2.70
9	FATEHABAD	RATIA	S-NPP	29.73120	75.44140	11/23/2021	12:52:53	D	4.00
10	FATEHABAD	RATIA	AQUA	29.60300	75.54400	11/23/2021	13:50:48	D	13.10
11	FATEHABAD	RATIA	AQUA	29.60400	75.55500	11/23/2021	13:50:48	D	7.10
12	FATEHABAD	RATIA	AQUA	29.63300	75.59000	11/23/2021	13:50:48	D	16.50
13	FATEHABAD	RATIA	AQUA	29.67600	75.39700	11/23/2021	13:50:48	D	6.10
14	HISAR	HANSI-I	S-NPP	29.13440	75.98880	11/23/2021	12:52:53	D	10.80
15	HISAR	HANSI-II	S-NPP	29.12710	76.26450	11/23/2021	12:52:53	D	5.00
16	HISAR	HANSI-II	S-NPP	29.12970	76.26310	11/23/2021	12:52:53	D	6.80
17	HISAR	HANSI-II	AQUA	29.12800	76.14700	11/23/2021	13:50:48	D	5.50
18	HISAR	NARNAUND	S-NPP	29.17990	76.05470	11/23/2021	12:52:53	D	4.70
19	HISAR	NARNAUND	S-NPP	29.23270	76.18660	11/23/2021	12:52:53	D	5.00
20	HISAR	NARNAUND	S-NPP	29.28990	76.13560	11/23/2021	12:52:53	D	8.70
21	JIND	JIND	S-NPP	29.30140	76.19890	11/23/2021	12:52:53	D	3.10
22	JIND	JIND	AQUA	29.25500	76.25000	11/23/2021	13:50:48	D	12.80
23	JIND	JIND	AQUA	29.26000	76.21200	11/23/2021	13:50:48	D	7.00
24	JIND	JULANA	AQUA	29.16200	76.50300	11/23/2021	13:50:48	D	9.80
25	JIND	NARWANA	AQUA	29.64400	75.95400	11/23/2021	13:50:48	D	19.20
26	JIND	PILLUKHERA	S-NPP	29.32320	76.52370	11/23/2021	12:52:53	D	4.40
27	JIND	PILLUKHERA	AQUA	29.27400	76.58100	11/23/2021	13:50:48	D	17.30
28	JIND	SAFIDON	S-NPP	29.43450	76.53200	11/23/2021	12:52:53	D	6.20
29	JIND	SAFIDON	S-NPP	29.43920	76.53070	11/23/2021	12:52:53	D	4.90
30	JIND	UCHANA	AQUA	29.52700	76.13800	11/23/2021	13:50:48	D	12.30

31	JIND	UCHANA	AQUA	29.55200	76.18300	11/23/2021	13:50:48	D	6.70
32	KAITHAL	KALAYAT	S-NPP	29.59670	76.26180	11/23/2021	01:42:53	N	0.70
33	PANIPAT	ISRANA	S-NPP	29.28320	76.81880	11/23/2021	12:52:53	D	3.10
34	PANIPAT	ISRANA	AQUA	29.27500	76.76300	11/23/2021	13:50:48	D	6.50
35	PANIPAT	MADLAUDA	S-NPP	29.34210	76.84320	11/23/2021	12:52:53	D	3.80
36	PANIPAT	MADLAUDA	S-NPP	29.34560	76.84550	11/23/2021	12:52:53	D	2.90
37	ROHTAK	MEHAM	S-NPP	28.97240	76.44950	11/23/2021	12:52:53	D	4.30
38	ROHTAK	MEHAM	AQUA	28.95800	76.40900	11/23/2021	13:50:48	D	9.80
39	SIRSA	BARAGUNDA	S-NPP	29.75420	75.18470	11/23/2021	12:52:53	D	1.50
40	SIRSA	BARAGUNDA	AQUA	29.64900	75.11500	11/23/2021	13:50:48	D	9.40
41	SIRSA	DABWALI	S-NPP	29.92730	74.56790	11/23/2021	12:52:53	D	7.00
42	SIRSA	DABWALI	S-NPP	29.92730	74.56870	11/23/2021	12:52:53	D	7.00
43	SIRSA	ELLENABAD	AQUA	29.45400	74.69000	11/23/2021	13:50:48	D	7.00
44	SIRSA	ELLENABAD	AQUA	29.45500	74.70100	11/23/2021	13:50:48	D	21.70
45	SIRSA	ELLENABAD	AQUA	29.47600	74.78500	11/23/2021	13:50:48	D	11.60
46	SIRSA	ELLENABAD	AQUA	29.49000	74.60700	11/23/2021	13:50:48	D	8.60
47	SIRSA	ELLENABAD	AQUA	29.49100	74.76000	11/23/2021	13:50:48	D	8.70
48	SIRSA	ELLENABAD	S-NPP	29.49300	74.76990	11/23/2021	14:33:10	D	9.10
49	SIRSA	RANIA	S-NPP	29.53540	74.63120	11/23/2021	12:52:53	D	1.50
50	SIRSA	RANIA	S-NPP	29.53630	74.63480	11/23/2021	12:52:53	D	2.70
51	SIRSA	RANIA	S-NPP	29.48670	74.91090	11/23/2021	14:33:10	D	5.40
52	SIRSA	RANIA	S-NPP	29.49420	74.79990	11/23/2021	14:33:10	D	7.30
53	SIRSA	SIRSA	S-NPP	29.50460	74.94140	11/23/2021	12:52:53	D	5.20
54	SIRSA	SIRSA	S-NPP	29.48470	74.91420	11/23/2021	14:33:10	D	9.00
55	SIRSA	SIRSA	S-NPP	29.58960	75.04910	11/23/2021	14:33:10	D	9.20
56	SIRSA	SIRSA	S-NPP	29.59310	75.04680	11/23/2021	14:33:10	D	8.10
57	SIRSA	SIRSA	S-NPP	29.53530	75.14540	11/23/2021	01:42:53	N	1.00
58	SONIPAT	MUNDLANA	S-NPP	29.21580	76.71350	11/23/2021	12:52:53	D	4.70
59	SONIPAT	MUNDLANA	AQUA	29.27700	76.77600	11/23/2021	13:50:48	D	12.40

### Details of residue burning events in Uttar Pradesh on 23-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	25.18090	81.74860	11/23/2021	12:52:53	D	1.70
2	ALLAHABAD	HADIYA	S-NPP	25.37960	82.28500	11/23/2021	01:42:53	N	0.20
3	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.33280	82.58060	11/23/2021	12:52:53	D	3.80
4	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.33640	82.57990	11/23/2021	12:52:53	D	3.80
5	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.47340	82.55140	11/23/2021	12:52:53	D	2.70
6	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.53170	82.49380	11/23/2021	12:52:53	D	7.50
7	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.53520	82.49310	11/23/2021	12:52:53	D	5.00
8	AMBEDKARNAGAR	TANDA	S-NPP	26.50110	82.75050	11/23/2021	12:52:53	D	5.20
9	AMETHI	AMETHI	S-NPP	26.21640	81.85430	11/23/2021	12:52:53	D	2.50
10	AMETHI	GAURIGANJ	S-NPP	26.28030	81.58950	11/23/2021	12:52:53	D	3.20
11	AMETHI	MUSAFIRKHANA	S-NPP	26.43060	81.92970	11/23/2021	12:52:53	D	2.90
12	AMETHI	MUSAFIRKHANA	S-NPP	26.53440	81.55350	11/23/2021	12:52:53	D	3.30
13	AMROHA	AMROHA	S-NPP	29.10870	78.66190	11/23/2021	12:52:53	D	2.00
14	AURAIYA	AURAIYA	S-NPP	26.44170	79.55630	11/23/2021	12:52:53	D	2.60
15	AURAIYA	AURAIYA	S-NPP	26.53770	79.57920	11/23/2021	12:52:53	D	7.60
16	AURAIYA	BIDHUNA	S-NPP	26.64160	79.44280	11/23/2021	12:52:53	D	2.00
17	AURAIYA	BIDHUNA	S-NPP	26.75010	79.61280	11/23/2021	12:52:53	D	3.80
18	AZAMGARH	AZAMGARH	S-NPP	25.93400	83.24470	11/23/2021	12:52:53	D	2.20
19	AZAMGARH	AZAMGARH	S-NPP	25.93900	83.33690	11/23/2021	12:52:53	D	12.20
20	AZAMGARH	BURHANPUR	S-NPP	26.21890	83.00420	11/23/2021	12:52:53	D	5.20
21	AZAMGARH	MEHNAGAR	S-NPP	25.84440	83.06020	11/23/2021	12:52:53	D	6.40
22	AZAMGARH	PHULPUR	S-NPP	25.90640	82.79100	11/23/2021	12:52:53	D	1.50
23	AZAMGARH	PHULPUR	S-NPP	25.99290	82.74600	11/23/2021	12:52:53	D	2.30
24	AZAMGARH	PHULPUR	S-NPP	26.05600	82.86300	11/23/2021	01:42:53	N	0.40
25	AZAMGARH	PHULPUR	TERRA	25.92200	82.86400	11/23/2021	10:38:24	D	5.30
26	AZAMGARH	SAGRI	S-NPP	26.19950	83.31510	11/23/2021	12:52:53	D	2.20
27	BAHRAICH	BAHRAICH	S-NPP	27.48140	81.90950	11/23/2021	12:52:53	D	2.20
28	BAHRAICH	BAHRAICH	S-NPP	27.53120	81.85100	11/23/2021	12:52:53	D	4.70
29	BAHRAICH	NANPARA	S-NPP	27.89850	81.37280	11/23/2021	12:52:53	D	2.60

30	BALLIA	BALLIA	S-NPP	25.70450	83.95780	11/23/2021	12:52:53	D	1.50
31	BALLIA	BALLIA	S-NPP	25.78820	84.10090	11/23/2021	12:52:53	D	2.80
32	BALLIA	BALLIA	S-NPP	25.79160	84.10020	11/23/2021	12:52:53	D	2.80
33	BALLIA	BANSDIH	S-NPP	25.90130	84.10830	11/23/2021	12:52:53	D	2.80
34	BALLIA	BANSDIH	S-NPP	25.91750	84.12170	11/23/2021	12:52:53	D	2.70
35	BALLIA	BELTHARA ROAD	S-NPP	26.03290	83.90980	11/23/2021	12:52:53	D	1.40
36	BALLIA	BELTHARA ROAD	S-NPP	26.09900	83.92600	11/23/2021	12:52:53	D	2.40
37	BALLIA	RASRA	S-NPP	25.83820	83.85520	11/23/2021	12:52:53	D	2.90
38	BALLIA	RASRA	S-NPP	25.85670	83.96600	11/23/2021	12:52:53	D	3.80
39	BALLIA	RASRA	S-NPP	25.86010	83.96530	11/23/2021	12:52:53	D	7.10
40	BALLIA	RASRA	S-NPP	25.89140	83.94200	11/23/2021	12:52:53	D	4.10
41	BALLIA	RASRA	S-NPP	25.99270	83.91770	11/23/2021	12:52:53	D	7.50
42	BALLIA	SIKANDARPUR	S-NPP	25.92940	83.96020	11/23/2021	12:52:53	D	3.30
43	BALLIA	SIKANDARPUR	S-NPP	25.93010	83.96420	11/23/2021	12:52:53	D	3.30
44	BALLIA	SIKANDARPUR	S-NPP	25.93350	83.96350	11/23/2021	12:52:53	D	6.40
45	BALLIA	SIKANDARPUR	S-NPP	25.96610	84.01170	11/23/2021	12:52:53	D	1.40
46	BALLIA	SIKANDARPUR	S-NPP	26.10980	83.94910	11/23/2021	12:52:53	D	2.50
47	BANDA	ATARRA	S-NPP	25.37230	80.52150	11/23/2021	12:52:53	D	4.10
48	BANDA	BABERU	S-NPP	25.55300	80.81370	11/23/2021	12:52:53	D	3.30
49	BANDA	BABERU	S-NPP	25.58040	80.73950	11/23/2021	01:42:53	N	0.40
50	BARABANKI	H AidARGARH	S-NPP	26.62650	81.21370	11/23/2021	12:52:53	D	3.20
51	BARABANKI	NAWABGANJ	S-NPP	26.84700	81.26270	11/23/2021	12:52:53	D	4.00
52	BARABANKI	SIR AULI GAUSPUR	S-NPP	26.96180	81.48770	11/23/2021	12:52:53	D	3.70
53	BARABANKI	SIR AULI GAUSPUR	S-NPP	26.93590	81.44900	11/23/2021	01:42:53	N	0.40
54	BAREILLY	NAWABGANJ	S-NPP	28.58180	79.66720	11/23/2021	12:52:53	D	2.60
55	BASTI	BHANPUR	S-NPP	27.01370	82.71560	11/23/2021	12:52:53	D	1.90
56	BASTI	RUDHAULI	S-NPP	27.02220	82.76410	11/23/2021	12:52:53	D	2.60
57	BASTI	RUDHAULI	S-NPP	27.02570	82.76340	11/23/2021	12:52:53	D	4.50
58	DEORIA	BARHAJ	S-NPP	26.39700	83.73560	11/23/2021	12:52:53	D	3.40
59	DEORIA	DEORIA	S-NPP	26.61830	83.71660	11/23/2021	12:52:53	D	3.30
60	DEORIA	DEORIA	S-NPP	26.63940	83.82270	11/23/2021	12:52:53	D	1.90
61	DEORIA	DEORIA	S-NPP	26.64370	83.78820	11/23/2021	12:52:53	D	2.00
62	DEORIA	DEORIA	S-NPP	26.64480	83.79190	11/23/2021	12:52:53	D	4.20

63	DEORIA	DEORIA	S-NPP	26.64780	83.79160	11/23/2021	12:52:53	D	5.50
64	DEORIA	RUDRAPUR	S-NPP	26.41020	83.65200	11/23/2021	12:52:53	D	5.40
65	ETAWAH	BHARTHNA	S-NPP	26.73300	79.13580	11/23/2021	12:52:53	D	3.60
66	ETAWAH	BHARTHNA	S-NPP	26.81170	79.22460	11/23/2021	12:52:53	D	4.00
67	ETAWAH	ETAWAH	S-NPP	26.79270	79.06570	11/23/2021	12:52:53	D	4.30
68	ETAWAH	ETAWAH	S-NPP	26.79360	79.07020	11/23/2021	12:52:53	D	4.30
69	ETAWAH	SAIFAI	S-NPP	26.86500	79.01680	11/23/2021	12:52:53	D	5.30
70	FAIZABAD	BIKAPUR	S-NPP	26.50310	82.16880	11/23/2021	12:52:53	D	6.60
71	FAIZABAD	FAIZSBAD	S-NPP	26.63710	82.37250	11/23/2021	12:52:53	D	3.90
72	FAIZABAD	FAIZSBAD	S-NPP	26.63800	82.37710	11/23/2021	12:52:53	D	3.90
73	FAIZABAD	RUDAULI	S-NPP	26.73930	81.80730	11/23/2021	12:52:53	D	2.60
74	FATEHPUR	FATEHPUR	S-NPP	25.72120	80.87520	11/23/2021	12:52:53	D	5.70
75	FATEHPUR	FATEHPUR	S-NPP	25.78740	80.67150	11/23/2021	12:52:53	D	4.90
76	FATEHPUR	FATEHPUR	S-NPP	25.94900	80.88250	11/23/2021	12:52:53	D	3.20
77	FATEHPUR	KHAGA	S-NPP	25.43950	81.21950	11/23/2021	12:52:53	D	7.10
78	GAZIPUR	GAZIPUR	S-NPP	25.66200	83.60200	11/23/2021	12:52:53	D	3.70
79	GAZIPUR	GAZIPUR	S-NPP	25.68070	83.60680	11/23/2021	12:52:53	D	3.60
80	GAZIPUR	MUHAMMADBAD	S-NPP	25.74410	83.89890	11/23/2021	12:52:53	D	2.00
81	GAZIPUR	ZAMANIA	S-NPP	25.38770	83.67800	11/23/2021	12:52:53	D	3.30
82	GHAZIABAD	GHAZIABAD	S-NPP	28.73210	77.52670	11/23/2021	12:52:53	D	2.40
83	GHAZIABAD	GHAZIABAD	S-NPP	28.73220	77.52980	11/23/2021	12:52:53	D	2.20
84	GONDA	GONDA	S-NPP	27.35480	81.93550	11/23/2021	12:52:53	D	4.00
85	GONDA	MANKAPUR	S-NPP	27.08600	82.42770	11/23/2021	12:52:53	D	2.60
86	GORAKHPUR	GOLA	S-NPP	26.34580	83.38730	11/23/2021	12:52:53	D	3.00
87	GORAKHPUR	GORAKHPUR	S-NPP	26.76620	83.51170	11/23/2021	12:52:53	D	3.00
88	GORAKHPUR	GORAKHPUR	S-NPP	26.84290	83.49180	11/23/2021	12:52:53	D	1.70
89	GORAKHPUR	GORAKHPUR	S-NPP	26.87800	83.53200	11/23/2021	12:52:53	D	5.60
90	GORAKHPUR	KHAJNI	S-NPP	26.57170	83.15660	11/23/2021	12:52:53	D	2.20
91	HAPUR	GARHMUKTESAR	S-NPP	28.71860	78.01550	11/23/2021	12:52:53	D	5.80
92	HAPUR	GARHMUKTESAR	S-NPP	28.71890	78.01720	11/23/2021	12:52:53	D	5.10
93	HARDOI	HARDOI	S-NPP	27.40760	80.26490	11/23/2021	12:52:53	D	5.60
94	HARDOI	SHAHABAD	S-NPP	27.68620	79.96820	11/23/2021	12:52:53	D	1.80
95	JAUNPUR	KIRAKAT	S-NPP	25.73210	82.83630	11/23/2021	12:52:53	D	4.30

96	JAUNPUR	SHHGANJ	S-NPP	25.87810	82.71310	11/23/2021	12:52:53	D	4.20
97	JAUNPUR	SHHGANJ	S-NPP	25.95930	82.74390	11/23/2021	12:52:53	D	6.50
98	JAUNPUR	SHHGANJ	S-NPP	26.08160	82.65340	11/23/2021	12:52:53	D	4.30
99	JAUNPUR	SHHGANJ	S-NPP	26.10560	82.50870	11/23/2021	12:52:53	D	2.50
100	JAUNPUR	SHHGANJ	S-NPP	26.11590	82.58710	11/23/2021	12:52:53	D	1.90
101	JAUNPUR	SHHGANJ	S-NPP	26.03210	82.60240	11/23/2021	01:42:53	N	0.70
102	JHANSI	JHANSI	S-NPP	25.49740	78.70380	11/23/2021	12:52:53	D	3.70
103	KANPUR DEHAT	SIKANDRA	S-NPP	26.42210	79.61380	11/23/2021	12:52:53	D	1.50
104	KANPUR DEHAT	SIKANDRA	S-NPP	26.42290	79.61440	11/23/2021	12:52:53	D	2.50
105	KANPUR DEHAT	SIKANDRA	S-NPP	26.50670	79.70870	11/23/2021	12:52:53	D	1.80
106	KAUSHAMBI	MANJHANPUR	S-NPP	25.43540	81.22290	11/23/2021	12:52:53	D	3.70
107	KAUSHAMBI	MANJHANPUR	S-NPP	25.43570	81.22040	11/23/2021	12:52:53	D	7.10
108	KAUSHAMBI	MANJHANPUR	S-NPP	25.44030	81.20260	11/23/2021	12:52:53	D	2.10
109	KAUSHAMBI	MANJHANPUR	AQUA	25.40900	81.35500	11/23/2021	13:50:48	D	18.60
110	KAUSHAMBI	MANJHANPUR	AQUA	25.41000	81.33700	11/23/2021	13:50:48	D	20.40
111	KAUSHAMBI	MANJHANPUR	AQUA	25.41200	81.35900	11/23/2021	13:50:48	D	14.60
112	KHERI	MOHMADI	S-NPP	27.98870	80.15960	11/23/2021	12:52:53	D	4.90
113	KUSHINAGAR	HATA	S-NPP	26.75290	83.62200	11/23/2021	12:52:53	D	1.50
114	KUSHINAGAR	HATA	S-NPP	26.81370	83.62650	11/23/2021	12:52:53	D	2.20
115	KUSHINAGAR	HATA	S-NPP	26.83760	83.70690	11/23/2021	12:52:53	D	2.70
116	KUSHINAGAR	HATA	S-NPP	26.84510	83.69290	11/23/2021	12:52:53	D	3.00
117	KUSHINAGAR	HATA	S-NPP	26.88370	83.60810	11/23/2021	12:52:53	D	4.50
118	KUSHINAGAR	HATA	S-NPP	26.88800	83.65430	11/23/2021	12:52:53	D	2.90
119	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.93860	83.60170	11/23/2021	12:52:53	D	2.40
120	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.93900	83.60090	11/23/2021	12:52:53	D	2.10
121	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.02390	83.62670	11/23/2021	12:52:53	D	2.40
122	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.02910	83.45420	11/23/2021	12:52:53	D	7.80
123	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.02980	83.45840	11/23/2021	12:52:53	D	5.60
124	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.06050	83.57680	11/23/2021	12:52:53	D	1.90
125	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.06710	83.53250	11/23/2021	12:52:53	D	1.40
126	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.07010	83.61330	11/23/2021	12:52:53	D	4.10
127	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.07620	83.58640	11/23/2021	12:52:53	D	4.20
128	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.10530	83.52880	11/23/2021	12:52:53	D	3.10

129	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.16140	83.50920	11/23/2021	12:52:53	D	3.00
130	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.16840	83.52920	11/23/2021	12:52:53	D	4.60
131	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.17910	83.67650	11/23/2021	12:52:53	D	4.10
132	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.21000	83.54620	11/23/2021	12:52:53	D	2.30
133	MAHARAJGANJ	MAHARAJGANJ	TERRA	27.22900	83.51100	11/23/2021	10:38:24	D	4.80
134	MAHARAJGANJ	NAUTANWA	S-NPP	27.36470	83.42540	11/23/2021	12:52:53	D	2.90
135	MAHARAJGANJ	NAUTANWA	S-NPP	27.42920	83.53660	11/23/2021	12:52:53	D	1.30
136	MAHARAJGANJ	NICHLAUL	S-NPP	27.09690	83.71000	11/23/2021	12:52:53	D	4.10
137	MAHARAJGANJ	NICHLAUL	S-NPP	27.09760	83.71410	11/23/2021	12:52:53	D	4.10
138	MAHARAJGANJ	NICHLAUL	S-NPP	27.38520	83.69430	11/23/2021	12:52:53	D	1.70
139	MAHARAJGANJ	PHARENDA	S-NPP	27.11220	83.33690	11/23/2021	12:52:53	D	3.20
140	MAHARAJGANJ	PHARENDA	S-NPP	27.11450	83.33720	11/23/2021	12:52:53	D	4.30
141	MAU	GHOSI	S-NPP	26.09260	83.55560	11/23/2021	12:52:53	D	1.90
142	MAU	GHOSI	S-NPP	26.21270	83.53990	11/23/2021	12:52:53	D	2.40
143	MEERUT	MAWANA	S-NPP	28.89820	78.06690	11/23/2021	12:52:53	D	14.10
144	MEERUT	MAWANA	S-NPP	28.89920	78.07170	11/23/2021	12:52:53	D	15.50
145	MEERUT	MAWANA	AQUA	28.89800	78.06100	11/23/2021	13:50:48	D	8.20
146	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.69810	77.94250	11/23/2021	12:52:53	D	3.20
147	PILHIBHIT	PURANPUR	S-NPP	28.41870	80.05840	11/23/2021	12:52:53	D	5.40
148	PRATAPGARH	KUNDA	S-NPP	25.80200	81.60300	11/23/2021	01:42:53	N	1.10
149	PRATAPGARH	KUNDA	S-NPP	25.80540	81.60360	11/23/2021	01:42:53	N	0.60
150	PRATAPGARH	PATTI	S-NPP	26.05260	82.15200	11/23/2021	12:52:53	D	5.20
151	RAIBEARELI	DALMAU	S-NPP	26.18240	81.06700	11/23/2021	12:52:53	D	2.80
152	RAIBEARELI	MAHARAJGANG	S-NPP	26.46500	81.07000	11/23/2021	12:52:53	D	5.20
153	RAIBEARELI	MAHARAJGANG	S-NPP	26.52570	81.25570	11/23/2021	12:52:53	D	2.80
154	RAIBEARELI	MAHARAJGANG	S-NPP	26.54790	81.16380	11/23/2021	12:52:53	D	3.40
155	RAIBEARELI	MAHARAJGANG	S-NPP	26.55170	81.16300	11/23/2021	12:52:53	D	3.40
156	RAIBEARELI	RAEBARELI	TERRA	26.41300	81.06700	11/23/2021	10:38:24	D	6.90
157	RAIBEARELI	TILOI	S-NPP	26.32070	81.44880	11/23/2021	12:52:53	D	4.20
158	RAIBEARELI	TILOI	S-NPP	26.38780	81.41050	11/23/2021	12:52:53	D	3.80
159	RAMPUR	MILAK	S-NPP	28.59210	79.18510	11/23/2021	12:52:53	D	1.90
160	SAMBHAL	SAMBHAL	S-NPP	28.69980	78.63350	11/23/2021	12:52:53	D	2.50
161	SANTKABIRNAGAR	GHANGHATA	S-NPP	26.61240	83.03620	11/23/2021	12:52:53	D	3.40

162	SANTRAVIDASNAGAR	AURAI	S-NPP	25.27960	82.58550	11/23/2021	01:42:53	N	0.20
163	SANTRAVIDASNAGAR	AURAI	S-NPP	25.29000	82.58280	11/23/2021	01:42:53	N	0.80
164	SANTRAVIDASNAGAR	BHADOHI	S-NPP	25.38490	82.51270	11/23/2021	12:52:53	D	3.50
165	SANTRAVIDASNAGAR	GYANPUR	S-NPP	25.39200	82.47240	11/23/2021	01:42:53	N	0.30
166	SHAHJAHANPUR	PUWANYA	S-NPP	28.25970	80.04850	11/23/2021	12:52:53	D	3.20
167	SHAHJAHANPUR	PUWANYA	S-NPP	28.32520	80.05410	11/23/2021	12:52:53	D	3.10
168	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.85060	79.77570	11/23/2021	12:52:53	D	2.00
169	SHAHJAHANPUR	TILHAR	AQUA	27.95000	79.74900	11/23/2021	13:50:48	D	11.10
170	SHRAWASTI	IKAUNA	S-NPP	27.62920	81.77110	11/23/2021	12:52:53	D	2.30
171	SHRAWASTI	IKAUNA	S-NPP	27.67010	81.74690	11/23/2021	12:52:53	D	3.10
172	SHRAWASTI	IKAUNA	S-NPP	27.67570	81.73570	11/23/2021	12:52:53	D	1.60
173	SIDDHARTHANAGAR	BANSI	S-NPP	27.02100	82.90410	11/23/2021	12:52:53	D	1.80
174	SIDDHARTHANAGAR	BANSI	S-NPP	27.09790	82.80250	11/23/2021	12:52:53	D	2.60
175	SIDDHARTHANAGAR	BANSI	S-NPP	27.11420	82.87610	11/23/2021	12:52:53	D	2.70
176	SIDDHARTHANAGAR	BANSI	S-NPP	27.13750	82.82290	11/23/2021	12:52:53	D	5.50
177	SIDDHARTHANAGAR	ITWA	S-NPP	27.36260	82.65780	11/23/2021	12:52:53	D	0.80
178	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.40320	83.03700	11/23/2021	12:52:53	D	2.40
179	SONBHADRA	REBUTSHGANJ	S-NPP	24.77130	83.03500	11/23/2021	12:52:53	D	2.40
180	SONBHADRA	REBUTSHGANJ	S-NPP	24.77190	83.03140	11/23/2021	12:52:53	D	1.40
181	SULTANPUR	JAISINGHPUR	S-NPP	26.24670	82.35510	11/23/2021	12:52:53	D	4.50
182	SULTANPUR	KADIRPUR	S-NPP	26.20390	82.51260	11/23/2021	12:52:53	D	3.70
183	SULTANPUR	KADIRPUR	S-NPP	26.21910	82.51400	11/23/2021	12:52:53	D	3.20
184	SULTANPUR	KADIRPUR	S-NPP	26.22370	82.65320	11/23/2021	12:52:53	D	2.40
185	SULTANPUR	SULTANPUR	S-NPP	26.26560	81.91420	11/23/2021	12:52:53	D	5.10
186	UNNAO	UNNAO	S-NPP	26.49990	80.65140	11/23/2021	12:52:53	D	5.80



### Details of residue burning events in Rajasthan on 23-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	GANGANAGAR	ANAPGARH	S-NPP	29.24420	73.09960	11/23/2021	12:52:53	D	6.20
2	GANGANAGAR	ANAPGARH	S-NPP	29.24470	73.09860	11/23/2021	12:52:53	D	5.90
3	GANGANAGAR	SURATGARH	AQUA	29.33400	73.94000	11/23/2021	13:50:48	D	20.00
4	GANGANAGAR	SURATGARH	AQUA	29.34700	73.96900	11/23/2021	13:50:48	D	8.60
5	GANGANAGAR	SURATGARH	S-NPP	29.34270	73.88880	11/23/2021	14:33:10	D	10.40
6	HANUMANGARH	HANUMANGARH	S-NPP	29.59510	74.40070	11/23/2021	12:52:53	D	5.80
7	HANUMANGARH	HANUMANGARH	S-NPP	29.60030	74.39910	11/23/2021	12:52:53	D	5.80
8	HANUMANGARH	HANUMANGARH	AQUA	29.58600	74.37200	11/23/2021	13:50:48	D	52.00
9	HANUMANGARH	HANUMANGARH	AQUA	29.58800	74.38300	11/23/2021	13:50:48	D	52.50
10	HANUMANGARH	HANUMANGARH	AQUA	29.58900	74.39300	11/23/2021	13:50:48	D	5.30
11	HANUMANGARH	HANUMANGARH	AQUA	29.61300	74.36700	11/23/2021	13:50:48	D	4.80
12	HANUMANGARH	HANUMANGARH	AQUA	29.61500	74.37800	11/23/2021	13:50:48	D	13.80
13	HANUMANGARH	HANUMANGARH	S-NPP	29.51560	74.19270	11/23/2021	14:33:10	D	9.40
14	HANUMANGARH	HANUMANGARH	S-NPP	29.51620	74.20660	11/23/2021	14:33:10	D	11.10
15	HANUMANGARH	HANUMANGARH	S-NPP	29.51660	74.21350	11/23/2021	14:33:10	D	10.80
16	HANUMANGARH	HANUMANGARH	S-NPP	29.51690	74.19000	11/23/2021	14:33:10	D	10.80
17	HANUMANGARH	HANUMANGARH	S-NPP	29.51780	74.21080	11/23/2021	14:33:10	D	14.40
18	HANUMANGARH	HANUMANGARH	S-NPP	29.62090	74.37440	11/23/2021	14:33:10	D	6.10
19	HANUMANGARH	HANUMANGARH	S-NPP	29.62160	74.37370	11/23/2021	14:33:10	D	7.70
20	HANUMANGARH	P LIBANGA	S-NPP	29.43380	74.04330	11/23/2021	12:52:53	D	7.00
21	HANUMANGARH	P LIBANGA	S-NPP	29.43920	74.04160	11/23/2021	12:52:53	D	7.00
22	HANUMANGARH	P LIBANGA	S-NPP	29.44990	74.03830	11/23/2021	12:52:53	D	3.10
23	HANUMANGARH	P LIBANGA	AQUA	29.38900	74.00400	11/23/2021	13:50:48	D	9.40
24	HANUMANGARH	P LIBANGA	AQUA	29.39000	74.01400	11/23/2021	13:50:48	D	23.90
25	HANUMANGARH	P LIBANGA	AQUA	29.40300	73.97000	11/23/2021	13:50:48	D	10.40
26	HANUMANGARH	P LIBANGA	AQUA	29.46100	74.05800	11/23/2021	13:50:48	D	27.20
27	HANUMANGARH	P LIBANGA	S-NPP	29.44020	74.03250	11/23/2021	14:33:10	D	4.70
28	HANUMANGARH	P LIBANGA	S-NPP	29.44390	74.03040	11/23/2021	14:33:10	D	9.80
29	HANUMANGARH	TIBI	S-NPP	29.53860	74.55120	11/23/2021	12:52:53	D	1.60

30	HANUMANGARH	TIBI	S-NPP	29.55080	74.57910	11/23/2021	12:52:53	D	7.50
31	HANUMANGARH	TIBI	S-NPP	29.55170	74.58280	11/23/2021	12:52:53	D	9.50
32	HANUMANGARH	TIBI	S-NPP	29.56630	74.55060	11/23/2021	12:52:53	D	3.60
33	HANUMANGARH	TIBI	S-NPP	29.56720	74.55430	11/23/2021	12:52:53	D	6.50
34	HANUMANGARH	TIBI	S-NPP	29.58290	74.51290	11/23/2021	12:52:53	D	4.10
35	HANUMANGARH	TIBI	S-NPP	29.58410	74.44840	11/23/2021	12:52:53	D	16.20
36	HANUMANGARH	TIBI	S-NPP	29.58510	74.45220	11/23/2021	12:52:53	D	15.50
37	HANUMANGARH	TIBI	S-NPP	29.58530	74.51290	11/23/2021	12:52:53	D	4.70
38	HANUMANGARH	TIBI	AQUA	29.50100	74.41500	11/23/2021	13:50:48	D	6.50
39	HANUMANGARH	TIBI	AQUA	29.51500	74.59600	11/23/2021	13:50:48	D	5.70
40	HANUMANGARH	TIBI	AQUA	29.51700	74.60700	11/23/2021	13:50:48	D	19.00
41	HANUMANGARH	TIBI	AQUA	29.52500	74.59400	11/23/2021	13:50:48	D	18.40
42	HANUMANGARH	TIBI	AQUA	29.52600	74.60500	11/23/2021	13:50:48	D	44.80
43	HANUMANGARH	TIBI	AQUA	29.52900	74.56100	11/23/2021	13:50:48	D	9.40
44	HANUMANGARH	TIBI	AQUA	29.55700	74.55600	11/23/2021	13:50:48	D	18.20
45	HANUMANGARH	TIBI	AQUA	29.57700	74.51400	11/23/2021	13:50:48	D	8.30
46	HANUMANGARH	TIBI	AQUA	29.58700	74.44800	11/23/2021	13:50:48	D	9.80
47	HANUMANGARH	TIBI	AQUA	29.58800	74.45800	11/23/2021	13:50:48	D	5.90
48	HANUMANGARH	TIBI	AQUA	29.59100	74.47900	11/23/2021	13:50:48	D	38.90
49	HANUMANGARH	TIBI	AQUA	29.59300	74.49000	11/23/2021	13:50:48	D	28.30
50	HANUMANGARH	TIBI	AQUA	29.61100	74.42200	11/23/2021	13:50:48	D	6.90
51	HANUMANGARH	TIBI	S-NPP	29.52010	74.61060	11/23/2021	14:33:10	D	14.20
52	HANUMANGARH	TIBI	S-NPP	29.52090	74.60550	11/23/2021	14:33:10	D	9.30
53	HANUMANGARH	TIBI	S-NPP	29.52120	74.61280	11/23/2021	14:33:10	D	11.80
54	HANUMANGARH	TIBI	S-NPP	29.52680	74.60300	11/23/2021	14:33:10	D	14.20
55	HANUMANGARH	TIBI	S-NPP	29.52700	74.61030	11/23/2021	14:33:10	D	14.20
56	HANUMANGARH	TIBI	S-NPP	29.52780	74.60520	11/23/2021	14:33:10	D	19.50
57	HANUMANGARH	TIBI	S-NPP	29.53170	74.55140	11/23/2021	14:33:10	D	21.90
58	HANUMANGARH	TIBI	S-NPP	29.53240	74.55380	11/23/2021	14:33:10	D	25.80
59	HANUMANGARH	TIBI	S-NPP	29.56030	74.57200	11/23/2021	14:33:10	D	5.20
60	HANUMANGARH	TIBI	S-NPP	29.56120	74.57450	11/23/2021	14:33:10	D	3.00
61	HANUMANGARH	TIBI	S-NPP	29.57860	74.51290	11/23/2021	14:33:10	D	38.00

### Details of residue burning events in Madhya Pradesh on 23-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BHIND	GOHAD	S-NPP	26.45360	78.32270	11/23/2021	12:52:53	D	3.30
2	BHIND	GOHAD	S-NPP	26.46180	78.29410	11/23/2021	12:52:53	D	4.10
3	BHIND	GOHAD	S-NPP	26.50270	78.37880	11/23/2021	12:52:53	D	3.70
4	BHIND	GOHAD	S-NPP	26.50310	78.37550	11/23/2021	12:52:53	D	3.40
5	BHIND	GOHAD	S-NPP	26.50940	78.43460	11/23/2021	12:52:53	D	3.10
6	BHIND	GOHAD	AQUA	26.50500	78.36500	11/23/2021	13:50:48	D	6.40
7	BHOPAL	BERASIYA	S-NPP	23.62170	77.46760	11/23/2021	12:52:53	D	3.70
8	BHOPAL	HUZUR	S-NPP	23.15730	77.55800	11/23/2021	12:52:53	D	1.80
9	BHOPAL	HUZUR	S-NPP	23.15880	77.55760	11/23/2021	12:52:53	D	1.50
10	DAMOH	DAMOH	S-NPP	23.76960	79.59290	11/23/2021	12:52:53	D	4.20
11	DATIA	BHANDER	S-NPP	25.58070	78.64360	11/23/2021	12:52:53	D	1.80
12	DATIA	BHANDER	S-NPP	25.60100	78.69580	11/23/2021	12:52:53	D	1.90
13	DATIA	BHANDER	S-NPP	25.91540	78.77640	11/23/2021	12:52:53	D	4.60
14	DATIA	BHANDER	S-NPP	25.91640	78.78120	11/23/2021	12:52:53	D	4.30
15	DATIA	BHANDER	AQUA	25.97300	78.73600	11/23/2021	13:50:48	D	11.70
16	DATIA	BHANDER	AQUA	25.97600	78.72800	11/23/2021	13:50:48	D	18.90
17	DATIA	DATIA	S-NPP	25.60500	78.57990	11/23/2021	12:52:53	D	2.40
18	DATIA	DATIA	S-NPP	25.60710	78.65790	11/23/2021	12:52:53	D	2.00
19	DATIA	DATIA	AQUA	25.59800	78.64800	11/23/2021	13:50:48	D	13.10
20	DATIA	SEONDHA	S-NPP	25.87330	78.52010	11/23/2021	12:52:53	D	3.30
21	DATIA	SEONDHA	S-NPP	25.98390	78.66920	11/23/2021	12:52:53	D	8.70
22	DATIA	SEONDHA	AQUA	25.85500	78.59300	11/23/2021	13:50:48	D	13.40
23	DATIA	SEONDHA	AQUA	25.85800	78.58700	11/23/2021	13:50:48	D	9.40
24	DATIA	SEONDHA	AQUA	25.85900	78.60200	11/23/2021	13:50:48	D	10.10
25	DATIA	SEONDHA	AQUA	25.97100	78.72100	11/23/2021	13:50:48	D	14.10
26	GWALIOR	BHITARWAR	S-NPP	25.72920	78.05840	11/23/2021	12:52:53	D	7.90
27	GWALIOR	BHITARWAR	S-NPP	25.73030	78.06380	11/23/2021	12:52:53	D	7.90
28	GWALIOR	BHITARWAR	S-NPP	25.73690	78.11820	11/23/2021	12:52:53	D	5.70
29	GWALIOR	BHITARWAR	S-NPP	25.75260	78.16990	11/23/2021	12:52:53	D	3.40

30	GWALIOR	BHITARWAR	S-NPP	25.82720	78.05300	11/23/2021	12:52:53	D	6.30
31	GWALIOR	BHITARWAR	S-NPP	25.83040	78.11380	11/23/2021	12:52:53	D	6.60
32	GWALIOR	BHITARWAR	S-NPP	25.83390	78.10730	11/23/2021	12:52:53	D	10.50
33	GWALIOR	BHITARWAR	S-NPP	25.83630	78.07310	11/23/2021	12:52:53	D	2.50
34	GWALIOR	BHITARWAR	S-NPP	25.88980	78.12100	11/23/2021	12:52:53	D	4.40
35	GWALIOR	BHITARWAR	S-NPP	25.89470	78.12830	11/23/2021	12:52:53	D	6.00
36	GWALIOR	BHITARWAR	S-NPP	25.89550	78.12510	11/23/2021	12:52:53	D	4.40
37	GWALIOR	BHITARWAR	S-NPP	25.93530	78.22850	11/23/2021	12:52:53	D	10.40
38	GWALIOR	BHITARWAR	S-NPP	25.93540	78.22550	11/23/2021	12:52:53	D	4.60
39	GWALIOR	BHITARWAR	S-NPP	25.93620	78.05100	11/23/2021	12:52:53	D	3.90
40	GWALIOR	BHITARWAR	S-NPP	25.94810	78.17570	11/23/2021	12:52:53	D	3.80
41	GWALIOR	BHITARWAR	S-NPP	25.94910	78.20300	11/23/2021	12:52:53	D	3.80
42	GWALIOR	BHITARWAR	S-NPP	25.95130	78.21340	11/23/2021	12:52:53	D	3.20
43	GWALIOR	BHITARWAR	S-NPP	25.96980	78.16480	11/23/2021	12:52:53	D	6.20
44	GWALIOR	BHITARWAR	S-NPP	26.00100	78.04850	11/23/2021	12:52:53	D	3.90
45	GWALIOR	BHITARWAR	AQUA	25.72500	78.11400	11/23/2021	13:50:48	D	25.50
46	GWALIOR	BHITARWAR	AQUA	25.82900	78.05200	11/23/2021	13:50:48	D	10.90
47	GWALIOR	BHITARWAR	AQUA	25.92900	78.11300	11/23/2021	13:50:48	D	12.40
48	GWALIOR	BHITARWAR	AQUA	25.93000	78.03100	11/23/2021	13:50:48	D	8.70
49	GWALIOR	BHITARWAR	AQUA	25.95500	78.06800	11/23/2021	13:50:48	D	9.00
50	GWALIOR	DABRA	S-NPP	25.82950	78.26850	11/23/2021	12:52:53	D	6.80
51	GWALIOR	DABRA	S-NPP	25.83120	78.27120	11/23/2021	12:52:53	D	8.30
52	GWALIOR	DABRA	S-NPP	25.84640	78.28060	11/23/2021	12:52:53	D	8.90
53	GWALIOR	DABRA	S-NPP	25.87520	78.23520	11/23/2021	12:52:53	D	3.60
54	GWALIOR	DABRA	S-NPP	25.90310	78.27730	11/23/2021	12:52:53	D	4.30
55	GWALIOR	DABRA	S-NPP	25.91430	78.28530	11/23/2021	12:52:53	D	2.80
56	GWALIOR	DABRA	S-NPP	25.94140	78.32450	11/23/2021	12:52:53	D	3.00
57	GWALIOR	DABRA	S-NPP	25.96640	78.30750	11/23/2021	12:52:53	D	5.30
58	GWALIOR	DABRA	S-NPP	25.97710	78.35850	11/23/2021	12:52:53	D	3.60
59	GWALIOR	DABRA	S-NPP	25.97840	78.34210	11/23/2021	12:52:53	D	6.30
60	GWALIOR	DABRA	S-NPP	25.98380	78.36750	11/23/2021	12:52:53	D	2.90
61	GWALIOR	DABRA	S-NPP	25.99540	78.33250	11/23/2021	12:52:53	D	5.60
62	GWALIOR	DABRA	S-NPP	25.99650	78.33760	11/23/2021	12:52:53	D	7.60

63	GWALIOR	DABRA	AQUA	25.84600	78.28600	11/23/2021	13:50:48	D	9.50
64	GWALIOR	DABRA	AQUA	25.87200	78.14200	11/23/2021	13:50:48	D	8.70
65	GWALIOR	DABRA	AQUA	25.90900	78.27700	11/23/2021	13:50:48	D	8.40
66	GWALIOR	DABRA	AQUA	25.91000	78.29100	11/23/2021	13:50:48	D	10.20
67	GWALIOR	DABRA	AQUA	25.98600	78.33000	11/23/2021	13:50:48	D	19.30
68	GWALIOR	DABRA	AQUA	25.98700	78.34400	11/23/2021	13:50:48	D	21.50
69	GWALIOR	GWALIOR	S-NPP	26.30510	78.18110	11/23/2021	12:52:53	D	4.00
70	GWALIOR	GWALIOR	S-NPP	26.30960	78.17990	11/23/2021	12:52:53	D	4.20
71	JABALPUR	JABALPUR	S-NPP	23.23640	79.87790	11/23/2021	12:52:53	D	6.60
72	JABALPUR	JABALPUR	S-NPP	23.26760	79.98930	11/23/2021	12:52:53	D	2.30
73	JABALPUR	JABALPUR	S-NPP	23.31380	79.87910	11/23/2021	12:52:53	D	3.30
74	JABALPUR	JABALPUR	S-NPP	23.31770	79.99180	11/23/2021	12:52:53	D	3.20
75	JABALPUR	JABALPUR	S-NPP	23.32940	79.89100	11/23/2021	12:52:53	D	5.30
76	JABALPUR	JABALPUR	S-NPP	23.33480	79.94080	11/23/2021	12:52:53	D	3.60
77	JABALPUR	JABALPUR	S-NPP	23.33510	79.94180	11/23/2021	12:52:53	D	3.20
78	JABALPUR	JABALPUR	S-NPP	23.34070	79.99220	11/23/2021	12:52:53	D	3.50
79	JABALPUR	JABALPUR	S-NPP	23.34450	80.03720	11/23/2021	12:52:53	D	4.40
80	JABALPUR	JABALPUR	S-NPP	23.34540	80.03790	11/23/2021	12:52:53	D	6.70
81	JABALPUR	JABALPUR	S-NPP	23.34880	79.91970	11/23/2021	12:52:53	D	14.10
82	JABALPUR	JABALPUR	S-NPP	23.35650	79.91320	11/23/2021	12:52:53	D	6.80
83	JABALPUR	JABALPUR	S-NPP	23.36890	79.95290	11/23/2021	12:52:53	D	2.60
84	JABALPUR	JABALPUR	AQUA	23.17900	79.83000	11/23/2021	13:50:48	D	21.00
85	JABALPUR	JABALPUR	AQUA	23.29700	79.97100	11/23/2021	13:50:48	D	10.90
86	JABALPUR	JABALPUR	AQUA	23.31000	79.88800	11/23/2021	13:50:48	D	25.70
87	JABALPUR	JABALPUR	AQUA	23.34200	79.96600	11/23/2021	13:50:48	D	15.10
88	JABALPUR	KUNDAM	S-NPP	23.33520	80.28690	11/23/2021	12:52:53	D	4.70
89	JABALPUR	MAJHOULI	S-NPP	23.40100	79.97840	11/23/2021	12:52:53	D	6.90
90	JABALPUR	MAJHOULI	S-NPP	23.40190	79.98290	11/23/2021	12:52:53	D	9.90
91	JABALPUR	MAJHOULI	S-NPP	23.41310	79.99430	11/23/2021	12:52:53	D	6.10
92	JABALPUR	MAJHOULI	S-NPP	23.44670	80.00530	11/23/2021	12:52:53	D	2.40
93	JABALPUR	MAJHOULI	S-NPP	23.45530	80.00330	11/23/2021	12:52:53	D	5.00
94	JABALPUR	MAJHOULI	S-NPP	23.45610	80.00780	11/23/2021	12:52:53	D	6.90
95	JABALPUR	MAJHOULI	S-NPP	23.45690	80.00430	11/23/2021	12:52:53	D	11.80

96	JABALPUR	MAJHOULI	S-NPP	23.46060	80.04520	11/23/2021	12:52:53	D	3.80
97	JABALPUR	MAJHOULI	S-NPP	23.52510	80.12270	11/23/2021	12:52:53	D	3.80
98	JABALPUR	MAJHOULI	S-NPP	23.52510	80.14550	11/23/2021	12:52:53	D	8.70
99	JABALPUR	MAJHOULI	S-NPP	23.53010	80.05720	11/23/2021	12:52:53	D	5.70
100	JABALPUR	MAJHOULI	S-NPP	23.53100	80.06160	11/23/2021	12:52:53	D	5.70
101	JABALPUR	MAJHOULI	S-NPP	23.53450	80.17070	11/23/2021	12:52:53	D	2.40
102	JABALPUR	MAJHOULI	AQUA	23.40000	79.96800	11/23/2021	13:50:48	D	10.80
103	JABALPUR	PATAN	S-NPP	23.19770	79.70760	11/23/2021	12:52:53	D	7.90
104	JABALPUR	PATAN	S-NPP	23.22700	79.80790	11/23/2021	12:52:53	D	5.30
105	JABALPUR	PATAN	S-NPP	23.23090	79.69010	11/23/2021	12:52:53	D	5.50
106	JABALPUR	PATAN	S-NPP	23.23530	79.68900	11/23/2021	12:52:53	D	3.40
107	JABALPUR	PATAN	S-NPP	23.23550	79.78180	11/23/2021	12:52:53	D	9.50
108	JABALPUR	PATAN	S-NPP	23.24560	79.83260	11/23/2021	12:52:53	D	5.10
109	JABALPUR	PATAN	S-NPP	23.24790	79.79830	11/23/2021	12:52:53	D	3.90
110	JABALPUR	PATAN	S-NPP	23.25800	79.75710	11/23/2021	12:52:53	D	3.90
111	JABALPUR	PATAN	S-NPP	23.26930	79.74480	11/23/2021	12:52:53	D	4.60
112	JABALPUR	PATAN	S-NPP	23.27860	79.81530	11/23/2021	12:52:53	D	1.50
113	JABALPUR	PATAN	S-NPP	23.28910	79.82250	11/23/2021	12:52:53	D	2.40
114	JABALPUR	PATAN	S-NPP	23.29350	79.82150	11/23/2021	12:52:53	D	2.40
115	JABALPUR	PATAN	S-NPP	23.29660	79.76760	11/23/2021	12:52:53	D	6.10
116	JABALPUR	PATAN	S-NPP	23.29920	79.76350	11/23/2021	12:52:53	D	3.80
117	JABALPUR	PATAN	S-NPP	23.33570	79.74050	11/23/2021	12:52:53	D	5.80
118	JABALPUR	PATAN	S-NPP	23.33660	79.74510	11/23/2021	12:52:53	D	5.80
119	JABALPUR	PATAN	S-NPP	23.34150	79.79240	11/23/2021	12:52:53	D	4.00
120	JABALPUR	PATAN	S-NPP	23.35500	79.83730	11/23/2021	12:52:53	D	3.50
121	JABALPUR	PATAN	TERRA	23.26100	79.71600	11/23/2021	10:38:24	D	23.10
122	JABALPUR	PATAN	TERRA	23.26300	79.70400	11/23/2021	10:38:24	D	14.10
123	JABALPUR	SAHPURA	AQUA	23.16700	79.72700	11/23/2021	13:50:48	D	18.80
124	JABALPUR	SAHPURA	AQUA	23.16900	79.73600	11/23/2021	13:50:48	D	14.00
125	JABALPUR	SAHPURA	AQUA	23.17200	79.65700	11/23/2021	13:50:48	D	20.40
126	JABALPUR	SAHPURA	AQUA	23.17300	79.67300	11/23/2021	13:50:48	D	9.00
127	JABALPUR	SAHPURA	AQUA	23.17800	79.82100	11/23/2021	13:50:48	D	16.20
128	JABALPUR	SAHPURA	AQUA	23.18000	79.73400	11/23/2021	13:50:48	D	14.70



129	JABALPUR	SIHORA	S-NPP	23.37320	80.08730	11/23/2021	12:52:53	D	2.80
130	JABALPUR	SIHORA	S-NPP	23.38010	80.09950	11/23/2021	12:52:53	D	3.50
131	JABALPUR	SIHORA	S-NPP	23.39260	80.02710	11/23/2021	12:52:53	D	3.00
132	JABALPUR	SIHORA	S-NPP	23.41860	80.09070	11/23/2021	12:52:53	D	9.20
133	JABALPUR	SIHORA	S-NPP	23.42470	80.16730	11/23/2021	12:52:53	D	3.10
134	JABALPUR	SIHORA	S-NPP	23.42480	80.21280	11/23/2021	12:52:53	D	9.60
135	JABALPUR	SIHORA	S-NPP	23.43160	80.24740	11/23/2021	12:52:53	D	5.30
136	JABALPUR	SIHORA	S-NPP	23.43490	80.24210	11/23/2021	12:52:53	D	2.90
137	JABALPUR	SIHORA	S-NPP	23.45280	80.15170	11/23/2021	12:52:53	D	6.80
138	JABALPUR	SIHORA	S-NPP	23.45360	80.22430	11/23/2021	12:52:53	D	8.50
139	JABALPUR	SIHORA	S-NPP	23.45530	80.07300	11/23/2021	12:52:53	D	7.00
140	JABALPUR	SIHORA	S-NPP	23.45700	80.08180	11/23/2021	12:52:53	D	3.90
141	JABALPUR	SIHORA	S-NPP	23.46380	80.18570	11/23/2021	12:52:53	D	2.80
142	JABALPUR	SIHORA	S-NPP	23.46600	80.07180	11/23/2021	12:52:53	D	5.80
143	JABALPUR	SIHORA	S-NPP	23.46810	80.07000	11/23/2021	12:52:53	D	6.00
144	JABALPUR	SIHORA	AQUA	23.43500	80.18100	11/23/2021	13:50:48	D	27.10
145	JABALPUR	SIHORA	AQUA	23.44700	80.07800	11/23/2021	13:50:48	D	25.90
146	KATNI	BAHURIBAND	S-NPP	23.62230	80.04150	11/23/2021	12:52:53	D	2.40
147	KATNI	BAHURIBAND	S-NPP	23.64280	80.05530	11/23/2021	12:52:53	D	3.10
148	KATNI	BARBARA	S-NPP	23.63810	80.59200	11/23/2021	12:52:53	D	2.80
149	KATNI	DHIMERKHEDA	S-NPP	23.47290	80.27850	11/23/2021	12:52:53	D	7.00
150	KATNI	DHIMERKHEDA	TERRA	23.46800	80.31700	11/23/2021	10:38:24	D	7.10
151	MANDLA	BACHHIYA	S-NPP	22.51300	80.45000	11/23/2021	12:52:53	D	3.30
152	NARSHIMAPURA	GOTECAON	S-NPP	22.97950	79.42660	11/23/2021	12:52:53	D	3.40
153	NARSHIMAPURA	GOTECAON	S-NPP	22.98400	79.42560	11/23/2021	12:52:53	D	5.50
154	NARSHIMAPURA	GOTECAON	S-NPP	23.00050	79.50880	11/23/2021	12:52:53	D	7.10
155	NARSHIMAPURA	GOTECAON	S-NPP	23.00150	79.51370	11/23/2021	12:52:53	D	8.50
156	NARSHIMAPURA	GOTECAON	AQUA	23.02800	79.50500	11/23/2021	13:50:48	D	10.40
157	NARSHIMAPURA	GOTECAON	AQUA	23.03000	79.52000	11/23/2021	13:50:48	D	33.20
158	RAISEN	BARELI	S-NPP	23.04810	78.31120	11/23/2021	12:52:53	D	5.60
159	RAISEN	BARELI	S-NPP	22.94350	78.10570	11/23/2021	01:42:53	N	0.70
160	RAISEN	BARELI	S-NPP	22.97320	78.37580	11/23/2021	01:42:53	N	1.30
161	RAISEN	BARELI	S-NPP	22.97360	78.37750	11/23/2021	01:42:53	N	0.80

162	RAISEN	BARELI	S-NPP	23.05550	78.30580	11/23/2021	01:42:53	N	1.10
163	RAISEN	GOHARGANJ	S-NPP	23.00810	77.65690	11/23/2021	12:52:53	D	3.70
164	RAISEN	GOHARGANJ	S-NPP	23.01770	77.55390	11/23/2021	12:52:53	D	3.20
165	RAISEN	GOHARGANJ	S-NPP	23.01840	77.55710	11/23/2021	12:52:53	D	5.20
166	RAISEN	GOHARGANJ	S-NPP	23.01930	77.61070	11/23/2021	12:52:53	D	1.90
167	RAISEN	GOHARGANJ	S-NPP	23.03540	77.63680	11/23/2021	12:52:53	D	5.30
168	RAISEN	GOHARGANJ	S-NPP	23.05760	77.60270	11/23/2021	12:52:53	D	1.20
169	RAISEN	GOHARGANJ	S-NPP	23.06340	77.66990	11/23/2021	12:52:53	D	2.50
170	RAISEN	GOHARGANJ	S-NPP	23.06840	77.48200	11/23/2021	12:52:53	D	2.50
171	RAISEN	SILVANI	S-NPP	23.19590	78.32780	11/23/2021	12:52:53	D	6.70
172	RAISEN	SILVANI	S-NPP	23.18810	78.52740	11/23/2021	01:42:53	N	1.30
173	REWA	GURH	S-NPP	24.50390	81.48450	11/23/2021	12:52:53	D	3.40
174	REWA	HUZUR	S-NPP	24.44510	81.25190	11/23/2021	12:52:53	D	4.00
175	REWA	HUZUR	S-NPP	24.44690	81.24900	11/23/2021	12:52:53	D	4.90
176	REWA	HUZUR	S-NPP	24.44900	81.25100	11/23/2021	12:52:53	D	4.70
177	REWA	HUZUR	S-NPP	24.49830	81.28320	11/23/2021	12:52:53	D	6.20
178	REWA	HUZUR	S-NPP	24.58600	81.36330	11/23/2021	12:52:53	D	3.70
179	REWA	HUZUR	S-NPP	24.58660	81.36550	11/23/2021	12:52:53	D	3.90
180	REWA	HUZUR	TERRA	24.67300	81.18200	11/23/2021	10:38:24	D	9.90
181	REWA	HUZUR	S-NPP	24.44030	81.39890	11/23/2021	01:42:53	N	0.50
182	REWA	MAUGANJ	S-NPP	24.68870	81.67650	11/23/2021	12:52:53	D	3.90
183	REWA	RAJPUR KUCHULIYAN	S-NPP	24.64260	81.37620	11/23/2021	01:42:53	N	0.40
184	REWA	RAJPUR KUCHULIYAN	S-NPP	24.64600	81.37680	11/23/2021	01:42:53	N	0.40
185	REWA	SIRMAUR	S-NPP	24.66750	81.26350	11/23/2021	12:52:53	D	2.30
186	REWA	SIRMAUR	S-NPP	24.72520	81.23730	11/23/2021	01:42:53	N	0.60
187	REWA	TEONTHAR	S-NPP	24.92600	81.86740	11/23/2021	12:52:53	D	5.10
188	REWA	TEONTHAR	S-NPP	24.97570	81.48490	11/23/2021	12:52:53	D	4.90
189	REWA	TEONTHAR	TERRA	24.92900	81.87400	11/23/2021	10:38:24	D	5.00
190	SATNA	AMARPATAN	S-NPP	24.26010	81.00010	11/23/2021	12:52:53	D	2.80
191	SATNA	AMARPATAN	S-NPP	24.34460	81.08810	11/23/2021	12:52:53	D	2.60
192	SATNA	AMARPATAN	TERRA	24.44000	81.21400	11/23/2021	10:38:24	D	5.20
193	SATNA	MAIHAR	S-NPP	24.25290	80.82900	11/23/2021	12:52:53	D	4.00

194	SATNA	MAIHAR	S-NPP	24.31240	80.94140	11/23/2021	12:52:53	D	1.00
195	SATNA	MAIHAR	S-NPP	24.39650	80.85790	11/23/2021	12:52:53	D	2.10
196	SATNA	MAJHGAWAN	S-NPP	24.71750	80.91260	11/23/2021	12:52:53	D	2.00
197	SATNA	NAGOD	S-NPP	24.50380	80.56390	11/23/2021	12:52:53	D	2.70
198	SATNA	NAGOD	S-NPP	24.50790	80.62940	11/23/2021	12:52:53	D	1.40
199	SATNA	NAGOD	S-NPP	24.52620	80.59200	11/23/2021	12:52:53	D	2.40
200	SATNA	NAGOD	S-NPP	24.58580	80.46980	11/23/2021	12:52:53	D	6.10
201	SATNA	NAGOD	S-NPP	24.62070	80.67330	11/23/2021	12:52:53	D	1.80
202	SATNA	NAGOD	S-NPP	24.63260	80.62540	11/23/2021	12:52:53	D	4.70
203	SATNA	NAGOD	S-NPP	24.64460	80.47340	11/23/2021	12:52:53	D	2.20
204	SATNA	NAGOD	S-NPP	24.65290	80.55900	11/23/2021	12:52:53	D	4.40
205	SATNA	NAGOD	S-NPP	24.68520	80.57240	11/23/2021	12:52:53	D	2.70
206	SATNA	NAGOD	TERRA	24.59400	80.68100	11/23/2021	10:38:24	D	9.50
207	SATNA	NAGOD	TERRA	24.62700	80.61200	11/23/2021	10:38:24	D	5.50
208	SATNA	RAGURAJNAGAR	S-NPP	24.58660	80.75830	11/23/2021	12:52:53	D	2.90
209	SATNA	RAGURAJNAGAR	S-NPP	24.59630	80.89680	11/23/2021	12:52:53	D	2.60
210	SATNA	RAGURAJNAGAR	S-NPP	24.60030	80.89590	11/23/2021	12:52:53	D	4.60
211	SATNA	RAGURAJNAGAR	S-NPP	24.60070	80.89550	11/23/2021	12:52:53	D	2.70
212	SATNA	RAGURAJNAGAR	S-NPP	24.68430	80.65490	11/23/2021	12:52:53	D	3.80
213	SATNA	RAGURAJNAGAR	S-NPP	24.68730	80.67060	11/23/2021	12:52:53	D	1.00
214	SATNA	RAGURAJNAGAR	S-NPP	24.69010	80.64130	11/23/2021	12:52:53	D	3.60
215	SATNA	RAGURAJNAGAR	S-NPP	24.69770	80.61500	11/23/2021	12:52:53	D	4.50
216	SATNA	RAGURAJNAGAR	S-NPP	24.70770	80.71080	11/23/2021	12:52:53	D	2.00
217	SATNA	RAGURAJNAGAR	S-NPP	24.73660	80.70830	11/23/2021	12:52:53	D	3.10
218	SATNA	RAGURAJNAGAR	S-NPP	24.73740	80.71210	11/23/2021	12:52:53	D	4.60
219	SATNA	RAGURAJNAGAR	S-NPP	24.76380	80.76270	11/23/2021	12:52:53	D	3.00
220	SATNA	RAMPURBAGHLEAN	S-NPP	24.46060	80.97520	11/23/2021	12:52:53	D	3.10
221	SATNA	RAMPURBAGHLEAN	S-NPP	24.54590	80.91610	11/23/2021	12:52:53	D	2.90
222	SATNA	RAMPURBAGHLEAN	S-NPP	24.54990	80.91520	11/23/2021	12:52:53	D	2.90
223	SATNA	RAMPURBAGHLEAN	S-NPP	24.55500	80.98520	11/23/2021	12:52:53	D	5.40
224	SATNA	RAMPURBAGHLEAN	S-NPP	24.55740	81.02000	11/23/2021	12:52:53	D	1.90
225	SATNA	RAMPURBAGHLEAN	S-NPP	24.58060	80.96760	11/23/2021	12:52:53	D	1.70
226	SATNA	RAMPURBAGHLEAN	S-NPP	24.58580	81.08290	11/23/2021	12:52:53	D	4.60

227	SATNA	RAMPURBAGHLEAN	S-NPP	24.65270	81.03620	11/23/2021	12:52:53	D	11.40
228	SATNA	RAMPURBAGHLEAN	S-NPP	24.66260	81.10970	11/23/2021	12:52:53	D	3.10
229	SATNA	RAMPURBAGHLEAN	S-NPP	24.66950	81.03830	11/23/2021	12:52:53	D	3.10
230	SATNA	RAMPURBAGHLEAN	S-NPP	24.69110	81.02180	11/23/2021	12:52:53	D	4.50
231	SATNA	RAMPURBAGHLEAN	S-NPP	24.71270	81.09260	11/23/2021	12:52:53	D	4.40
232	SATNA	RAMPURBAGHLEAN	AQUA	24.52100	81.00600	11/23/2021	13:50:48	D	13.50
233	SATNA	UCHAHAR	S-NPP	24.37750	80.84620	11/23/2021	12:52:53	D	1.40
234	SATNA	UCHAHAR	S-NPP	24.37790	80.84620	11/23/2021	12:52:53	D	2.20
235	SATNA	UCHAHAR	S-NPP	24.39280	80.83870	11/23/2021	12:52:53	D	3.00
236	SATNA	UCHAHAR	S-NPP	24.39680	80.83780	11/23/2021	12:52:53	D	3.50
237	SATNA	UCHAHAR	S-NPP	24.39980	80.85320	11/23/2021	12:52:53	D	1.60
238	SATNA	UCHAHAR	S-NPP	24.40080	80.83690	11/23/2021	12:52:53	D	3.50
239	SATNA	UCHAHAR	S-NPP	24.52530	80.76430	11/23/2021	12:52:53	D	2.00
240	SATNA	UCHAHAR	S-NPP	24.53260	80.75860	11/23/2021	12:52:53	D	1.10
241	SEHORE	BUDHNI	S-NPP	22.72140	77.49490	11/23/2021	12:52:53	D	1.70
242	SEHORE	BUDHNI	S-NPP	22.91700	77.98330	11/23/2021	12:52:53	D	4.00
243	SEHORE	BUDHNI	S-NPP	22.91750	77.98540	11/23/2021	12:52:53	D	6.90
244	SEHORE	BUDHNI	TERRA	22.94300	77.94300	11/23/2021	10:38:24	D	12.90
245	SEHORE	BUDHNI	TERRA	22.94600	77.93500	11/23/2021	10:38:24	D	22.20
246	SEHORE	BUDHNI	S-NPP	22.85410	77.99300	11/23/2021	01:42:53	N	0.80
247	SEHORE	BUDHNI	S-NPP	22.88600	77.95660	11/23/2021	01:42:53	N	0.40
248	SEONI	SEONI	AQUA	22.27600	79.41700	11/23/2021	13:50:48	D	12.30
249	SHAHDOL	BEOHARI	TERRA	24.21000	81.42100	11/23/2021	10:38:24	D	4.50
250	SHEOPUR	SHEOPUR	AQUA	25.80100	76.65200	11/23/2021	13:50:48	D	6.50
251	SHIVPURI	NARWAR	S-NPP	25.62690	78.20870	11/23/2021	12:52:53	D	2.50
252	SHIVPURI	NARWAR	S-NPP	25.64130	78.09310	11/23/2021	12:52:53	D	2.80
253	SHIVPURI	NARWAR	S-NPP	25.66080	78.25550	11/23/2021	12:52:53	D	3.50
254	SHIVPURI	NARWAR	S-NPP	25.69350	78.00510	11/23/2021	12:52:53	D	10.80
255	SHIVPURI	NARWAR	AQUA	25.58900	78.24200	11/23/2021	13:50:48	D	8.00
256	SHIVPURI	NARWAR	AQUA	25.64300	78.24900	11/23/2021	13:50:48	D	9.00
257	SHIVPURI	NARWAR	AQUA	25.69600	78.11100	11/23/2021	13:50:48	D	8.20
258	SHIVPURI	NARWAR	AQUA	25.71600	78.10800	11/23/2021	13:50:48	D	27.70
259	SIDHI	CHORHAT	S-NPP	24.51280	81.88030	11/23/2021	12:52:53	D	1.10

260	UMARIA	BANDHOGARH	S-NPP	23.68900	80.72430	11/23/2021	12:52:53	D	2.10
261	VIDESHA	BASODA	TERRA	23.92600	78.03900	11/23/2021	10:38:24	D	11.40
262	VIDESHA	VIDESHA	S-NPP	23.58110	77.81120	11/23/2021	12:52:53	D	3.90

## 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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