

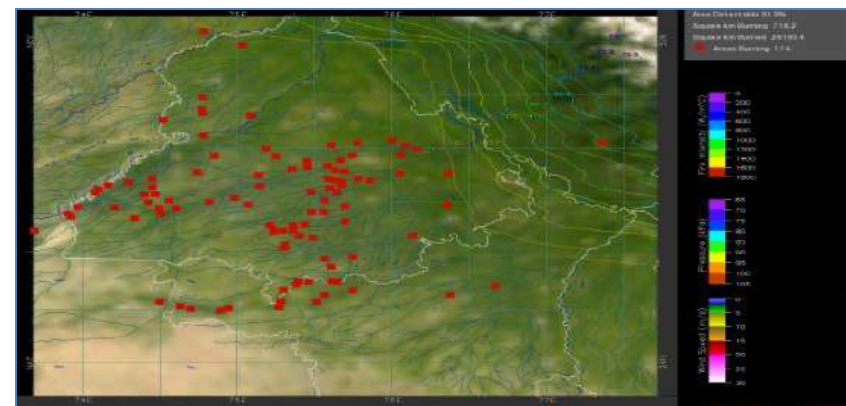
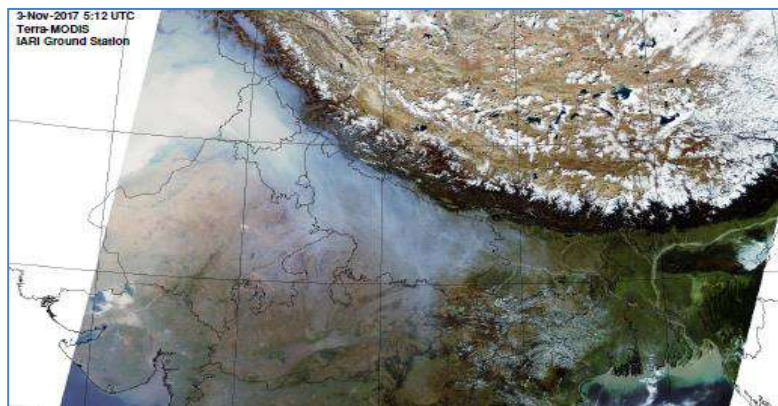


# MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2023

Bulletin  
No. 69

Events Date:  
22-Nov-2023

Issued on:  
22-Nov-2023



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

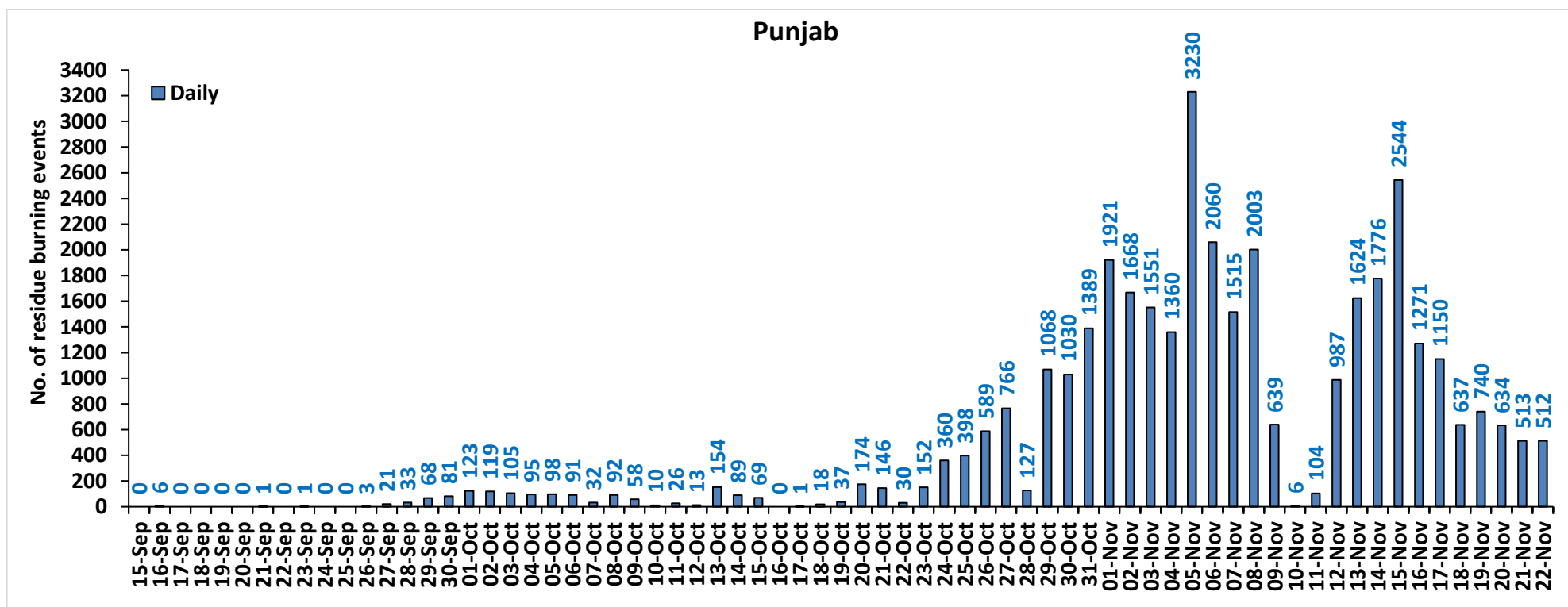
<http://creams.iari.res.in>



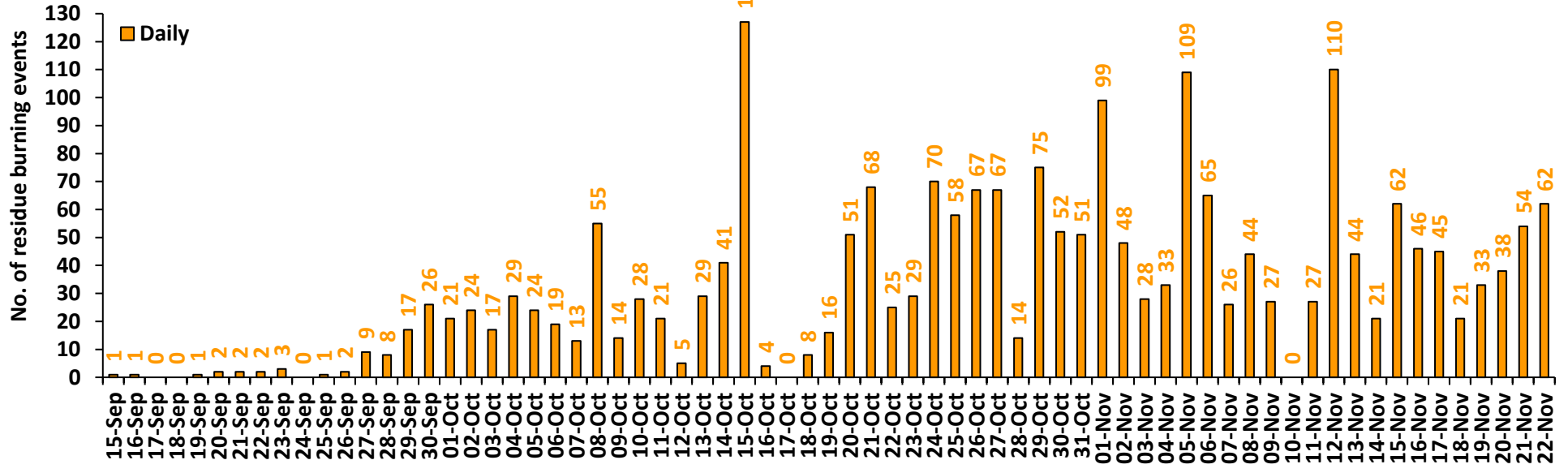
## Highlights for 22-Nov-2023

- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **1353** residue burning events in the six study States on 22-Nov-2023.
- The state wise events detected on 22-Nov-2023 were **512** in Punjab, **62** in Haryana, **217** in UP, **00** in Delhi, **52** in Rajasthan and **510** in MP.
- Total **54903** burning events were detected in the six states between 15-Sept-2023 and 22-Nov-2023, which are distributed as **36118**, **2239**, **3078**, **05**, **1727** and **11736** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

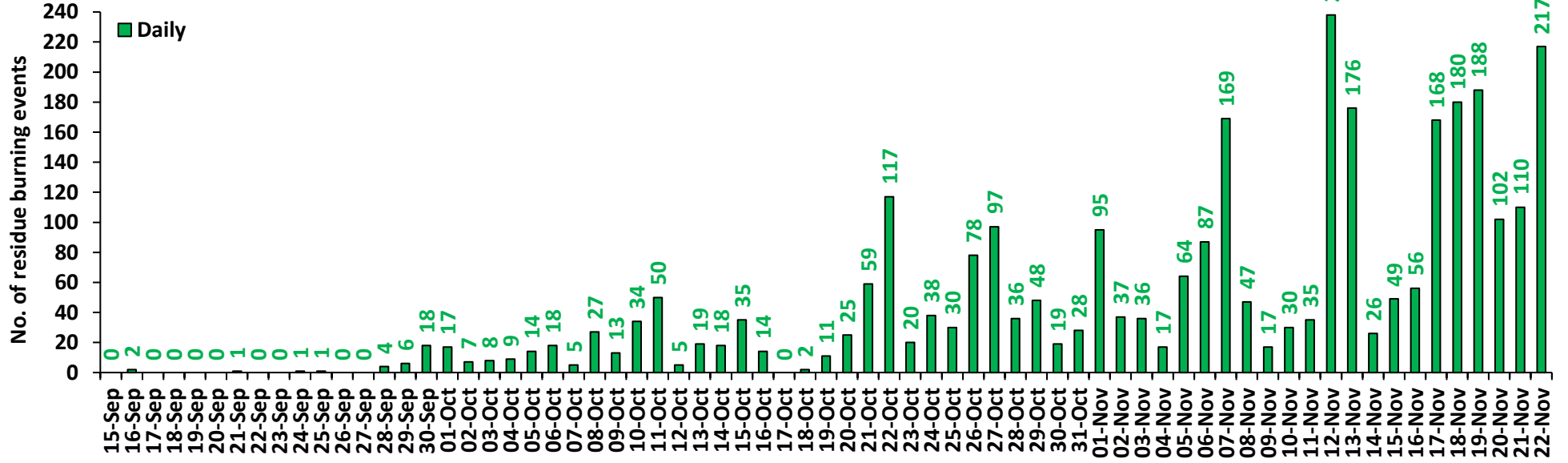
### Temporal distribution of rice residue burning events for the study States in 2023



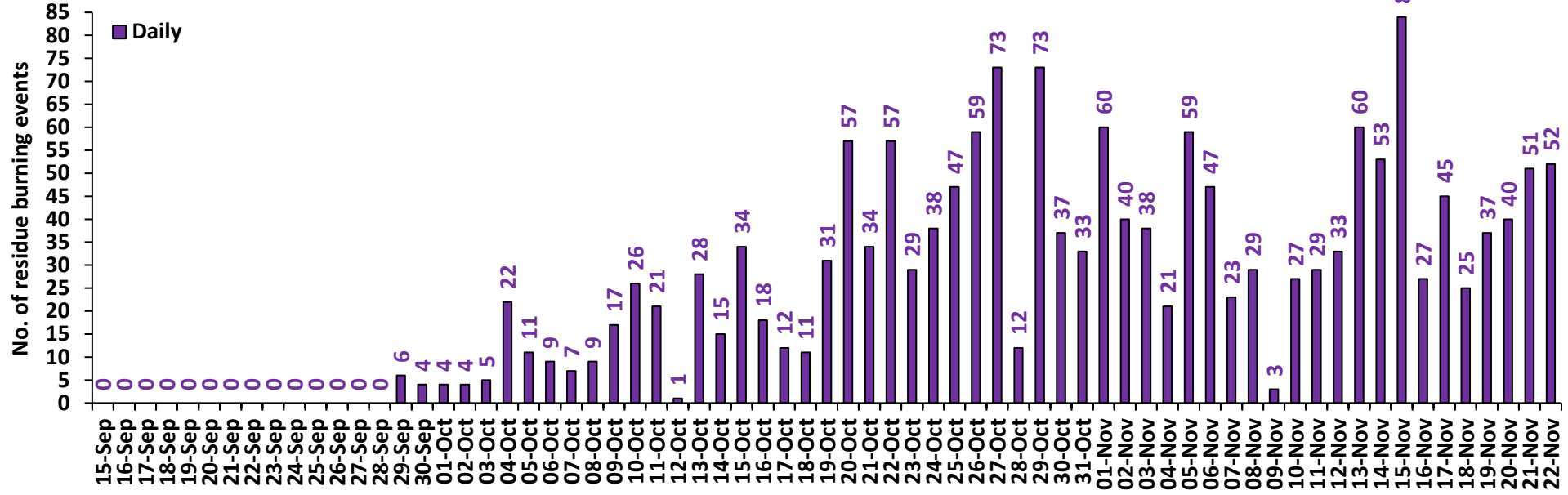
### Haryana



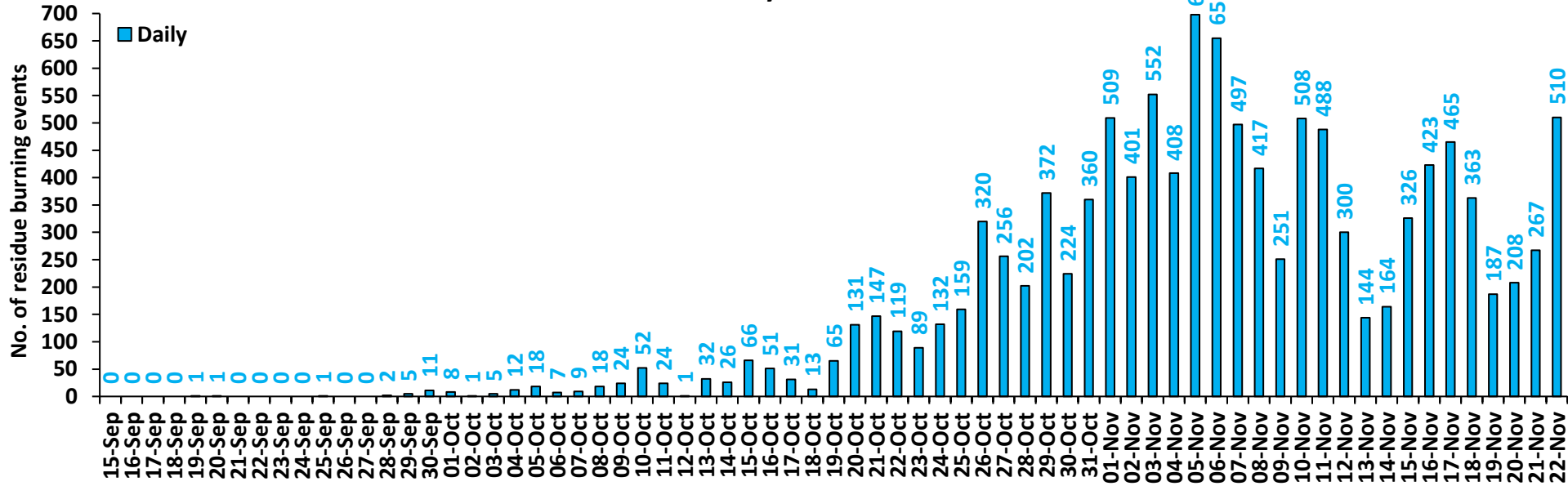
### Uttar Pradesh



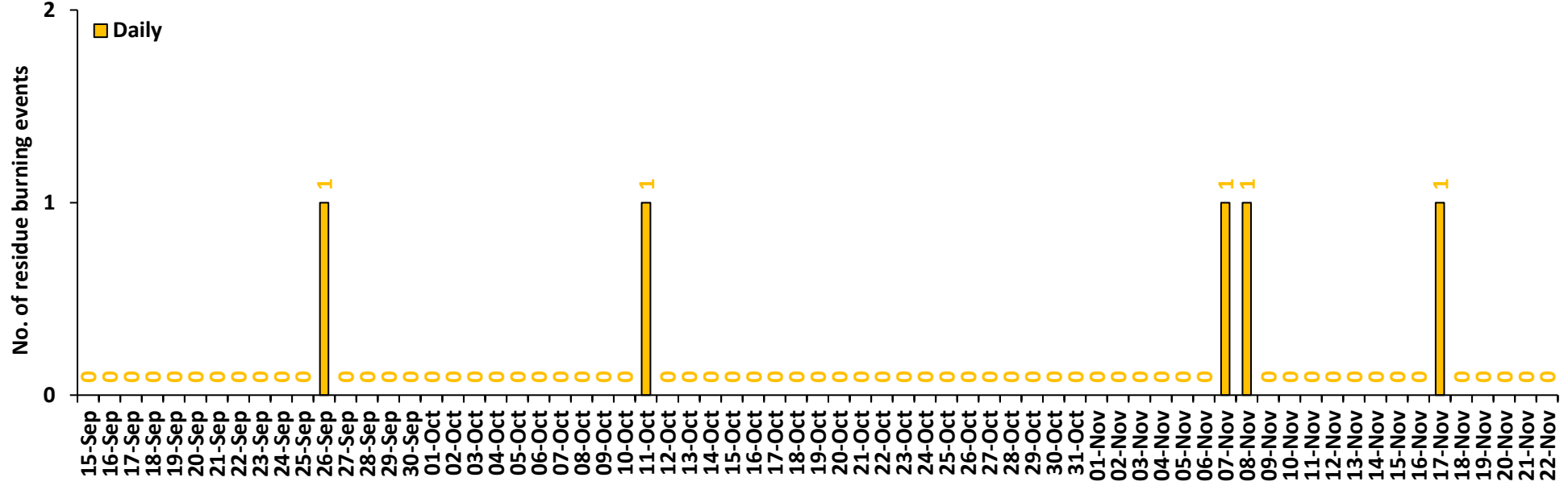
### Rajasthan



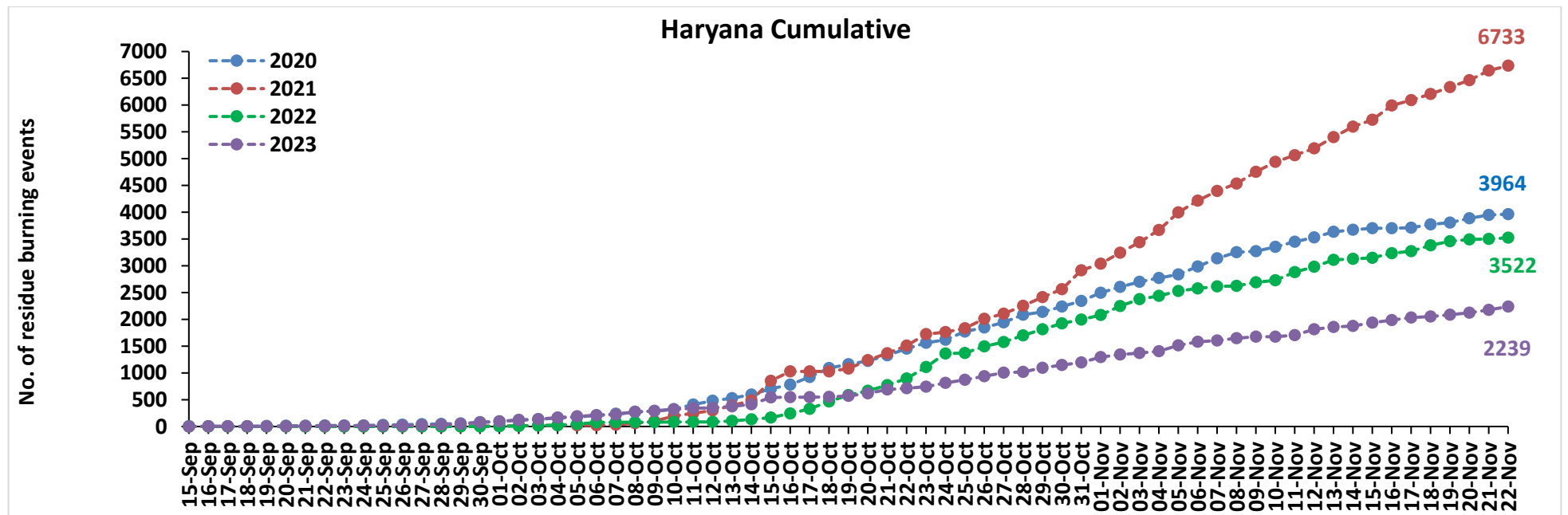
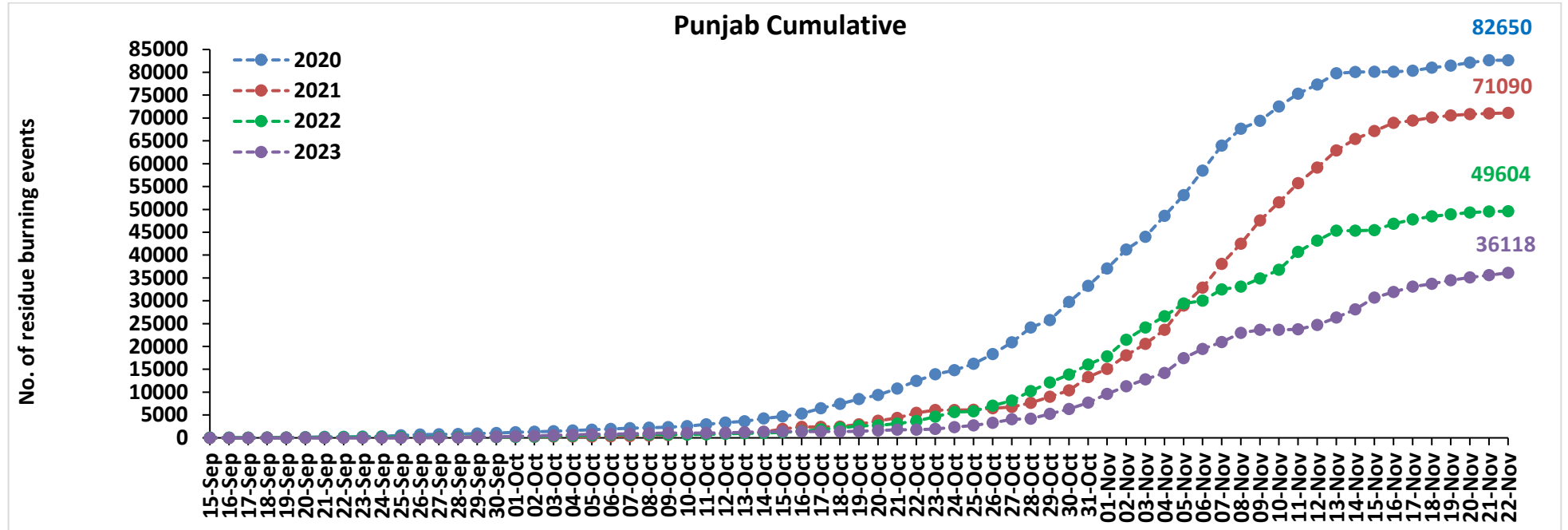
### Madhya Pradesh

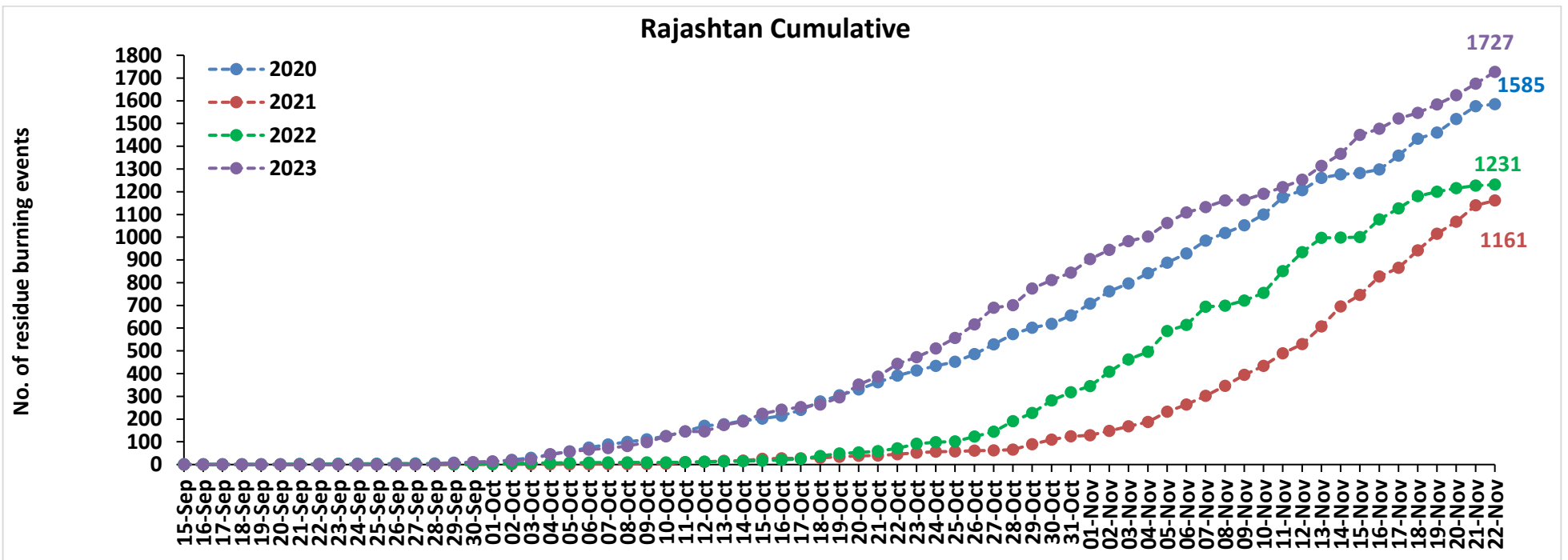
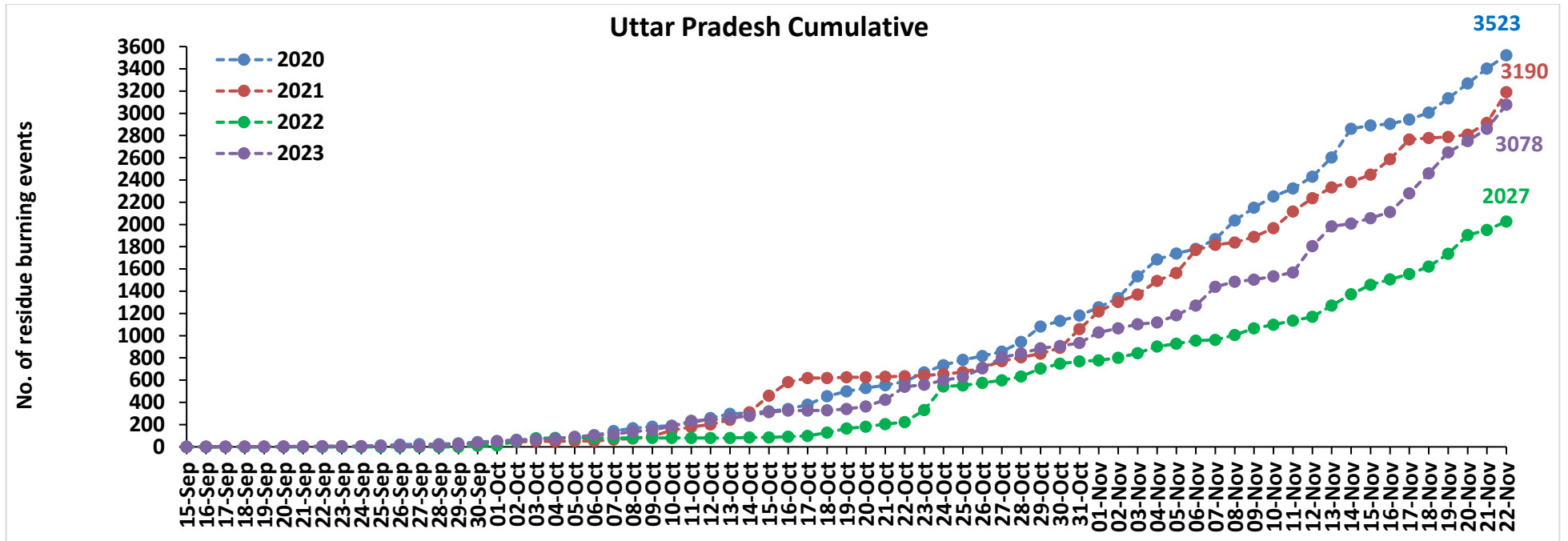


# Delhi

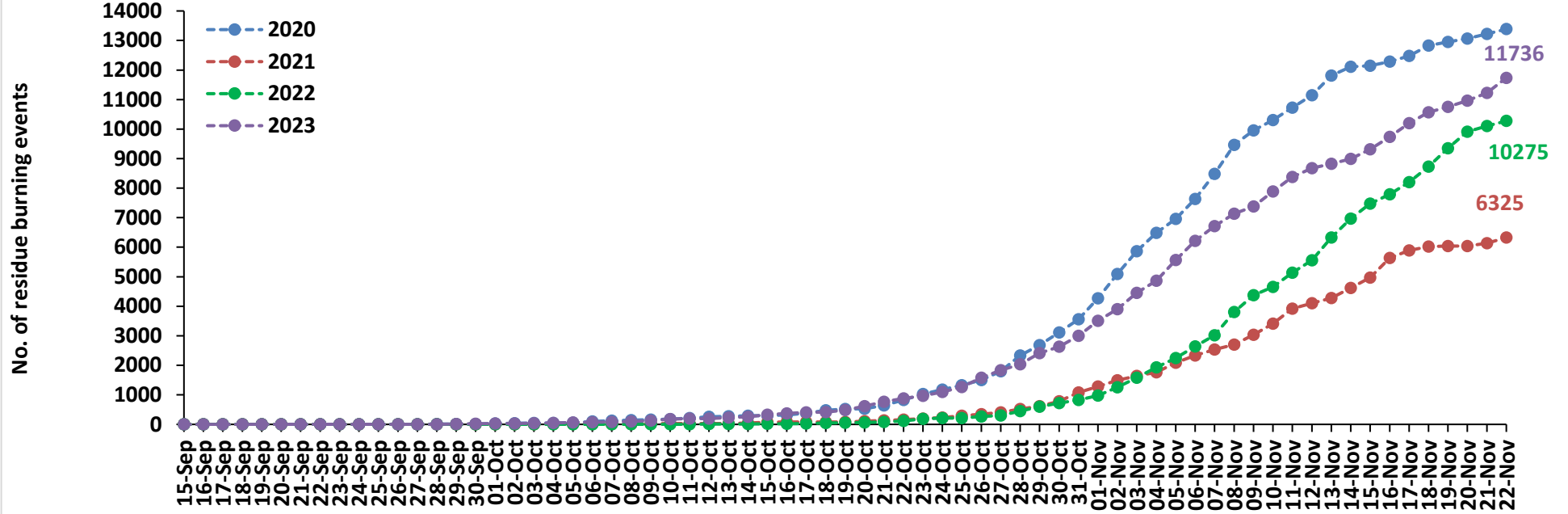


**Comparison of residue burning events in current year (2023) with previous years (2020, 2021 and 2022) for the study State**

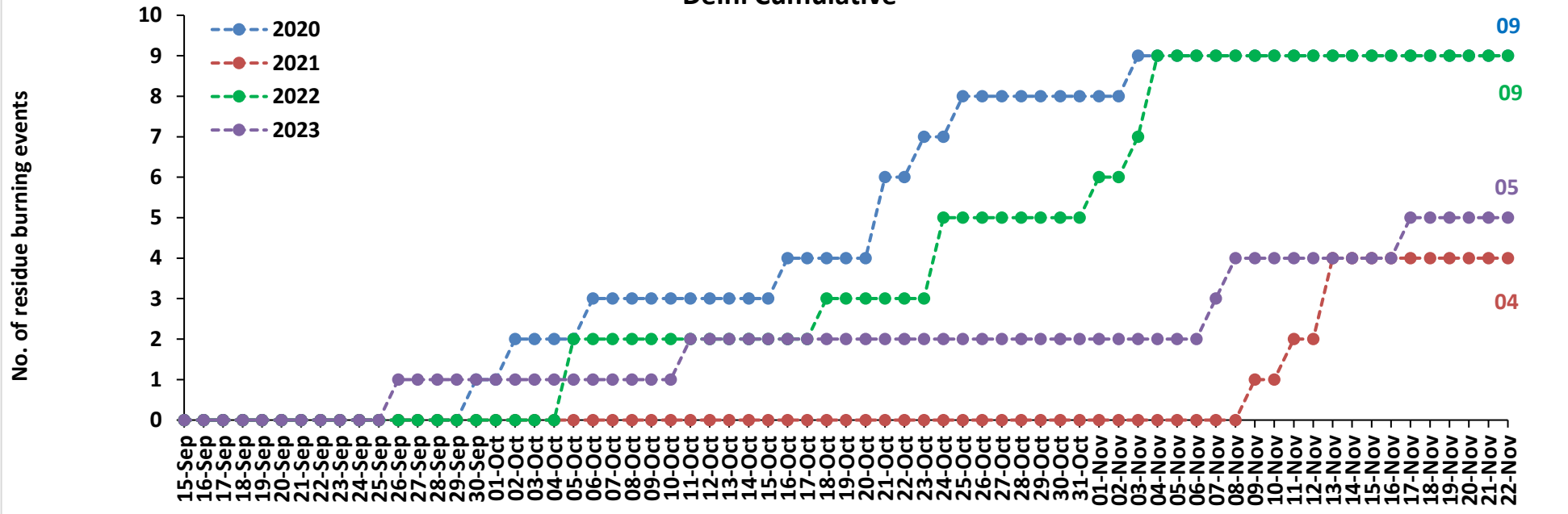




### Madhya Pradesh Cumulative

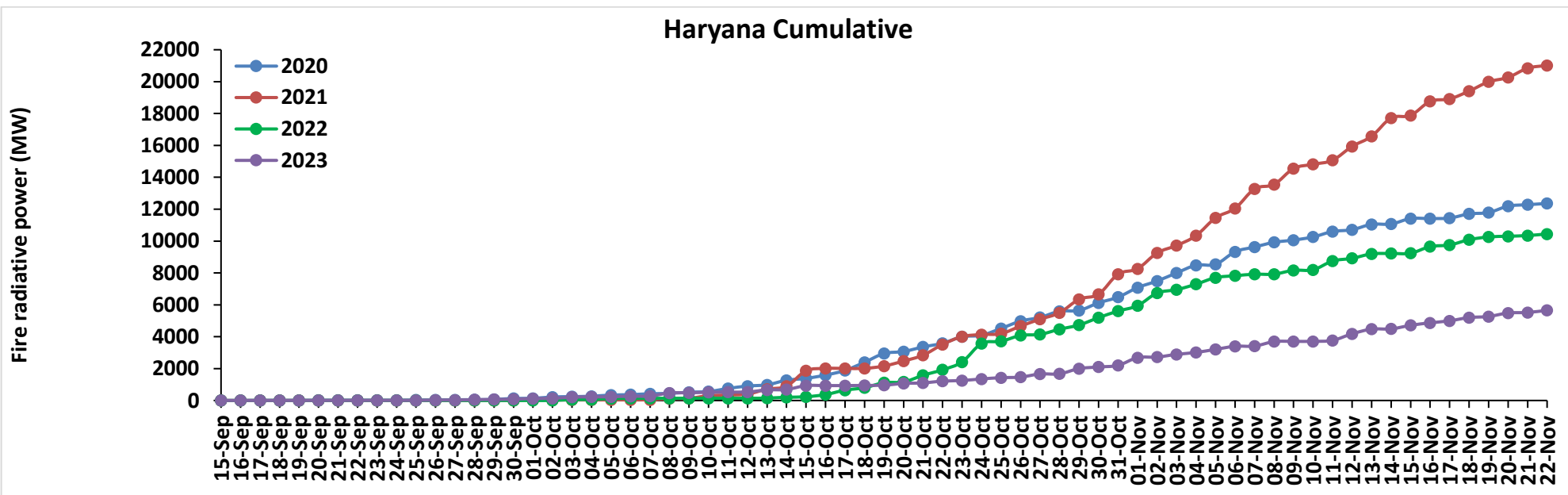
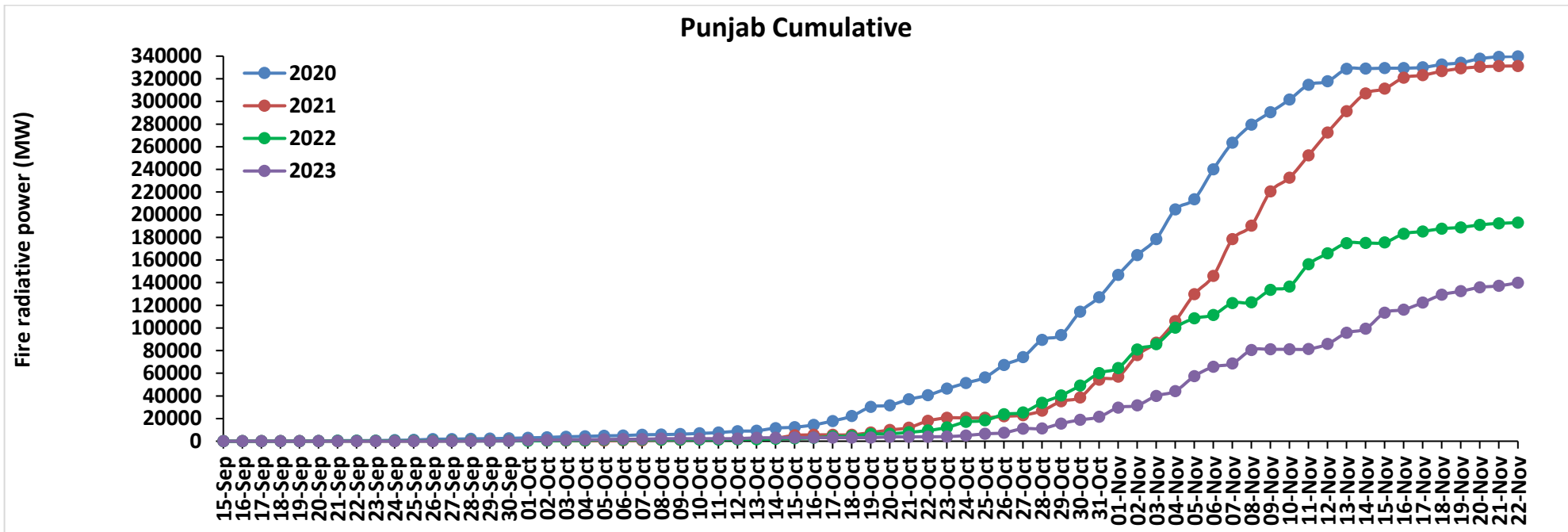


### Delhi Cumulative

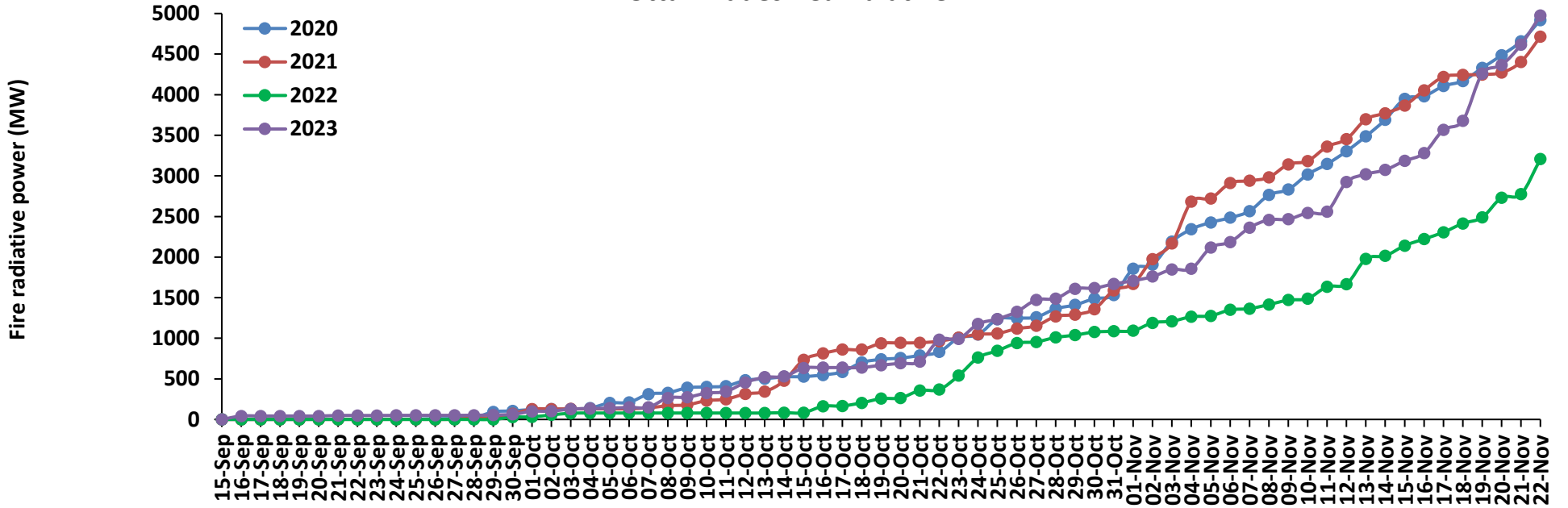




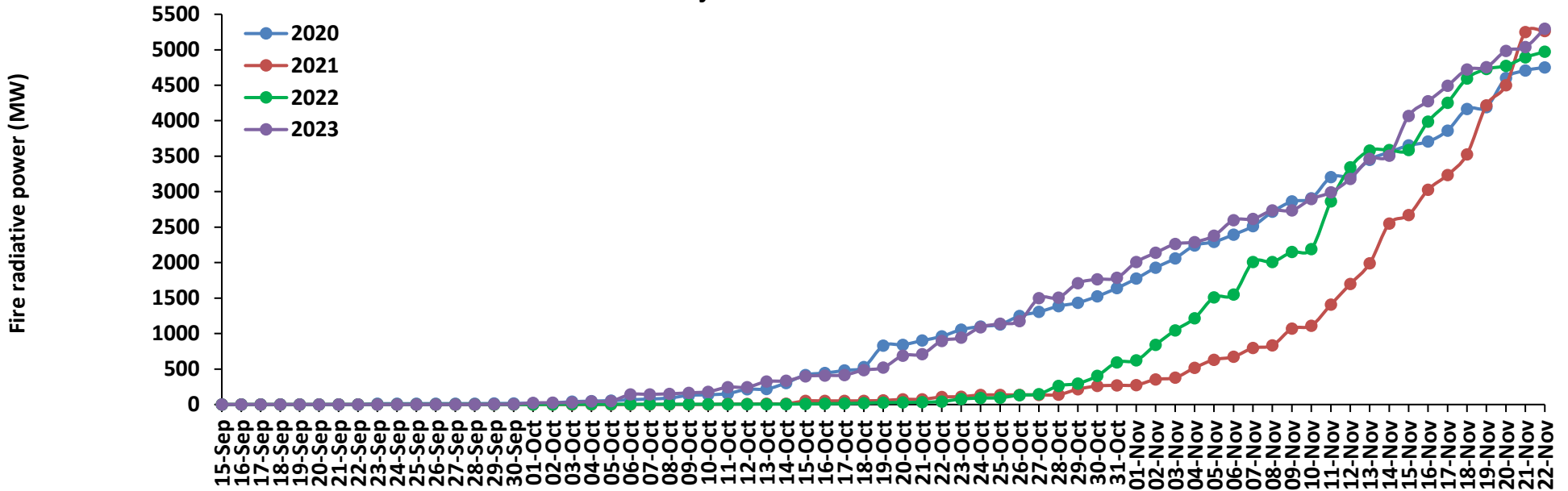
**Comparison of residue burning fire power in current year (2023) with previous years (2020, 2021 and 2022) for the study States**



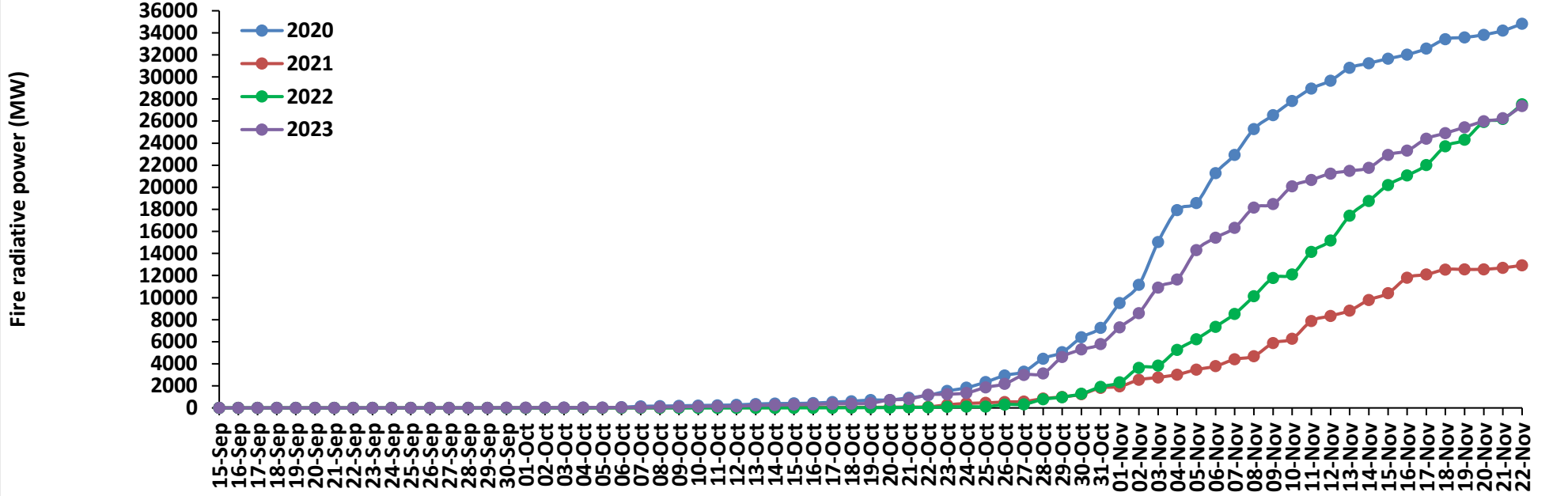
### Uttar Pradesh Cumulative



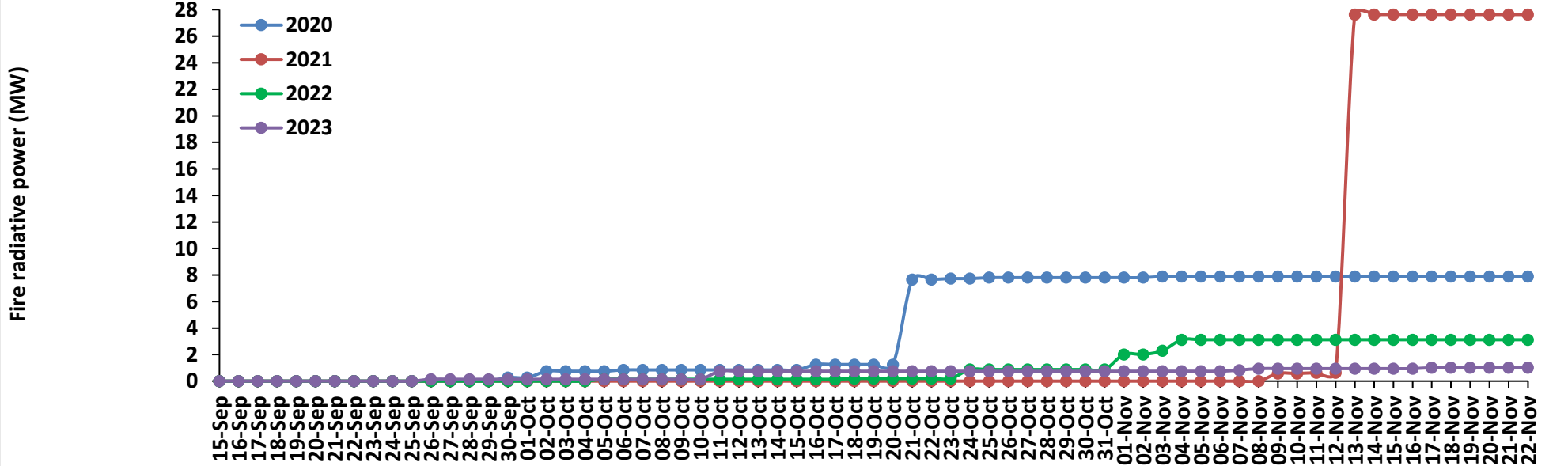
### Rajasthan Cumulative



### Madhya Pradesh Cumulative

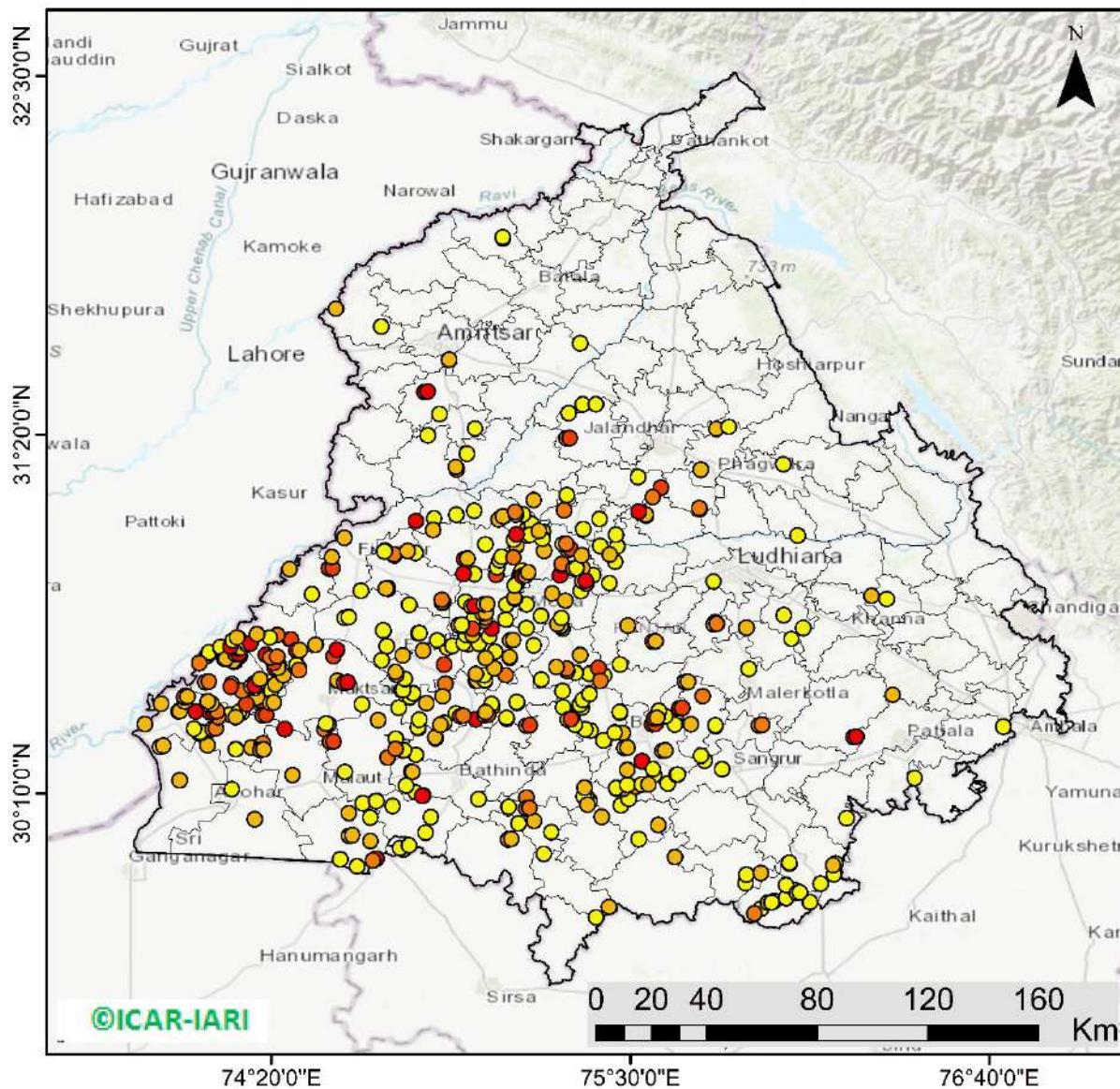


### Delhi Cumulative



# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**512** burning events detected in Punjab during (22nd Nov 2023)

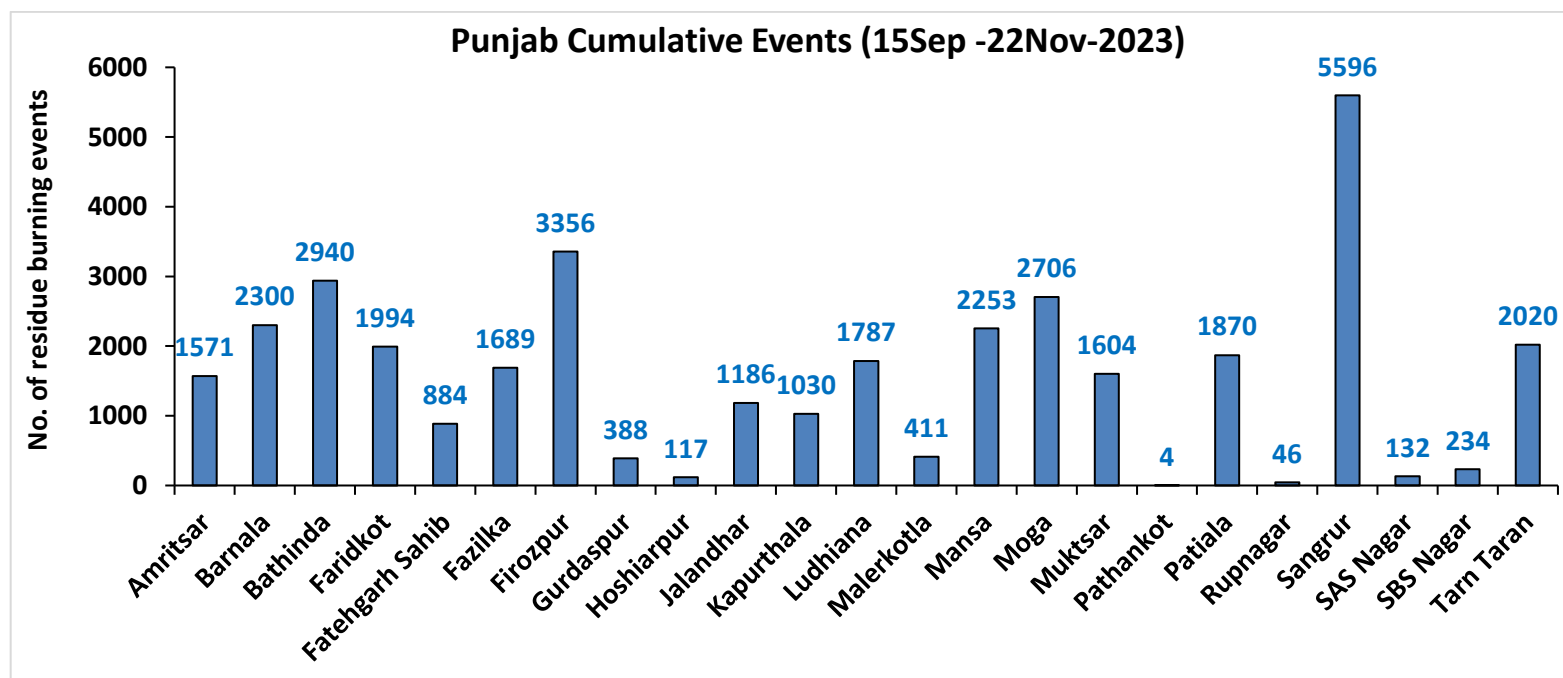
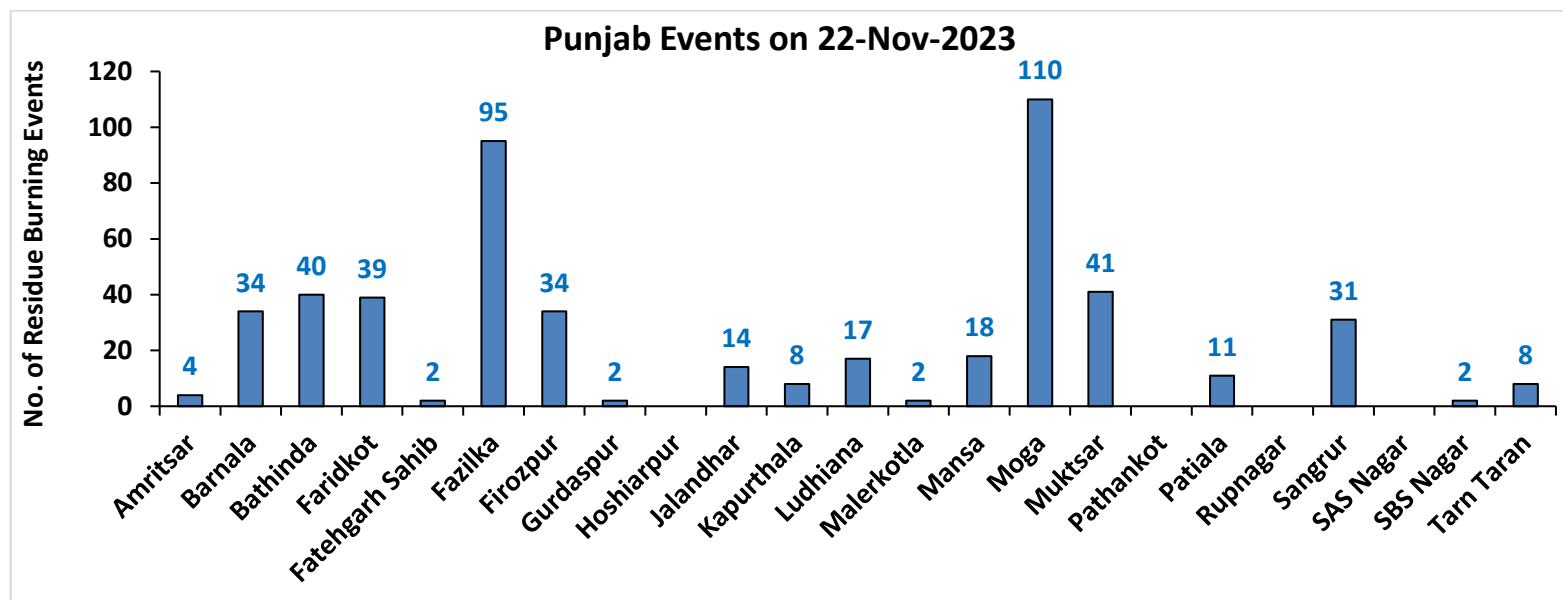
### Fire Intensity (W/m<sup>2</sup>)

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



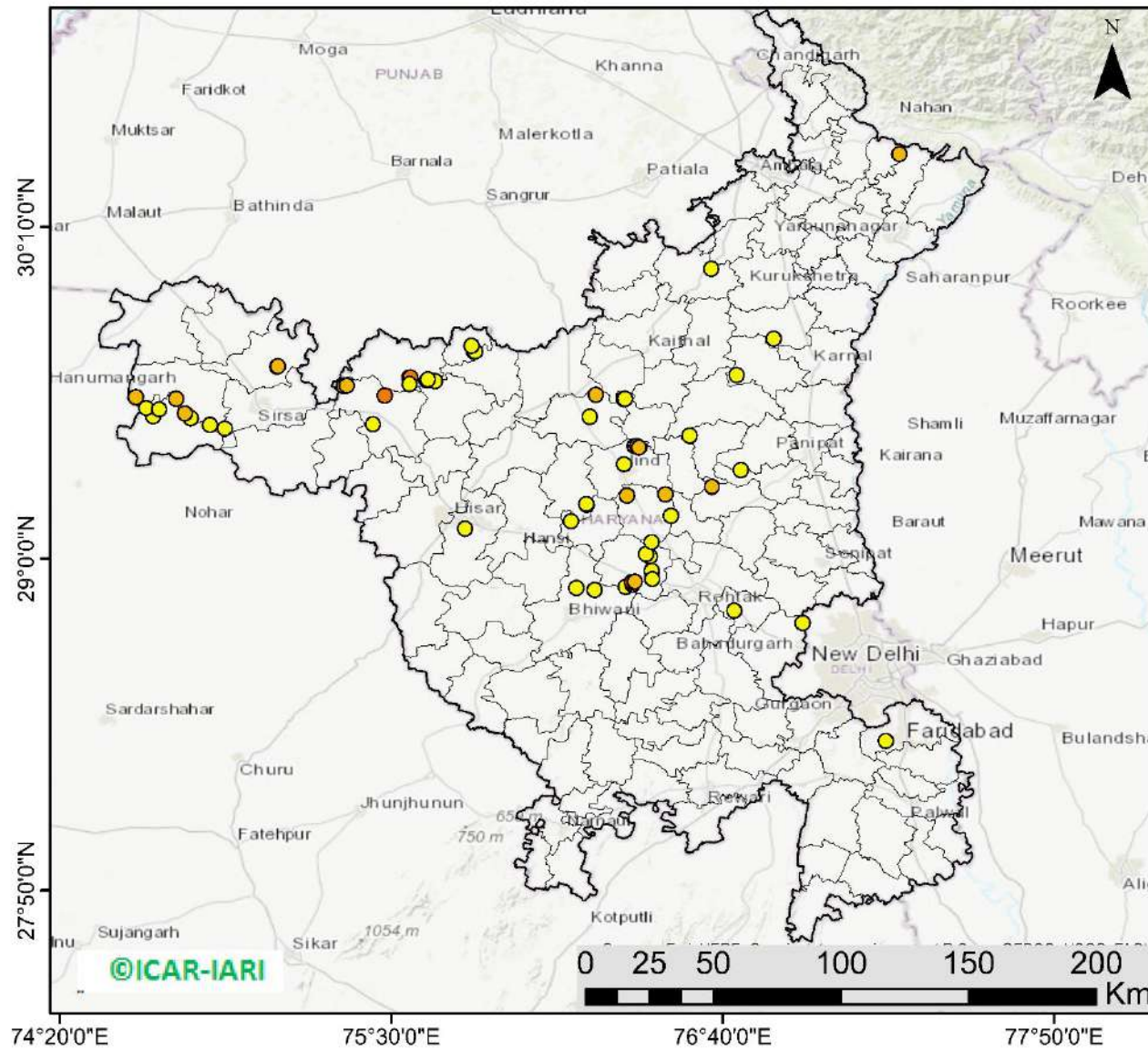
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Punjab (15Sep- 22Nov-2023)



# Haryana

## RICE RESIDUE BURNING IN HARYANA



**62** burning events detected in Haryana on (22nd Nov 2023)

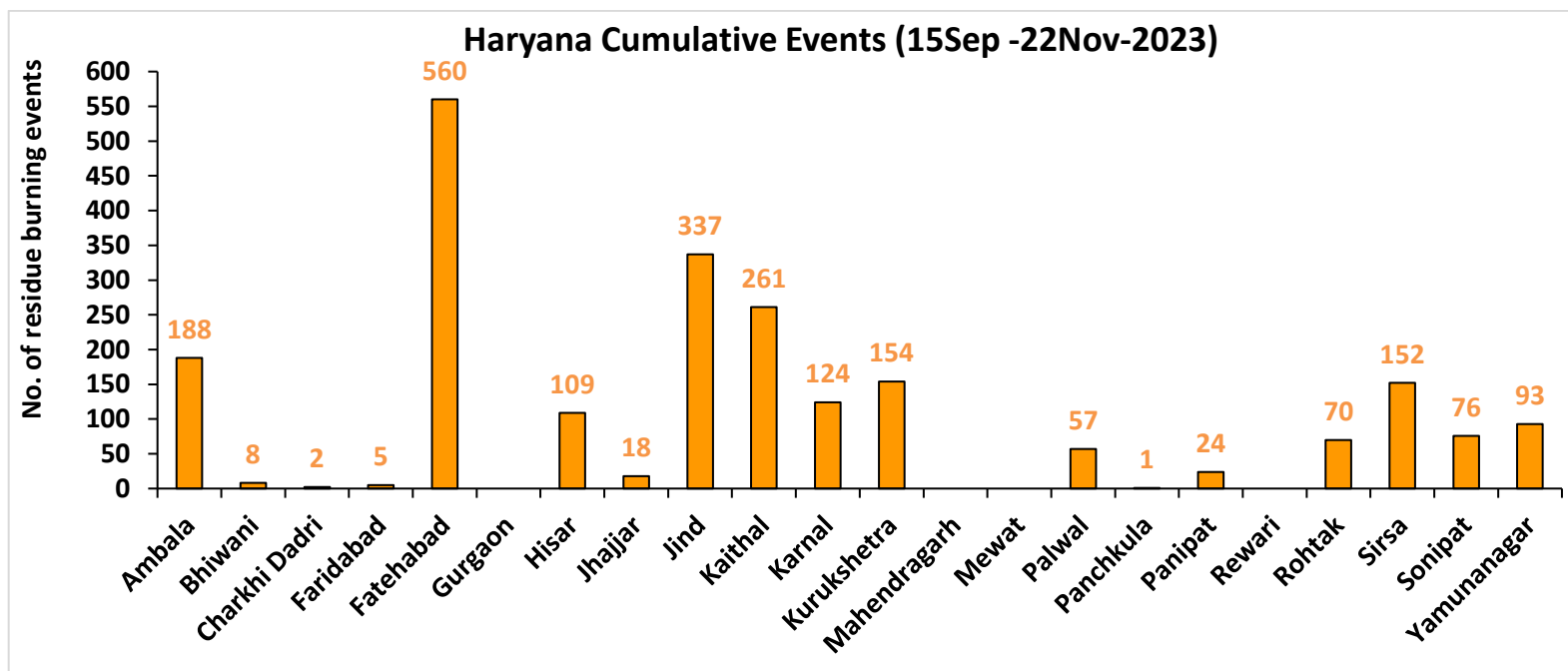
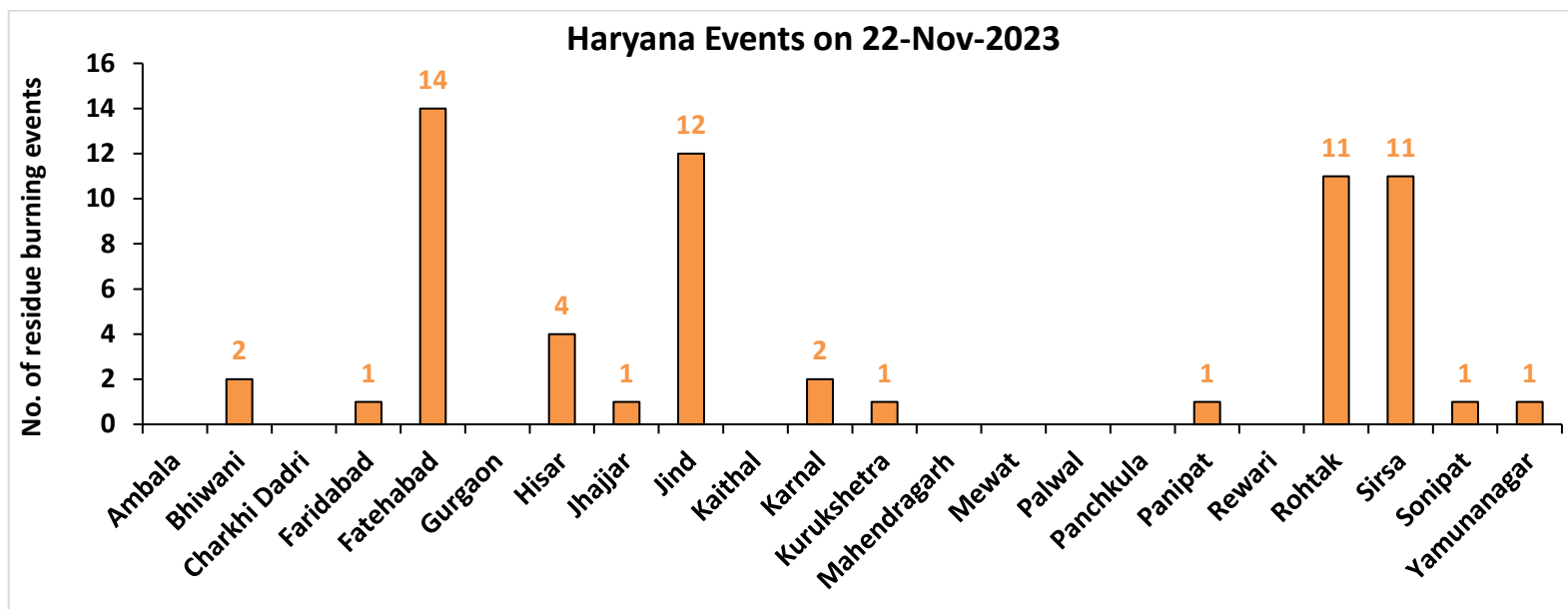
### Fire Intensity (W/m<sup>2</sup>)

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



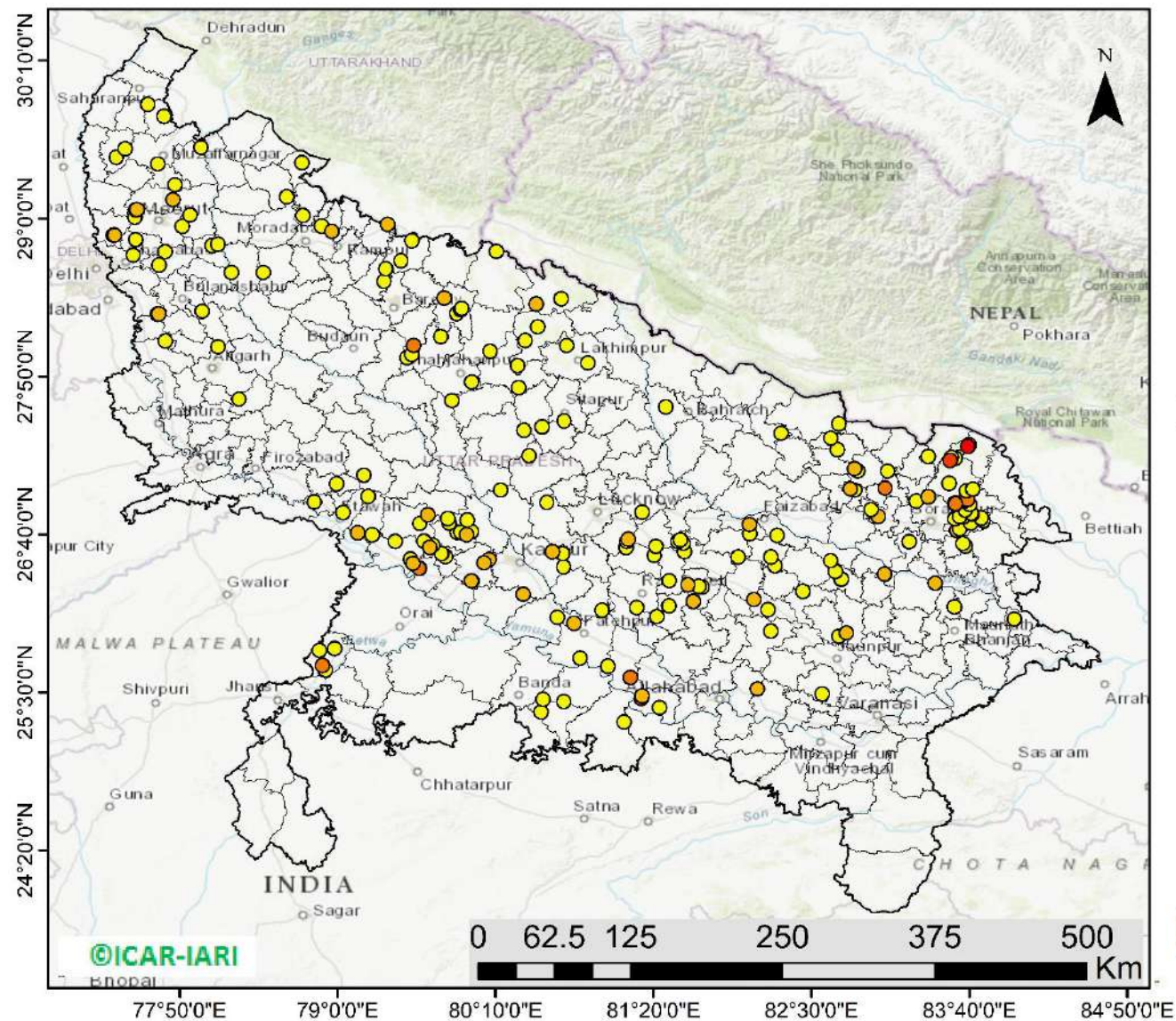
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Haryana (15Sep- 22Nov-2023)



## Uttar Pradesh

### RICE RESIDUE BURNING IN UTTAR PRADESH



**217** burning events  
detected in Uttar Pradesh on  
(22nd Nov 2023)

#### Fire Intensity ( $W/m^2$ )

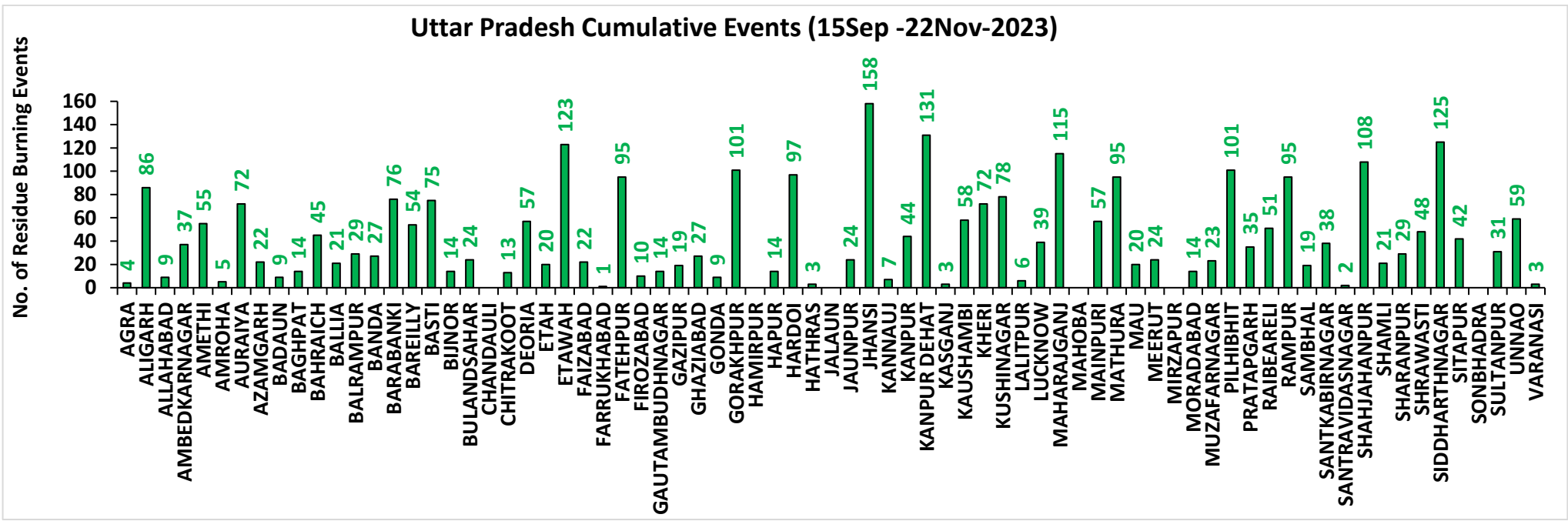
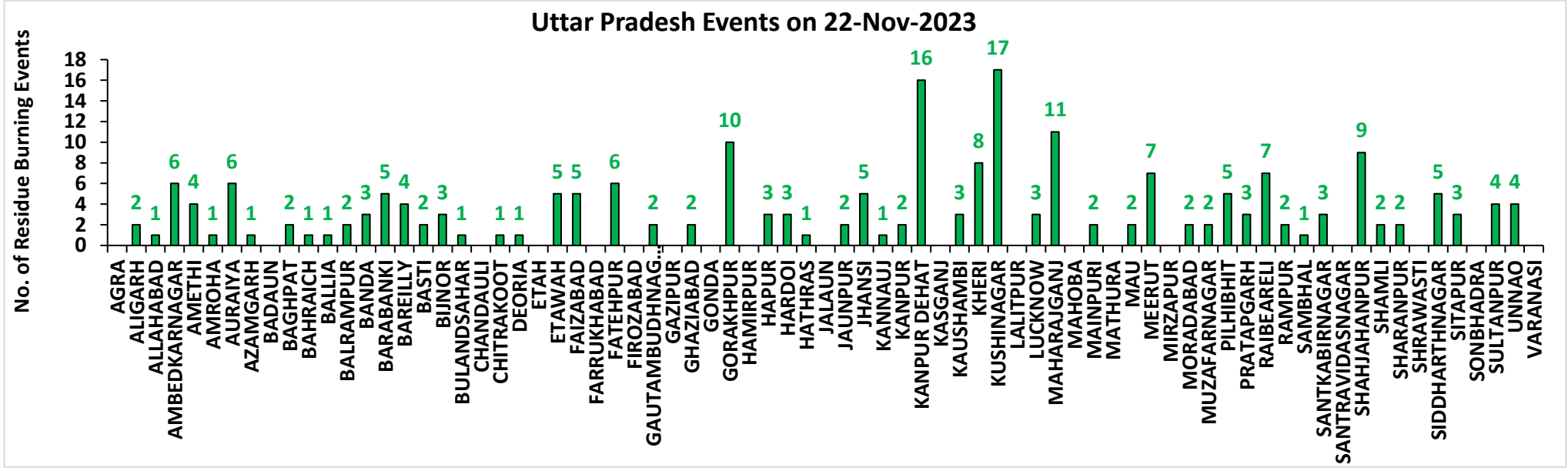
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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

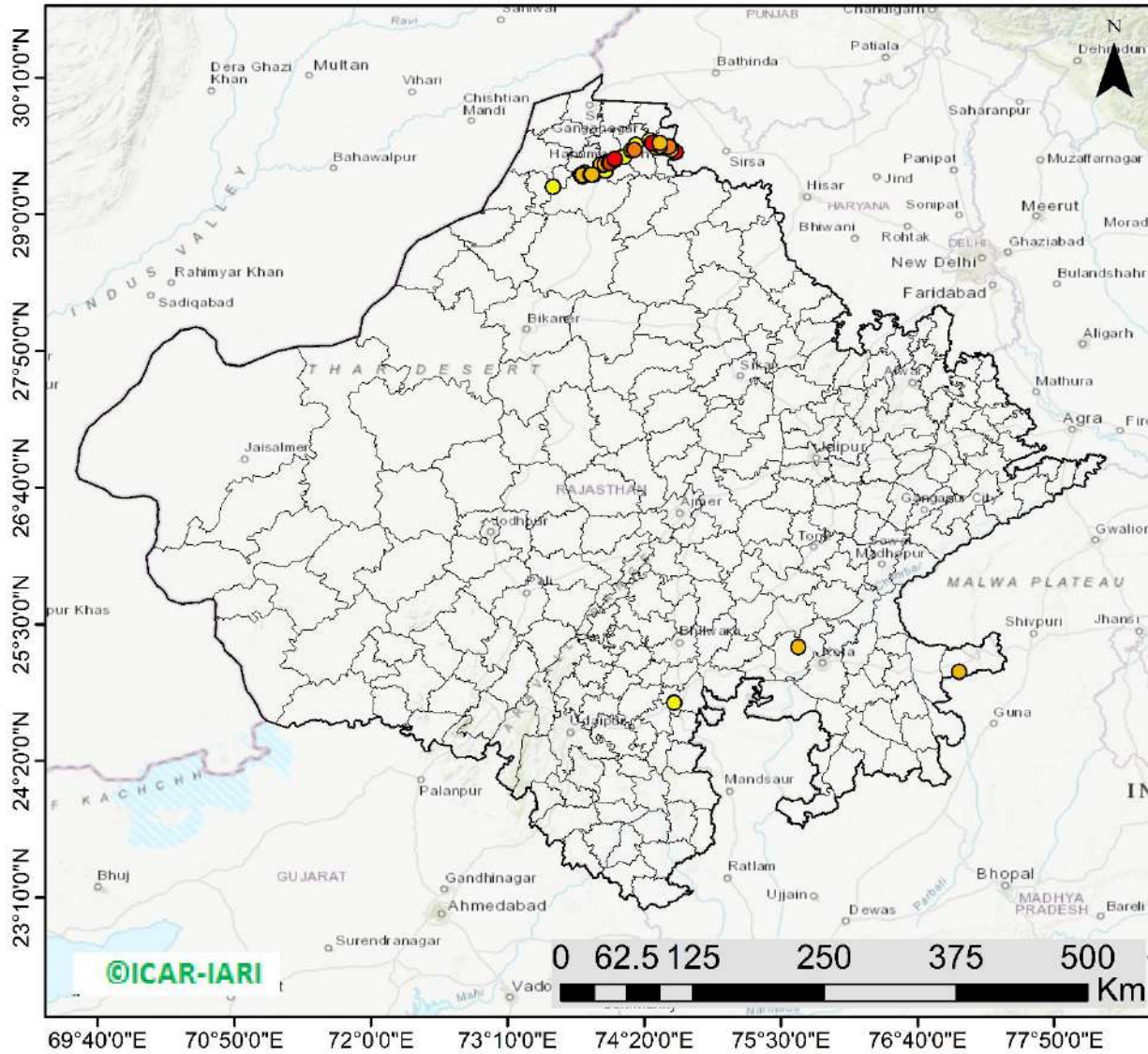


## District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-22Nov -2023)



# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**52** burning events  
detected in Rajasthan on  
(22nd Nov 2023)

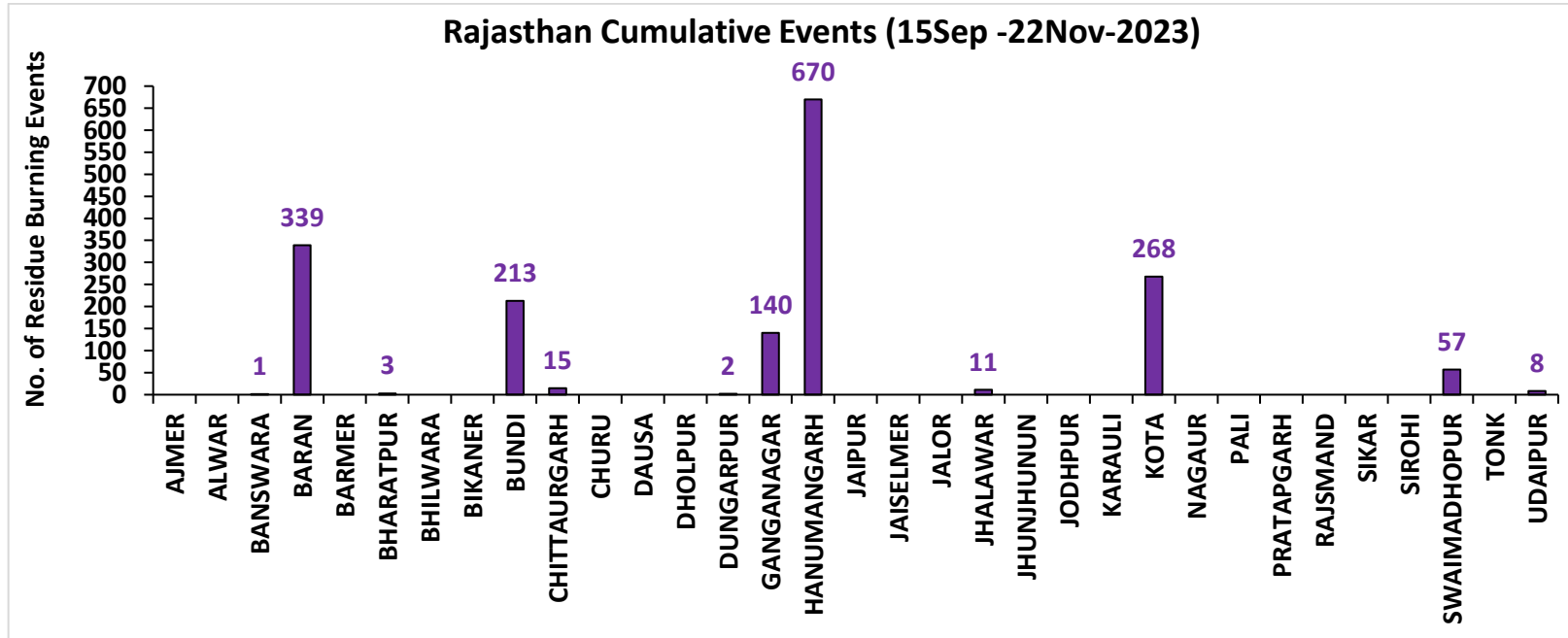
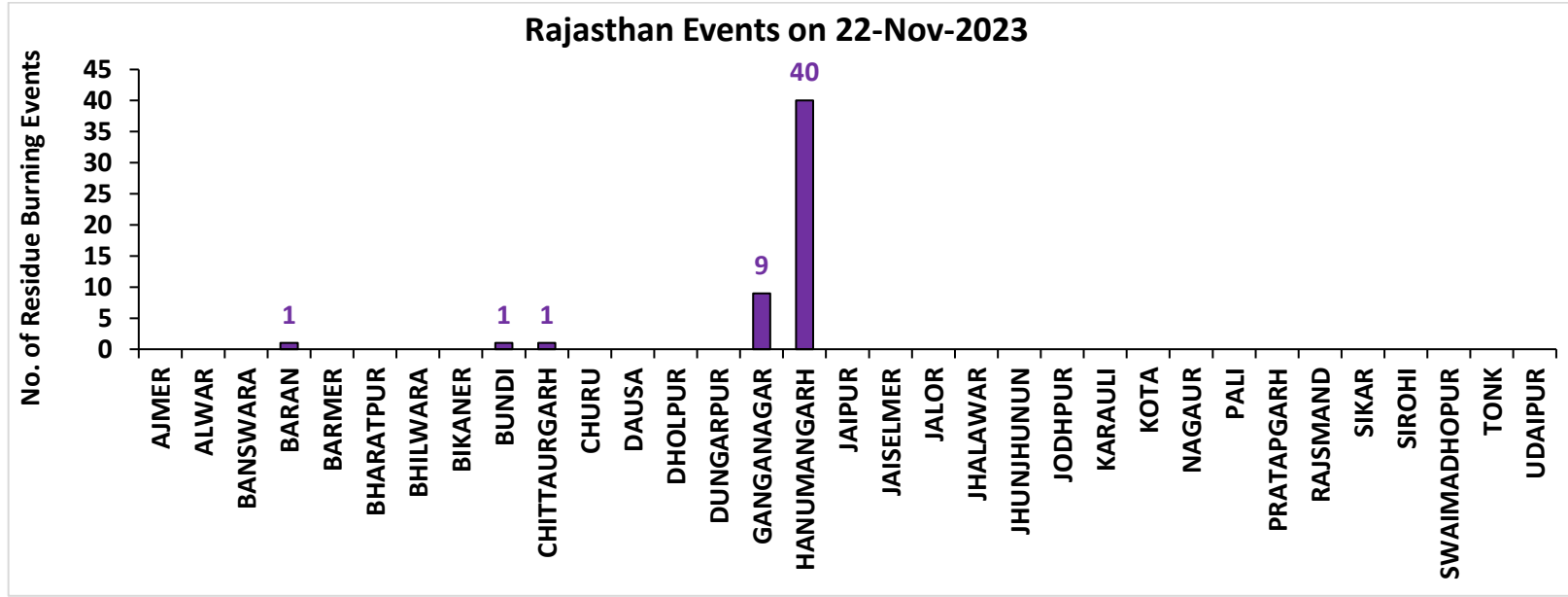
### Fire Intensity (W/m<sup>2</sup>)

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



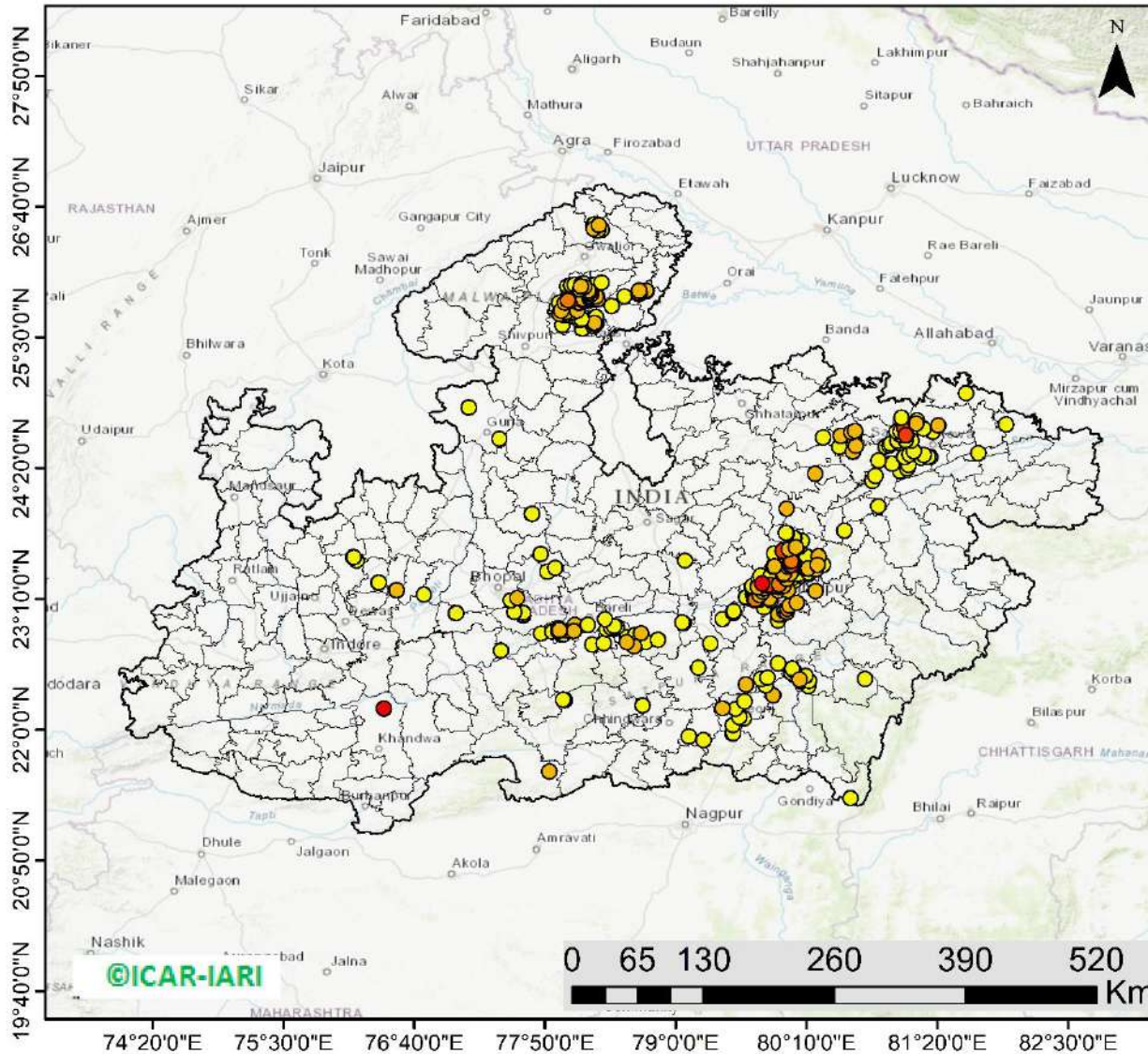
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Rajasthan (15Sep-22Nov -2023)



## Madhya Pradesh

### RICE RESIDUE BURNING IN MADHYA PRADESH



**510** burning events  
detected in MP on  
(22nd Nov 2023)

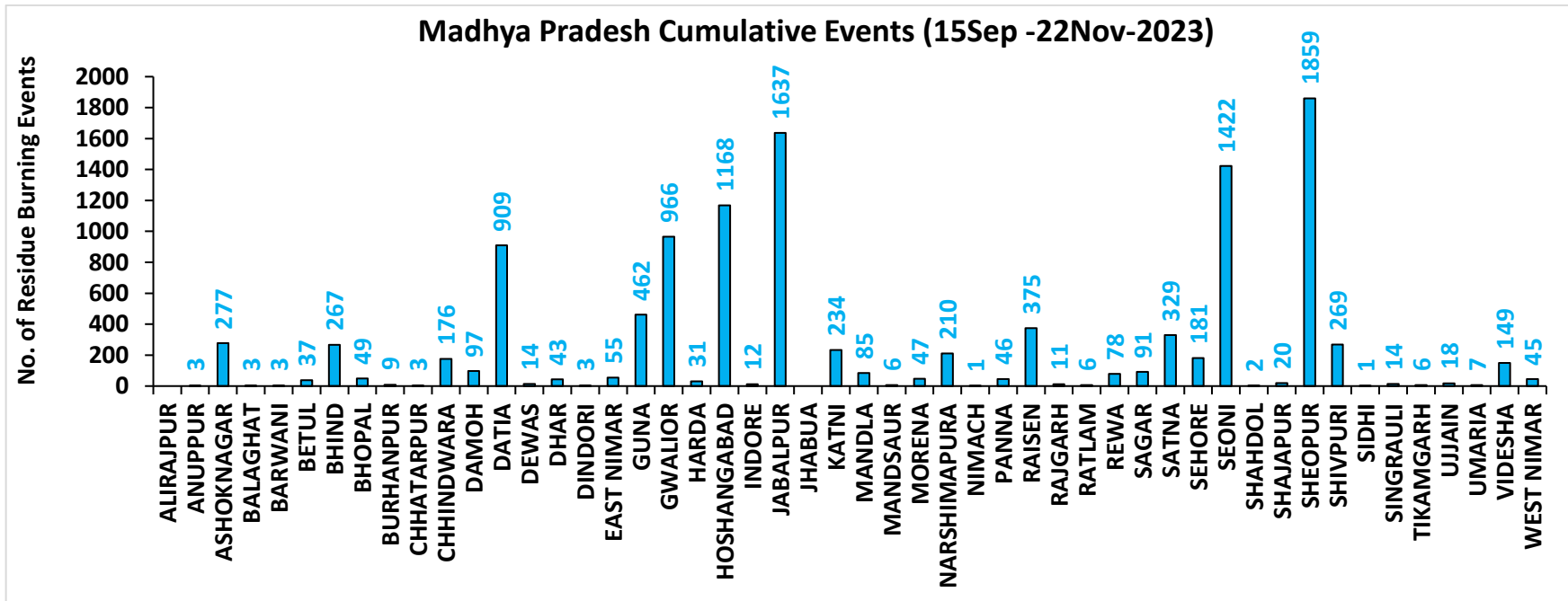
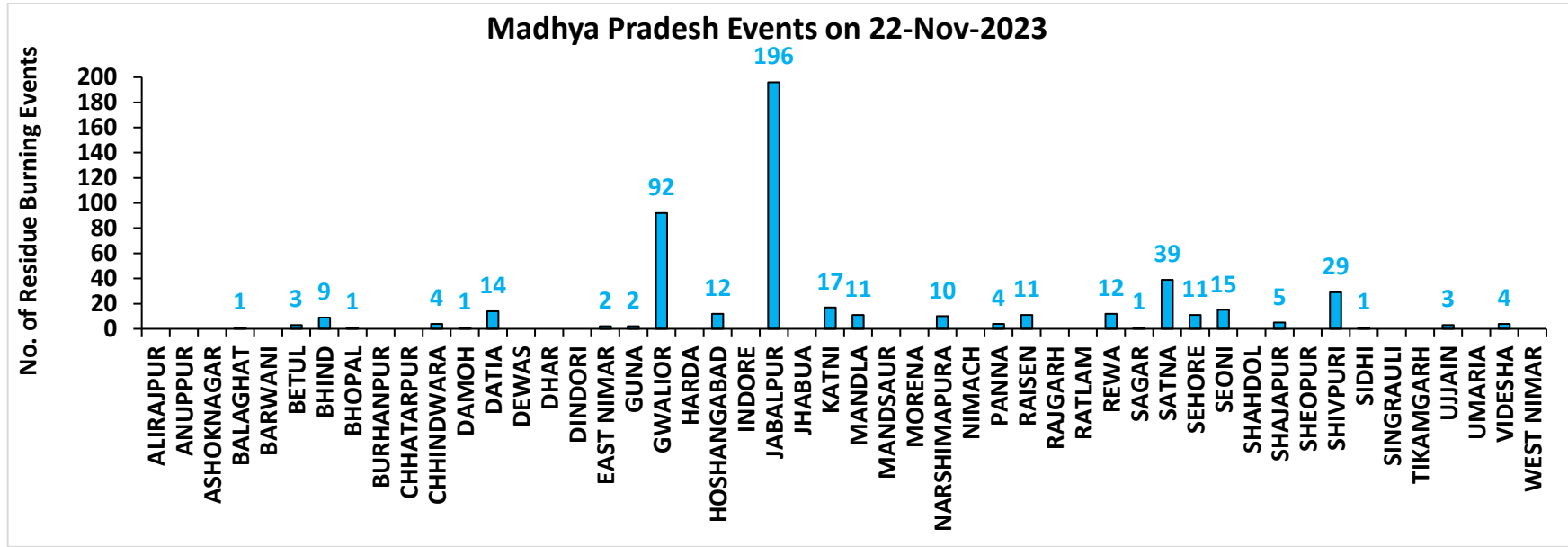
#### Fire Intensity (W/m<sup>2</sup>)

- 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 (15Sep-22Nov -2023)



**District-wise cumulative number of residues burning events detected in 2020, 2021, 2022 and 2023**  
**(Period: 15 September-22 November)**

**(a) Punjab**

District	15 Sep-22 Nov			
	2020	2021	2022	2023
Amritsar	3059	2170	1539	1571
Barnala	5325	4323	2905	2300
Bathinda	5224	4466	4561	2940
Faridkot	4726	3947	2683	1994
Fatehgarh Sahib	1535	1718	1145	884
Fazilka	2517	2354	2534	1689
Firozpur	8507	6277	4540	3356
Gurdaspur	2122	1391	841	388
Hoshiarpur	386	328	256	117
Jalandhar	1938	2543	1378	1186
Kapurthala	1882	1796	1275	1030
Ludhiana	5052	5807	2668	1787
Malerkotla*	--	--	--	411
Mansa	3774	3197	2801	2253
Moga	7383	6504	3592	2706
Muktsar	4986	4543	3781	1604
Pathankot	13	6	1	4
Patiala	6431	5415	3392	1870
Rupnagar	205	307	245	46
Sangrur#	11724	9381	5914	5596
SAS NAGAR	127	147	103	132
SBS Nagar	131	353	270	234
Tarn Taran	5603	4117	3180	2020
<b>Total</b>	<b>82650</b>	<b>71090</b>	<b>49604</b>	<b>36118</b>

**(b) Haryana**

District	15 Sep-22 Nov			
	2020	2021	2022	2023
AMBALA	346	301	222	188
BHIWANI	4	10	7	8
CHARKHI DADRI	0	0	1	2
FARIDABAD	1	3	1	5
FATEHABAD	819	1445	749	560
GURGAON	0	0	0	0
HISAR	51	208	104	109
JHAJJAR	6	7	6	18
JIND	340	884	517	337
KAITHAL	835	1151	637	261
KARNAL	581	952	297	124
KURUKSHETRA	406	538	299	154
MAHENDRAGARH	0	0	0	0
MEWAT	0	0	0	0
PALWAL	46	114	51	57
PANCHKULA	0	0	0	1
PANIPAT	49	234	79	24
REWARI	0	0	0	0
ROHTAK	48	59	47	70
SIRSA	221	484	278	152
SONIPAT	69	197	82	76
YAMUNANAGAR	142	146	145	93
<b>Total</b>	<b>3964</b>	<b>6733</b>	<b>3522</b>	<b>2239</b>

\*Malerkotla events are included in Sangrur events in 2020, 2021, 2022.

# Sangrur events in 2023 do not include Malerkotla events.

(c) Uttar Pradesh

District	15 Sep-22 Nov													
	2020	2021	2022	2023	GAUTAMBUDHNAGAR	14	19	10	14	MUZAFARNAGAR	40	16	12	23
AGRA	7	0	0	4	GAZIPUR	15	18	15	19	PILHIBHIT	17	209	140	101
ALIGARH	112	39	42	86	GHAZIABAD	25	12	6	27	PRATAPGARH	37	32	19	35
ALLAHABAD	28	15	11	9	GONDA	12	9	1	9	RAIBEARELI	29	58	29	51
AMBEDKARNAGAR	20	18	20	37	GORAKHPUR	41	21	24	101	RAMPUR	159	186	102	95
AMETHI	3	15	12	55	HAMIRPUR	5	0	0	0	SAMBHAL	18	16	12	19
AMROHA	11	7	4	5	HAPUR	26	11	4	14	SANTKABIRNAGAR	28	19	8	38
AURAIYA	78	61	39	72	HARDOI	95	99	66	97	SANTRAVIDASNAGAR	4	1	4	2
AZAMGARH	45	13	12	22	HATHRAS	0	0	1	3	SHAHJAHANPUR	135	400	297	108
BADAUN	13	16	4	9	JALAUN	41	0	0	0	SHAMLI	46	37	9	21
BAGHPAT	16	12	9	14	JAUNPUR	40	22	17	24	SHARANPUR	93	69	17	29
BAHRAICH	105	56	21	45	JHANSI	296	96	96	158	SHRAWASTI	45	42	17	48
BALLIA	90	36	31	21	KANNAUJ	33	6	3	7	SIDDHARTHANAGAR	73	122	32	125
BALRAMPUR	67	20	11	29	KANPUR	29	31	23	44	SITAPUR	54	46	24	42
BANDA	22	6	10	27	KANPUR DEHAT	76	43	45	131	SONBHADRA	0	0	0	0
BARABANKI	35	64	55	76	KASGANJ	2	2	1	3	SULTANPUR	5	18	20	31
BAREILLY	74	60	47	54	KAUSHAMBI	61	71	32	58	UNNAO	42	27	31	59
BASTI	54	46	9	75	KHERI	150	158	131	72	VARANASI	2	5	0	3
BIJNOR	39	37	8	14	KUSHINAGAR	72	22	27	78	<b>Total</b>	<b>3523</b>	<b>3190</b>	<b>2027</b>	<b>3078</b>
BULANDSAHAR	53	8	15	24	LALITPUR	3	6	3	6					
CHANDAULI	3	4	0	0	LUCKNOW	35	33	14	39					
CHITRAKOOT	12	9	9	13	MAHARAJGANJ	51	99	88	115					
DEORIA	81	20	29	57	MAHOBA	27	0	0	0					
ETAH	17	10	5	20	MAINPURI	63	49	33	57					
ETAWAH	69	81	47	123	MATHURA	160	239	30	95					
FAIZABAD	9	7	4	22	MAU	24	13	6	20					
FARRUKHABAD	6	4	1	1	MEERUT	59	22	26	24					
FATEHPUR	113	85	80	95	MIRZAPUR	7	10	2	0					
FIROZABAD	26	17	9	10	MORADABAD	26	10	6	14					

**(d) Delhi**

District	15 Sep-22 Nov			
	2020	2021	2022	2023
CENTRAL	0	0	0	0
EAST	0	0	0	0
NEW DELHI	0	0	0	0
NORTH	3	3	8	5
NORTH EAST	0	0	0	0
NORTH WEST DELHI	3	1	0	0
SHAHADRA	0	0	0	0
SOUTH	1	0	0	0
SOUTH EAST	0	0	0	0
SOUTH WEST DELHI	0	0	0	0
WEST DELHI	2	0	1	0
<b>Total</b>	<b>9</b>	<b>4</b>	<b>9</b>	<b>5</b>

**(e) Rajasthan**

District	15 Sep-22 Nov			
	2020	2021	2022	2023
AJMER	3	0	0	0
ALWAR	9	0	0	0
BANSWARA	0	0	0	1
BARAN	167	11	74	339
BARMER	4	0	0	0
BHARATPUR	2	3	1	3
BHILWARA	11	0	0	0
BIKANER	1	0	0	0
BUNDI	128	84	180	213
CHITTAURGARH	1	13	8	15
CHURU	0	0	0	0
DAUSA	1	0	0	0
DHOLPUR	0	0	0	0
DUNGARPUR	0	0	2	2
GANGANAGAR	182	129	101	140
HANUMANGARH	838	829	659	670
JAIPUR	4	0	0	0
JAISELMER	5	0	0	0
JALOR	2	0	0	0
JHALAWAR	9	1	10	11
JHUNJHUNUN	1	0	0	0
JODHPUR	5	0	0	0
KARAULI	1	0	0	0
KOTA	116	56	141	268
NAGAU	3	0	0	0
PALI	9	0	0	0
PRATAPGARH	8	0	0	0
RAJSMAND	1	0	0	0
SIKAR	0	0	0	0
SIROHI	2	0	0	0
SWAIMADHOPUR	65	34	55	57
TONK	5	0	0	0
UDAIPUR	2	1	0	8
<b>Total</b>	<b>1585</b>	<b>1161</b>	<b>1231</b>	<b>1727</b>



**(f) Madhya Pradesh**

District	15 Sep-22 Nov								
	2020	2021	2022	2023					
					PANNA	49	20	29	46
ALIRAJPUR	0	0	0	0	RAISEN	590	294	370	375
ANUPPUR	0	2	4	3	RAJGARH	10	3	5	11
ASHOKNAGAR	153	89	184	277	RATLAM	10	5	3	6
BALAGHAT	5	4	2	3	REWA	127	71	65	78
BARWANI	3	0	0	3	SAGAR	28	30	54	91
BETUL	36	14	17	37	SATNA	548	367	338	329
BHIND	253	139	200	267	SEHORE	151	138	199	181
BHOPAL	49	35	36	49	SEONI	1228	882	1098	1422
BURHANPUR	15	1	3	9	SHAHDOL	3	0	1	2
CHHATARPUR	7	0	2	3	SHAJAPUR	18	0	0	20
CHHINDWARA	127	54	99	176	SHEOPUR	1832	938	1796	1859
DAMOH	75	51	66	97	SHIVPURI	357	53	240	269
DATIA	1183	458	831	909	SIDHI	4	2	1	1
DEWAS	8	0	0	14	SINGRAULI	0	6	3	14
DHAR	43	0	0	43	TIKAMGARH	4	0	1	6
DINDORI	0	0	1	3	UJJAIN	12	0	0	18
EAST NIMAR	22	7	11	55	UMARIA	7	5	10	7
GUNA	67	10	118	462	VIDESHA	135	92	83	149
GWALIOR	1985	395	1509	966	WEST NIMAR	65	10	14	45
HARDA	14	21	10	31	<b>Total</b>	<b>13385</b>	<b>6325</b>	<b>10275</b>	<b>11736</b>
HOSHANGABAD	1057	1061	1090	1168					
INDORE	4	0	0	12					
JABALPUR	2302	712	1233	1637					
JHABUA	0	0	0	0					
KATNI	308	84	169	234					
MANDLA	141	95	123	85					
MANDSAUR	13	0	0	6					
MORENA	62	37	25	47					
NARSHIMAPURA	273	140	232	210					
NIMACH	2	0	0	1					

**State-wise and date-wise number of paddy residue burning events detected in 2020, 2021, 2022 and 2023**  
**(Period: 15 September-22 November)**

**Number of Paddy Residue Burning Events Detected**

Date	Punjab				Haryana				Uttar Pradesh			
	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023
15-Sep	5	0	14	0	2	0	0	1	1	0	0	0
16-Sep	0	2	0	6	1	0	0	1	0	0	0	2
17-Sep	5	0	1	0	3	0	0	0	0	0	0	0
18-Sep	17	9	7	0	0	0	1	0	0	1	0	0
19-Sep	30	5	18	0	2	0	0	1	0	1	0	0
20-Sep	67	8	10	0	6	0	0	2	2	0	0	0
21-Sep	54	0	56	1	2	0	0	2	1	0	0	1
22-Sep	34	0	30	0	1	0	0	2	1	0	0	0
23-Sep	49	0	3	1	0	0	0	3	1	0	0	0
24-Sep	78	5	0	0	0	0	0	0	1	1	0	1
25-Sep	184	11	0	0	11	0	0	1	5	0	0	1
26-Sep	190	19	0	3	5	0	0	2	8	0	0	0
27-Sep	78	37	0	21	8	0	0	9	4	1	0	0
28-Sep	55	28	0	33	6	1	0	8	1	6	0	4
29-Sep	63	64	0	68	9	4	0	17	6	10	0	6
30-Sep	116	27	8	81	22	2	0	26	13	13	10	18
01-Oct	165	13	45	123	15	4	1	21	7	13	3	17
02-Oct	141	0	83	119	30	2	7	24	12	0	36	7
03-Oct	110	9	75	105	8	6	8	17	4	3	29	8
04-Oct	162	23	65	95	29	2	7	29	8	0	2	9
05-Oct	161	18	130	98	17	3	24	24	14	2	0	14
06-Oct	171	42	85	91	30	0	26	19	12	1	0	18
07-Oct	197	72	62	32	32	11	6	13	41	13	0	5
08-Oct	95	108	19	92	29	27	0	55	25	11	0	27
09-Oct	121	114	3	58	20	39	1	14	15	20	0	13
10-Oct	232	150	4	10	33	95	2	28	9	54	0	34
11-Oct	377	64	45	26	90	51	0	21	23	28	0	50

<b>12-Oct</b>	388	97	104	13	69	51	4	5	46	23	0	5
<b>13-Oct</b>	266	132	120	154	47	91	15	29	36	42	0	19
<b>14-Oct</b>	605	229	82	89	69	98	30	41	9	68	5	18
<b>15-Oct</b>	449	660	169	69	106	363	36	127	15	149	0	35
<b>16-Oct</b>	654	429	206	0	80	176	76	4	21	121	6	14
<b>17-Oct</b>	1172	14	403	1	143	0	86	0	38	39	7	0
<b>18-Oct</b>	938	57	342	18	166	1	134	8	76	0	30	2
<b>19-Oct</b>	1080	496	436	37	72	55	122	16	43	5	36	11
<b>20-Oct</b>	890	788	96	174	62	155	78	51	31	1	17	25
<b>21-Oct</b>	1392	597	393	146	101	131	107	68	25	5	23	59
<b>22-Oct</b>	1665	1111	582	30	128	140	122	25	32	3	18	117
<b>23-Oct</b>	1438	620	902	152	106	218	217	29	84	8	109	20
<b>24-Oct</b>	911	0	1019	360	57	38	250	70	63	11	212	38
<b>25-Oct</b>	1416	76	181	398	155	71	12	58	50	18	9	30
<b>26-Oct</b>	2126	329	1238	589	77	175	123	67	33	41	23	78
<b>27-Oct</b>	2563	279	1111	766	96	93	83	67	40	58	23	97
<b>28-Oct</b>	3232	906	2067	127	139	149	123	14	87	35	34	36
<b>29-Oct</b>	1624	1353	1898	1068	52	161	112	75	139	32	73	48
<b>30-Oct</b>	3946	1373	1761	1030	100	148	112	52	50	53	43	19
<b>31-Oct</b>	3531	2895	2131	1389	108	353	70	51	49	170	20	28
<b>01-Nov</b>	3835	1796	1842	1921	151	124	88	99	74	157	9	95
<b>02-Nov</b>	4098	3001	3634	1668	111	203	166	48	82	87	25	37
<b>03-Nov</b>	2818	2512	2666	1551	93	197	128	28	197	66	40	36
<b>04-Nov</b>	4584	3032	2437	1360	72	228	63	33	152	123	61	17
<b>05-Nov</b>	4529	5327	2817	3230	66	331	90	109	52	70	24	64
<b>06-Nov</b>	5382	3942	599	2060	151	219	46	65	43	208	28	87
<b>07-Nov</b>	5491	5199	2487	1515	150	182	37	26	86	46	8	169
<b>08-Nov</b>	3674	4397	604	2003	115	138	11	44	169	21	44	47
<b>09-Nov</b>	1718	5079	1778	639	21	217	69	27	115	51	58	17
<b>10-Nov</b>	3127	4008	1893	6	80	184	35	0	101	77	33	30
<b>11-Nov</b>	2822	4156	3916	104	93	126	152	27	71	151	36	35
<b>12-Nov</b>	1989	3403	2467	987	83	127	99	110	108	120	36	238
<b>13-Nov</b>	2441	3742	2175	1624	105	210	132	44	172	95	102	176

<b>14-Nov</b>	307	2541	4	1776	35	195	17	21	258	49	101	26
<b>15-Nov</b>	32	1761	141	2544	31	129	21	62	29	67	84	49
<b>16-Nov</b>	8	1757	1358	1271	0	269	84	46	15	138	48	56
<b>17-Nov</b>	248	523	966	1150	9	101	39	45	38	177	50	168
<b>18-Nov</b>	670	680	701	637	60	111	108	21	62	14	66	180
<b>19-Nov</b>	454	448	426	740	37	132	79	33	129	11	116	188
<b>20-Nov</b>	677	283	368	634	77	127	32	38	134	20	168	102
<b>21-Nov</b>	457	168	243	513	65	178	11	54	135	106	46	110
<b>22-Nov</b>	46	66	78	512	15	91	20	62	120	276	76	217
<b>Total</b>	<b>82650</b>	<b>71090</b>	<b>49604</b>	<b>36118</b>	<b>3964</b>	<b>6733</b>	<b>3522</b>	<b>2239</b>	<b>3523</b>	<b>3190</b>	<b>2027</b>	<b>3078</b>

### Number of Paddy Residue Burning Events Detected

Date	Delhi				Rajasthan				Madhya Pradesh			
	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023
15-Sep	0	0	0	0	1	0	0	0	2	0	0	0
16-Sep	0	0	0	0	0	0	0	0	0	0	0	0
17-Sep	0	0	0	0	0	0	0	0	0	0	0	0
18-Sep	0	0	0	0	0	0	0	0	0	0	0	0
19-Sep	0	0	0	0	0	0	0	0	0	0	0	1
20-Sep	0	0	0	0	0	0	0	0	0	0	0	1
21-Sep	0	0	0	0	1	0	1	0	2	0	0	0
22-Sep	0	0	0	0	0	0	0	0	0	0	0	0
23-Sep	0	0	0	0	1	0	0	0	0	0	0	0
24-Sep	0	0	0	0	0	0	0	0	0	0	0	0
25-Sep	0	0	0	0	1	0	0	0	0	0	0	1
26-Sep	0	0	0	1	1	0	0	0	2	0	0	0
27-Sep	0	0	0	0	0	0	0	0	1	0	0	0
28-Sep	0	0	0	0	0	0	0	0	1	1	0	2
29-Sep	0	0	0	0	3	0	0	6	0	4	0	5
30-Sep	1	0	0	0	1	0	0	4	5	0	0	11
01-Oct	0	0	0	0	4	1	1	4	13	0	1	8
02-Oct	1	0	0	0	7	0	3	4	12	0	1	1
03-Oct	0	0	0	0	9	0	2	5	5	1	5	5

04-Oct	0	0	0	0	15	0	0	22	4	2	0	12
05-Oct	0	0	2	0	14	0	1	11	13	1	0	18
06-Oct	1	0	0	0	16	0	0	9	37	1	0	7
07-Oct	0	0	0	0	14	1	1	7	31	1	0	9
08-Oct	0	0	0	0	11	0	0	9	17	2	0	18
09-Oct	0	0	0	0	12	0	0	17	15	4	0	24
10-Oct	0	0	0	0	14	1	0	26	18	10	0	52
11-Oct	0	0	0	1	21	7	1	21	32	2	0	24
12-Oct	0	0	0	0	24	1	2	1	44	1	1	1
13-Oct	0	0	0	0	7	5	2	28	21	2	7	32
14-Oct	0	0	0	0	16	1	1	15	15	11	1	26
15-Oct	0	0	0	0	9	8	2	34	8	27	2	66
16-Oct	1	0	0	0	12	2	4	18	23	13	2	51
17-Oct	0	0	0	0	26	0	4	12	63	1	11	31
18-Oct	0	0	1	0	37	2	12	11	88	0	15	13
19-Oct	0	0	0	0	27	5	12	31	49	1	12	65
20-Oct	0	0	0	0	26	4	4	57	9	21	7	131
21-Oct	2	0	0	0	32	2	6	34	112	30	18	147
22-Oct	0	0	0	0	29	5	12	57	183	29	31	119
23-Oct	1	0	0	0	23	7	20	29	204	32	70	89
24-Oct	0	0	2	0	20	4	7	38	150	34	26	132
25-Oct	1	0	0	0	18	2	4	47	144	60	0	159
26-Oct	0	0	0	0	34	3	21	59	178	55	57	320
27-Oct	0	0	0	0	42	1	21	73	294	62	38	256
28-Oct	0	0	0	0	45	4	46	12	537	110	143	202
29-Oct	0	0	0	0	29	23	37	73	349	97	151	372
30-Oct	0	0	0	0	17	20	55	37	428	168	119	224
31-Oct	0	0	0	0	37	15	36	33	455	299	112	360
01-Nov	0	0	1	0	51	5	27	60	709	198	142	509
02-Nov	0	0	0	0	55	19	63	40	820	214	284	401
03-Nov	1	0	1	0	34	20	54	38	771	148	323	552
04-Nov	0	0	2	0	46	19	34	21	618	123	348	408
05-Nov	0	0	0	0	46	45	91	59	474	320	319	698
06-Nov	0	0	0	0	40	32	27	47	678	248	392	655
07-Nov	0	0	0	1	57	38	80	23	848	199	383	497

<b>08-Nov</b>	0	0	0	1	33	44	5	29	981	170	783	417
<b>09-Nov</b>	0	1	0	0	34	48	22	3	495	330	570	251
<b>10-Nov</b>	0	0	0	0	48	40	34	27	346	380	282	508
<b>11-Nov</b>	0	1	0	0	75	55	95	29	418	506	482	488
<b>12-Nov</b>	0	0	0	0	31	40	84	33	422	185	421	300
<b>13-Nov</b>	0	2	0	0	54	78	63	60	670	171	773	144
<b>14-Nov</b>	0	0	0	0	16	88	1	53	294	346	633	164
<b>15-Nov</b>	0	0	0	0	6	51	2	84	35	353	507	326
<b>16-Nov</b>	0	0	0	0	16	81	78	27	145	660	316	423
<b>17-Nov</b>	0	0	0	1	60	38	48	45	191	261	416	465
<b>18-Nov</b>	0	0	0	0	75	77	55	25	352	126	524	363
<b>19-Nov</b>	0	0	0	0	27	73	19	37	124	16	625	187
<b>20-Nov</b>	0	0	0	0	59	53	15	40	106	6	556	208
<b>21-Nov</b>	0	0	0	0	57	72	12	51	159	95	196	267
<b>22-Nov</b>	0	0	0	0	9	21	4	52	165	188	170	510
<b>Total</b>	<b>9</b>	<b>4</b>	<b>9</b>	<b>5</b>	<b>1585</b>	<b>1161</b>	<b>1231</b>	<b>1727</b>	<b>13385</b>	<b>6325</b>	<b>10275</b>	<b>11736</b>

## Details of residue burning events in Punjab on 22-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	Amritsar	Attari	AQUA	31.57700	74.91100	13:59:57	D	8.60
2	Amritsar	Chogawan	S-NPP	31.68433	74.69007	13:22:57	D	3.30
3	Amritsar	Chogawan	AQUA	31.74300	74.54300	13:59:57	D	6.30
4	Amritsar	Rayya	S-NPP	31.63023	75.33681	13:22:57	D	2.90
5	Barnala	Barnala	S-NPP	30.18764	75.51768	13:22:57	D	10.30
6	Barnala	Barnala	S-NPP	30.19360	75.49072	13:22:57	D	2.50
7	Barnala	Barnala	S-NPP	30.19441	75.53756	13:22:57	D	3.10
8	Barnala	Barnala	S-NPP	30.22537	75.57774	13:22:57	D	2.50
9	Barnala	Barnala	S-NPP	30.27093	75.53794	13:22:57	D	24.30
10	Barnala	Barnala	S-NPP	30.36266	75.47580	13:22:57	D	7.20
11	Barnala	Barnala	S-NPP	30.39028	75.64459	13:22:57	D	5.00
12	Barnala	Barnala	S-NPP	30.41744	75.61364	13:22:57	D	4.20
13	Barnala	Barnala	AQUA	30.24200	75.49000	13:59:57	D	5.10
14	Barnala	Barnala	AQUA	30.24500	75.57400	13:59:57	D	4.90
15	Barnala	Barnala	AQUA	30.30400	75.60400	13:59:57	D	13.20
16	Barnala	Barnala	AQUA	30.30600	75.61400	13:59:57	D	5.60
17	Barnala	Barnala	AQUA	30.31400	75.48100	13:59:57	D	5.70
18	Barnala	Barnala	AQUA	30.31500	75.49100	13:59:57	D	5.80
19	Barnala	Barnala	AQUA	30.39100	75.57100	13:59:57	D	20.60
20	Barnala	Barnala	AQUA	30.39200	75.58100	13:59:57	D	16.50
21	Barnala	Barnala	AQUA	30.41000	75.57700	13:59:57	D	16.40
22	Barnala	Barnala	AQUA	30.41200	75.58700	13:59:57	D	5.50
23	Barnala	Mahal Kalan	S-NPP	30.43481	75.59283	13:22:57	D	2.40
24	Barnala	Mahal Kalan	S-NPP	30.58548	75.46658	13:22:57	D	2.20
25	Barnala	Sehna	S-NPP	30.33832	75.41254	13:22:57	D	2.00
26	Barnala	Sehna	S-NPP	30.36984	75.37119	13:22:57	D	2.50
27	Barnala	Sehna	S-NPP	30.37428	75.35355	13:22:57	D	4.20
28	Barnala	Sehna	S-NPP	30.38962	75.31999	13:22:57	D	1.60
29	Barnala	Sehna	S-NPP	30.41249	75.31062	13:22:57	D	6.30

30	Barnala	Sehna	S-NPP	30.42784	75.46631	13:22:57	D	4.00
31	Barnala	Sehna	S-NPP	30.43120	75.46557	13:22:57	D	2.30
32	Barnala	Sehna	S-NPP	30.44562	75.34212	13:22:57	D	2.50
33	Barnala	Sehna	S-NPP	30.44608	75.28158	13:22:57	D	1.70
34	Barnala	Sehna	S-NPP	30.45502	75.33573	13:22:57	D	1.90
35	Barnala	Sehna	S-NPP	30.47053	75.34523	13:22:57	D	3.90
36	Barnala	Sehna	S-NPP	30.48913	75.36764	13:22:57	D	2.90
37	Barnala	Sehna	AQUA	30.36400	75.44900	13:59:57	D	4.80
38	Barnala	Sehna	AQUA	30.40800	75.30700	13:59:57	D	17.20
39	Bathinda	Bathinda	S-NPP	30.14747	75.00636	13:22:57	D	1.70
40	Bathinda	Bathinda	S-NPP	30.15950	74.82652	13:22:57	D	5.60
41	Bathinda	Bathinda	S-NPP	30.16955	74.80196	13:22:57	D	4.00
42	Bathinda	Bathinda	S-NPP	30.19166	74.77121	13:22:57	D	3.40
43	Bathinda	Bathinda	S-NPP	30.23711	74.78773	13:22:57	D	4.70
44	Bathinda	Bathinda	AQUA	30.15800	74.82400	13:59:57	D	23.10
45	Bathinda	Bathinda	AQUA	30.23600	74.79200	13:59:57	D	8.10
46	Bathinda	Bhagta Bhai Ka	S-NPP	30.40866	75.09869	13:22:57	D	4.80
47	Bathinda	Bhagta Bhai Ka	S-NPP	30.41205	75.09793	13:22:57	D	3.10
48	Bathinda	Bhagta Bhai Ka	S-NPP	30.44657	75.05167	13:22:57	D	5.20
49	Bathinda	Bhagta Bhai Ka	S-NPP	30.46008	75.13166	13:22:57	D	2.90
50	Bathinda	Bhagta Bhai Ka	S-NPP	30.46346	75.13091	13:22:57	D	4.40
51	Bathinda	Bhagta Bhai Ka	S-NPP	30.49882	75.27927	13:22:57	D	4.20
52	Bathinda	Bhagta Bhai Ka	AQUA	30.38600	75.16300	13:59:57	D	5.90
53	Bathinda	Bhagta Bhai Ka	AQUA	30.43000	75.03000	13:59:57	D	5.70
54	Bathinda	Goniana Mandi	S-NPP	30.29154	74.80302	13:22:57	D	3.30
55	Bathinda	Goniana Mandi	S-NPP	30.30541	74.75974	13:22:57	D	1.60
56	Bathinda	Goniana Mandi	S-NPP	30.30615	74.76404	13:22:57	D	1.60
57	Bathinda	Goniana Mandi	S-NPP	30.34490	74.86654	13:22:57	D	6.70
58	Bathinda	Goniana Mandi	S-NPP	30.34831	74.86577	13:22:57	D	6.70
59	Bathinda	Goniana Mandi	AQUA	30.31100	74.73700	13:59:57	D	12.90
60	Bathinda	Maur	S-NPP	30.04014	75.24301	13:22:57	D	3.50
61	Bathinda	Maur	S-NPP	30.06791	75.13667	13:22:57	D	2.10
62	Bathinda	Maur	S-NPP	30.07638	75.18715	13:22:57	D	5.30



63	Bathinda	Maur	S-NPP	30.12176	75.10425	13:22:57	D	4.40
64	Bathinda	Maur	AQUA	30.11700	75.16200	13:59:57	D	14.00
65	Bathinda	Maur	AQUA	30.11900	75.17200	13:59:57	D	11.50
66	Bathinda	Phul	AQUA	30.38800	75.17300	13:59:57	D	16.10
67	Bathinda	Phul	AQUA	30.40600	75.29700	13:59:57	D	7.80
68	Bathinda	Rampura	S-NPP	30.15276	75.16289	13:22:57	D	13.00
69	Bathinda	Rampura	S-NPP	30.18430	75.35101	13:22:57	D	6.80
70	Bathinda	Sangat	S-NPP	29.98300	74.76192	13:22:57	D	3.90
71	Bathinda	Sangat	S-NPP	29.98838	74.75173	13:22:57	D	2.60
72	Bathinda	Sangat	S-NPP	29.99699	74.78117	13:22:57	D	2.80
73	Bathinda	Sangat	S-NPP	30.03807	74.83443	13:22:57	D	2.30
74	Bathinda	Sangat	S-NPP	30.08921	74.85127	13:22:57	D	2.60
75	Bathinda	Sangat	S-NPP	30.12484	74.72707	13:22:57	D	3.60
76	Bathinda	Sangat	S-NPP	30.14075	74.67398	13:22:57	D	2.50
77	Bathinda	Talwandi Sabo	AQUA	30.01600	75.10300	13:59:57	D	8.80
78	Bathinda	Talwandi Sabo	AQUA	30.01800	75.11300	13:59:57	D	8.60
79	Faridkot	Faridkot	S-NPP	30.59942	74.69207	13:22:57	D	3.60
80	Faridkot	Faridkot	S-NPP	30.61464	74.76006	13:22:57	D	5.40
81	Faridkot	Faridkot	S-NPP	30.64482	74.70856	13:22:57	D	2.80
82	Faridkot	Faridkot	S-NPP	30.68686	74.81034	13:22:57	D	2.00
83	Faridkot	Faridkot	S-NPP	30.68758	74.81461	13:22:57	D	2.00
84	Faridkot	Faridkot	S-NPP	30.69490	74.69798	13:22:57	D	2.80
85	Faridkot	Faridkot	S-NPP	30.69602	74.69686	13:22:57	D	2.10
86	Faridkot	Faridkot	S-NPP	30.73714	74.57161	13:22:57	D	2.80
87	Faridkot	Faridkot	S-NPP	30.73937	74.58462	13:22:57	D	1.90
88	Faridkot	Faridkot	S-NPP	30.77989	74.78110	13:22:57	D	1.90
89	Faridkot	Faridkot	S-NPP	30.82519	74.62446	02:12:57	N	0.90
90	Faridkot	Faridkot	AQUA	30.63000	74.82600	13:59:57	D	5.40
91	Faridkot	Jaiton	S-NPP	30.39565	74.89497	13:22:57	D	3.50
92	Faridkot	Jaiton	S-NPP	30.40606	74.81371	13:22:57	D	4.70
93	Faridkot	Jaiton	S-NPP	30.42645	74.93312	13:22:57	D	4.80
94	Faridkot	Jaiton	S-NPP	30.44431	74.74709	13:22:57	D	2.60
95	Faridkot	Jaiton	S-NPP	30.45673	75.04940	13:22:57	D	1.70

96	Faridkot	Jaiton	S-NPP	30.45960	74.83714	13:22:57	D	6.00
97	Faridkot	Jaiton	S-NPP	30.47890	74.78384	13:22:57	D	4.40
98	Faridkot	Jaiton	S-NPP	30.52222	74.89907	13:22:57	D	11.20
99	Faridkot	Jaiton	AQUA	30.38900	74.88300	13:59:57	D	5.80
100	Faridkot	Jaiton	AQUA	30.40700	74.99800	13:59:57	D	24.20
101	Faridkot	Jaiton	AQUA	30.40800	75.00800	13:59:57	D	96.90
102	Faridkot	Jaiton	AQUA	30.41700	74.94700	13:59:57	D	15.70
103	Faridkot	Jaiton	AQUA	30.41900	74.95700	13:59:57	D	12.90
104	Faridkot	Jaiton	AQUA	30.42000	75.02700	13:59:57	D	9.10
105	Faridkot	Jaiton	AQUA	30.42200	75.03800	13:59:57	D	15.30
106	Faridkot	Jaiton	AQUA	30.48200	74.89000	13:59:57	D	5.80
107	Faridkot	Kot Kapura	S-NPP	30.49131	74.79439	13:22:57	D	1.80
108	Faridkot	Kot Kapura	S-NPP	30.50150	74.75727	13:22:57	D	2.20
109	Faridkot	Kot Kapura	S-NPP	30.50223	74.76157	13:22:57	D	3.60
110	Faridkot	Kot Kapura	S-NPP	30.53855	74.76671	13:22:57	D	1.70
111	Faridkot	Kot Kapura	S-NPP	30.63941	74.90517	13:22:57	D	2.20
112	Faridkot	Kot Kapura	S-NPP	30.64518	74.93913	13:22:57	D	52.00
113	Faridkot	Kot Kapura	S-NPP	30.64569	74.92139	13:22:57	D	2.70
114	Faridkot	Kot Kapura	AQUA	30.55200	74.73900	13:59:57	D	5.20
115	Faridkot	Kot Kapura	AQUA	30.56100	74.73700	13:59:57	D	7.10
116	Faridkot	Kot Kapura	AQUA	30.58500	74.89500	13:59:57	D	15.60
117	Faridkot	Kot Kapura	AQUA	30.66400	74.87200	13:59:57	D	4.40
118	Fatehgarh Sahib	Khamanon	S-NPP	30.79870	76.33368	13:22:57	D	1.50
119	Fatehgarh Sahib	Sirhind	S-NPP	30.48661	76.35284	13:22:57	D	9.10
120	Fazilka	Abohar	S-NPP	30.17989	74.20452	13:22:57	D	2.20
121	Fazilka	Abohar	AQUA	30.08200	74.27900	13:59:57	D	8.00
122	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.30962	74.21772	13:22:57	D	1.60
123	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.31479	74.26759	13:22:57	D	5.10
124	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.32451	74.30235	13:22:57	D	5.30
125	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.32876	74.30600	13:22:57	D	12.70
126	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.42205	74.19739	13:22:57	D	2.70
127	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.30700	74.29700	13:59:57	D	11.60
128	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.37500	74.14200	13:59:57	D	5.50

129	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.37700	74.15200	13:59:57	D	11.60
130	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.41400	74.16000	13:59:57	D	12.30
131	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.41400	74.21700	13:59:57	D	7.00
132	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.42900	74.13400	13:59:57	D	20.20
133	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.43100	74.14500	13:59:57	D	31.20
134	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.43300	74.15600	13:59:57	D	13.60
135	Fazilka	Fazilka	S-NPP	30.31715	73.97148	13:22:57	D	1.70
136	Fazilka	Fazilka	S-NPP	30.36123	74.09814	13:22:57	D	2.80
137	Fazilka	Fazilka	S-NPP	30.36201	74.10265	13:22:57	D	2.80
138	Fazilka	Fazilka	S-NPP	30.36472	74.09732	13:22:57	D	3.40
139	Fazilka	Fazilka	S-NPP	30.36551	74.10184	13:22:57	D	3.40
140	Fazilka	Fazilka	S-NPP	30.37618	74.08182	13:22:57	D	4.40
141	Fazilka	Fazilka	S-NPP	30.39157	73.92208	13:22:57	D	6.30
142	Fazilka	Fazilka	S-NPP	30.43176	74.08762	13:22:57	D	24.90
143	Fazilka	Fazilka	S-NPP	30.43271	74.03091	13:22:57	D	3.90
144	Fazilka	Fazilka	S-NPP	30.43350	74.03543	13:22:57	D	6.40
145	Fazilka	Fazilka	S-NPP	30.46543	74.05151	13:22:57	D	8.70
146	Fazilka	Fazilka	S-NPP	30.48417	74.05408	13:22:57	D	5.50
147	Fazilka	Fazilka	AQUA	30.32100	73.98200	13:59:57	D	5.80
148	Fazilka	Fazilka	AQUA	30.45600	74.12900	13:59:57	D	7.30
149	Fazilka	Fazilka	AQUA	30.45800	73.97500	13:59:57	D	8.80
150	Fazilka	Fazilka	AQUA	30.45800	74.13900	13:59:57	D	5.10
151	Fazilka	Fazilka	AQUA	30.46600	74.12700	13:59:57	D	9.10
152	Fazilka	Fazilka	AQUA	30.47900	74.05000	13:59:57	D	14.90
153	Fazilka	Fazilka	AQUA	30.48100	74.06100	13:59:57	D	6.00
154	Fazilka	Guruhar Sahai	S-NPP	30.58417	74.35583	13:22:57	D	6.60
155	Fazilka	Guruhar Sahai	S-NPP	30.61683	74.31611	13:22:57	D	42.70
156	Fazilka	Guruhar Sahai	S-NPP	30.65683	74.21098	13:22:57	D	1.70
157	Fazilka	Guruhar Sahai	S-NPP	30.67034	74.22636	13:22:57	D	9.60
158	Fazilka	Guruhar Sahai	S-NPP	30.68153	74.35268	13:22:57	D	12.30
159	Fazilka	Guruhar Sahai	AQUA	30.57300	74.34400	13:59:57	D	25.80
160	Fazilka	Guruhar Sahai	AQUA	30.57500	74.35500	13:59:57	D	9.60
161	Fazilka	Guruhar Sahai	AQUA	30.59100	74.34100	13:59:57	D	17.10

162	Fazilka	Guruhar Sahai	AQUA	30.60800	74.33000	13:59:57	D	12.10
163	Fazilka	Guruhar Sahai	AQUA	30.61100	74.35200	13:59:57	D	13.80
164	Fazilka	Guruhar Sahai	AQUA	30.65200	74.25400	13:59:57	D	6.10
165	Fazilka	Guruhar Sahai	AQUA	30.65400	74.26500	13:59:57	D	45.10
166	Fazilka	Guruhar Sahai	AQUA	30.66300	74.20700	13:59:57	D	4.90
167	Fazilka	Guruhar Sahai	AQUA	30.67300	74.22100	13:59:57	D	6.30
168	Fazilka	Guruhar Sahai	AQUA	30.67300	74.32800	13:59:57	D	4.90
169	Fazilka	Jalalabad	S-NPP	30.42911	74.23757	13:22:57	D	3.50
170	Fazilka	Jalalabad	S-NPP	30.43102	74.22784	13:22:57	D	2.40
171	Fazilka	Jalalabad	S-NPP	30.46081	74.29498	13:22:57	D	4.00
172	Fazilka	Jalalabad	S-NPP	30.46851	74.29781	13:22:57	D	15.20
173	Fazilka	Jalalabad	S-NPP	30.47736	74.28652	13:22:57	D	5.10
174	Fazilka	Jalalabad	S-NPP	30.49965	74.33205	13:22:57	D	1.90
175	Fazilka	Jalalabad	S-NPP	30.50087	74.23478	13:22:57	D	61.20
176	Fazilka	Jalalabad	S-NPP	30.50855	74.27927	13:22:57	D	2.60
177	Fazilka	Jalalabad	S-NPP	30.51999	74.34573	13:22:57	D	5.90
178	Fazilka	Jalalabad	S-NPP	30.52164	74.20422	13:22:57	D	2.40
179	Fazilka	Jalalabad	S-NPP	30.52376	74.27782	13:22:57	D	16.20
180	Fazilka	Jalalabad	S-NPP	30.59496	74.21035	13:22:57	D	10.20
181	Fazilka	Jalalabad	S-NPP	30.59573	74.21481	13:22:57	D	9.60
182	Fazilka	Jalalabad	S-NPP	30.59842	74.20953	13:22:57	D	10.20
183	Fazilka	Jalalabad	S-NPP	30.60420	74.18031	13:22:57	D	3.80
184	Fazilka	Jalalabad	S-NPP	30.60466	74.18138	13:22:57	D	3.30
185	Fazilka	Jalalabad	S-NPP	30.61255	74.12365	13:22:57	D	3.80
186	Fazilka	Jalalabad	S-NPP	30.61268	74.22939	13:22:57	D	17.70
187	Fazilka	Jalalabad	S-NPP	30.61333	74.23037	13:22:57	D	16.50
188	Fazilka	Jalalabad	S-NPP	30.61615	74.22857	13:22:57	D	17.70
189	Fazilka	Jalalabad	S-NPP	30.61679	74.22957	13:22:57	D	16.50
190	Fazilka	Jalalabad	S-NPP	30.62109	74.13100	13:22:57	D	8.10
191	Fazilka	Jalalabad	S-NPP	30.62456	74.13018	13:22:57	D	4.50
192	Fazilka	Jalalabad	S-NPP	30.63860	74.16882	13:22:57	D	4.00
193	Fazilka	Jalalabad	S-NPP	30.64207	74.16801	13:22:57	D	4.00
194	Fazilka	Jalalabad	AQUA	30.45700	74.25200	13:59:57	D	18.90

195	Fazilka	Jalalabad	AQUA	30.46000	74.33000	13:59:57	D	5.50
196	Fazilka	Jalalabad	AQUA	30.46200	74.34100	13:59:57	D	5.10
197	Fazilka	Jalalabad	AQUA	30.50000	74.23700	13:59:57	D	10.20
198	Fazilka	Jalalabad	AQUA	30.51300	74.20100	13:59:57	D	17.10
199	Fazilka	Jalalabad	AQUA	30.51400	74.26800	13:59:57	D	6.40
200	Fazilka	Jalalabad	AQUA	30.51600	74.27900	13:59:57	D	37.60
201	Fazilka	Jalalabad	AQUA	30.52800	74.11900	13:59:57	D	6.70
202	Fazilka	Jalalabad	AQUA	30.53000	74.13000	13:59:57	D	10.10
203	Fazilka	Jalalabad	AQUA	30.53800	74.29600	13:59:57	D	7.00
204	Fazilka	Jalalabad	AQUA	30.55000	74.37200	13:59:57	D	5.30
205	Fazilka	Jalalabad	AQUA	30.59000	74.09900	13:59:57	D	14.40
206	Fazilka	Jalalabad	AQUA	30.59800	74.21000	13:59:57	D	7.60
207	Fazilka	Jalalabad	AQUA	30.60400	74.18600	13:59:57	D	9.20
208	Fazilka	Jalalabad	AQUA	30.61800	74.21700	13:59:57	D	19.80
209	Fazilka	Jalalabad	AQUA	30.62000	74.22700	13:59:57	D	23.00
210	Fazilka	Jalalabad	AQUA	30.63800	74.22300	13:59:57	D	25.40
211	Fazilka	Jalalabad	AQUA	30.64000	74.23400	13:59:57	D	5.60
212	Fazilka	Jalalabad	AQUA	30.64400	74.20000	13:59:57	D	31.50
213	Fazilka	Khuian Sarwar	S-NPP	30.32249	74.12598	13:22:57	D	5.10
214	Fazilka	Khuian Sarwar	AQUA	30.20900	74.03500	13:59:57	D	8.70
215	Firozpur	Firozpur	AQUA	30.89900	74.53200	13:59:57	D	16.50
216	Firozpur	Firozpur	AQUA	30.93500	74.53000	13:59:57	D	8.90
217	Firozpur	Firozpur	AQUA	30.99700	74.57100	13:59:57	D	6.70
218	Firozpur	Firozpur	AQUA	31.05200	74.80300	13:59:57	D	46.70
219	Firozpur	Ghall Khurd	S-NPP	30.78741	74.89194	02:12:57	N	12.90
220	Firozpur	Ghall Khurd	S-NPP	30.83131	74.71244	13:22:57	D	3.80
221	Firozpur	Ghall Khurd	S-NPP	30.83471	74.71166	13:22:57	D	2.80
222	Firozpur	Ghall Khurd	S-NPP	30.93992	74.73297	13:22:57	D	11.20
223	Firozpur	Ghall Khurd	S-NPP	30.94332	74.73219	13:22:57	D	11.20
224	Firozpur	Ghall Khurd	S-NPP	30.94818	74.80213	13:22:57	D	4.70
225	Firozpur	Ghall Khurd	S-NPP	30.95595	74.70260	13:22:57	D	1.90
226	Firozpur	Ghall Khurd	AQUA	30.78700	74.88800	13:59:57	D	7.40
227	Firozpur	Ghall Khurd	AQUA	30.79600	74.88700	13:59:57	D	10.20

228	Firozpur	Ghall Khurd	AQUA	30.83300	74.70600	13:59:57	D	6.80
229	Firozpur	Ghall Khurd	AQUA	30.95300	74.70100	13:59:57	D	4.30
230	Firozpur	Ghall Khurd	AQUA	30.95500	74.77600	13:59:57	D	8.10
231	Firozpur	Guruhar Sahai	S-NPP	30.66696	74.39265	13:22:57	D	15.50
232	Firozpur	Guruhar Sahai	S-NPP	30.66772	74.39703	13:22:57	D	15.50
233	Firozpur	Guruhar Sahai	AQUA	30.63100	74.41400	13:59:57	D	25.30
234	Firozpur	Guruhar Sahai	AQUA	30.63200	74.42500	13:59:57	D	6.20
235	Firozpur	Guruhar Sahai	AQUA	30.68400	74.28600	13:59:57	D	5.10
236	Firozpur	Makhu	S-NPP	31.05675	75.07193	13:22:57	D	5.20
237	Firozpur	Makhu	S-NPP	31.06046	74.86225	13:22:57	D	4.10
238	Firozpur	Makhu	S-NPP	31.07266	74.93430	13:22:57	D	2.50
239	Firozpur	Makhu	S-NPP	31.08602	74.99265	13:22:57	D	3.10
240	Firozpur	Makhu	AQUA	31.06700	75.08600	13:59:57	D	7.80
241	Firozpur	Makhu	AQUA	31.08200	75.12600	13:59:57	D	10.20
242	Firozpur	Mamdot	S-NPP	30.81362	74.46461	13:22:57	D	2.20
243	Firozpur	Mamdot	S-NPP	30.89547	74.39205	13:22:57	D	8.00
244	Firozpur	Mamdot	AQUA	30.89800	74.52100	13:59:57	D	17.70
245	Firozpur	Zira	S-NPP	30.97608	75.02899	13:22:57	D	4.60
246	Firozpur	Zira	AQUA	30.92800	74.96000	13:59:57	D	25.80
247	Firozpur	Zira	AQUA	30.93000	74.97100	13:59:57	D	6.40
248	Firozpur	Zira	AQUA	31.02300	74.85900	13:59:57	D	6.20
249	Gurdaspur	Dera Baba Nanak	S-NPP	31.97197	75.08624	13:22:57	D	2.50
250	Gurdaspur	Dera Baba Nanak	S-NPP	31.97532	75.08549	13:22:57	D	2.50
251	Jalandhar	Lohian	S-NPP	31.13636	75.29387	13:22:57	D	2.70
252	Jalandhar	Lohian	AQUA	31.12000	75.18600	13:59:57	D	7.10
253	Jalandhar	Mehatpur	S-NPP	31.00766	75.45354	13:22:57	D	2.30
254	Jalandhar	Nakodar	S-NPP	31.08312	75.52702	13:22:57	D	22.90
255	Jalandhar	Nakodar	S-NPP	31.19516	75.52502	13:22:57	D	1.70
256	Jalandhar	Nur Mahal	S-NPP	31.06980	75.55125	13:22:57	D	5.80
257	Jalandhar	Nur Mahal	S-NPP	31.07314	75.55051	13:22:57	D	5.80
258	Jalandhar	Nur Mahal	AQUA	31.13000	75.57300	13:59:57	D	11.10
259	Jalandhar	Rurka Kalan	S-NPP	31.09118	75.72475	13:22:57	D	13.20
260	Jalandhar	Rurka Kalan	S-NPP	31.09451	75.72403	13:22:57	D	13.20

261	Jalandhar	Rurka Kalan	S-NPP	31.16051	75.59937	13:22:57	D	18.70
262	Jalandhar	Shahkot	S-NPP	31.02578	75.34711	13:22:57	D	2.10
263	Jalandhar	Shahkot	S-NPP	31.05879	75.39988	13:22:57	D	1.80
264	Jalandhar	Shahkot	AQUA	31.08700	75.28500	13:59:57	D	11.00
265	Kapurthala	Dhilwan	S-NPP	31.40347	75.30019	13:22:57	D	2.30
266	Kapurthala	Dhilwan	S-NPP	31.43167	75.34548	13:22:57	D	2.20
267	Kapurthala	Kapurthala	S-NPP	31.43174	75.38835	13:22:57	D	2.70
268	Kapurthala	Kapurthala	AQUA	31.32100	75.29300	13:59:57	D	9.80
269	Kapurthala	Kapurthala	AQUA	31.32200	75.30300	13:59:57	D	19.60
270	Kapurthala	Phagwara	S-NPP	31.35172	75.77952	13:22:57	D	7.30
271	Kapurthala	Phagwara	S-NPP	31.35826	75.82029	13:22:57	D	2.60
272	Kapurthala	Phagwara	AQUA	31.21900	75.72900	13:59:57	D	6.20
273	Ludhiana	Doraha	S-NPP	30.70426	76.06227	13:22:57	D	3.60
274	Ludhiana	Doraha	S-NPP	30.74562	75.99905	13:22:57	D	4.00
275	Ludhiana	Jagraon	AQUA	30.71200	75.49200	13:59:57	D	5.20
276	Ludhiana	Ludhiana 1	S-NPP	30.85560	75.77052	13:22:57	D	3.00
277	Ludhiana	Machhiwara	AQUA	30.80900	76.28400	13:59:57	D	9.30
278	Ludhiana	Maloud	S-NPP	30.66863	76.02355	13:22:57	D	3.60
279	Ludhiana	Maloud	AQUA	30.70500	75.87800	13:59:57	D	6.00
280	Ludhiana	Pakhowal	S-NPP	30.72364	75.77679	13:22:57	D	2.70
281	Ludhiana	Pakhowal	AQUA	30.71600	75.77100	13:59:57	D	6.00
282	Ludhiana	Pakhowal	AQUA	30.71800	75.78100	13:59:57	D	11.60
283	Ludhiana	Raikot	AQUA	30.66000	75.57200	13:59:57	D	15.80
284	Ludhiana	Raikot	AQUA	30.66100	75.58200	13:59:57	D	8.30
285	Ludhiana	Sidhwan Bet	S-NPP	30.85014	75.43208	13:22:57	D	2.20
286	Ludhiana	Sidhwan Bet	S-NPP	30.91915	75.45109	13:22:57	D	3.60
287	Ludhiana	Sidhwan Bet	S-NPP	30.97020	75.45753	13:22:57	D	2.30
288	Ludhiana	Sidhwan Bet	S-NPP	30.97141	75.40160	13:22:57	D	1.80
289	Ludhiana	Sidhwan Bet	AQUA	30.94300	75.43300	13:59:57	D	5.70
290	Malerkotla	Ahmedgarh	AQUA	30.52800	75.67800	13:59:57	D	9.50
291	Malerkotla	Malerkotla	S-NPP	30.57075	75.88524	13:22:57	D	2.40
292	Mansa	Bhikhi	S-NPP	30.01702	75.52731	13:22:57	D	1.00
293	Mansa	Bhikhi	S-NPP	30.12690	75.46979	13:22:57	D	3.20

294	Mansa	Bhikhi	S-NPP	30.14143	75.36774	13:22:57	D	3.90
295	Mansa	Bhikhi	S-NPP	30.14847	75.49505	13:22:57	D	1.60
296	Mansa	Bhikhi	S-NPP	30.15354	75.35645	13:22:57	D	2.80
297	Mansa	Bhikhi	S-NPP	30.15397	75.35767	13:22:57	D	3.60
298	Mansa	Bhikhi	S-NPP	30.15595	75.34862	13:22:57	D	2.50
299	Mansa	Bhikhi	S-NPP	30.18009	75.47227	13:22:57	D	25.60
300	Mansa	Bhikhi	S-NPP	30.18069	75.45499	13:22:57	D	2.00
301	Mansa	Bhikhi	S-NPP	30.18077	75.47639	13:22:57	D	11.60
302	Mansa	Bhikhi	S-NPP	30.18406	75.45425	13:22:57	D	3.90
303	Mansa	Bhikhi	AQUA	30.06300	75.59100	13:59:57	D	7.60
304	Mansa	Budhlada	AQUA	29.79700	75.43100	13:59:57	D	6.90
305	Mansa	Budhlada	AQUA	29.95900	75.64500	13:59:57	D	7.10
306	Mansa	Jhunir	S-NPP	29.76251	75.38840	13:22:57	D	3.30
307	Mansa	Jhunir	S-NPP	29.96916	75.21873	13:22:57	D	3.70
308	Mansa	Mansa	AQUA	30.09000	75.40700	13:59:57	D	9.00
309	Mansa	Mansa	AQUA	30.12900	75.36100	13:59:57	D	7.50
310	Moga	Bagha Purana	S-NPP	30.53205	74.99815	13:22:57	D	5.10
311	Moga	Bagha Purana	S-NPP	30.53276	75.00238	13:22:57	D	5.70
312	Moga	Bagha Purana	S-NPP	30.53368	75.02849	13:22:57	D	4.60
313	Moga	Bagha Purana	S-NPP	30.53393	75.02772	13:22:57	D	4.00
314	Moga	Bagha Purana	S-NPP	30.55061	75.02470	13:22:57	D	2.00
315	Moga	Bagha Purana	S-NPP	30.60679	75.10829	13:22:57	D	11.50
316	Moga	Bagha Purana	S-NPP	30.61017	75.10754	13:22:57	D	6.10
317	Moga	Bagha Purana	S-NPP	30.62680	75.06014	13:22:57	D	2.10
318	Moga	Bagha Purana	S-NPP	30.64776	75.18616	13:22:57	D	2.70
319	Moga	Bagha Purana	S-NPP	30.65093	74.97303	13:22:57	D	2.20
320	Moga	Bagha Purana	S-NPP	30.65327	75.00762	13:22:57	D	4.40
321	Moga	Bagha Purana	S-NPP	30.65556	74.95881	13:22:57	D	4.80
322	Moga	Bagha Purana	S-NPP	30.67660	75.04180	13:22:57	D	2.60
323	Moga	Bagha Purana	S-NPP	30.68018	74.97962	13:22:57	D	1.10
324	Moga	Bagha Purana	S-NPP	30.68143	74.96616	13:22:57	D	4.30
325	Moga	Bagha Purana	S-NPP	30.70239	75.04913	13:22:57	D	25.70
326	Moga	Bagha Purana	S-NPP	30.71049	74.95081	13:22:57	D	2.00



327	Moga	Bagha Purana	S-NPP	30.72662	75.02618	13:22:57	D	12.60
328	Moga	Bagha Purana	S-NPP	30.73747	75.02812	13:22:57	D	10.90
329	Moga	Bagha Purana	S-NPP	30.73860	74.99280	13:22:57	D	4.60
330	Moga	Bagha Purana	AQUA	30.55100	75.09500	13:59:57	D	10.40
331	Moga	Bagha Purana	AQUA	30.55500	74.99800	13:59:57	D	5.80
332	Moga	Bagha Purana	AQUA	30.57300	75.05800	13:59:57	D	6.10
333	Moga	Bagha Purana	AQUA	30.60600	75.03000	13:59:57	D	5.10
334	Moga	Bagha Purana	AQUA	30.66400	75.10900	13:59:57	D	6.60
335	Moga	Bagha Purana	AQUA	30.66500	75.11900	13:59:57	D	5.10
336	Moga	Bagha Purana	AQUA	30.68200	74.98700	13:59:57	D	8.60
337	Moga	Bagha Purana	AQUA	30.70200	74.98700	13:59:57	D	18.20
338	Moga	Bagha Purana	AQUA	30.71300	74.94200	13:59:57	D	12.50
339	Moga	Bagha Purana	AQUA	30.71500	74.95200	13:59:57	D	4.60
340	Moga	Bagha Purana	AQUA	30.75200	75.02000	13:59:57	D	6.20
341	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.87583	75.27159	13:22:57	D	22.50
342	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.87615	75.37916	13:22:57	D	2.70
343	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.87945	75.14159	13:22:57	D	2.20
344	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.89096	75.14771	13:22:57	D	3.00
345	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.89548	75.32758	13:22:57	D	2.30
346	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.89820	75.34418	13:22:57	D	9.20
347	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.90190	75.06689	13:22:57	D	1.30
348	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.90922	75.27781	13:22:57	D	13.40
349	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.91257	75.27706	13:22:57	D	13.40
350	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.92425	75.07494	13:22:57	D	2.90
351	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.93576	75.08108	13:22:57	D	3.50
352	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.95535	75.22000	13:22:57	D	6.00
353	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.95768	75.29721	13:22:57	D	2.40
354	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.96240	75.30477	13:22:57	D	16.40
355	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.97178	75.12958	13:22:57	D	10.00
356	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.99162	75.12138	13:22:57	D	2.00
357	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.01418	75.17275	13:22:57	D	4.10
358	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.01754	75.17200	13:22:57	D	4.10
359	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.01778	75.21526	13:22:57	D	3.50

360	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.02693	75.16557	13:22:57	D	6.10
361	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.04317	75.17927	13:22:57	D	3.00
362	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.07332	75.15083	13:22:57	D	3.70
363	Moga	Kot Ise Khan At Dharamkot	AQUA	30.87300	75.14900	13:59:57	D	28.00
364	Moga	Kot Ise Khan At Dharamkot	AQUA	30.87500	75.16000	13:59:57	D	5.30
365	Moga	Kot Ise Khan At Dharamkot	AQUA	30.88500	75.16800	13:59:57	D	9.50
366	Moga	Kot Ise Khan At Dharamkot	AQUA	30.89800	75.31500	13:59:57	D	11.50
367	Moga	Kot Ise Khan At Dharamkot	AQUA	30.89900	75.32500	13:59:57	D	4.80
368	Moga	Kot Ise Khan At Dharamkot	AQUA	30.93400	75.12000	13:59:57	D	11.10
369	Moga	Kot Ise Khan At Dharamkot	AQUA	30.94000	75.34200	13:59:57	D	7.90
370	Moga	Kot Ise Khan At Dharamkot	AQUA	30.97700	75.28100	13:59:57	D	4.70
371	Moga	Kot Ise Khan At Dharamkot	AQUA	30.97800	75.29200	13:59:57	D	10.60
372	Moga	Kot Ise Khan At Dharamkot	AQUA	30.99400	75.21400	13:59:57	D	4.50
373	Moga	Kot Ise Khan At Dharamkot	AQUA	31.00500	75.16300	13:59:57	D	4.70
374	Moga	Kot Ise Khan At Dharamkot	AQUA	31.00700	75.17400	13:59:57	D	4.20
375	Moga	Kot Ise Khan At Dharamkot	AQUA	31.00900	75.13000	13:59:57	D	36.20
376	Moga	Kot Ise Khan At Dharamkot	AQUA	31.02000	75.20300	13:59:57	D	7.00
377	Moga	Kot Ise Khan At Dharamkot	AQUA	31.07300	75.12800	13:59:57	D	11.00
378	Moga	Moga 1	S-NPP	30.70380	75.16214	13:22:57	D	4.40
379	Moga	Moga 1	S-NPP	30.70845	75.27372	13:22:57	D	3.20
380	Moga	Moga 1	S-NPP	30.71181	75.27296	13:22:57	D	3.30
381	Moga	Moga 1	S-NPP	30.71715	75.26314	13:22:57	D	6.20
382	Moga	Moga 1	S-NPP	30.73673	75.27608	13:22:57	D	1.20
383	Moga	Moga 1	S-NPP	30.74318	75.20977	13:22:57	D	2.90
384	Moga	Moga 1	S-NPP	30.78100	75.16287	13:22:57	D	4.00
385	Moga	Moga 1	S-NPP	30.81585	75.24607	13:22:57	D	6.30
386	Moga	Moga 1	S-NPP	30.82434	75.33906	13:22:57	D	2.90
387	Moga	Moga 1	S-NPP	30.85392	75.34970	13:22:57	D	6.90
388	Moga	Moga 1	AQUA	30.79300	75.28900	13:59:57	D	6.50
389	Moga	Moga 1	AQUA	30.84900	75.35700	13:59:57	D	10.30
390	Moga	Moga 1	AQUA	30.85700	75.34400	13:59:57	D	10.00
391	Moga	Moga 1	AQUA	30.85800	75.35500	13:59:57	D	27.50
392	Moga	Moga 2	S-NPP	30.73110	75.09509	13:22:57	D	2.60

393	Moga	Moga 2	S-NPP	30.75836	75.02847	13:22:57	D	6.10
394	Moga	Moga 2	S-NPP	30.76174	75.02771	13:22:57	D	6.10
395	Moga	Moga 2	S-NPP	30.78055	75.09772	13:22:57	D	3.00
396	Moga	Moga 2	S-NPP	30.78968	74.96440	13:22:57	D	2.60
397	Moga	Moga 2	S-NPP	30.79897	75.12409	13:22:57	D	3.60
398	Moga	Moga 2	S-NPP	30.80234	75.12334	13:22:57	D	7.30
399	Moga	Moga 2	S-NPP	30.84896	75.13029	13:22:57	D	4.50
400	Moga	Moga 2	S-NPP	30.87686	75.06378	13:22:57	D	17.10
401	Moga	Moga 2	S-NPP	30.87901	74.99334	13:22:57	D	0.50
402	Moga	Moga 2	S-NPP	30.88008	74.95801	13:22:57	D	47.90
403	Moga	Moga 2	AQUA	30.75400	75.03000	13:59:57	D	7.40
404	Moga	Moga 2	AQUA	30.77400	74.98300	13:59:57	D	8.50
405	Moga	Moga 2	AQUA	30.77600	74.99300	13:59:57	D	24.80
406	Moga	Moga 2	AQUA	30.78100	75.02500	13:59:57	D	3.30
407	Moga	Moga 2	AQUA	30.78200	75.03500	13:59:57	D	6.80
408	Moga	Moga 2	AQUA	30.84200	75.12400	13:59:57	D	4.80
409	Moga	Nihal Singh	S-NPP	30.53626	75.21035	13:22:57	D	3.90
410	Moga	Nihal Singh	S-NPP	30.54913	75.41457	13:22:57	D	3.30
411	Moga	Nihal Singh	S-NPP	30.55504	75.36600	13:22:57	D	4.80
412	Moga	Nihal Singh	S-NPP	30.55827	75.32223	13:22:57	D	3.50
413	Moga	Nihal Singh	S-NPP	30.57393	75.39622	13:22:57	D	16.00
414	Moga	Nihal Singh	S-NPP	30.70243	75.27937	13:22:57	D	2.10
415	Moga	Nihal Singh	AQUA	30.53200	75.40300	13:59:57	D	14.40
416	Moga	Nihal Singh	AQUA	30.56400	75.29500	13:59:57	D	13.80
417	Moga	Nihal Singh	AQUA	30.57200	75.29300	13:59:57	D	12.80
418	Moga	Nihal Singh	AQUA	30.57700	75.26000	13:59:57	D	6.20
419	Moga	Nihal Singh	AQUA	30.61600	75.33700	13:59:57	D	8.60
420	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.23600	74.57207	13:22:57	D	2.90
421	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.28284	74.71114	13:22:57	D	11.50
422	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.34425	74.73752	13:22:57	D	2.80
423	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.37785	74.81022	13:22:57	D	2.00
424	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.38126	74.80944	13:22:57	D	2.00
425	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.40443	74.68005	13:22:57	D	6.20

426	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.45601	74.62781	13:22:57	D	2.80
427	Muktsar	Kot Bhai At Gidderbaha	AQUA	30.33400	74.52400	13:59:57	D	13.20
428	Muktsar	Kot Bhai At Gidderbaha	AQUA	30.33500	74.53500	13:59:57	D	18.60
429	Muktsar	Lambi	S-NPP	29.92848	74.61201	13:22:57	D	3.20
430	Muktsar	Lambi	S-NPP	29.94746	74.68005	13:22:57	D	54.80
431	Muktsar	Lambi	S-NPP	29.94865	74.66624	13:22:57	D	6.20
432	Muktsar	Lambi	S-NPP	29.95118	74.55688	13:22:57	D	2.60
433	Muktsar	Lambi	S-NPP	29.95359	74.67415	13:22:57	D	31.20
434	Muktsar	Lambi	S-NPP	30.08745	74.65455	13:22:57	D	3.30
435	Muktsar	Lambi	S-NPP	30.13336	74.63055	13:22:57	D	1.90
436	Muktsar	Lambi	AQUA	29.94800	74.66300	13:59:57	D	13.30
437	Muktsar	Lambi	AQUA	30.01100	74.65500	13:59:57	D	9.00
438	Muktsar	Lambi	AQUA	30.02800	74.58600	13:59:57	D	7.80
439	Muktsar	Lambi	AQUA	30.03000	74.59600	13:59:57	D	8.70
440	Muktsar	Lambi	AQUA	30.10200	74.58500	13:59:57	D	9.40
441	Muktsar	Malout	S-NPP	30.22558	74.40218	13:22:57	D	6.50
442	Muktsar	Malout	AQUA	30.30900	74.30800	13:59:57	D	5.40
443	Muktsar	Malout	AQUA	30.31400	74.39600	13:59:57	D	55.20
444	Muktsar	Malout	AQUA	30.37300	74.36600	13:59:57	D	52.40
445	Muktsar	Muktsar	S-NPP	30.37444	74.50623	13:22:57	D	12.10
446	Muktsar	Muktsar	S-NPP	30.39047	74.51894	02:12:57	N	0.90
447	Muktsar	Muktsar	S-NPP	30.39317	74.51101	13:22:57	D	2.70
448	Muktsar	Muktsar	S-NPP	30.53318	74.54790	13:22:57	D	7.30
449	Muktsar	Muktsar	S-NPP	30.57072	74.42301	13:22:57	D	3.60
450	Muktsar	Muktsar	S-NPP	30.57416	74.42221	13:22:57	D	17.20
451	Muktsar	Muktsar	S-NPP	30.58374	74.41544	13:22:57	D	4.20
452	Muktsar	Muktsar	AQUA	30.37500	74.37700	13:59:57	D	22.60
453	Muktsar	Muktsar	AQUA	30.41900	74.30500	13:59:57	D	11.20
454	Muktsar	Muktsar	AQUA	30.42100	74.31600	13:59:57	D	16.40
455	Muktsar	Muktsar	AQUA	30.52600	74.57000	13:59:57	D	15.20
456	Muktsar	Muktsar	AQUA	30.52800	74.58100	13:59:57	D	46.30
457	Muktsar	Muktsar	AQUA	30.56700	74.42300	13:59:57	D	13.00
458	Muktsar	Muktsar	AQUA	30.61200	74.53500	13:59:57	D	15.70

459	Muktsar	Muktsar	AQUA	30.63300	74.54600	13:59:57	D	23.90
460	Muktsar	Muktsar	AQUA	30.65000	74.47700	13:59:57	D	7.60
461	Patiala	Bhunarheri	S-NPP	30.21657	76.42416	13:22:57	D	3.80
462	Patiala	Ghanaur	S-NPP	30.38299	76.71241	13:22:57	D	3.20
463	Patiala	Nabha	AQUA	30.34900	76.22500	13:59:57	D	21.30
464	Patiala	Nabha	AQUA	30.35100	76.23500	13:59:57	D	21.80
465	Patiala	Patran	S-NPP	29.87196	76.11847	13:22:57	D	2.90
466	Patiala	Patran	S-NPP	29.90301	76.16188	13:22:57	D	2.90
467	Patiala	Patran	S-NPP	29.93690	76.01750	13:22:57	D	2.40
468	Patiala	Patran	S-NPP	29.93818	76.16694	13:22:57	D	3.70
469	Patiala	Patran	S-NPP	29.94024	76.01679	13:22:57	D	2.40
470	Patiala	Patran	AQUA	29.93200	76.15900	13:59:57	D	6.70
471	Patiala	Samana	S-NPP	30.08558	76.20309	13:22:57	D	1.50
472	Sangrur	Andana	S-NPP	29.79103	75.92551	13:22:57	D	1.90
473	Sangrur	Andana	S-NPP	29.81492	75.96656	13:22:57	D	1.50
474	Sangrur	Andana	S-NPP	29.82477	76.00636	13:22:57	D	2.80
475	Sangrur	Andana	S-NPP	29.82637	76.00705	13:22:57	D	3.20
476	Sangrur	Andana	S-NPP	29.85161	76.03514	13:22:57	D	6.70
477	Sangrur	Andana	S-NPP	29.86767	76.00664	13:22:57	D	1.60
478	Sangrur	Andana	AQUA	29.77600	75.90300	13:59:57	D	14.90
479	Sangrur	Andana	AQUA	29.81000	75.94800	13:59:57	D	8.20
480	Sangrur	Andana	AQUA	29.81100	75.95900	13:59:57	D	4.80
481	Sangrur	Andana	AQUA	29.81200	76.08400	13:59:57	D	4.60
482	Sangrur	Andana	AQUA	29.84200	76.04100	13:59:57	D	3.80
483	Sangrur	Andana	AQUA	29.84400	76.05100	13:59:57	D	4.30
484	Sangrur	Dhuri	S-NPP	30.28835	75.72966	13:22:57	D	1.20
485	Sangrur	Dhuri	AQUA	30.38700	75.91800	13:59:57	D	8.90
486	Sangrur	Dhuri	AQUA	30.38900	75.92800	13:59:57	D	12.20
487	Sangrur	Lehra Gaga	S-NPP	29.87398	75.87521	13:22:57	D	2.30
488	Sangrur	Lehra Gaga	S-NPP	29.90202	75.87762	13:22:57	D	4.20
489	Sangrur	Lehra Gaga	AQUA	29.90700	75.92400	13:59:57	D	9.40
490	Sangrur	Sangrur	S-NPP	30.19797	75.62199	13:22:57	D	1.70
491	Sangrur	Sangrur	S-NPP	30.22681	75.64974	13:22:57	D	2.10

492	Sangrur	Sangrur	S-NPP	30.22749	75.65384	13:22:57	D	2.40
493	Sangrur	Sangrur	S-NPP	30.24424	75.79832	13:22:57	D	4.20
494	Sangrur	Sangrur	S-NPP	30.27298	75.74144	13:22:57	D	2.40
495	Sangrur	Sangrur	AQUA	30.19500	75.55900	13:59:57	D	5.40
496	Sangrur	Sher Pur	S-NPP	30.38419	75.77716	13:22:57	D	3.20
497	Sangrur	Sher Pur	S-NPP	30.38752	75.77644	13:22:57	D	1.20
498	Sangrur	Sher Pur	S-NPP	30.48232	75.73521	13:22:57	D	14.10
499	Sangrur	Sher Pur	AQUA	30.39100	75.69700	13:59:57	D	5.70
500	Sangrur	Sher Pur	AQUA	30.44200	75.65900	13:59:57	D	20.90
501	Sangrur	Sher Pur	AQUA	30.44400	75.66900	13:59:57	D	19.00
502	Sangrur	Sher Pur	AQUA	30.52900	75.68800	13:59:57	D	5.60
503	SBS Nagar	Aur	AQUA	31.00500	76.04400	13:59:57	D	4.50
504	SBS Nagar	Banga	S-NPP	31.23704	75.99746	13:22:57	D	1.50
505	Tarn Taran	Chohla Sahib	S-NPP	31.27117	74.96904	13:22:57	D	1.00
506	Tarn Taran	Naushera Pannuan	S-NPP	31.35302	74.99512	13:22:57	D	2.50
507	Tarn Taran	Patti	S-NPP	31.33094	74.84212	13:22:57	D	2.10
508	Tarn Taran	Patti	AQUA	31.22000	74.93500	13:59:57	D	9.70
509	Tarn Taran	Patti	AQUA	31.22800	74.93300	13:59:57	D	5.90
510	Tarn Taran	Tarn Taran	S-NPP	31.40021	74.87986	13:22:57	D	3.60
511	Tarn Taran	Tarn Taran	AQUA	31.47200	74.83100	13:59:57	D	36.20
512	Tarn Taran	Tarn Taran	AQUA	31.47400	74.84100	13:59:57	D	26.80

### Details of residue burning events in Haryana on 22-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	BHIWANI	BHIWANI	S-NPP	28.89004	76.21644	13:22:57	D	1.50
2	BHIWANI	BHIWANI	S-NPP	28.89691	76.15260	13:22:57	D	2.80
3	FARIDABAD	FARIDABAD	S-NPP	28.35862	77.24120	02:12:57	N	0.50
4	FATEHABAD	BHUNA	S-NPP	29.62647	75.62618	13:22:57	D	3.60
5	FATEHABAD	FATEHABAD	S-NPP	29.47264	75.43627	13:22:57	D	3.00
6	FATEHABAD	FATEHABAD	AQUA	29.57400	75.47800	13:59:57	D	10.80
7	FATEHABAD	FATEHABAD	AQUA	29.60700	75.33400	13:59:57	D	5.80
8	FATEHABAD	FATEHABAD	AQUA	29.60900	75.34400	13:59:57	D	5.90
9	FATEHABAD	JAKHAL	S-NPP	29.72772	75.79163	13:22:57	D	3.90
10	FATEHABAD	JAKHAL	S-NPP	29.72839	75.79571	13:22:57	D	3.90
11	FATEHABAD	JAKHAL	AQUA	29.74900	75.78300	13:59:57	D	4.60
12	FATEHABAD	RATIA	S-NPP	29.62452	75.65371	02:12:57	N	0.60
13	FATEHABAD	RATIA	S-NPP	29.63051	75.62956	13:22:57	D	2.90
14	FATEHABAD	RATIA	S-NPP	29.63448	75.56895	13:22:57	D	14.20
15	FATEHABAD	RATIA	S-NPP	29.63716	75.56409	13:22:57	D	14.20
16	FATEHABAD	RATIA	S-NPP	29.63784	75.56822	13:22:57	D	14.20
17	FATEHABAD	RATIA	AQUA	29.61400	75.56500	13:59:57	D	3.70
18	HISAR	HANSI-II	S-NPP	29.13172	76.13324	13:22:57	D	3.60
19	HISAR	HISAR-I	S-NPP	29.10552	75.76048	13:22:57	D	1.90
20	HISAR	NARNAUND	S-NPP	29.18883	76.18784	13:22:57	D	5.30
21	HISAR	NARNAUND	S-NPP	29.19216	76.18715	13:22:57	D	3.30
22	JHAJJAR	BAHADURGARH	S-NPP	28.77396	76.94875	02:12:57	N	1.50
23	JIND	ALEWA	S-NPP	29.56227	76.32317	13:22:57	D	2.00
24	JIND	JIND	S-NPP	29.33208	76.31984	13:22:57	D	2.50
25	JIND	JIND	S-NPP	29.39531	76.35738	13:22:57	D	4.30
26	JIND	JIND	S-NPP	29.39659	76.36536	13:22:57	D	6.90
27	JIND	JIND	AQUA	29.39100	76.37300	13:59:57	D	5.20
28	JIND	JULANA	S-NPP	29.15057	76.48522	13:22:57	D	3.80
29	JIND	JULANA	S-NPP	29.22195	76.33018	13:22:57	D	7.10
30	JIND	JULANA	S-NPP	29.22631	76.46545	13:22:57	D	5.70

31	JIND	SAFIDON	S-NPP	29.43300	76.55141	13:22:57	D	3.70
32	JIND	UCHANA	S-NPP	29.49893	76.19923	13:22:57	D	4.50
33	JIND	UCHANA	S-NPP	29.56163	76.31918	13:22:57	D	2.00
34	JIND	UCHANA	S-NPP	29.57674	76.22069	13:22:57	D	8.60
35	KARNAL	CHIRAO	S-NPP	29.64598	76.71561	02:12:57	N	0.70
36	KARNAL	NILOKHERI	S-NPP	29.77368	76.84669	13:22:57	D	2.80
37	KURUKSHETRA	PEHOWA	S-NPP	30.01944	76.62701	02:12:57	N	1.20
38	PANIPAT	ISRANA	S-NPP	29.31160	76.73106	13:22:57	D	2.20
39	ROHTAK	LAKHAN MAJRA	S-NPP	29.05839	76.41748	13:22:57	D	3.90
40	ROHTAK	MEHAM	S-NPP	28.90094	76.32608	13:22:57	D	4.10
41	ROHTAK	MEHAM	S-NPP	28.95365	76.41836	13:22:57	D	2.10
42	ROHTAK	MEHAM	S-NPP	28.95697	76.41767	13:22:57	D	2.40
43	ROHTAK	MEHAM	S-NPP	29.00750	76.41133	13:22:57	D	1.80
44	ROHTAK	MEHAM	S-NPP	29.01557	76.39728	13:22:57	D	2.40
45	ROHTAK	MEHAM	AQUA	28.90900	76.35000	13:59:57	D	8.30
46	ROHTAK	MEHAM	AQUA	28.91800	76.34800	13:59:57	D	15.50
47	ROHTAK	MEHAM	AQUA	28.91900	76.35800	13:59:57	D	7.60
48	ROHTAK	MEHAM	AQUA	28.92800	76.41900	13:59:57	D	4.80
49	ROHTAK	SAMPLA	S-NPP	28.81697	76.70787	13:22:57	D	3.70
50	SIRSA	BARAGUNDA	S-NPP	29.67487	75.09871	13:22:57	D	6.60
51	SIRSA	BARAGUNDA	S-NPP	29.67628	75.10133	13:22:57	D	6.40
52	SIRSA	ELLENABAD	S-NPP	29.50162	74.66274	13:22:57	D	3.70
53	SIRSA	ELLENABAD	S-NPP	29.52969	74.63821	13:22:57	D	2.70
54	SIRSA	ELLENABAD	S-NPP	29.56234	74.74409	13:22:57	D	5.70
55	SIRSA	ELLENABAD	AQUA	29.51100	74.77400	13:59:57	D	6.10
56	SIRSA	ELLENABAD	AQUA	29.52500	74.68400	13:59:57	D	4.90
57	SIRSA	RANIA	S-NPP	29.47009	74.86254	13:22:57	D	2.40
58	SIRSA	RANIA	S-NPP	29.49413	74.79434	13:22:57	D	3.70
59	SIRSA	RANIA	AQUA	29.56800	74.60200	13:59:57	D	7.10
60	SIRSA	SIRSA	S-NPP	29.45761	74.91445	13:22:57	D	5.00
61	SONIPAT	MUNDLANA	AQUA	29.25300	76.62900	13:59:57	D	7.70
62	YAMUNANAGAR	SADHAURA	AQUA	30.42300	77.28900	13:59:57	D	8.00



### Details of residue burning events in Uttar Pradesh on 22-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALIGARH	GABHANA	S-NPP	28.05106	78.11777	13:22:57	D	2.30
2	ALIGARH	KHAIR	S-NPP	28.09421	77.72902	13:22:57	D	4.60
3	ALLAHABAD	PHULPUR	AQUA	25.52400	82.10100	13:59:57	D	8.00
4	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.47187	82.64175	13:22:57	D	3.60
5	AMBEDKARNAGAR	ALAPUR	S-NPP	26.37224	83.04262	13:22:57	D	4.00
6	AMBEDKARNAGAR	ALAPUR	S-NPP	26.37250	83.04029	13:22:57	D	5.20
7	AMBEDKARNAGAR	JALALPUR	S-NPP	26.33275	82.71967	13:22:57	D	3.90
8	AMBEDKARNAGAR	JALALPUR	S-NPP	26.33554	82.72202	13:22:57	D	4.20
9	AMBEDKARNAGAR	JALALPUR	S-NPP	26.39226	82.67664	13:22:57	D	2.60
10	AMETHI	GAURIGANJ	S-NPP	26.27718	81.69299	13:22:57	D	4.00
11	AMETHI	GAURIGANJ	S-NPP	26.28145	81.66873	13:22:57	D	2.60
12	AMETHI	GAURIGANJ	S-NPP	26.29297	81.58709	13:22:57	D	6.60
13	AMETHI	MUSAFIRKHANA	S-NPP	26.53873	81.56273	13:22:57	D	4.20
14	AMROHA	HASANPUR	S-NPP	28.60024	78.21662	13:22:57	D	1.90
15	AURAIYA	AURAIYA	S-NPP	26.48330	79.53866	13:22:57	D	3.30
16	AURAIYA	AURAIYA	S-NPP	26.61348	79.42673	13:22:57	D	2.80
17	AURAIYA	AURAIYA	AQUA	26.45200	79.55700	13:59:57	D	6.50
18	AURAIYA	BIDHUNA	S-NPP	26.61587	79.63818	13:22:57	D	2.00
19	AURAIYA	BIDHUNA	S-NPP	26.74691	79.60727	13:22:57	D	4.10
20	AURAIYA	BIDHUNA	AQUA	26.81000	79.66700	13:59:57	D	6.20
21	AZAMGARH	PHULPUR	S-NPP	25.93826	82.75883	13:22:57	D	7.30
22	BAGHPAT	BAGHPAT	AQUA	28.87500	77.34400	13:59:57	D	4.60
23	BAGHPAT	BAGHPAT	AQUA	28.87600	77.35400	13:59:57	D	7.40
24	BAHRAICH	MAHASI	S-NPP	27.60736	81.42544	13:22:57	D	3.00
25	BALLIA	SIKANDARPUR	S-NPP	26.04054	83.99882	13:22:57	D	2.60
26	BALRAMPUR	BALRAMPUR	S-NPP	27.41340	82.27549	02:12:57	N	0.60
27	BALRAMPUR	TULSIPUR	S-NPP	27.48331	82.70245	13:22:57	D	4.80
28	BANDA	ATARRA	S-NPP	25.35400	80.50364	13:22:57	D	3.10
29	BANDA	ATARRA	S-NPP	25.44655	80.51810	13:22:57	D	3.30
30	BANDA	BABERU	S-NPP	25.42991	80.67184	13:22:57	D	2.10

31	BARABANKI	H Aidargarh	S-NPP	26.57753	81.35155	13:22:57	D	4.70
32	BARABANKI	H Aidargarh	S-NPP	26.60009	81.55309	13:22:57	D	2.50
33	BARABANKI	H Aidargarh	S-NPP	26.61333	81.51341	13:22:57	D	4.30
34	BARABANKI	H Aidargarh	S-NPP	26.62417	81.53210	13:22:57	D	3.30
35	BARABANKI	NAWABGANJ	S-NPP	26.82999	81.25039	02:12:57	N	0.40
36	BAREILLY	BAHERI	S-NPP	28.68796	79.46816	13:22:57	D	2.20
37	BAREILLY	BAHERI	S-NPP	28.83527	79.54955	13:22:57	D	3.20
38	BAREILLY	MIRGANJ	S-NPP	28.53500	79.34275	13:22:57	D	3.00
39	BAREILLY	MIRGANJ	S-NPP	28.62726	79.35615	13:22:57	D	1.90
40	BASTI	RUDHAULI	S-NPP	26.99245	82.81872	13:22:57	D	2.00
41	BASTI	RUDHAULI	S-NPP	27.00175	82.78763	13:22:57	D	6.30
42	BIJNOR	AFZALGARH	S-NPP	29.41139	78.73689	13:22:57	D	2.20
43	BIJNOR	BIJNOR	S-NPP	29.52360	77.99087	13:22:57	D	1.80
44	BIJNOR	DHAMPUR	S-NPP	29.15882	78.62456	13:22:57	D	3.70
45	BULANSAHAR	SHIKARPUR	S-NPP	28.31428	78.00056	13:22:57	D	1.70
46	CHITRAKOOT	KARWI	S-NPP	25.27962	81.11662	13:22:57	D	2.80
47	DEORIA	DEORIA	S-NPP	26.57921	83.63649	13:22:57	D	3.10
48	ETAWAH	BHARTHNA	S-NPP	26.66261	79.25630	13:22:57	D	2.70
49	ETAWAH	BHARTHNA	S-NPP	26.94646	79.22630	13:22:57	D	2.20
50	ETAWAH	BHARTHNA	AQUA	26.67700	79.15000	13:59:57	D	8.80
51	ETAWAH	ETAWAH	S-NPP	26.82740	79.04199	13:22:57	D	3.00
52	ETAWAH	JASWANTNAGAR	S-NPP	26.90481	78.82850	13:22:57	D	4.60
53	FAIZABAD	BIKAPUR	S-NPP	26.43346	82.23111	13:22:57	D	1.70
54	FAIZABAD	BIKAPUR	S-NPP	26.49802	82.20129	13:22:57	D	3.50
55	FAIZABAD	FAIZSBAD	S-NPP	26.65771	82.24685	13:22:57	D	4.20
56	FAIZABAD	MILKIPUR	S-NPP	26.67036	82.04446	13:22:57	D	3.40
57	FAIZABAD	SOHAWAL	AQUA	26.73900	82.04300	13:59:57	D	9.00
58	FATEHPUR	BINKI	S-NPP	26.00934	80.74752	13:22:57	D	5.50
59	FATEHPUR	BINKI	S-NPP	26.05284	80.62418	13:22:57	D	4.10
60	FATEHPUR	FATEHPUR	S-NPP	25.75243	80.79139	13:22:57	D	2.20
61	FATEHPUR	KHAGA	S-NPP	25.69003	80.99576	13:22:57	D	3.50
62	FATEHPUR	KHAGA	S-NPP	25.69101	80.99650	13:22:57	D	4.40
63	FATEHPUR	KHAGA	AQUA	25.60900	81.16400	13:59:57	D	10.30

64	GAUTAMBUDHNAGAR	JEVAR	AQUA	28.29300	77.67000	13:59:57	D	5.60
65	GAUTAMBUDHNAGAR	JEVAR	AQUA	28.29400	77.68000	13:59:57	D	7.20
66	GHAZIABAD	GHAZIABAD	S-NPP	28.72841	77.49092	13:22:57	D	1.50
67	GHAZIABAD	MODINAGAR	S-NPP	28.84270	77.50897	13:22:57	D	2.80
68	GORAKHPUR	CAMPIERGANJ	S-NPP	26.91201	83.27558	13:22:57	D	3.40
69	GORAKHPUR	CAMPIERGANJ	S-NPP	26.94260	83.36408	13:22:57	D	4.80
70	GORAKHPUR	CAMPIERGANJ	S-NPP	26.94376	83.36253	13:22:57	D	5.20
71	GORAKHPUR	CHAURI CHAURA	S-NPP	26.59762	83.61803	13:22:57	D	3.20
72	GORAKHPUR	CHAURI CHAURA	S-NPP	26.69558	83.57272	13:22:57	D	10.00
73	GORAKHPUR	CHAURI CHAURA	S-NPP	26.70630	83.59503	13:22:57	D	4.40
74	GORAKHPUR	GOLA	S-NPP	26.30588	83.41424	13:22:57	D	5.90
75	GORAKHPUR	GORAKHPUR	S-NPP	26.78048	83.56062	13:22:57	D	2.60
76	GORAKHPUR	KHAJNI	S-NPP	26.61112	83.21993	13:22:57	D	3.40
77	GORAKHPUR	KHAJNI	S-NPP	26.61223	83.22194	13:22:57	D	2.40
78	HAPUR	GARHMUKTESAR	S-NPP	28.79908	78.07465	13:22:57	D	2.60
79	HAPUR	GARHMUKTESAR	S-NPP	28.80881	78.11736	13:22:57	D	1.90
80	HAPUR	HAPUR	S-NPP	28.65564	77.68157	13:22:57	D	1.70
81	HARDOI	BILGRAM	S-NPP	26.99301	80.20496	13:22:57	D	3.20
82	HARDOI	HARDOI	S-NPP	27.43436	80.37798	02:12:57	N	0.60
83	HARDOI	SANDILA	S-NPP	27.24716	80.41421	13:22:57	D	2.70
84	HATHRAS	SIKANDRA RAO	S-NPP	27.66455	78.27139	02:12:57	N	0.40
85	JAUNPUR	MARIAHU	S-NPP	25.48742	82.57960	13:22:57	D	3.60
86	JAUNPUR	SHHGANJ	S-NPP	25.91287	82.70258	13:22:57	D	3.40
87	JHANSI	MOTH	S-NPP	25.66300	78.90845	13:22:57	D	3.30
88	JHANSI	MOTH	S-NPP	25.66356	78.91229	13:22:57	D	3.30
89	JHANSI	MOTH	S-NPP	25.80897	78.86622	13:22:57	D	2.10
90	JHANSI	MOTH	S-NPP	25.82214	78.97820	13:22:57	D	2.40
91	JHANSI	MOTH	AQUA	25.69700	78.88900	13:59:57	D	12.60
92	KANNAUJ	TIRWA	S-NPP	26.78308	79.81535	13:22:57	D	2.80
93	KANPUR	BILHAUR	S-NPP	26.77172	79.95881	13:22:57	D	2.40
94	KANPUR	GHATAMPUR	S-NPP	26.22337	80.37196	13:22:57	D	8.60
95	KANPUR DEHAT	AKBARPUR	S-NPP	26.48092	80.11959	13:22:57	D	5.20
96	KANPUR DEHAT	AKBARPUR	AQUA	26.32100	79.99500	13:59:57	D	5.60

97	KANPUR DEHAT	AKBARPUR	AQUA	26.32200	79.98900	13:59:57	D	7.30
98	KANPUR DEHAT	AKBARPUR	AQUA	26.45600	80.08300	13:59:57	D	9.50
99	KANPUR DEHAT	DERAPUR	S-NPP	26.50227	79.79716	13:22:57	D	1.40
100	KANPUR DEHAT	DERAPUR	S-NPP	26.52257	79.76895	13:22:57	D	3.30
101	KANPUR DEHAT	DERAPUR	S-NPP	26.57712	79.68967	13:22:57	D	2.80
102	KANPUR DEHAT	DERAPUR	S-NPP	26.58614	79.70451	13:22:57	D	3.20
103	KANPUR DEHAT	DERAPUR	AQUA	26.57000	79.68200	13:59:57	D	7.30
104	KANPUR DEHAT	RASULABAD	S-NPP	26.68125	79.88245	13:22:57	D	1.90
105	KANPUR DEHAT	RASULABAD	S-NPP	26.68182	79.91143	13:22:57	D	3.60
106	KANPUR DEHAT	RASULABAD	S-NPP	26.68576	79.98996	13:22:57	D	1.60
107	KANPUR DEHAT	RASULABAD	S-NPP	26.74975	79.82526	13:22:57	D	1.80
108	KANPUR DEHAT	RASULABAD	AQUA	26.66300	79.95400	13:59:57	D	6.00
109	KANPUR DEHAT	SIKANDRA	S-NPP	26.41615	79.60658	13:22:57	D	1.70
110	KANPUR DEHAT	SIKANDRA	AQUA	26.41500	79.60300	13:59:57	D	11.40
111	KAUSHAMBI	MANJHANPUR	S-NPP	25.38599	81.37762	13:22:57	D	4.50
112	KAUSHAMBI	MANJHANPUR	S-NPP	25.45400	81.24300	13:22:57	D	12.10
113	KAUSHAMBI	MANJHANPUR	S-NPP	25.47276	81.24886	13:22:57	D	7.10
114	KHERI	GOLA	S-NPP	27.91183	80.32986	02:12:57	N	0.50
115	KHERI	GOLA	S-NPP	28.09783	80.38568	13:22:57	D	3.10
116	KHERI	GOLA	S-NPP	28.19915	80.47949	02:12:57	N	1.40
117	KHERI	LAKHIMPUR	S-NPP	27.93168	80.84899	13:22:57	D	1.60
118	KHERI	LAKHIMPUR	S-NPP	28.06114	80.69198	02:12:57	N	0.90
119	KHERI	MOHMADI	S-NPP	27.74957	80.33815	13:22:57	D	2.20
120	KHERI	PALIA KALAN	S-NPP	28.36692	80.46801	13:22:57	D	9.90
121	KHERI	PALIA KALAN	S-NPP	28.40549	80.65269	13:22:57	D	2.50
122	KUSHINAGAR	HATA	S-NPP	26.74854	83.67711	13:22:57	D	1.70
123	KUSHINAGAR	HATA	S-NPP	26.76720	83.76762	13:22:57	D	3.80
124	KUSHINAGAR	HATA	S-NPP	26.78528	83.75287	13:22:57	D	4.90
125	KUSHINAGAR	HATA	S-NPP	26.78620	83.75282	13:22:57	D	4.90
126	KUSHINAGAR	HATA	S-NPP	26.79557	83.62228	13:22:57	D	6.40
127	KUSHINAGAR	HATA	S-NPP	26.79653	83.59417	13:22:57	D	2.30
128	KUSHINAGAR	HATA	S-NPP	26.81527	83.68790	13:22:57	D	4.50
129	KUSHINAGAR	HATA	S-NPP	26.82250	83.67883	13:22:57	D	3.10

130	KUSHINAGAR	HATA	S-NPP	26.84638	83.63530	13:22:57	D	4.50
131	KUSHINAGAR	HATA	S-NPP	26.88742	83.67013	13:22:57	D	3.20
132	KUSHINAGAR	HATA	S-NPP	26.88775	83.56174	13:22:57	D	4.40
133	KUSHINAGAR	HATA	S-NPP	26.88819	83.56566	13:22:57	D	5.40
134	KUSHINAGAR	HATA	S-NPP	26.89583	83.56062	13:22:57	D	3.60
135	KUSHINAGAR	HATA	S-NPP	26.91142	83.62649	13:22:57	D	7.20
136	KUSHINAGAR	HATA	S-NPP	26.92219	83.64915	13:22:57	D	10.60
137	KUSHINAGAR	HATA	S-NPP	26.92264	83.65313	13:22:57	D	10.60
138	KUSHINAGAR	HATA	AQUA	26.89200	83.56400	13:59:57	D	12.90
139	LUCKNOW	MOHANLAL GANJ	S-NPP	26.56948	81.13023	13:22:57	D	1.90
140	LUCKNOW	MOHANLAL GANJ	S-NPP	26.61371	81.13667	13:22:57	D	2.40
141	LUCKNOW	MOHANLAL GANJ	S-NPP	26.62964	81.14771	13:22:57	D	8.60
142	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.98718	83.64505	13:22:57	D	2.80
143	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.00007	83.69283	02:12:57	N	0.90
144	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.04269	83.51698	13:22:57	D	3.40
145	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.22633	83.53928	13:22:57	D	3.80
146	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.22899	83.56307	13:22:57	D	2.40
147	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.23399	83.53420	13:22:57	D	2.40
148	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.21200	83.52500	13:59:57	D	15.10
149	MAHARAJGANJ	NAUTANWA	S-NPP	27.24171	83.36283	02:12:57	N	0.50
150	MAHARAJGANJ	NICHLAUL	S-NPP	27.31754	83.65682	13:22:57	D	15.20
151	MAHARAJGANJ	NICHLAUL	S-NPP	27.32658	83.66377	13:22:57	D	6.20
152	MAHARAJGANJ	NICHLAUL	AQUA	27.31500	83.65500	13:59:57	D	27.70
153	MAINPURI	BHOGAON	S-NPP	27.10323	79.19529	13:22:57	D	2.10
154	MAINPURI	KARHAL	S-NPP	27.03873	78.99370	02:12:57	N	1.20
155	MAU	GHOSI	S-NPP	26.12902	83.55820	13:22:57	D	3.10
156	MAU	GHOSI	S-NPP	26.13010	83.55662	13:22:57	D	3.90
157	MEERUT	MAWANA	S-NPP	28.94189	77.85352	13:22:57	D	4.00
158	MEERUT	MAWANA	S-NPP	29.02524	77.91025	13:22:57	D	1.30
159	MEERUT	MEERUT	S-NPP	28.75411	77.72784	13:22:57	D	1.70
160	MEERUT	MEERUT	AQUA	29.00700	77.50400	13:59:57	D	4.80
161	MEERUT	MEERUT	AQUA	29.06300	77.50900	13:59:57	D	7.10
162	MEERUT	MEERUT	AQUA	29.06500	77.51900	13:59:57	D	7.80

163	MEERUT	SARDHANA	AQUA	29.13800	77.78400	13:59:57	D	9.80
164	MORADABAD	MORADABAD	S-NPP	28.94373	78.88270	13:22:57	D	4.00
165	MORADABAD	THAKUR DWARA	S-NPP	29.02154	78.74439	13:22:57	D	1.10
166	MUZAFARNAGAR	KHATOLI	S-NPP	29.24813	77.79932	13:22:57	D	1.90
167	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.40232	77.67223	13:22:57	D	1.50
168	PILHIBHIT	BISALPUR	S-NPP	28.29728	79.88000	02:12:57	N	0.80
169	PILHIBHIT	BISALPUR	S-NPP	28.32414	79.91007	13:22:57	D	2.60
170	PILHIBHIT	BISALPUR	S-NPP	28.33561	79.91675	13:22:57	D	1.30
171	PILHIBHIT	BISALPUR	S-NPP	28.41196	79.78789	13:22:57	D	6.60
172	PILHIBHIT	PURANPUR	S-NPP	28.75544	80.17403	13:22:57	D	4.50
173	PRATAPGARH	LALGANJ	S-NPP	26.17211	81.62792	13:22:57	D	6.70
174	PRATAPGARH	LALGANJ	AQUA	26.16900	81.62800	13:59:57	D	7.40
175	PRATAPGARH	PATTI	S-NPP	25.95116	82.20110	13:22:57	D	3.70
176	RAIBEARELI	LALGANJ	S-NPP	26.10479	80.95425	13:22:57	D	2.90
177	RAIBEARELI	MAHARAJGANG	S-NPP	26.51028	81.33920	13:22:57	D	2.30
178	RAIBEARELI	MAHARAJGANG	S-NPP	26.57051	81.13329	13:22:57	D	1.80
179	RAIBEARELI	RAEBARELI	S-NPP	26.12449	81.20901	13:22:57	D	4.50
180	RAIBEARELI	SALON	S-NPP	26.05863	81.35875	13:22:57	D	3.10
181	RAIBEARELI	SALON	S-NPP	26.13773	81.44783	13:22:57	D	2.40
182	RAIBEARELI	TILOI	S-NPP	26.32375	81.44956	02:12:57	N	0.40
183	RAMPUR	BILASPUR	AQUA	28.95600	79.37000	13:59:57	D	7.30
184	RAMPUR	TANDA	AQUA	28.90400	78.95800	13:59:57	D	5.20
185	SAMBHAL	SAMBHAL	S-NPP	28.60053	78.45187	13:22:57	D	2.40
186	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.79922	82.99408	13:22:57	D	5.90
187	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.84871	82.94032	13:22:57	D	2.40
188	SANTKABIRNAGAR	MEHDawal	S-NPP	27.00762	83.04393	13:22:57	D	15.00
189	SHAHJAHANPUR	PUWANYA	S-NPP	28.01683	80.12747	02:12:57	N	0.90
190	SHAHJAHANPUR	PUWANYA	S-NPP	28.01940	80.12630	02:12:57	N	1.00
191	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.65413	79.84577	13:22:57	D	4.50
192	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.79175	79.99081	02:12:57	N	1.30
193	SHAHJAHANPUR	TILHAR	S-NPP	27.97021	79.51417	13:22:57	D	2.20
194	SHAHJAHANPUR	TILHAR	S-NPP	27.97045	79.51524	13:22:57	D	2.30
195	SHAHJAHANPUR	TILHAR	S-NPP	27.99587	79.54854	13:22:57	D	1.60

196	SHAHJAHANPUR	TILHAR	S-NPP	28.12639	79.76335	13:22:57	D	2.50
197	SHAHJAHANPUR	TILHAR	AQUA	28.06200	79.56200	13:59:57	D	14.70
198	SHAMLI	SHAMLI	S-NPP	29.45069	77.36631	13:22:57	D	3.10
199	SHAMLI	SHAMLI	S-NPP	29.51471	77.43179	13:22:57	D	4.50
200	SHARANPUR	DEOBAND	S-NPP	29.75428	77.71868	13:22:57	D	2.20
201	SHARANPUR	DEOBAND	S-NPP	29.84159	77.59985	13:22:57	D	2.10
202	SIDDHARTHANAGAR	BANSI	S-NPP	27.13329	83.06316	13:22:57	D	2.90
203	SIDDHARTHANAGAR	BANSI	S-NPP	27.13471	82.84236	13:22:57	D	3.50
204	SIDDHARTHANAGAR	BANSI	S-NPP	27.15158	82.81787	13:22:57	D	6.60
205	SIDDHARTHANAGAR	ITWA	S-NPP	27.29109	82.69110	13:22:57	D	3.60
206	SIDDHARTHANAGAR	ITWA	S-NPP	27.37664	82.64315	13:22:57	D	3.10
207	SITAPUR	MISRIK	S-NPP	27.45775	80.51228	13:22:57	D	4.40
208	SITAPUR	MISRIK	S-NPP	27.46047	80.51107	13:22:57	D	4.10
209	SITAPUR	SITAPUR	S-NPP	27.50386	80.67355	13:22:57	D	2.00
210	SULTANPUR	KADIRPUR	S-NPP	26.24402	82.43681	13:22:57	D	3.40
211	SULTANPUR	LAMBHUA	S-NPP	26.10884	82.17919	13:22:57	D	3.80
212	SULTANPUR	SULTANPUR	S-NPP	26.49809	81.95937	02:12:57	N	1.40
213	SULTANPUR	SULTANPUR	AQUA	26.18400	82.07600	13:59:57	D	8.80
214	UNNAO	HASANGANJ	S-NPP	26.90123	80.54659	13:22:57	D	3.70
215	UNNAO	UNNAO	S-NPP	26.42633	80.66942	13:22:57	D	2.00
216	UNNAO	UNNAO	S-NPP	26.52278	80.66309	13:22:57	D	2.20
217	UNNAO	UNNAO	AQUA	26.53700	80.58700	13:59:57	D	5.60

### Details of residue burning events in Rajasthan on 22-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	BARAN	SHAHBAD	AQUA	25.09400	77.02100	13:59:57	D	7.50
2	BUNDI	BUNDI	S-NPP	25.30433	75.64907	13:22:57	D	5.60
3	CHITTAURGARH	CHITTAURGARH	S-NPP	24.83012	74.58854	02:12:57	N	0.40
4	GANGANAGAR	SURATGARH	S-NPP	29.33848	73.79038	13:22:57	D	2.00
5	GANGANAGAR	SURATGARH	S-NPP	29.34294	73.90481	13:22:57	D	4.10
6	GANGANAGAR	SURATGARH	S-NPP	29.34332	73.80212	13:22:57	D	3.70
7	GANGANAGAR	SURATGARH	S-NPP	29.35607	73.82550	13:22:57	D	4.00
8	GANGANAGAR	SURATGARH	AQUA	29.32700	73.80700	13:59:57	D	11.50
9	GANGANAGAR	SURATGARH	AQUA	29.33700	73.80500	13:59:57	D	9.80
10	GANGANAGAR	SURATGARH	AQUA	29.33900	73.87500	13:59:57	D	18.70
11	GANGANAGAR	SURATGARH	AQUA	29.34000	73.88600	13:59:57	D	5.30
12	GANGANAGAR	VIJAY NAGAR	S-NPP	29.23489	73.55409	13:22:57	D	3.50
13	HANUMANGARH	HANUMANGARH	S-NPP	29.49170	74.15033	13:22:57	D	2.60
14	HANUMANGARH	HANUMANGARH	S-NPP	29.49410	74.16399	13:22:57	D	3.30
15	HANUMANGARH	HANUMANGARH	S-NPP	29.54413	74.22535	13:22:57	D	5.40
16	HANUMANGARH	HANUMANGARH	S-NPP	29.54764	74.22453	13:22:57	D	5.40
17	HANUMANGARH	HANUMANGARH	S-NPP	29.59418	74.26078	13:22:57	D	2.00
18	HANUMANGARH	HANUMANGARH	S-NPP	29.63009	74.38304	13:22:57	D	2.60
19	HANUMANGARH	HANUMANGARH	S-NPP	29.63087	74.38750	13:22:57	D	6.70
20	HANUMANGARH	HANUMANGARH	S-NPP	29.63358	74.38224	13:22:57	D	2.60
21	HANUMANGARH	HANUMANGARH	AQUA	29.55000	74.24900	13:59:57	D	11.20
22	HANUMANGARH	HANUMANGARH	AQUA	29.60900	74.39900	13:59:57	D	33.40
23	HANUMANGARH	PILIBANGA	S-NPP	29.37168	74.00453	13:22:57	D	5.50
24	HANUMANGARH	PILIBANGA	S-NPP	29.37307	74.00107	13:22:57	D	4.80
25	HANUMANGARH	PILIBANGA	S-NPP	29.42489	73.96014	13:22:57	D	6.60
26	HANUMANGARH	PILIBANGA	S-NPP	29.44160	74.03323	13:22:57	D	10.60
27	HANUMANGARH	PILIBANGA	S-NPP	29.44242	74.03783	13:22:57	D	10.60
28	HANUMANGARH	PILIBANGA	S-NPP	29.45141	74.02615	13:22:57	D	6.20
29	HANUMANGARH	PILIBANGA	AQUA	29.42600	73.99600	13:59:57	D	5.60
30	HANUMANGARH	PILIBANGA	AQUA	29.43900	74.03300	13:59:57	D	9.20



31	HANUMANGARH	PILIBANGA	AQUA	29.44000	74.04400	13:59:57	D	16.00
32	HANUMANGARH	PILIBANGA	AQUA	29.46600	74.08400	13:59:57	D	5.90
33	HANUMANGARH	PILIBANGA	AQUA	29.47500	74.08200	13:59:57	D	26.40
34	HANUMANGARH	SANGHRIYA	S-NPP	29.61577	74.40485	13:22:57	D	8.80
35	HANUMANGARH	SANGHRIYA	S-NPP	29.61655	74.40929	13:22:57	D	7.10
36	HANUMANGARH	TIBI	S-NPP	29.53053	74.60159	13:22:57	D	28.90
37	HANUMANGARH	TIBI	S-NPP	29.53399	74.60081	13:22:57	D	28.90
38	HANUMANGARH	TIBI	S-NPP	29.56821	74.44344	13:22:57	D	6.40
39	HANUMANGARH	TIBI	S-NPP	29.57013	74.43376	13:22:57	D	3.80
40	HANUMANGARH	TIBI	S-NPP	29.57169	74.44264	13:22:57	D	6.40
41	HANUMANGARH	TIBI	S-NPP	29.57326	74.45151	13:22:57	D	4.30
42	HANUMANGARH	TIBI	S-NPP	29.57917	74.54665	13:22:57	D	1.70
43	HANUMANGARH	TIBI	S-NPP	29.58868	74.41566	13:22:57	D	3.30
44	HANUMANGARH	TIBI	S-NPP	29.58988	74.44312	13:22:57	D	8.40
45	HANUMANGARH	TIBI	AQUA	29.55200	74.56100	13:59:57	D	4.50
46	HANUMANGARH	TIBI	AQUA	29.57000	74.43600	13:59:57	D	8.10
47	HANUMANGARH	TIBI	AQUA	29.57100	74.50200	13:59:57	D	7.90
48	HANUMANGARH	TIBI	AQUA	29.57300	74.51300	13:59:57	D	6.00
49	HANUMANGARH	TIBI	AQUA	29.57800	74.54500	13:59:57	D	11.60
50	HANUMANGARH	TIBI	AQUA	29.58400	74.46600	13:59:57	D	9.20
51	HANUMANGARH	TIBI	AQUA	29.60200	74.41200	13:59:57	D	13.90
52	HANUMANGARH	TIBI	AQUA	29.61000	74.46600	13:59:57	D	9.30

### Details of residue burning events in Madhya Pradesh on 22-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BALAGHAT	LANJI	S-NPP	21.38784	80.55853	13:22:57	D	4.90
2	BETUL	BETUL	S-NPP	22.26159	78.01132	13:22:57	D	2.50
3	BETUL	BETUL	S-NPP	22.26585	77.99483	13:22:57	D	1.80
4	BETUL	BHAINSEDEHI	S-NPP	21.62664	77.87263	13:22:57	D	6.70
5	BHIND	GOHAD	S-NPP	26.46120	78.34198	13:22:57	D	2.20
6	BHIND	GOHAD	S-NPP	26.46450	78.34137	13:22:57	D	2.60
7	BHIND	GOHAD	S-NPP	26.48442	78.27057	13:22:57	D	2.30
8	BHIND	GOHAD	S-NPP	26.50294	78.26302	13:22:57	D	2.10
9	BHIND	GOHAD	S-NPP	26.50799	78.27393	13:22:57	D	1.60
10	BHIND	GOHAD	AQUA	26.45500	78.29600	13:59:57	D	5.90
11	BHIND	GOHAD	AQUA	26.45600	78.30600	13:59:57	D	5.60
12	BHIND	GOHAD	AQUA	26.46800	78.26700	13:59:57	D	5.40
13	BHIND	GOHAD	AQUA	26.50200	78.31400	13:59:57	D	5.50
14	BHOPAL	HUZUR	S-NPP	23.15336	77.52995	13:22:57	D	3.80
15	CHHINDWARA	AMARWARA	S-NPP	22.55166	79.20242	13:22:57	D	3.90
16	CHHINDWARA	CHAURAI	S-NPP	21.90569	79.24812	13:22:57	D	3.80
17	CHHINDWARA	CHAURAI	S-NPP	21.93999	79.11670	13:22:57	D	1.70
18	CHHINDWARA	PARASIA	S-NPP	22.21540	78.70525	13:22:57	D	2.10
19	DAMOH	JABERA	S-NPP	23.57181	79.87669	13:22:57	D	3.90
20	DATIA	BHANDER	S-NPP	25.89158	78.67027	13:22:57	D	3.30
21	DATIA	BHANDER	S-NPP	25.89489	78.66968	13:22:57	D	3.30
22	DATIA	BHANDER	S-NPP	25.89877	78.67290	13:22:57	D	10.10
23	DATIA	BHANDER	S-NPP	25.90552	78.69527	13:22:57	D	3.90
24	DATIA	BHANDER	S-NPP	25.91238	78.74123	13:22:57	D	2.20
25	DATIA	BHANDER	S-NPP	25.91302	78.68256	13:22:57	D	3.20
26	DATIA	BHANDER	S-NPP	25.91768	78.73680	13:22:57	D	8.30
27	DATIA	BHANDER	S-NPP	25.91850	78.67370	13:22:57	D	5.00
28	DATIA	BHANDER	AQUA	25.88800	78.66900	13:59:57	D	16.70
29	DATIA	BHANDER	AQUA	25.89000	78.68000	13:59:57	D	10.00

30	DATIA	BHANDER	AQUA	25.89700	78.66800	13:59:57	D	25.70
31	DATIA	BHANDER	AQUA	25.91700	78.67500	13:59:57	D	9.20
32	DATIA	DATIA	S-NPP	25.78033	78.42768	13:22:57	D	2.50
33	DATIA	SEONDHA	S-NPP	25.86547	78.54150	13:22:57	D	2.50
34	EAST NIMAR	KHANDWA	S-NPP	22.18664	76.39784	13:22:57	D	7.50
35	EAST NIMAR	KHANDWA	S-NPP	22.19015	76.39716	13:22:57	D	31.70
36	GUNA	GUNA	S-NPP	24.59534	77.42631	13:22:57	D	3.80
37	GUNA	GUNA	S-NPP	24.87328	77.15292	13:22:57	D	2.40
38	GWALIOR	BHITARWAR	S-NPP	25.72741	78.08060	13:22:57	D	4.40
39	GWALIOR	BHITARWAR	S-NPP	25.72917	78.09206	13:22:57	D	5.50
40	GWALIOR	BHITARWAR	S-NPP	25.72954	78.07236	13:22:57	D	4.10
41	GWALIOR	BHITARWAR	S-NPP	25.73013	78.07617	13:22:57	D	4.10
42	GWALIOR	BHITARWAR	S-NPP	25.73072	78.07999	13:22:57	D	4.40
43	GWALIOR	BHITARWAR	S-NPP	25.73263	78.04822	13:22:57	D	2.70
44	GWALIOR	BHITARWAR	S-NPP	25.75077	78.09978	13:22:57	D	2.40
45	GWALIOR	BHITARWAR	S-NPP	25.77400	77.98543	13:22:57	D	4.80
46	GWALIOR	BHITARWAR	S-NPP	25.80074	78.07078	13:22:57	D	2.10
47	GWALIOR	BHITARWAR	S-NPP	25.81008	77.95943	13:22:57	D	2.10
48	GWALIOR	BHITARWAR	S-NPP	25.81204	78.10008	13:22:57	D	2.30
49	GWALIOR	BHITARWAR	S-NPP	25.82268	78.06319	13:22:57	D	2.70
50	GWALIOR	BHITARWAR	S-NPP	25.84619	78.03913	13:22:57	D	8.30
51	GWALIOR	BHITARWAR	S-NPP	25.87561	78.12001	13:22:57	D	1.70
52	GWALIOR	BHITARWAR	S-NPP	25.89194	78.09342	13:22:57	D	3.20
53	GWALIOR	BHITARWAR	S-NPP	25.89370	78.10484	13:22:57	D	1.80
54	GWALIOR	BHITARWAR	S-NPP	25.89838	78.13539	13:22:57	D	2.60
55	GWALIOR	BHITARWAR	S-NPP	25.92133	78.17433	13:22:57	D	5.10
56	GWALIOR	BHITARWAR	S-NPP	25.92775	78.14955	13:22:57	D	5.00
57	GWALIOR	BHITARWAR	S-NPP	25.93619	78.07338	13:22:57	D	4.30
58	GWALIOR	BHITARWAR	S-NPP	25.94011	78.14335	13:22:57	D	2.50
59	GWALIOR	BHITARWAR	S-NPP	25.94083	78.03712	13:22:57	D	4.90
60	GWALIOR	BHITARWAR	S-NPP	25.94264	78.18217	13:22:57	D	3.30
61	GWALIOR	BHITARWAR	S-NPP	25.94341	78.14273	13:22:57	D	2.50
62	GWALIOR	BHITARWAR	S-NPP	25.94633	78.16183	13:22:57	D	1.80

63	GWALIOR	BHITARWAR	S-NPP	25.95431	78.19178	13:22:57	D	6.10
64	GWALIOR	BHITARWAR	S-NPP	25.95625	78.15998	13:22:57	D	4.00
65	GWALIOR	BHITARWAR	S-NPP	25.95736	78.03401	13:22:57	D	1.80
66	GWALIOR	BHITARWAR	S-NPP	25.95780	78.14790	13:22:57	D	5.30
67	GWALIOR	BHITARWAR	S-NPP	25.95897	78.15554	13:22:57	D	4.00
68	GWALIOR	BHITARWAR	S-NPP	25.96205	78.06460	13:22:57	D	8.90
69	GWALIOR	BHITARWAR	S-NPP	25.96228	78.15492	13:22:57	D	1.70
70	GWALIOR	BHITARWAR	S-NPP	25.96264	78.06842	13:22:57	D	4.10
71	GWALIOR	BHITARWAR	S-NPP	25.96539	78.19757	13:22:57	D	7.40
72	GWALIOR	BHITARWAR	S-NPP	25.96594	78.06780	13:22:57	D	4.10
73	GWALIOR	BHITARWAR	S-NPP	25.96986	78.20460	13:22:57	D	5.30
74	GWALIOR	BHITARWAR	S-NPP	25.97062	78.09832	13:22:57	D	3.00
75	GWALIOR	BHITARWAR	S-NPP	25.97784	78.16774	13:22:57	D	4.40
76	GWALIOR	BHITARWAR	S-NPP	25.98056	78.16329	13:22:57	D	3.20
77	GWALIOR	BHITARWAR	S-NPP	25.98173	78.17094	13:22:57	D	4.40
78	GWALIOR	BHITARWAR	S-NPP	25.98289	78.17858	13:22:57	D	2.60
79	GWALIOR	BHITARWAR	AQUA	25.72300	78.07300	13:59:57	D	9.00
80	GWALIOR	BHITARWAR	AQUA	25.72500	78.08300	13:59:57	D	10.30
81	GWALIOR	BHITARWAR	AQUA	25.72600	78.02200	13:59:57	D	10.00
82	GWALIOR	BHITARWAR	AQUA	25.73900	78.12100	13:59:57	D	5.70
83	GWALIOR	BHITARWAR	AQUA	25.80600	78.13400	13:59:57	D	6.60
84	GWALIOR	BHITARWAR	AQUA	25.80800	78.01100	13:59:57	D	9.90
85	GWALIOR	BHITARWAR	AQUA	25.80800	78.14400	13:59:57	D	9.50
86	GWALIOR	BHITARWAR	AQUA	25.82400	78.06000	13:59:57	D	15.60
87	GWALIOR	BHITARWAR	AQUA	25.83000	78.03800	13:59:57	D	10.20
88	GWALIOR	BHITARWAR	AQUA	25.84000	78.17900	13:59:57	D	5.60
89	GWALIOR	BHITARWAR	AQUA	25.92700	78.14800	13:59:57	D	8.00
90	GWALIOR	BHITARWAR	AQUA	25.95100	78.18500	13:59:57	D	5.80
91	GWALIOR	BHITARWAR	AQUA	25.95500	78.15400	13:59:57	D	9.80
92	GWALIOR	DABRA	S-NPP	25.83322	78.26099	13:22:57	D	5.90
93	GWALIOR	DABRA	S-NPP	25.83943	78.27945	13:22:57	D	4.50
94	GWALIOR	DABRA	S-NPP	25.84274	78.27883	13:22:57	D	4.50
95	GWALIOR	DABRA	S-NPP	25.84291	78.30235	13:22:57	D	3.70

96	GWALIOR	DABRA	S-NPP	25.84294	78.23999	13:22:57	D	6.10
97	GWALIOR	DABRA	S-NPP	25.85554	78.30044	13:22:57	D	1.60
98	GWALIOR	DABRA	S-NPP	25.85616	78.23752	13:22:57	D	6.50
99	GWALIOR	DABRA	S-NPP	25.85851	78.18606	13:22:57	D	5.70
100	GWALIOR	DABRA	S-NPP	25.86220	78.23248	13:22:57	D	5.20
101	GWALIOR	DABRA	S-NPP	25.86492	78.22804	13:22:57	D	14.80
102	GWALIOR	DABRA	S-NPP	25.86550	78.23186	13:22:57	D	14.80
103	GWALIOR	DABRA	S-NPP	25.86571	78.18864	13:22:57	D	4.50
104	GWALIOR	DABRA	S-NPP	25.88690	78.14932	13:22:57	D	1.70
105	GWALIOR	DABRA	S-NPP	25.88766	78.24344	13:22:57	D	5.20
106	GWALIOR	DABRA	S-NPP	25.89060	78.19578	13:22:57	D	4.80
107	GWALIOR	DABRA	S-NPP	25.89856	78.22571	13:22:57	D	2.80
108	GWALIOR	DABRA	S-NPP	25.90750	78.23974	13:22:57	D	1.70
109	GWALIOR	DABRA	S-NPP	25.91353	78.23470	13:22:57	D	2.90
110	GWALIOR	DABRA	S-NPP	25.91568	78.22644	13:22:57	D	3.80
111	GWALIOR	DABRA	S-NPP	25.91782	78.21819	13:22:57	D	6.10
112	GWALIOR	DABRA	S-NPP	25.91956	78.22964	13:22:57	D	2.40
113	GWALIOR	DABRA	S-NPP	25.92113	78.21757	13:22:57	D	6.10
114	GWALIOR	DABRA	S-NPP	25.92171	78.22140	13:22:57	D	6.10
115	GWALIOR	DABRA	S-NPP	25.95370	78.25476	13:22:57	D	1.80
116	GWALIOR	DABRA	S-NPP	25.95933	78.26942	13:22:57	D	6.00
117	GWALIOR	DABRA	S-NPP	25.96983	78.27140	13:22:57	D	2.50
118	GWALIOR	DABRA	S-NPP	25.97041	78.27522	13:22:57	D	2.50
119	GWALIOR	DABRA	S-NPP	25.99018	78.33834	13:22:57	D	1.90
120	GWALIOR	DABRA	AQUA	25.82200	78.18200	13:59:57	D	20.40
121	GWALIOR	DABRA	AQUA	25.83300	78.26300	13:59:57	D	6.20
122	GWALIOR	DABRA	AQUA	25.83900	78.30300	13:59:57	D	6.40
123	GWALIOR	DABRA	AQUA	25.84700	78.23000	13:59:57	D	9.00
124	GWALIOR	DABRA	AQUA	25.85700	78.23800	13:59:57	D	10.00
125	GWALIOR	DABRA	AQUA	25.85900	78.24800	13:59:57	D	9.30
126	GWALIOR	DABRA	AQUA	25.86400	78.28800	13:59:57	D	5.60
127	GWALIOR	DABRA	AQUA	25.88600	78.24300	13:59:57	D	9.30
128	GWALIOR	DABRA	AQUA	25.90200	78.23000	13:59:57	D	14.90

129	GWALIOR	DABRA	AQUA	25.91900	78.22200	13:59:57	D	6.70
130	HOSHANGABAD	BANKHERI	S-NPP	22.75284	78.63470	13:22:57	D	4.60
131	HOSHANGABAD	BANKHERI	S-NPP	22.81483	78.61956	13:22:57	D	1.90
132	HOSHANGABAD	BANKHERI	S-NPP	22.82718	78.56732	13:22:57	D	1.30
133	HOSHANGABAD	BANKHERI	S-NPP	22.89615	78.44658	13:22:57	D	2.80
134	HOSHANGABAD	BANKHERI	S-NPP	22.90981	78.42480	13:22:57	D	4.40
135	HOSHANGABAD	BANKHERI	S-NPP	22.91408	78.47418	13:22:57	D	4.10
136	HOSHANGABAD	BANKHERI	S-NPP	22.92385	78.44927	13:22:57	D	3.30
137	HOSHANGABAD	BANKHERI	AQUA	22.74400	78.62800	13:59:57	D	5.80
138	HOSHANGABAD	BANKHERI	AQUA	22.78000	78.56300	13:59:57	D	6.40
139	HOSHANGABAD	PIPARIYA	S-NPP	22.77068	78.35767	13:22:57	D	2.10
140	HOSHANGABAD	PIPARIYA	S-NPP	22.89512	78.38155	02:12:57	N	1.00
141	HOSHANGABAD	SOHAGPUR	S-NPP	22.75806	78.25541	13:22:57	D	2.90
142	JABALPUR	JABALPUR	S-NPP	22.97528	79.91248	13:22:57	D	1.90
143	JABALPUR	JABALPUR	S-NPP	23.02467	79.94674	13:22:57	D	2.40
144	JABALPUR	JABALPUR	S-NPP	23.02690	79.91531	13:22:57	D	5.80
145	JABALPUR	JABALPUR	S-NPP	23.05521	79.96875	13:22:57	D	2.10
146	JABALPUR	JABALPUR	S-NPP	23.08154	79.99512	13:22:57	D	4.10
147	JABALPUR	JABALPUR	S-NPP	23.08209	79.99893	13:22:57	D	37.10
148	JABALPUR	JABALPUR	S-NPP	23.15269	79.85090	13:22:57	D	3.50
149	JABALPUR	JABALPUR	S-NPP	23.17635	79.83192	13:22:57	D	4.60
150	JABALPUR	JABALPUR	S-NPP	23.17968	79.83134	13:22:57	D	4.60
151	JABALPUR	JABALPUR	S-NPP	23.23960	79.86770	13:22:57	D	5.20
152	JABALPUR	JABALPUR	S-NPP	23.24512	79.99916	13:22:57	D	2.00
153	JABALPUR	JABALPUR	S-NPP	23.24570	79.93279	13:22:57	D	9.20
154	JABALPUR	JABALPUR	S-NPP	23.24904	79.93222	13:22:57	D	9.20
155	JABALPUR	JABALPUR	S-NPP	23.26570	79.88268	13:22:57	D	3.20
156	JABALPUR	JABALPUR	S-NPP	23.26625	79.86314	13:22:57	D	2.40
157	JABALPUR	JABALPUR	S-NPP	23.26794	79.96798	13:22:57	D	3.70
158	JABALPUR	JABALPUR	S-NPP	23.26824	79.86251	13:22:57	D	3.90
159	JABALPUR	JABALPUR	S-NPP	23.26849	79.97178	13:22:57	D	3.70
160	JABALPUR	JABALPUR	S-NPP	23.27708	79.89991	13:22:57	D	4.00
161	JABALPUR	JABALPUR	S-NPP	23.28017	79.95810	13:22:57	D	7.10

162	JABALPUR	JABALPUR	S-NPP	23.28200	79.95751	13:22:57	D	8.40
163	JABALPUR	JABALPUR	S-NPP	23.28204	79.93412	13:22:57	D	2.10
164	JABALPUR	JABALPUR	S-NPP	23.28705	79.92157	13:22:57	D	4.40
165	JABALPUR	JABALPUR	S-NPP	23.28763	79.90199	13:22:57	D	3.30
166	JABALPUR	JABALPUR	S-NPP	23.28818	79.90579	13:22:57	D	3.30
167	JABALPUR	JABALPUR	S-NPP	23.28989	79.84714	13:22:57	D	3.00
168	JABALPUR	JABALPUR	S-NPP	23.29039	79.92100	13:22:57	D	4.00
169	JABALPUR	JABALPUR	S-NPP	23.29146	79.95201	13:22:57	D	3.10
170	JABALPUR	JABALPUR	S-NPP	23.29149	79.92861	13:22:57	D	4.10
171	JABALPUR	JABALPUR	S-NPP	23.29482	79.92804	13:22:57	D	4.10
172	JABALPUR	JABALPUR	S-NPP	23.29703	79.94327	13:22:57	D	2.50
173	JABALPUR	JABALPUR	S-NPP	23.30037	79.94270	13:22:57	D	1.70
174	JABALPUR	JABALPUR	S-NPP	23.30377	79.84866	13:22:57	D	2.20
175	JABALPUR	JABALPUR	S-NPP	23.30814	79.94917	13:22:57	D	2.20
176	JABALPUR	JABALPUR	S-NPP	23.31145	79.97201	13:22:57	D	5.30
177	JABALPUR	JABALPUR	S-NPP	23.31477	79.99488	13:22:57	D	6.10
178	JABALPUR	JABALPUR	S-NPP	23.31647	79.95946	13:22:57	D	2.90
179	JABALPUR	JABALPUR	S-NPP	23.31702	79.96326	13:22:57	D	2.90
180	JABALPUR	JABALPUR	S-NPP	23.31705	79.93985	13:22:57	D	4.50
181	JABALPUR	JABALPUR	S-NPP	23.31985	79.88871	13:22:57	D	4.00
182	JABALPUR	JABALPUR	S-NPP	23.32263	79.88434	13:22:57	D	4.20
183	JABALPUR	JABALPUR	S-NPP	23.32748	80.05920	13:22:57	D	3.60
184	JABALPUR	JABALPUR	S-NPP	23.34035	80.00618	13:22:57	D	3.40
185	JABALPUR	JABALPUR	S-NPP	23.34151	79.92008	13:22:57	D	2.60
186	JABALPUR	JABALPUR	S-NPP	23.34429	79.93911	13:22:57	D	10.00
187	JABALPUR	JABALPUR	S-NPP	23.34485	79.91951	13:22:57	D	7.30
188	JABALPUR	JABALPUR	S-NPP	23.34537	79.99360	13:22:57	D	6.20
189	JABALPUR	JABALPUR	S-NPP	23.34812	80.03614	13:22:57	D	3.70
190	JABALPUR	JABALPUR	S-NPP	23.35096	79.93797	13:22:57	D	7.30
191	JABALPUR	JABALPUR	S-NPP	23.35651	79.95264	13:22:57	D	10.50
192	JABALPUR	JABALPUR	AQUA	23.04700	79.99100	13:59:57	D	5.50
193	JABALPUR	JABALPUR	AQUA	23.07600	79.99700	13:59:57	D	10.40
194	JABALPUR	JABALPUR	AQUA	23.10700	80.01400	13:59:57	D	7.20

195	JABALPUR	JABALPUR	AQUA	23.13200	80.08000	13:59:57	D	8.30
196	JABALPUR	JABALPUR	AQUA	23.16700	79.83600	13:59:57	D	8.00
197	JABALPUR	JABALPUR	AQUA	23.24000	79.91600	13:59:57	D	9.20
198	JABALPUR	JABALPUR	AQUA	23.24200	80.00200	13:59:57	D	9.70
199	JABALPUR	JABALPUR	AQUA	23.27100	79.93300	13:59:57	D	8.50
200	JABALPUR	JABALPUR	AQUA	23.28100	79.88100	13:59:57	D	11.00
201	JABALPUR	JABALPUR	AQUA	23.28200	79.89200	13:59:57	D	8.00
202	JABALPUR	JABALPUR	AQUA	23.28300	79.95200	13:59:57	D	8.30
203	JABALPUR	JABALPUR	AQUA	23.28400	79.96300	13:59:57	D	6.00
204	JABALPUR	JABALPUR	AQUA	23.29500	79.92200	13:59:57	D	10.30
205	JABALPUR	JABALPUR	AQUA	23.34300	79.99100	13:59:57	D	6.90
206	JABALPUR	KUNDAM	S-NPP	23.23639	80.24744	13:22:57	D	6.80
207	JABALPUR	MAJHOULI	S-NPP	23.37097	79.98143	13:22:57	D	5.50
208	JABALPUR	MAJHOULI	S-NPP	23.37431	79.98085	13:22:57	D	11.50
209	JABALPUR	MAJHOULI	S-NPP	23.37765	79.98029	13:22:57	D	11.50
210	JABALPUR	MAJHOULI	S-NPP	23.38266	79.99117	13:22:57	D	2.50
211	JABALPUR	MAJHOULI	S-NPP	23.39759	79.98477	13:22:57	D	1.80
212	JABALPUR	MAJHOULI	S-NPP	23.41710	79.95409	13:22:57	D	1.90
213	JABALPUR	MAJHOULI	S-NPP	23.41766	79.95789	13:22:57	D	3.60
214	JABALPUR	MAJHOULI	S-NPP	23.42312	80.04310	13:22:57	D	6.10
215	JABALPUR	MAJHOULI	S-NPP	23.42373	79.99989	13:22:57	D	8.30
216	JABALPUR	MAJHOULI	S-NPP	23.42428	80.00372	13:22:57	D	2.40
217	JABALPUR	MAJHOULI	S-NPP	23.42652	79.99551	13:22:57	D	8.30
218	JABALPUR	MAJHOULI	S-NPP	23.42707	79.99933	13:22:57	D	8.30
219	JABALPUR	MAJHOULI	S-NPP	23.43146	80.05345	13:22:57	D	8.00
220	JABALPUR	MAJHOULI	S-NPP	23.43704	80.04466	13:22:57	D	3.20
221	JABALPUR	MAJHOULI	S-NPP	23.45272	79.86993	13:22:57	D	1.70
222	JABALPUR	MAJHOULI	S-NPP	23.46326	79.98925	13:22:57	D	4.90
223	JABALPUR	MAJHOULI	S-NPP	23.46436	80.02041	13:22:57	D	3.70
224	JABALPUR	MAJHOULI	S-NPP	23.46658	80.03572	13:22:57	D	7.30
225	JABALPUR	MAJHOULI	S-NPP	23.47159	80.04664	13:22:57	D	1.00
226	JABALPUR	MAJHOULI	S-NPP	23.47329	79.98755	13:22:57	D	5.10
227	JABALPUR	MAJHOULI	S-NPP	23.47494	80.02253	13:22:57	D	5.60



228	JABALPUR	MAJHOULI	S-NPP	23.48051	80.03728	13:22:57	D	2.40
229	JABALPUR	MAJHOULI	S-NPP	23.49166	79.97268	13:22:57	D	4.30
230	JABALPUR	MAJHOULI	S-NPP	23.50880	80.03235	13:22:57	D	5.80
231	JABALPUR	MAJHOULI	S-NPP	23.51674	79.92129	13:22:57	D	2.90
232	JABALPUR	MAJHOULI	S-NPP	23.52284	79.93981	13:22:57	D	3.10
233	JABALPUR	MAJHOULI	S-NPP	23.52343	80.14404	13:22:57	D	5.80
234	JABALPUR	MAJHOULI	S-NPP	23.52474	80.14372	13:22:57	D	7.40
235	JABALPUR	MAJHOULI	S-NPP	23.52555	80.00595	13:22:57	D	1.60
236	JABALPUR	MAJHOULI	S-NPP	23.53066	79.89936	13:22:57	D	2.20
237	JABALPUR	MAJHOULI	S-NPP	23.53286	79.93810	13:22:57	D	1.90
238	JABALPUR	MAJHOULI	S-NPP	23.53699	80.15742	13:22:57	D	7.90
239	JABALPUR	MAJHOULI	S-NPP	23.54255	80.17227	13:22:57	D	3.40
240	JABALPUR	MAJHOULI	S-NPP	23.54337	80.01076	13:22:57	D	3.40
241	JABALPUR	MAJHOULI	S-NPP	23.54341	79.96371	13:22:57	D	3.90
242	JABALPUR	MAJHOULI	S-NPP	23.54622	79.91234	13:22:57	D	4.20
243	JABALPUR	MAJHOULI	S-NPP	23.55457	79.89919	13:22:57	D	4.40
244	JABALPUR	MAJHOULI	S-NPP	23.56457	79.94442	13:22:57	D	6.80
245	JABALPUR	MAJHOULI	S-NPP	23.58126	79.96509	13:22:57	D	6.10
246	JABALPUR	MAJHOULI	S-NPP	23.59741	79.95841	13:22:57	D	6.10
247	JABALPUR	MAJHOULI	S-NPP	23.60075	79.95784	13:22:57	D	6.40
248	JABALPUR	MAJHOULI	AQUA	23.38200	79.95800	13:59:57	D	10.60
249	JABALPUR	MAJHOULI	AQUA	23.39200	79.96700	13:59:57	D	10.00
250	JABALPUR	MAJHOULI	AQUA	23.45400	80.00100	13:59:57	D	9.50
251	JABALPUR	MAJHOULI	AQUA	23.45700	79.88000	13:59:57	D	6.30
252	JABALPUR	MAJHOULI	AQUA	23.46600	80.02100	13:59:57	D	25.30
253	JABALPUR	MAJHOULI	AQUA	23.46800	80.03200	13:59:57	D	15.80
254	JABALPUR	MAJHOULI	AQUA	23.50100	80.02000	13:59:57	D	13.00
255	JABALPUR	MAJHOULI	AQUA	23.50300	80.03100	13:59:57	D	11.60
256	JABALPUR	MAJHOULI	AQUA	23.59400	79.95600	13:59:57	D	15.60
257	JABALPUR	PATAN	S-NPP	23.18911	79.82585	13:22:57	D	9.60
258	JABALPUR	PATAN	S-NPP	23.20408	79.85822	13:22:57	D	1.50
259	JABALPUR	PATAN	S-NPP	23.20686	79.76078	13:22:57	D	3.90
260	JABALPUR	PATAN	S-NPP	23.20795	79.72188	13:22:57	D	3.50

261	JABALPUR	PATAN	S-NPP	23.20959	79.68678	13:22:57	D	6.30
262	JABALPUR	PATAN	S-NPP	23.22016	79.75849	13:22:57	D	1.80
263	JABALPUR	PATAN	S-NPP	23.22461	79.81201	13:22:57	D	2.90
264	JABALPUR	PATAN	S-NPP	23.22511	79.69958	13:22:57	D	3.40
265	JABALPUR	PATAN	S-NPP	23.22793	79.78817	13:22:57	D	6.40
266	JABALPUR	PATAN	S-NPP	23.24680	79.82373	13:22:57	D	3.30
267	JABALPUR	PATAN	S-NPP	23.25066	79.78040	13:22:57	D	6.40
268	JABALPUR	PATAN	S-NPP	23.25125	79.83074	13:22:57	D	2.40
269	JABALPUR	PATAN	S-NPP	23.25399	79.77982	13:22:57	D	6.40
270	JABALPUR	PATAN	S-NPP	23.25679	79.82203	13:22:57	D	3.20
271	JABALPUR	PATAN	S-NPP	23.25845	79.81009	13:22:57	D	4.90
272	JABALPUR	PATAN	S-NPP	23.26569	79.85935	13:22:57	D	2.40
273	JABALPUR	PATAN	S-NPP	23.26721	79.71526	13:22:57	D	13.70
274	JABALPUR	PATAN	S-NPP	23.27607	79.68275	13:22:57	D	3.90
275	JABALPUR	PATAN	S-NPP	23.27939	79.68218	13:22:57	D	3.90
276	JABALPUR	PATAN	S-NPP	23.28271	79.79789	13:22:57	D	2.20
277	JABALPUR	PATAN	S-NPP	23.29268	79.81947	13:22:57	D	6.80
278	JABALPUR	PATAN	S-NPP	23.29324	79.82326	13:22:57	D	3.40
279	JABALPUR	PATAN	S-NPP	23.29601	79.81889	13:22:57	D	3.30
280	JABALPUR	PATAN	S-NPP	23.30101	79.73656	13:22:57	D	4.50
281	JABALPUR	PATAN	S-NPP	23.31542	79.85833	13:22:57	D	5.80
282	JABALPUR	PATAN	S-NPP	23.31876	79.85777	13:22:57	D	5.80
283	JABALPUR	PATAN	S-NPP	23.31931	79.83822	13:22:57	D	3.40
284	JABALPUR	PATAN	S-NPP	23.32209	79.81054	13:22:57	D	24.30
285	JABALPUR	PATAN	S-NPP	23.33205	79.73898	13:22:57	D	1.70
286	JABALPUR	PATAN	S-NPP	23.33374	79.79690	13:22:57	D	3.90
287	JABALPUR	PATAN	S-NPP	23.35095	79.82114	13:22:57	D	4.10
288	JABALPUR	PATAN	S-NPP	23.35428	79.82057	13:22:57	D	4.10
289	JABALPUR	PATAN	S-NPP	23.36318	79.85796	13:22:57	D	1.90
290	JABALPUR	PATAN	S-NPP	23.37116	79.75552	13:22:57	D	1.60
291	JABALPUR	PATAN	S-NPP	23.37776	79.84769	13:22:57	D	4.70
292	JABALPUR	PATAN	AQUA	23.23100	79.77700	13:59:57	D	9.60
293	JABALPUR	PATAN	AQUA	23.26000	79.78400	13:59:57	D	14.10

294	JABALPUR	PATAN	AQUA	23.27100	79.73300	13:59:57	D	6.60
295	JABALPUR	PATAN	AQUA	23.29000	79.80400	13:59:57	D	5.80
296	JABALPUR	PATAN	AQUA	23.29400	79.83600	13:59:57	D	15.80
297	JABALPUR	PATAN	AQUA	23.30400	79.77000	13:59:57	D	21.00
298	JABALPUR	SAHPURA	S-NPP	23.09223	79.78763	13:22:57	D	2.90
299	JABALPUR	SAHPURA	S-NPP	23.16031	79.69913	13:22:57	D	5.00
300	JABALPUR	SAHPURA	S-NPP	23.16086	79.74932	13:22:57	D	4.00
301	JABALPUR	SAHPURA	S-NPP	23.16142	79.70667	13:22:57	D	4.00
302	JABALPUR	SAHPURA	S-NPP	23.16805	79.65916	13:22:57	D	3.40
303	JABALPUR	SAHPURA	S-NPP	23.16917	79.73629	13:22:57	D	6.10
304	JABALPUR	SAHPURA	S-NPP	23.18021	79.62617	13:22:57	D	3.10
305	JABALPUR	SAHPURA	S-NPP	23.18076	79.62993	13:22:57	D	3.10
306	JABALPUR	SAHPURA	S-NPP	23.18247	79.75722	13:22:57	D	40.90
307	JABALPUR	SAHPURA	S-NPP	23.18524	79.75288	13:22:57	D	4.40
308	JABALPUR	SAHPURA	S-NPP	23.18579	79.75665	13:22:57	D	11.10
309	JABALPUR	SAHPURA	S-NPP	23.19188	79.72851	13:22:57	D	7.70
310	JABALPUR	SAHPURA	AQUA	23.15800	79.69900	13:59:57	D	13.30
311	JABALPUR	SAHPURA	AQUA	23.15900	79.70900	13:59:57	D	13.20
312	JABALPUR	SAHPURA	AQUA	23.19900	79.75000	13:59:57	D	8.70
313	JABALPUR	SIHORA	S-NPP	23.35371	80.00391	13:22:57	D	6.50
314	JABALPUR	SIHORA	S-NPP	23.37368	80.11806	13:22:57	D	6.40
315	JABALPUR	SIHORA	S-NPP	23.38646	80.18279	13:22:57	D	2.70
316	JABALPUR	SIHORA	S-NPP	23.38653	80.08842	13:22:57	D	1.20
317	JABALPUR	SIHORA	S-NPP	23.39157	80.00529	13:22:57	D	5.30
318	JABALPUR	SIHORA	S-NPP	23.39379	80.02057	13:22:57	D	4.00
319	JABALPUR	SIHORA	S-NPP	23.40042	80.18438	13:22:57	D	3.30
320	JABALPUR	SIHORA	S-NPP	23.40754	80.03006	13:22:57	D	3.50
321	JABALPUR	SIHORA	S-NPP	23.43625	80.18243	13:22:57	D	3.30
322	JABALPUR	SIHORA	S-NPP	23.44015	80.18571	13:22:57	D	3.30
323	JABALPUR	SIHORA	S-NPP	23.44135	80.14611	13:22:57	D	6.10
324	JABALPUR	SIHORA	S-NPP	23.44190	80.14995	13:22:57	D	2.30
325	JABALPUR	SIHORA	S-NPP	23.44506	80.24413	13:22:57	D	3.90
326	JABALPUR	SIHORA	S-NPP	23.45641	80.15538	13:22:57	D	3.80

327	JABALPUR	SIHORA	S-NPP	23.45688	80.20657	13:22:57	D	5.20
328	JABALPUR	SIHORA	S-NPP	23.46432	80.06750	13:22:57	D	4.30
329	JABALPUR	SIHORA	S-NPP	23.46878	80.07460	13:22:57	D	4.00
330	JABALPUR	SIHORA	S-NPP	23.47878	80.12009	13:22:57	D	2.70
331	JABALPUR	SIHORA	S-NPP	23.47882	80.07290	13:22:57	D	3.70
332	JABALPUR	SIHORA	S-NPP	23.49495	80.13705	13:22:57	D	3.50
333	JABALPUR	SIHORA	AQUA	23.39000	80.02200	13:59:57	D	7.70
334	JABALPUR	SIHORA	AQUA	23.42700	80.23800	13:59:57	D	16.40
335	JABALPUR	SIHORA	AQUA	23.42900	80.24900	13:59:57	D	5.50
336	JABALPUR	SIHORA	AQUA	23.43900	80.18000	13:59:57	D	8.60
337	JABALPUR	SIHORA	AQUA	23.46900	80.26500	13:59:57	D	6.10
338	KATNI	BAHURIBAND	S-NPP	23.62158	80.06439	13:22:57	D	2.20
339	KATNI	BAHURIBAND	S-NPP	23.63434	80.10558	13:22:57	D	2.90
340	KATNI	BAHURIBAND	S-NPP	23.63438	80.08192	13:22:57	D	3.20
341	KATNI	BAHURIBAND	S-NPP	23.68512	80.12461	13:22:57	D	2.20
342	KATNI	BAHURIBAND	S-NPP	23.70973	80.05727	13:22:57	D	4.10
343	KATNI	BAHURIBAND	S-NPP	23.74980	79.99193	13:22:57	D	3.90
344	KATNI	BAHURIBAND	S-NPP	23.75539	79.98312	13:22:57	D	3.00
345	KATNI	BAHURIBAND	AQUA	23.61000	80.00800	13:59:57	D	7.20
346	KATNI	BAHURIBAND	AQUA	23.62800	80.07200	13:59:57	D	7.10
347	KATNI	BARBARA	S-NPP	23.77728	80.50409	13:22:57	D	2.40
348	KATNI	DHIMERKHEDA	S-NPP	23.46896	80.31537	13:22:57	D	2.20
349	KATNI	DHIMERKHEDA	S-NPP	23.50715	80.24554	13:22:57	D	2.60
350	KATNI	DHIMERKHEDA	S-NPP	23.53009	80.26149	13:22:57	D	2.40
351	KATNI	DHIMERKHEDA	S-NPP	23.53456	80.26868	13:22:57	D	5.70
352	KATNI	DHIMERKHEDA	S-NPP	23.53512	80.27254	13:22:57	D	5.70
353	KATNI	DHIMERKHEDA	S-NPP	23.54678	80.27448	13:22:57	D	5.90
354	KATNI	MURBARA	S-NPP	23.77390	80.50465	13:22:57	D	2.40
355	MANDLA	BACHHIYA	S-NPP	22.45232	80.68855	13:22:57	D	2.60
356	MANDLA	NAINPUR	S-NPP	22.38651	80.18301	13:22:57	D	3.40
357	MANDLA	NAINPUR	S-NPP	22.43160	80.11736	13:22:57	D	5.50
358	MANDLA	NAINPUR	S-NPP	22.43543	80.19027	13:22:57	D	1.40
359	MANDLA	NAINPUR	S-NPP	22.48068	80.15907	13:22:57	D	3.10

360	MANDLA	NAINPUR	S-NPP	22.49193	80.04884	13:22:57	D	1.60
361	MANDLA	NAINPUR	S-NPP	22.49691	80.05959	13:22:57	D	4.10
362	MANDLA	NAINPUR	S-NPP	22.50637	80.03094	13:22:57	D	3.30
363	MANDLA	NAINPUR	S-NPP	22.52356	80.05506	13:22:57	D	1.20
364	MANDLA	NAINPUR	S-NPP	22.54431	80.03992	13:22:57	D	4.20
365	MANDLA	NAINPUR	AQUA	22.44800	80.10500	13:59:57	D	5.20
366	NARSHIMAPURA	GADARWARA	S-NPP	22.78135	78.73312	13:22:57	D	0.90
367	NARSHIMAPURA	GADARWARA	S-NPP	22.80230	78.84162	02:12:57	N	0.70
368	NARSHIMAPURA	GADARWARA	S-NPP	22.84479	78.63724	13:22:57	D	1.50
369	NARSHIMAPURA	GADARWARA	S-NPP	22.86006	78.69212	13:22:57	D	5.40
370	NARSHIMAPURA	GOTECAON	S-NPP	22.98635	79.41684	13:22:57	D	1.90
371	NARSHIMAPURA	GOTECAON	S-NPP	23.03841	79.51537	13:22:57	D	2.70
372	NARSHIMAPURA	GOTECAON	S-NPP	23.05554	79.51624	13:22:57	D	2.50
373	NARSHIMAPURA	KARELI	S-NPP	22.95123	79.07035	13:22:57	D	1.80
374	NARSHIMAPURA	KARELI	S-NPP	22.95615	79.05799	13:22:57	D	2.90
375	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.76747	79.30991	13:22:57	D	1.80
376	PANNA	PANNA	S-NPP	24.52299	80.45984	13:22:57	D	2.00
377	PANNA	PANNA	S-NPP	24.60733	80.31580	13:22:57	D	3.10
378	PANNA	PAWAI	AQUA	24.28400	80.24400	13:59:57	D	5.50
379	PANNA	SHAHNAGAR	S-NPP	23.97239	79.98951	13:22:57	D	5.10
380	RAISEN	BARELI	S-NPP	22.88003	78.03807	13:22:57	D	1.40
381	RAISEN	BARELI	S-NPP	22.93315	78.09916	13:22:57	D	6.30
382	RAISEN	BARELI	S-NPP	22.93442	78.21563	13:22:57	D	1.80
383	RAISEN	BARELI	S-NPP	22.98581	78.36900	13:22:57	D	2.30
384	RAISEN	BARELI	AQUA	22.87900	78.09200	13:59:57	D	6.00
385	RAISEN	GOHARGANJ	S-NPP	23.01634	77.63919	13:22:57	D	2.00
386	RAISEN	GOHARGANJ	S-NPP	23.01970	77.63856	13:22:57	D	2.00
387	RAISEN	GOHARGANJ	S-NPP	23.04195	77.63850	13:22:57	D	4.70
388	RAISEN	GOHARGANJ	S-NPP	23.05021	77.56132	13:22:57	D	2.30
389	RAISEN	GOHARGANJ	AQUA	23.17400	77.58500	13:59:57	D	5.30
390	RAISEN	RAISEN	S-NPP	23.40867	77.85486	13:22:57	D	1.60
391	REWA	HANUMANA	S-NPP	24.72213	81.94760	13:22:57	D	1.90
392	REWA	HUZUR	S-NPP	24.43269	81.25342	13:22:57	D	4.30

393	REWA	HUZUR	S-NPP	24.43384	81.26968	13:22:57	D	4.10
394	REWA	HUZUR	S-NPP	24.43501	81.25226	13:22:57	D	4.40
395	REWA	SIRMAUR	S-NPP	24.65600	81.29187	13:22:57	D	1.90
396	REWA	SIRMAUR	S-NPP	24.65678	81.29268	13:22:57	D	3.50
397	REWA	SIRMAUR	S-NPP	24.68506	81.21017	13:22:57	D	2.60
398	REWA	SIRMAUR	S-NPP	24.73340	81.14635	13:22:57	D	13.10
399	REWA	SIRMAUR	S-NPP	24.75975	81.15122	13:22:57	D	1.70
400	REWA	SIRMAUR	AQUA	24.71400	81.34100	13:59:57	D	6.40
401	REWA	SIRMAUR	AQUA	24.73100	81.14600	13:59:57	D	7.40
402	REWA	TEONTHAR	S-NPP	25.00166	81.59050	13:22:57	D	3.40
403	SAGAR	DEVRI	S-NPP	23.50802	79.08275	13:22:57	D	1.80
404	SATNA	AMARPATAN	S-NPP	24.30504	81.00068	13:22:57	D	1.50
405	SATNA	AMARPATAN	S-NPP	24.32781	81.06457	13:22:57	D	2.20
406	SATNA	AMARPATAN	S-NPP	24.36122	81.07612	13:22:57	D	4.60
407	SATNA	AMARPATAN	S-NPP	24.37302	80.93085	13:22:57	D	3.30
408	SATNA	AMARPATAN	S-NPP	24.42636	81.18919	13:22:57	D	3.20
409	SATNA	AMARPATAN	S-NPP	24.45203	81.21159	13:22:57	D	4.00
410	SATNA	AMARPATAN	S-NPP	24.45652	81.08689	13:22:57	D	3.70
411	SATNA	AMARPATAN	S-NPP	24.48299	81.12520	13:22:57	D	2.40
412	SATNA	MAIHAR	S-NPP	23.99400	80.80790	13:22:57	D	2.60
413	SATNA	MAIHAR	S-NPP	24.21991	80.75504	13:22:57	D	2.80
414	SATNA	MAIHAR	S-NPP	24.26472	80.78175	13:22:57	D	1.40
415	SATNA	MAJHG>WAN	S-NPP	24.78394	81.01437	13:22:57	D	3.20
416	SATNA	NAGOD	S-NPP	24.48082	80.58162	13:22:57	D	1.60
417	SATNA	NAGOD	S-NPP	24.48367	80.57704	13:22:57	D	11.00
418	SATNA	NAGOD	S-NPP	24.59384	80.59226	13:22:57	D	2.40
419	SATNA	NAGOD	S-NPP	24.62245	80.47237	13:22:57	D	5.60
420	SATNA	NAGOD	S-NPP	24.65469	80.60286	13:22:57	D	2.20
421	SATNA	NAGOD	AQUA	24.48000	80.58000	13:59:57	D	5.70
422	SATNA	NAGOD	AQUA	24.53300	80.60800	13:59:57	D	7.20
423	SATNA	NAGOD	AQUA	24.65200	80.56600	13:59:57	D	6.50
424	SATNA	NAGOD	AQUA	24.66600	80.60000	13:59:57	D	5.70
425	SATNA	RAGURAJNAGAR	S-NPP	24.52390	80.86948	13:22:57	D	2.90

426	SATNA	RAGURAJNAGAR	S-NPP	24.52446	80.87359	13:22:57	D	2.90
427	SATNA	RAGURAJNAGAR	S-NPP	24.65975	80.97034	13:22:57	D	2.10
428	SATNA	RAMPURBAGHLEAN	S-NPP	24.43188	81.03569	13:22:57	D	3.10
429	SATNA	RAMPURBAGHLEAN	S-NPP	24.43245	81.03983	13:22:57	D	4.20
430	SATNA	RAMPURBAGHLEAN	S-NPP	24.53584	80.90535	13:22:57	D	4.60
431	SATNA	RAMPURBAGHLEAN	S-NPP	24.55188	80.91958	13:22:57	D	3.80
432	SATNA	RAMPURBAGHLEAN	S-NPP	24.55802	80.99036	13:22:57	D	3.60
433	SATNA	RAMPURBAGHLEAN	S-NPP	24.57763	80.97874	13:22:57	D	2.90
434	SATNA	RAMPURBAGHLEAN	S-NPP	24.58023	81.10156	13:22:57	D	4.20
435	SATNA	RAMPURBAGHLEAN	S-NPP	24.58383	81.04987	13:22:57	D	3.30
436	SATNA	RAMPURBAGHLEAN	S-NPP	24.62943	81.06030	13:22:57	D	4.50
437	SATNA	RAMPURBAGHLEAN	S-NPP	24.63198	81.00030	13:22:57	D	6.60
438	SATNA	RAMPURBAGHLEAN	S-NPP	24.63544	80.99974	13:22:57	D	6.50
439	SATNA	RAMPURBAGHLEAN	S-NPP	24.66080	81.00414	13:22:57	D	5.00
440	SATNA	RAMPURBAGHLEAN	S-NPP	24.69016	81.03770	13:22:57	D	19.90
441	SATNA	RAMPURBAGHLEAN	AQUA	24.62800	81.05100	13:59:57	D	16.20
442	SATNA	UCHAHAR	S-NPP	24.40112	80.80977	13:22:57	D	2.30
443	SEHORE	BUDHNI	S-NPP	22.70491	77.44061	02:12:57	N	0.40
444	SEHORE	BUDHNI	S-NPP	22.84708	77.98156	13:22:57	D	5.80
445	SEHORE	BUDHNI	S-NPP	22.85009	78.00059	13:22:57	D	2.00
446	SEHORE	BUDHNI	S-NPP	22.85785	77.79939	13:22:57	D	1.90
447	SEHORE	BUDHNI	S-NPP	22.87381	77.89880	13:22:57	D	0.60
448	SEHORE	BUDHNI	S-NPP	22.87840	77.94897	13:22:57	D	2.70
449	SEHORE	BUDHNI	S-NPP	22.88204	77.97182	13:22:57	D	2.40
450	SEHORE	BUDHNI	S-NPP	22.90297	77.95226	13:22:57	D	3.00
451	SEHORE	BUDHNI	AQUA	22.88800	77.96300	13:59:57	D	9.00
452	SEHORE	ICHHAWAR	S-NPP	23.03823	77.03767	13:22:57	D	1.80
453	SEHORE	ICHHAWAR	S-NPP	23.03888	77.04166	13:22:57	D	3.30
454	SEONI	GHANSAUR	S-NPP	22.39458	79.80363	13:22:57	D	3.10
455	SEONI	GHANSAUR	S-NPP	22.45265	79.75916	13:22:57	D	1.80
456	SEONI	GHANSAUR	S-NPP	22.46484	79.81847	13:22:57	D	1.90
457	SEONI	GHANSAUR	S-NPP	22.59044	79.91232	13:22:57	D	2.50
458	SEONI	KEWLARI	S-NPP	22.30645	79.86892	13:22:57	D	5.20

459	SEONI	KURAI	S-NPP	21.96533	79.50764	13:22:57	D	2.20
460	SEONI	KURAI	S-NPP	21.96976	79.51448	13:22:57	D	4.80
461	SEONI	LAKHNADOU	S-NPP	22.40228	79.62610	13:22:57	D	4.90
462	SEONI	LAKHNADOU	AQUA	22.40200	79.62700	13:59:57	D	6.60
463	SEONI	SEONI	S-NPP	22.04013	79.50972	13:22:57	D	3.50
464	SEONI	SEONI	S-NPP	22.09874	79.60622	13:22:57	D	3.50
465	SEONI	SEONI	S-NPP	22.11304	79.56564	13:22:57	D	2.10
466	SEONI	SEONI	S-NPP	22.18565	79.53362	13:22:57	D	2.30
467	SEONI	SEONI	S-NPP	22.25199	79.61373	13:22:57	D	4.90
468	SEONI	SEONI	AQUA	22.19000	79.41700	13:59:57	D	5.90
469	SHAJAPUR	KALA PIPAL	S-NPP	23.20494	76.75288	13:22:57	D	3.90
470	SHAJAPUR	SHAJAPUR	S-NPP	23.31147	76.34691	13:22:57	D	13.00
471	SHAJAPUR	SHAJAPUR	S-NPP	23.31217	76.35107	13:22:57	D	4.70
472	SHAJAPUR	SUJALPUR	S-NPP	23.24086	76.51031	13:22:57	D	6.60
473	SHAJAPUR	SUJALPUR	S-NPP	23.24432	76.50964	13:22:57	D	5.10
474	SHIVPURI	NARWAR	S-NPP	25.57851	78.16741	13:22:57	D	2.50
475	SHIVPURI	NARWAR	S-NPP	25.60027	78.26520	13:22:57	D	7.90
476	SHIVPURI	NARWAR	S-NPP	25.61145	77.98847	13:22:57	D	4.30
477	SHIVPURI	NARWAR	S-NPP	25.61855	78.27356	13:22:57	D	1.60
478	SHIVPURI	NARWAR	S-NPP	25.62691	78.28376	13:22:57	D	2.90
479	SHIVPURI	NARWAR	S-NPP	25.62949	78.28310	13:22:57	D	3.40
480	SHIVPURI	NARWAR	S-NPP	25.63123	78.29453	13:22:57	D	2.90
481	SHIVPURI	NARWAR	S-NPP	25.63610	78.28187	13:22:57	D	5.10
482	SHIVPURI	NARWAR	S-NPP	25.63708	78.26601	13:22:57	D	1.90
483	SHIVPURI	NARWAR	S-NPP	25.65733	78.17602	13:22:57	D	4.60
484	SHIVPURI	NARWAR	S-NPP	25.66219	78.16338	13:22:57	D	4.80
485	SHIVPURI	NARWAR	S-NPP	25.66626	78.25668	13:22:57	D	3.40
486	SHIVPURI	NARWAR	S-NPP	25.68141	78.28914	13:22:57	D	2.20
487	SHIVPURI	NARWAR	S-NPP	25.68841	78.06825	13:22:57	D	1.10
488	SHIVPURI	NARWAR	S-NPP	25.69406	78.08289	13:22:57	D	5.00
489	SHIVPURI	NARWAR	S-NPP	25.69580	78.00800	13:22:57	D	2.10
490	SHIVPURI	NARWAR	S-NPP	25.70608	77.98643	13:22:57	D	2.40
491	SHIVPURI	NARWAR	S-NPP	25.71246	77.96165	13:22:57	D	3.20



492	SHIVPURI	NARWAR	S-NPP	25.71360	78.07927	13:22:57	D	2.90
493	SHIVPURI	NARWAR	S-NPP	25.71419	78.08308	13:22:57	D	4.80
494	SHIVPURI	NARWAR	S-NPP	25.71594	78.09453	13:22:57	D	2.80
495	SHIVPURI	NARWAR	S-NPP	25.71691	78.07864	13:22:57	D	2.90
496	SHIVPURI	NARWAR	S-NPP	25.72462	78.01830	13:22:57	D	11.90
497	SHIVPURI	NARWAR	S-NPP	25.73916	77.98019	13:22:57	D	9.30
498	SHIVPURI	NARWAR	AQUA	25.63100	78.27500	13:59:57	D	5.30
499	SHIVPURI	NARWAR	AQUA	25.65100	78.14200	13:59:57	D	5.00
500	SHIVPURI	NARWAR	AQUA	25.66200	78.16100	13:59:57	D	4.50
501	SHIVPURI	NARWAR	AQUA	25.70800	77.96400	13:59:57	D	8.90
502	SHIVPURI	NARWAR	AQUA	25.73800	77.97900	13:59:57	D	6.00
503	SIDHI	CHORHAT	S-NPP	24.46669	81.69916	13:22:57	D	2.50
504	UJJAIN	TARANA	S-NPP	23.50673	76.15303	13:22:57	D	3.40
505	UJJAIN	TARANA	S-NPP	23.53741	76.12060	13:22:57	D	3.80
506	UJJAIN	TARANA	S-NPP	23.53882	76.12903	13:22:57	D	3.30
507	VIDESHA	NATERAN	S-NPP	23.92543	77.71524	13:22:57	D	3.40
508	VIDESHA	NATERAN	S-NPP	23.92604	77.71907	13:22:57	D	2.90
509	VIDESHA	VIDESHA	S-NPP	23.44284	77.92526	02:12:57	N	0.50
510	VIDESHA	VIDESHA	S-NPP	23.56603	77.79399	13:22:57	D	1.60

**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 (ISRO)**

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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)

The DASHBOARD for paddy residue burning events is available at weblink: [CREAMS Fire Dashboard](#)

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