

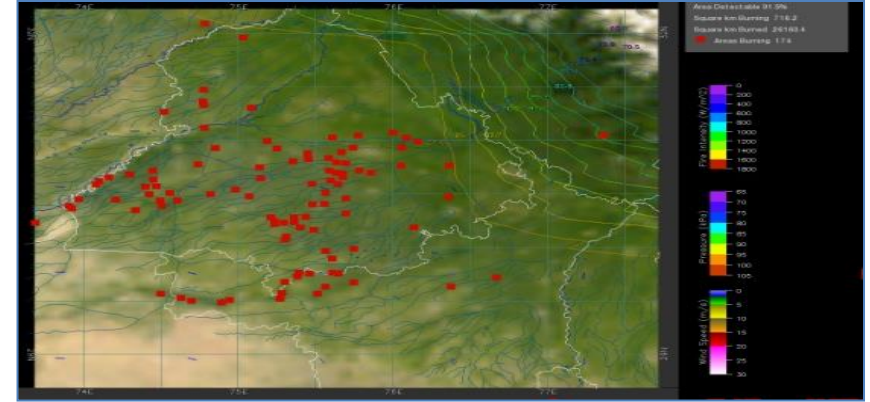
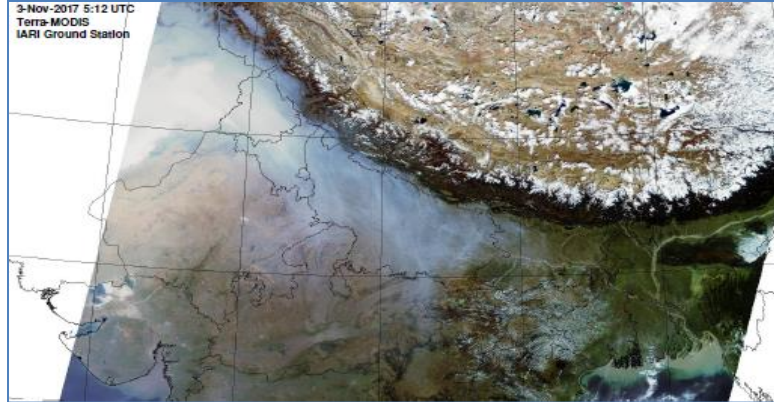


# MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2024

Bulletin  
No. 49

Events Date:  
02-Nov-2024

Issued on:  
02-Nov-2024



Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS)  
Laboratory,

Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

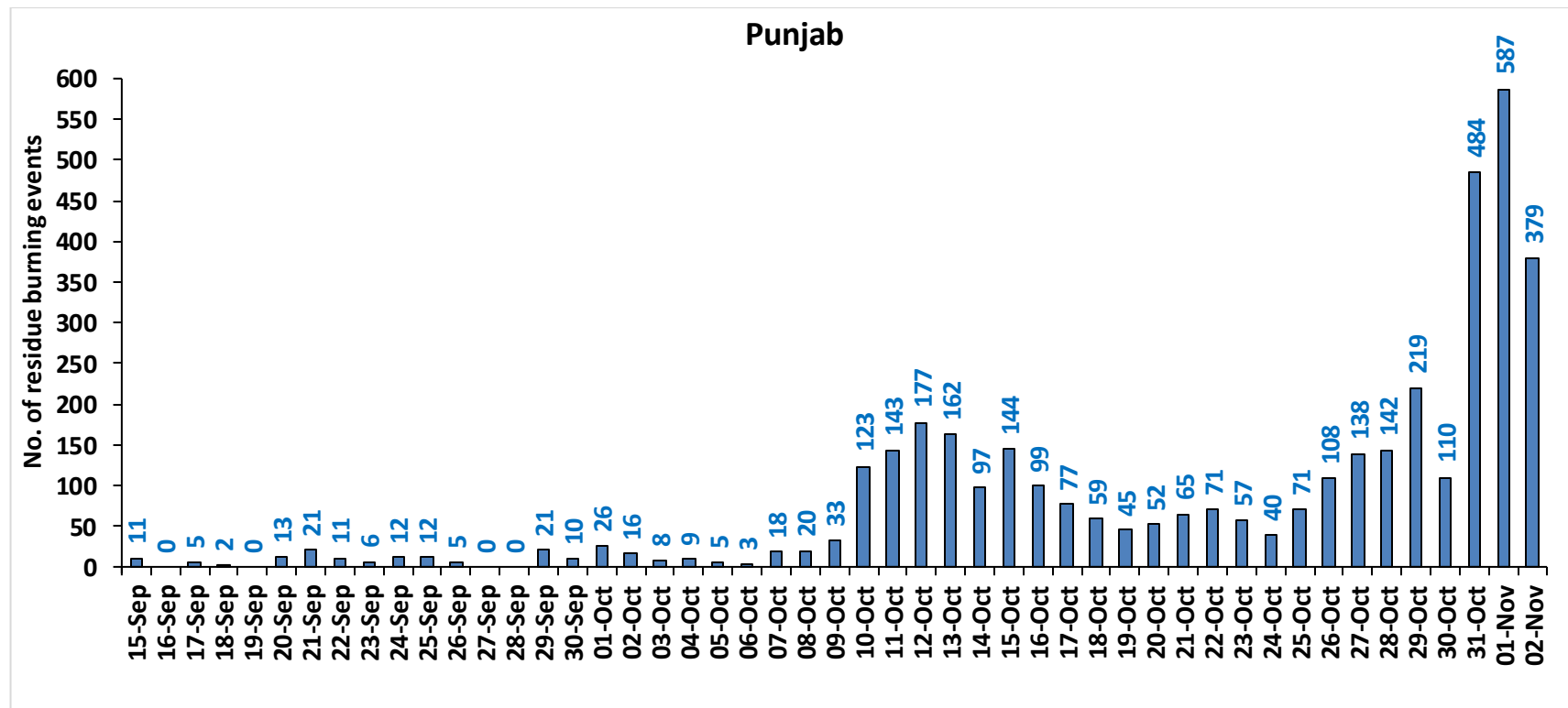
<https://creams.iari.res.in>

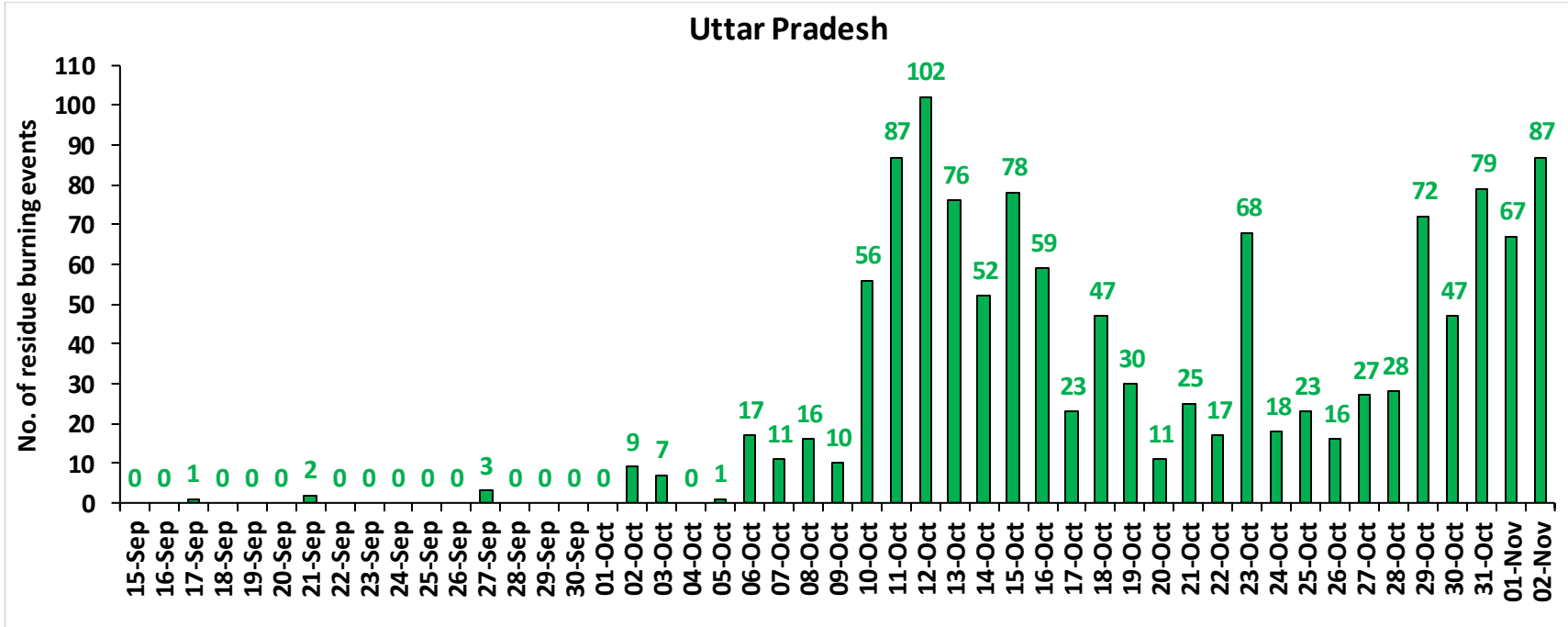
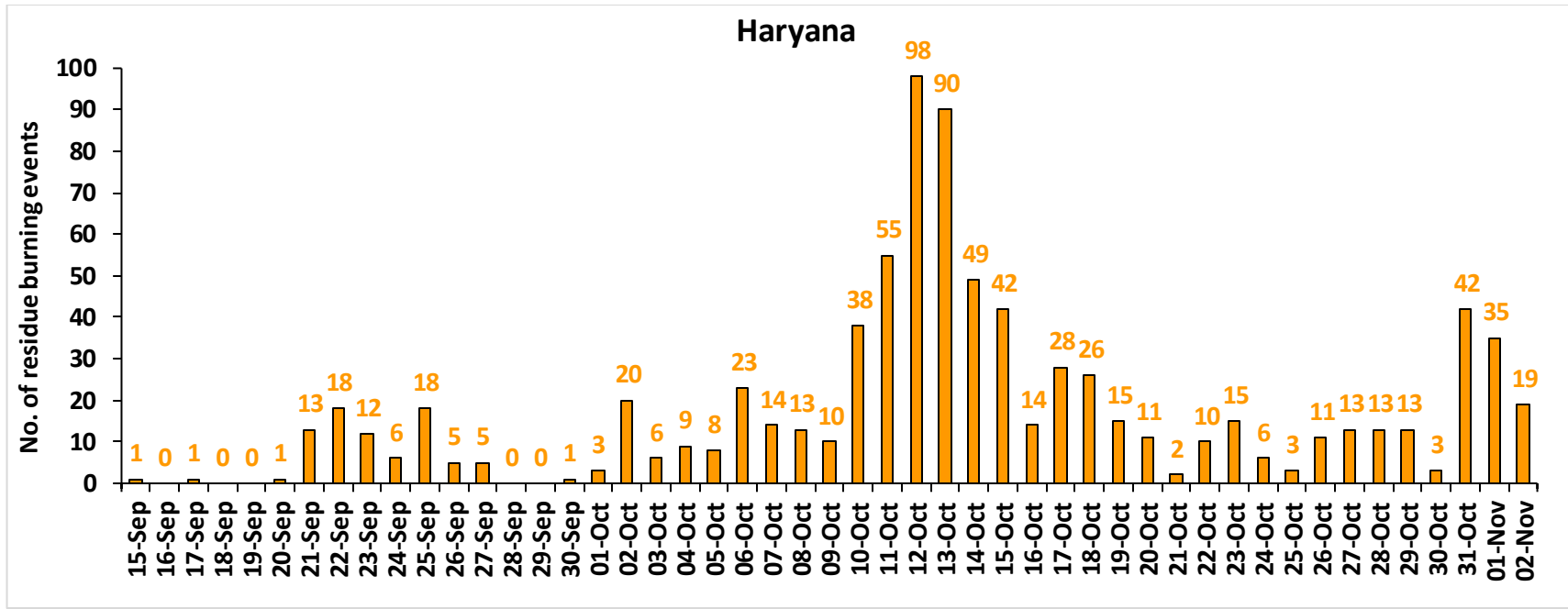


## Highlights for 02-Nov-2024

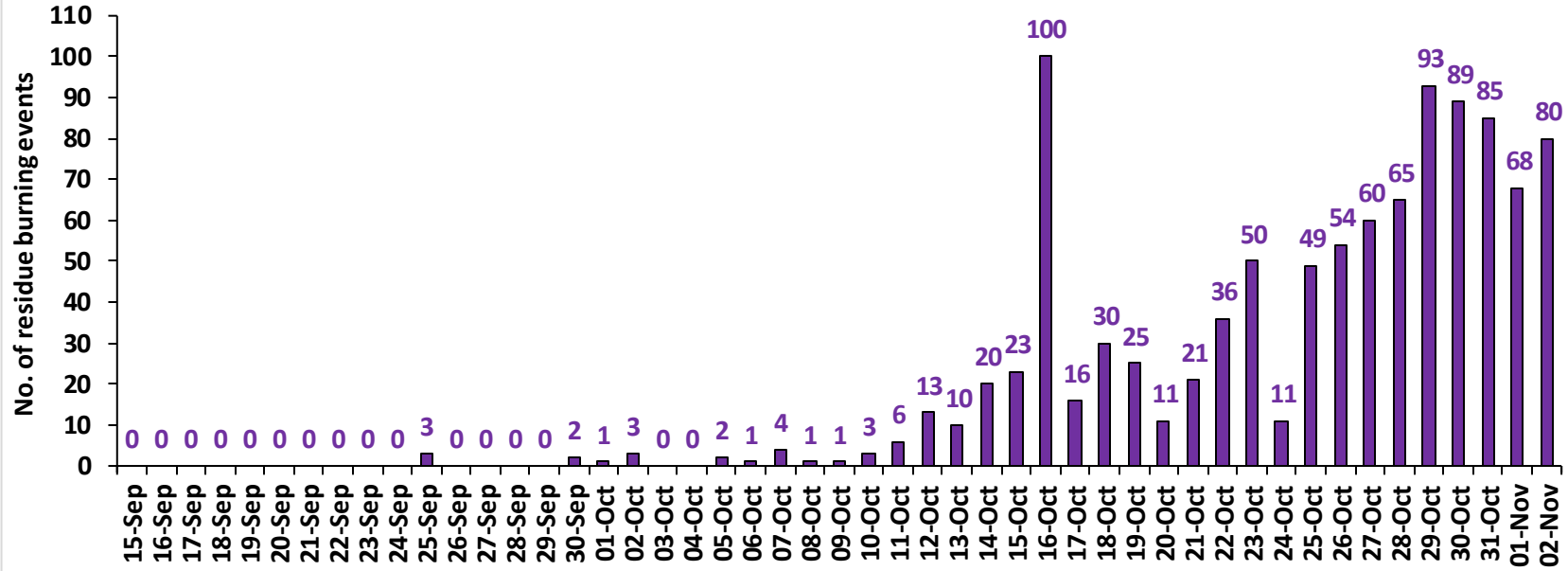
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol " recommended by CAQM.
- Satellites detected **861** residue burning events in the six study States on **02-Nov-2024**.
- The state wise events detected on **02-Nov-2024** were **379** in Punjab, **19** in Haryana, **87** in UP, **00** in Delhi, **80** in Rajasthan and **296** in MP.
- Total **9376** burning events were detected in the six states between **15-Sept-2024** and **02-Nov-2024**, which are distributed as **3916**, **838**, **1272**, **12**, **1036** and **2302** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

### Temporal distribution of rice residue burning events for the study States in 2024

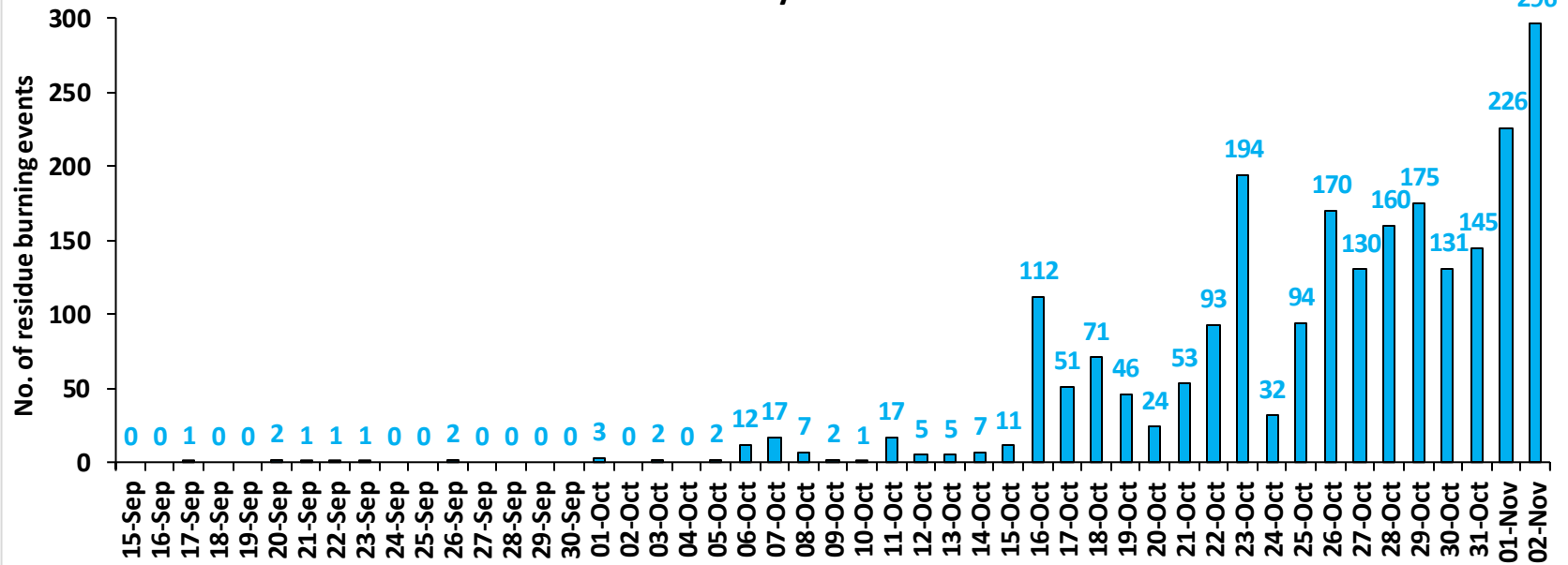




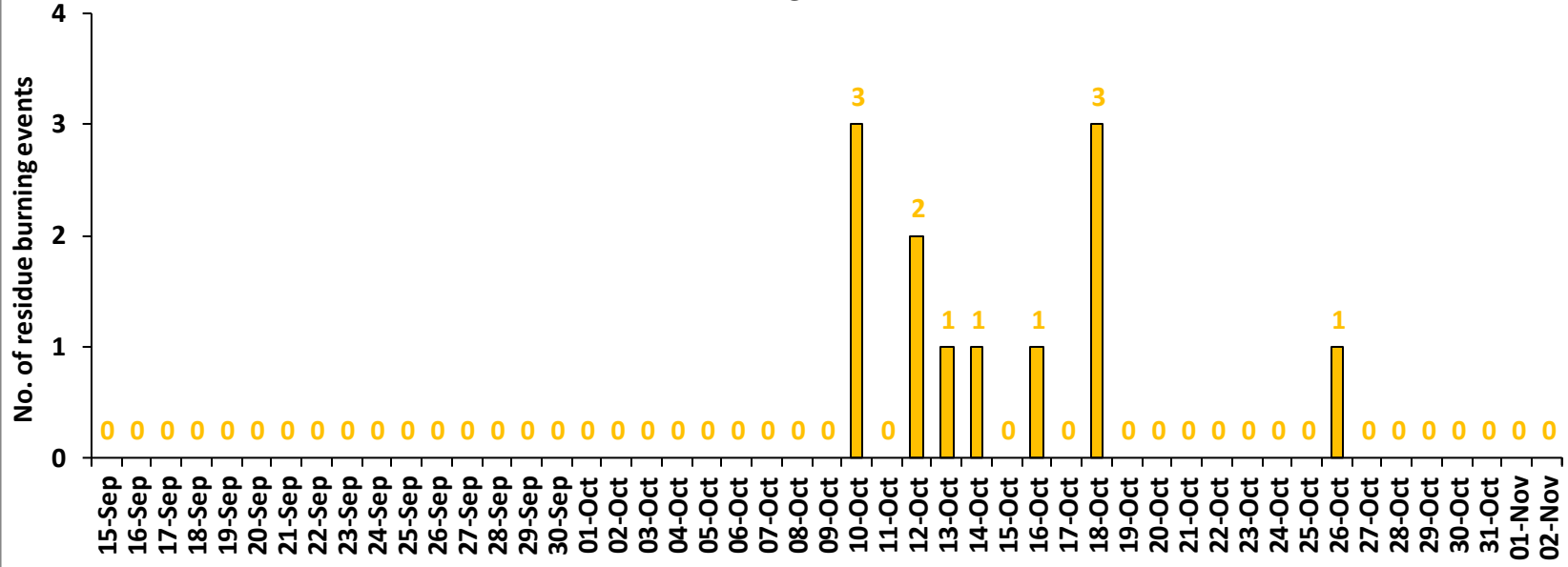
### Rajasthan



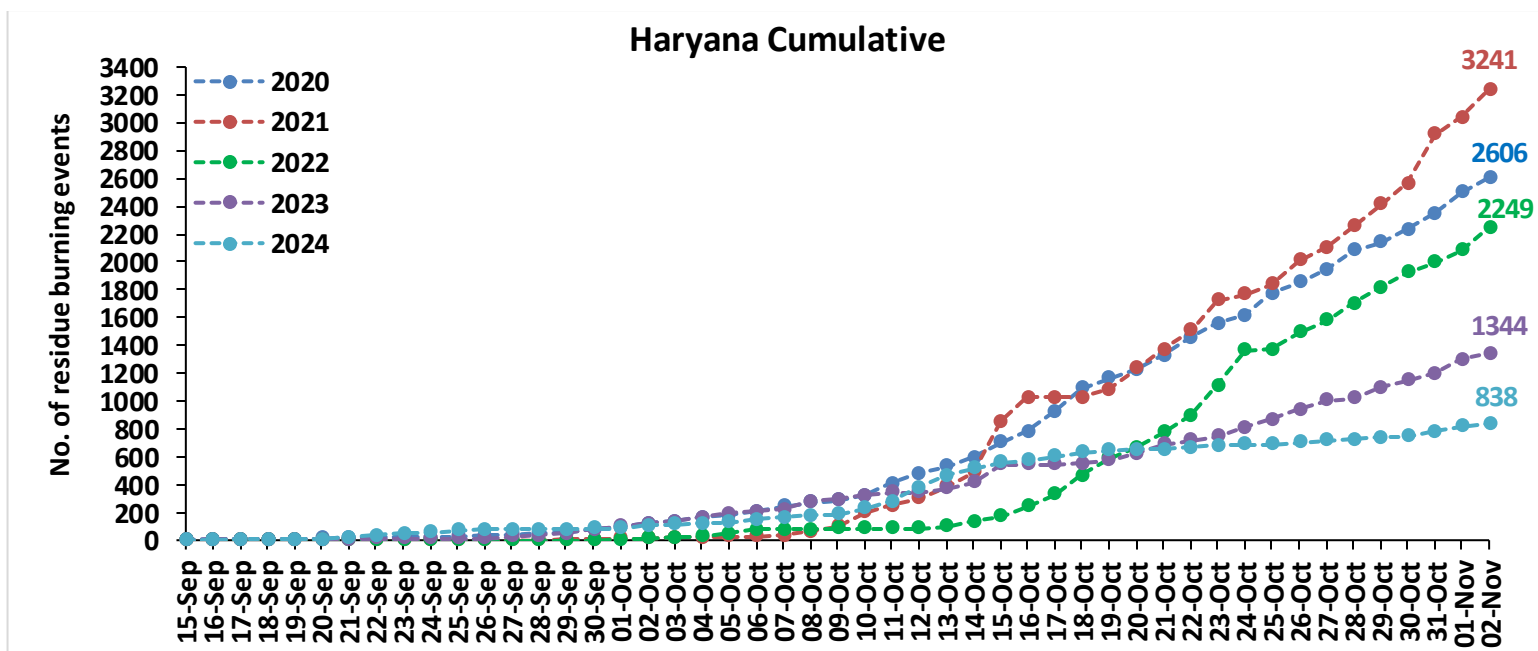
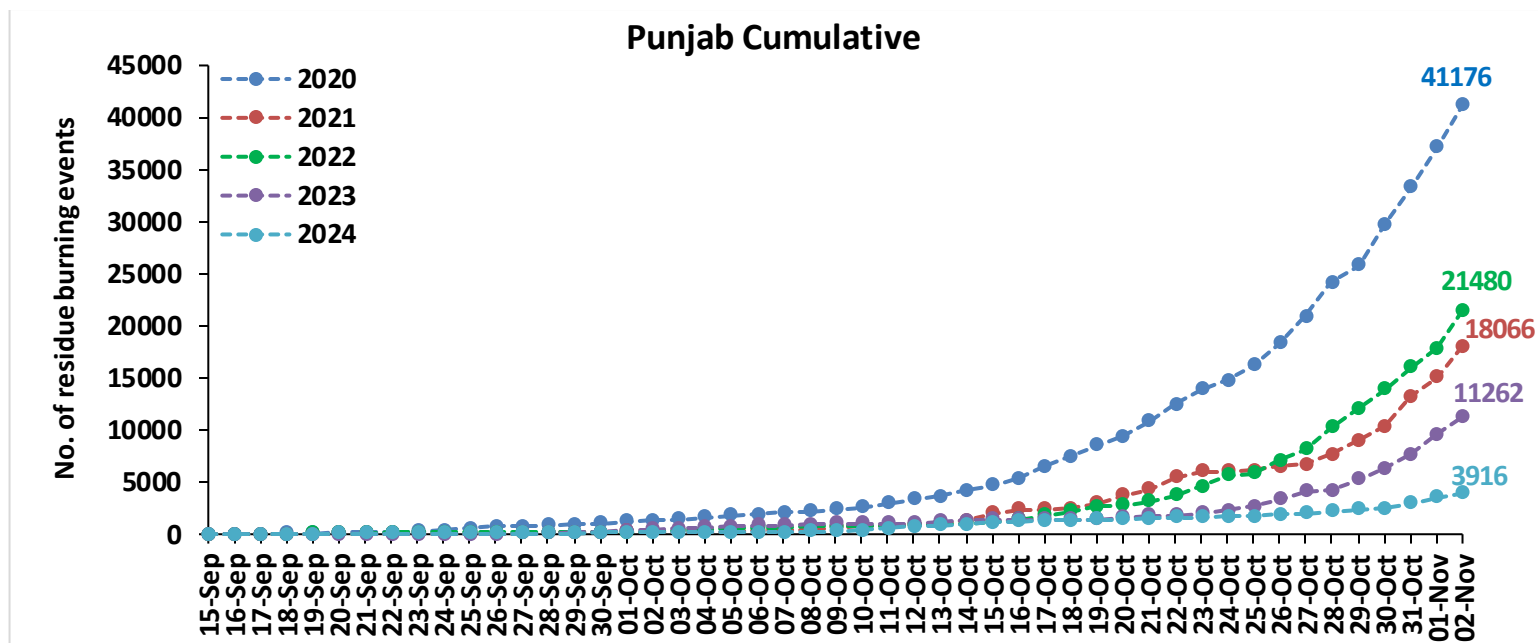
### Madhya Pradesh

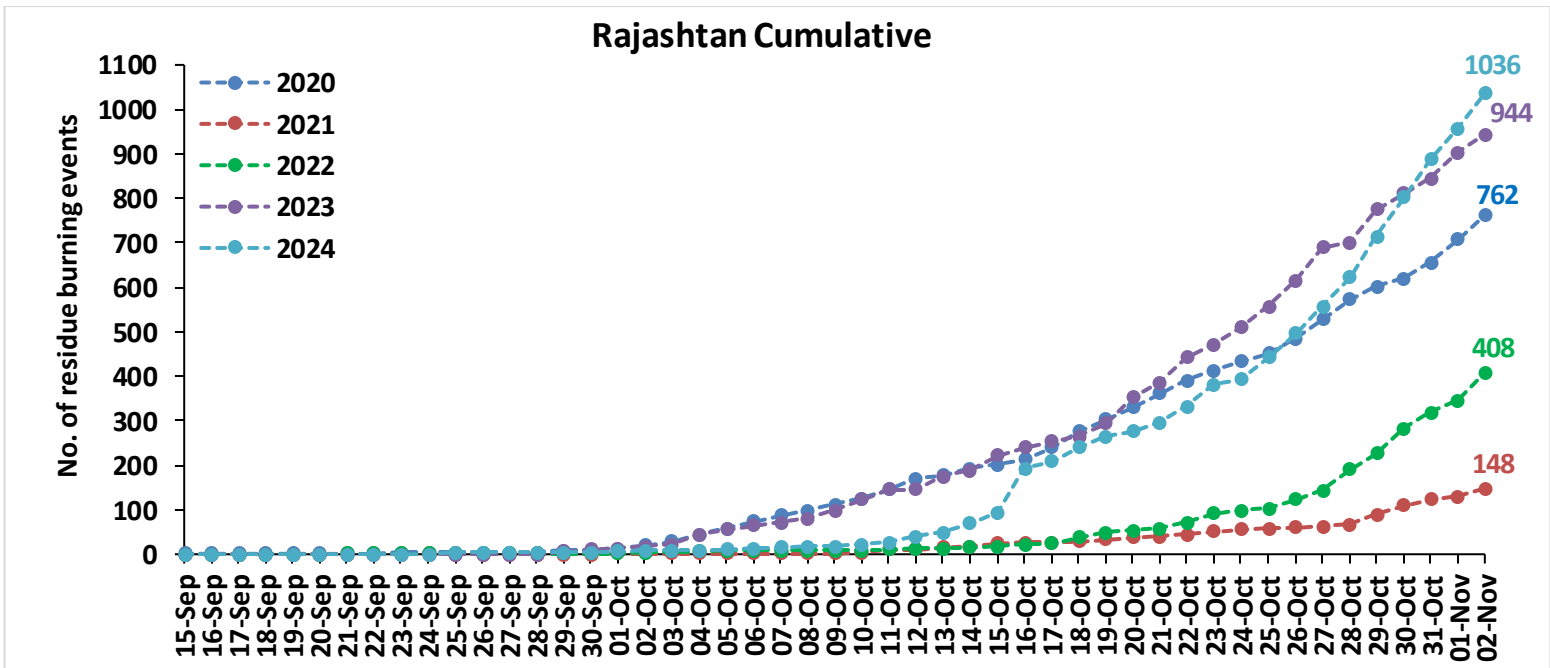
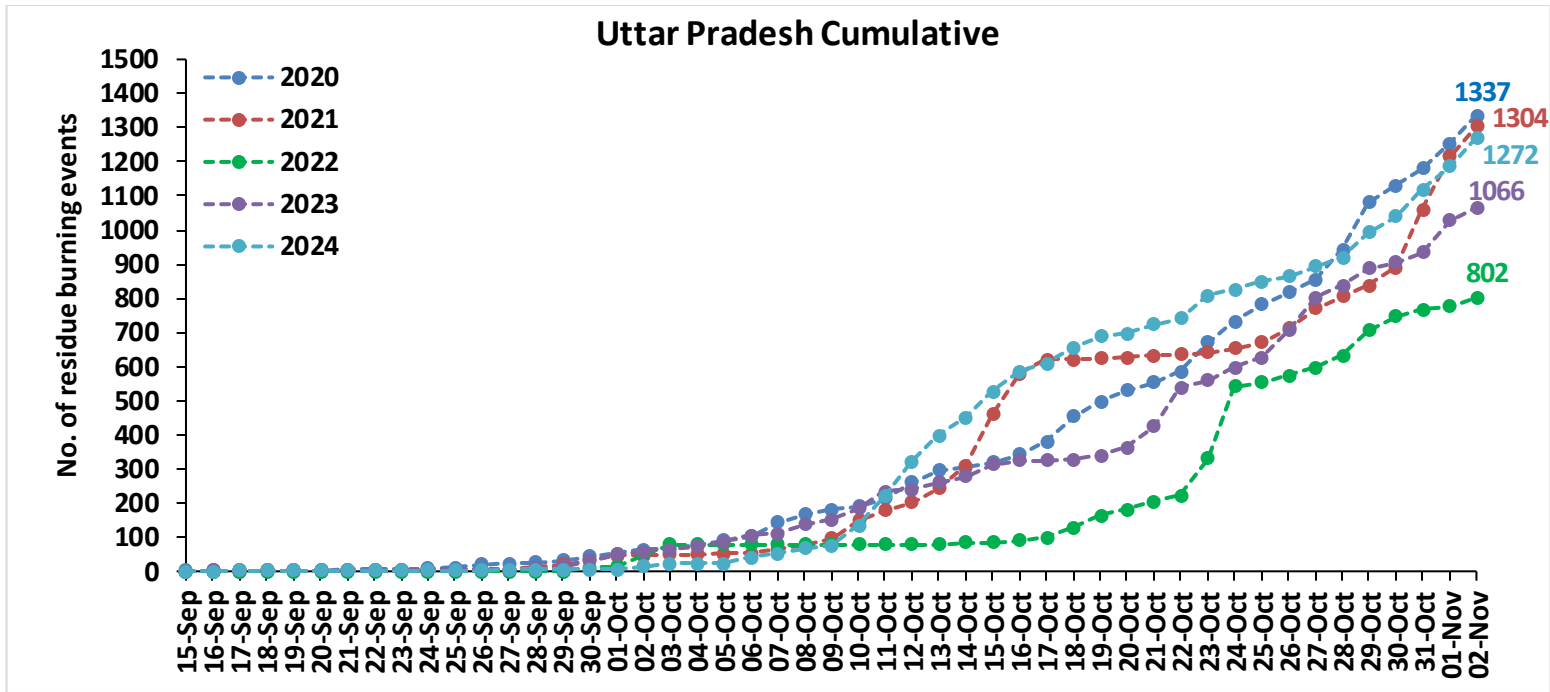


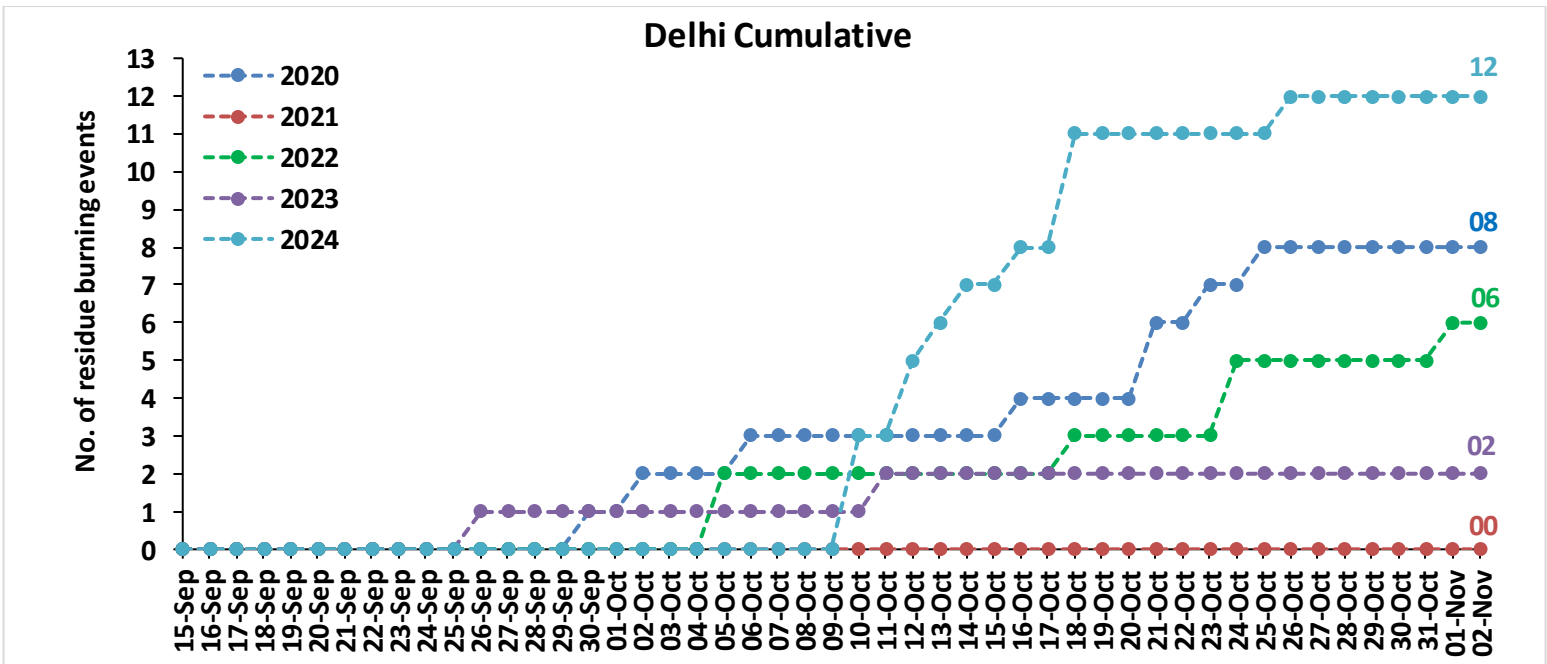
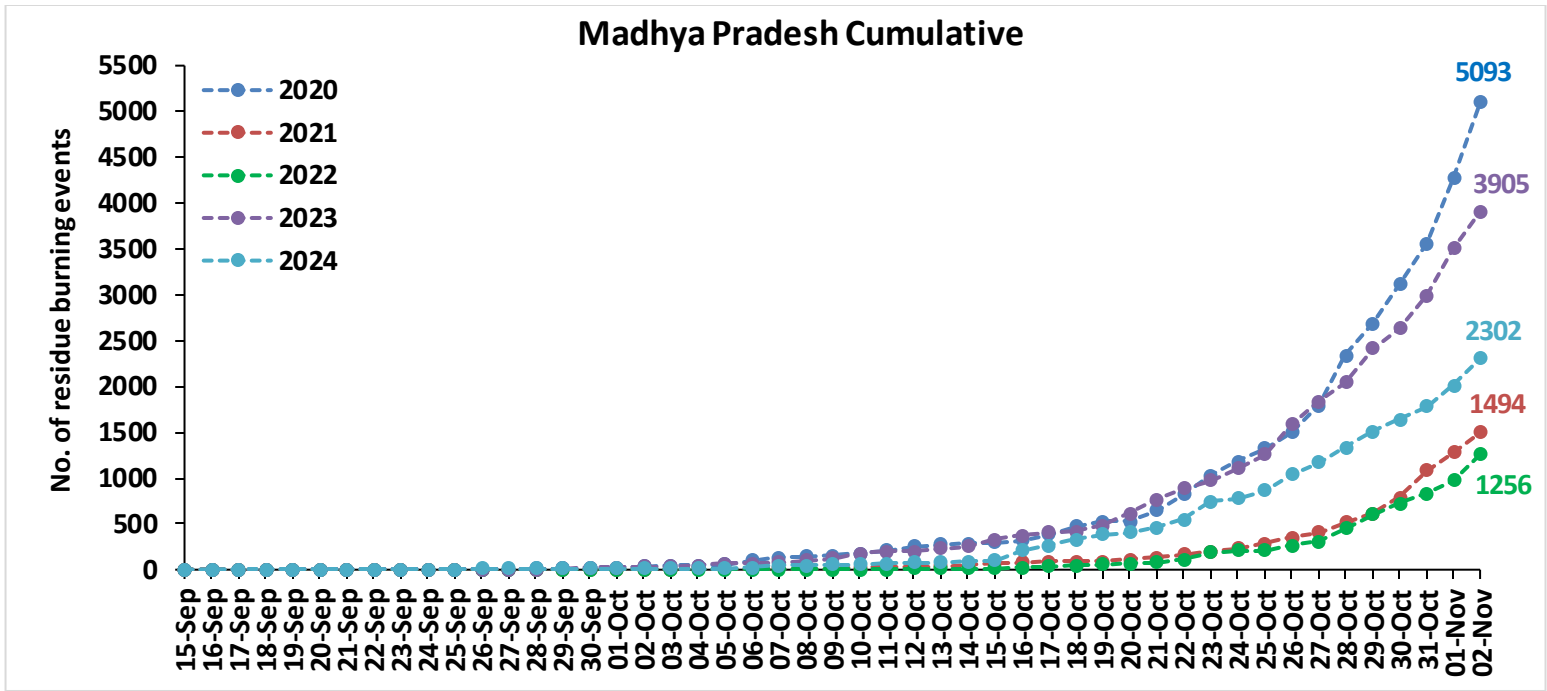
# Delhi



## Comparison of residue burning events in current year (2024) with previous years (2020, 2021, 2022 and 2023) for the study States

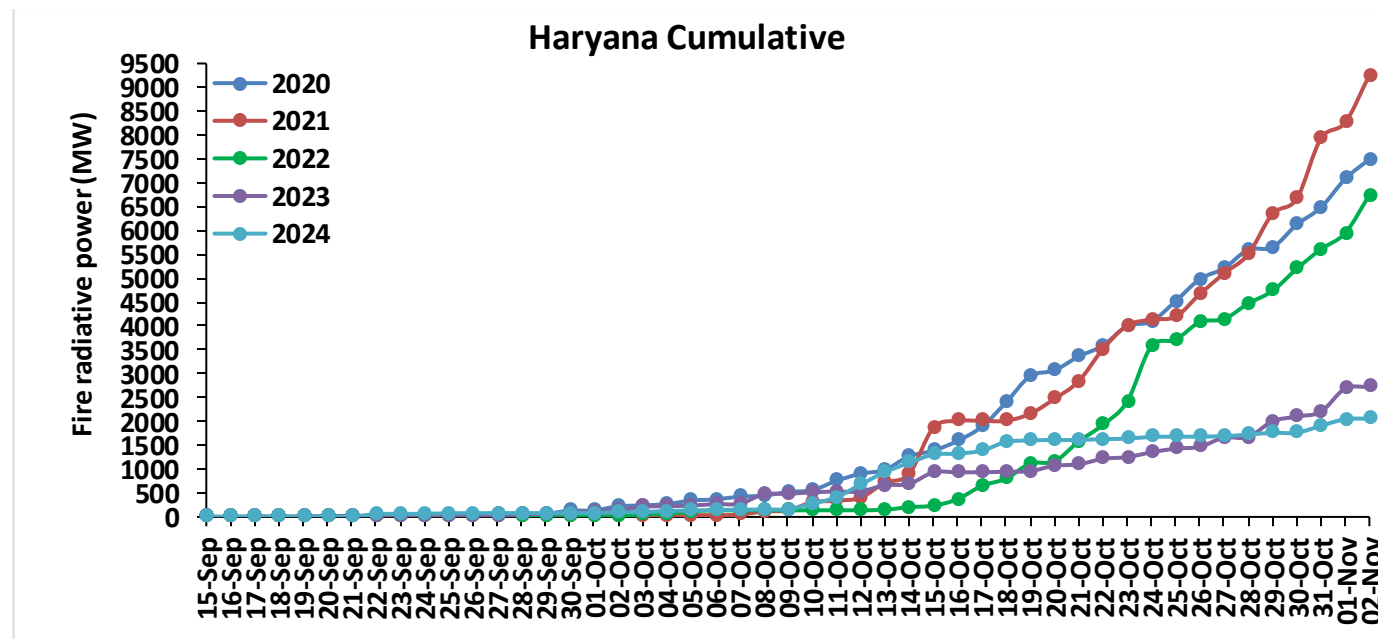
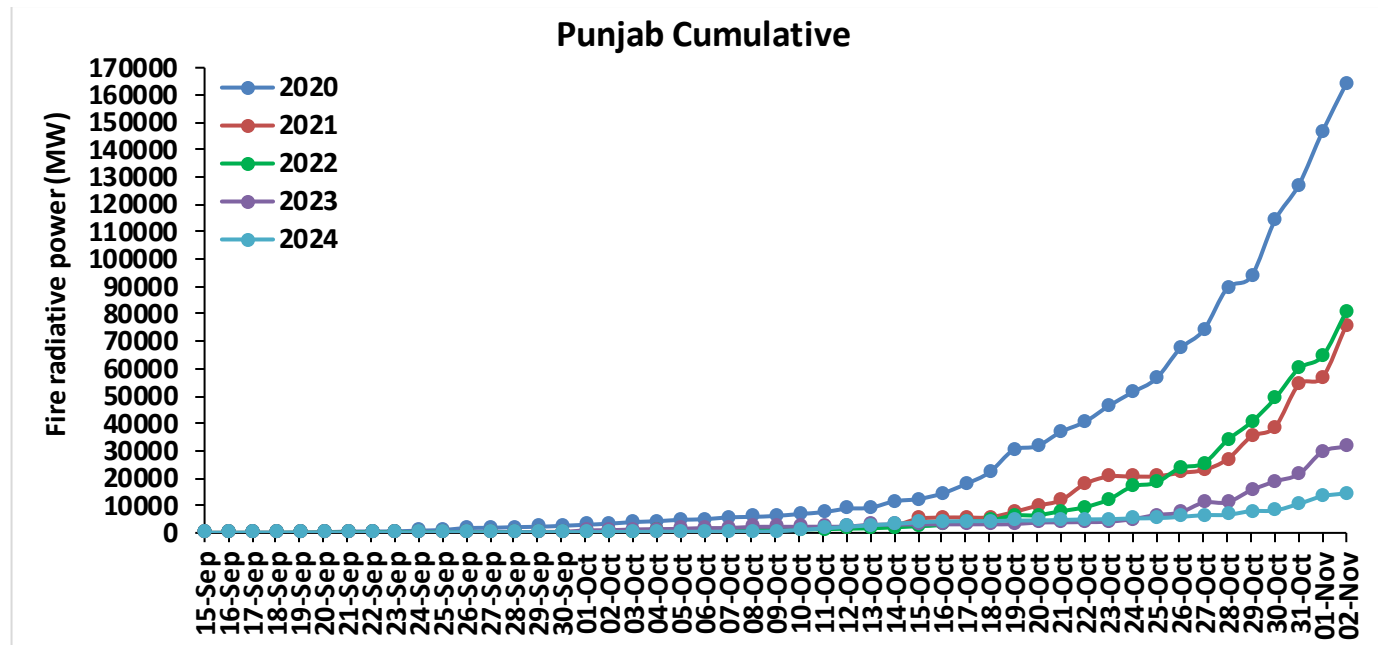




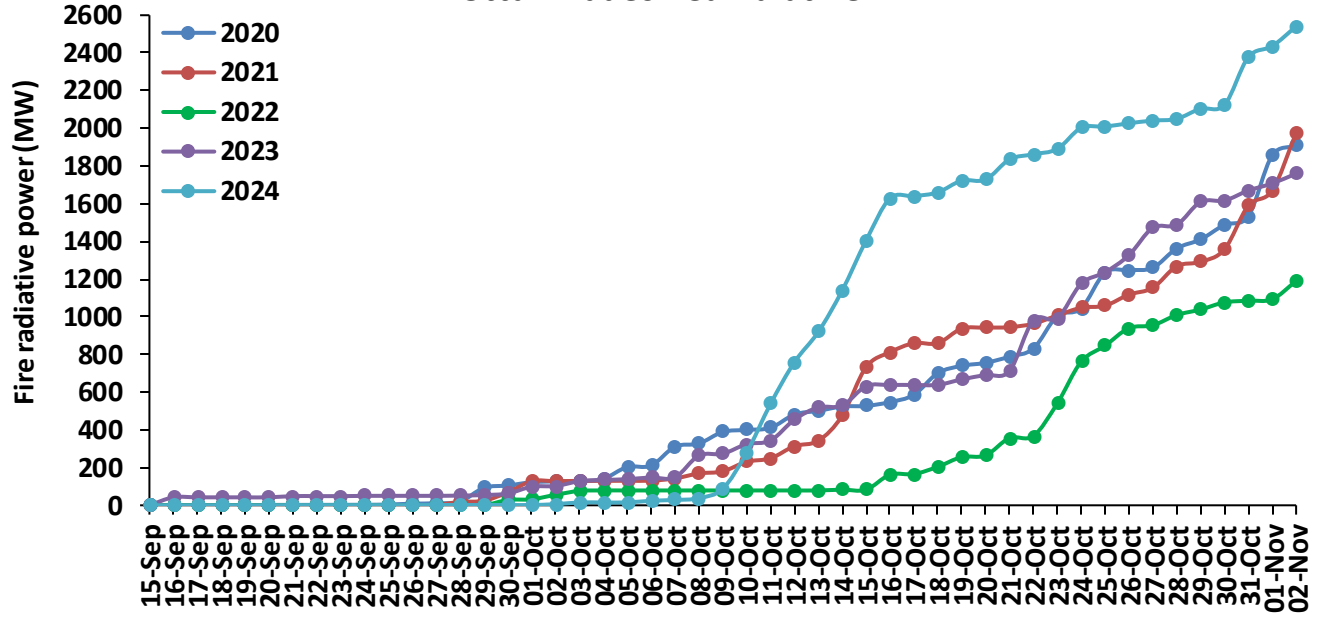




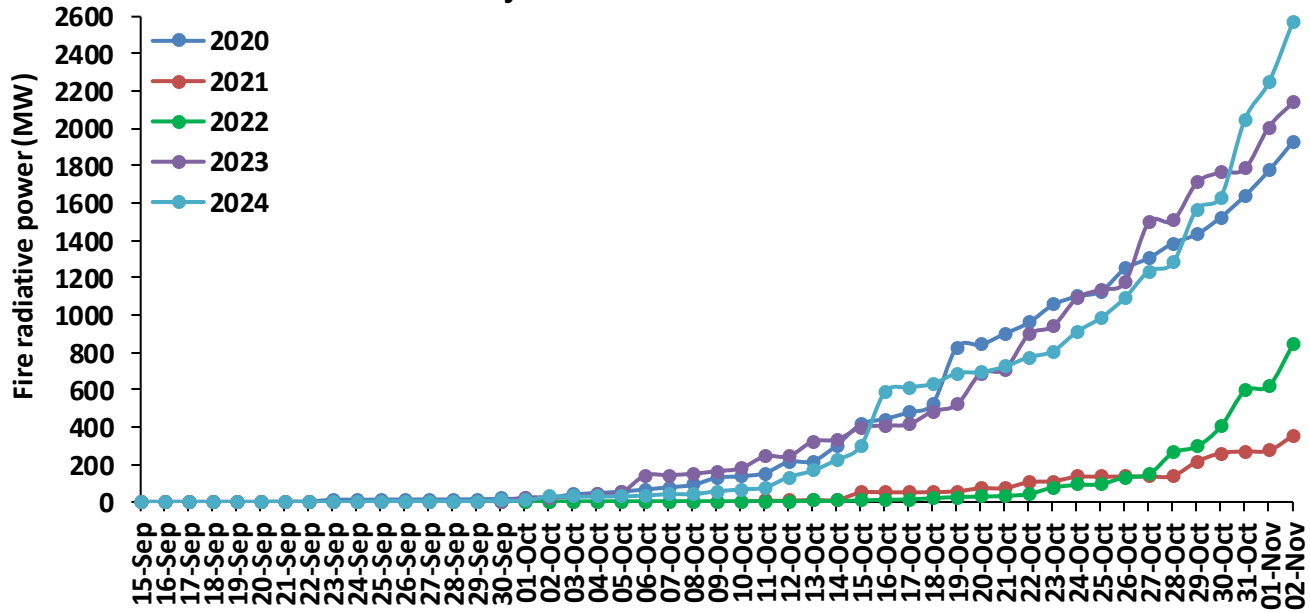
# Comparison of residue burning fire power in current year (2024) with previous years (2020,2021,2022 and 2023) for the study States

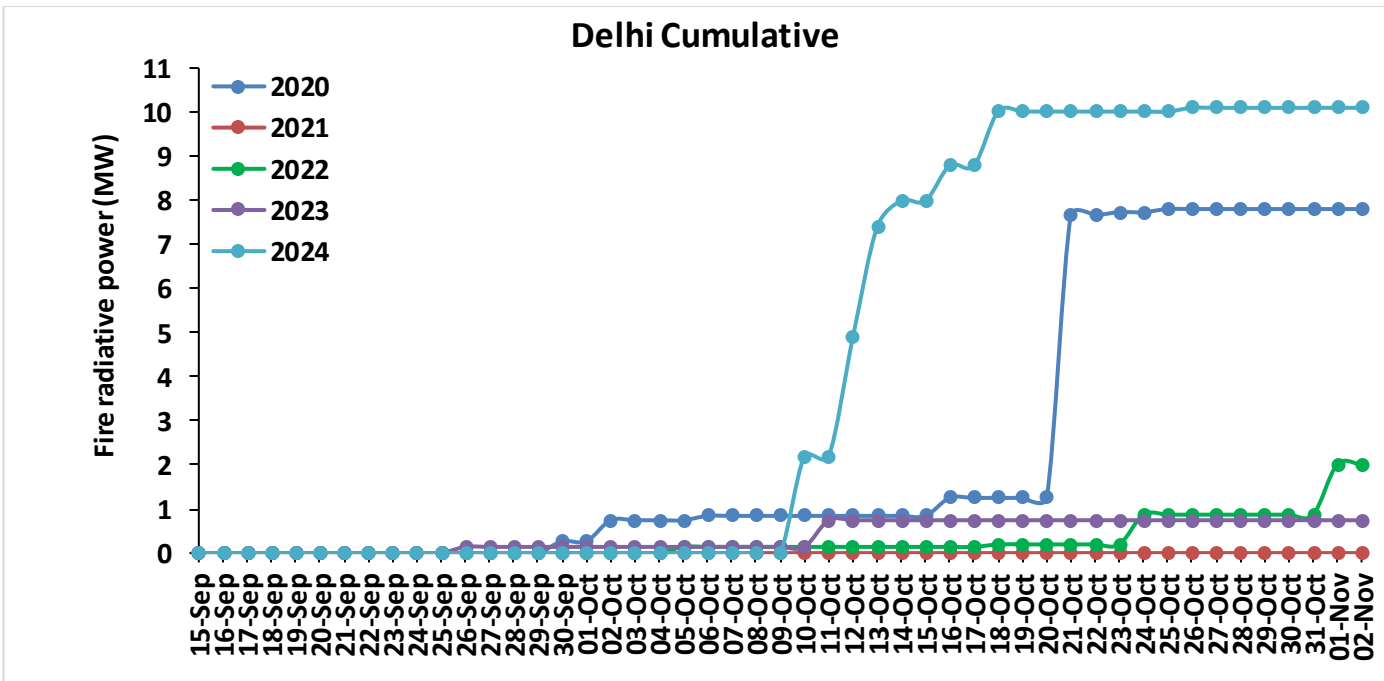
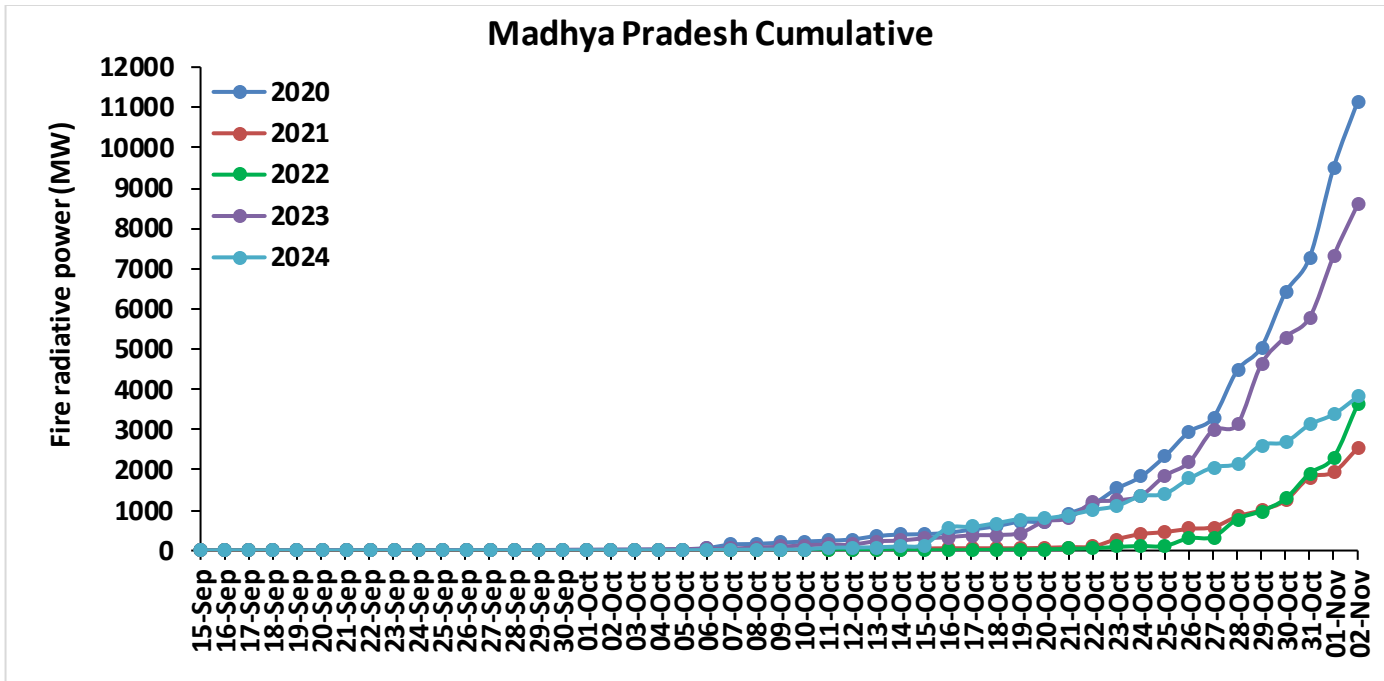


### Uttar Pradesh Cumulative



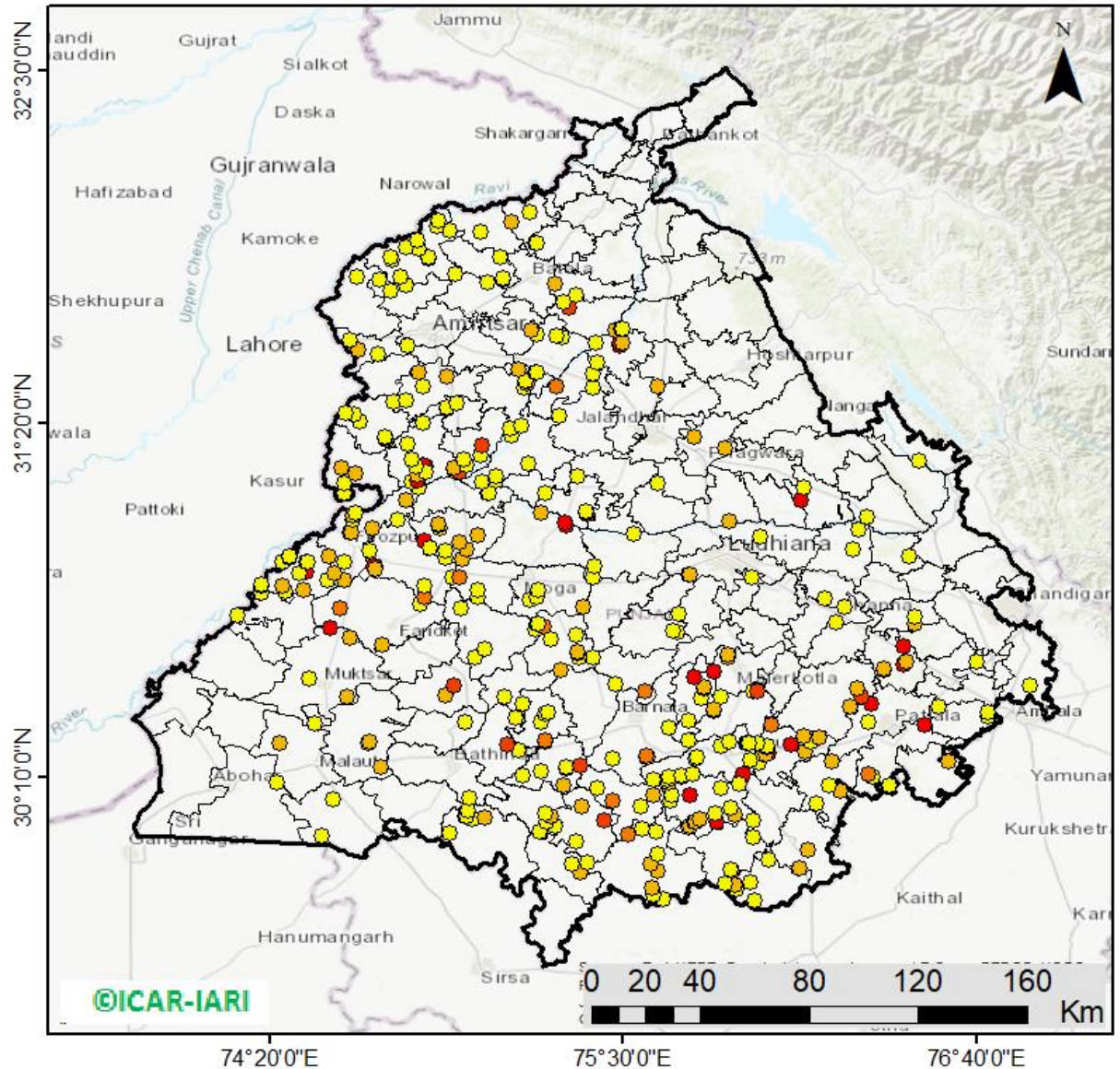
### Rajasthan Cumulative





# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**379** burning events detected in Punjab during (02nd Nov 2024)

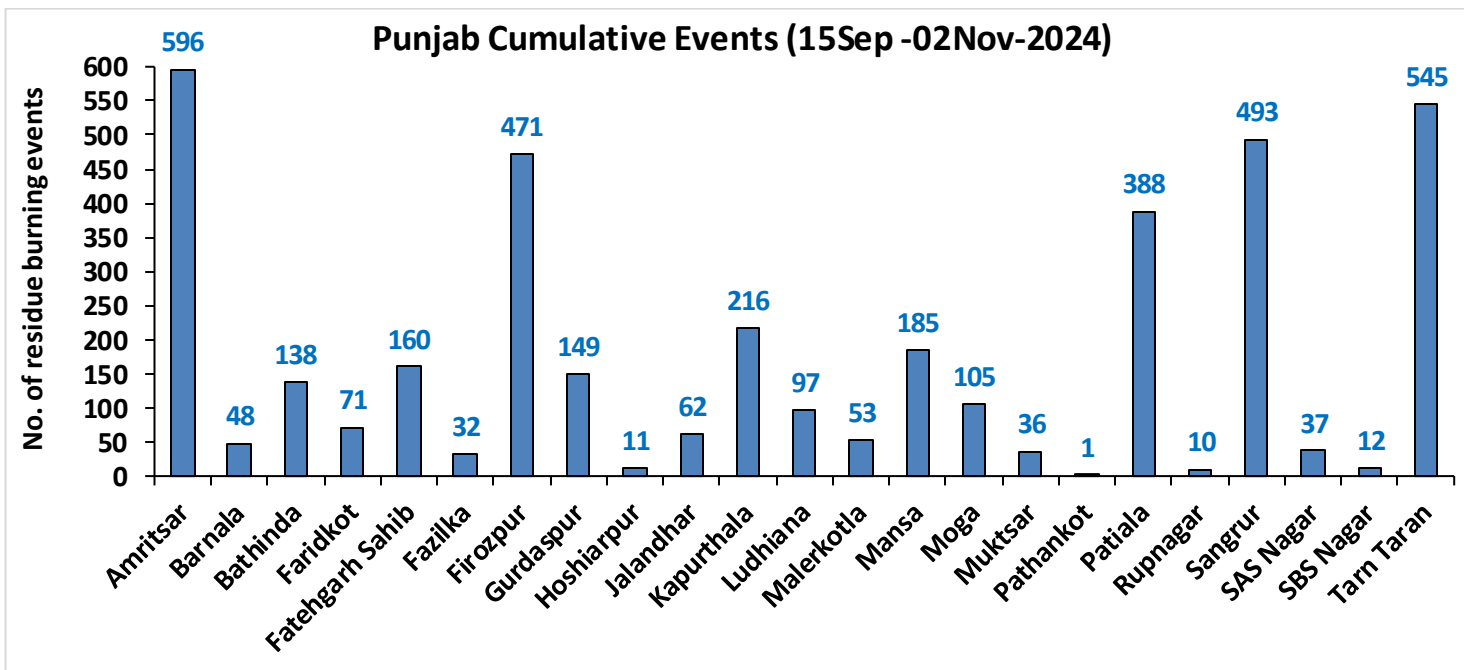
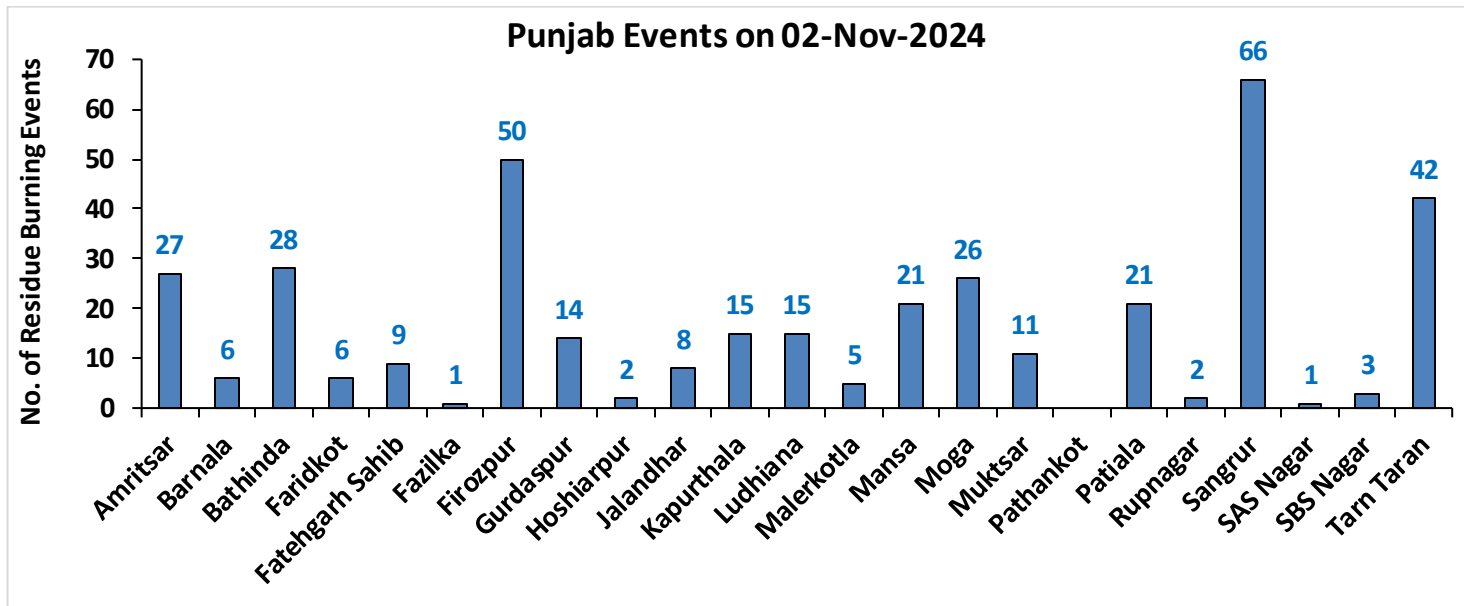
### Fire Intensity (W/m<sup>2</sup>)

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



[http://103.111.37.126/icar\\_geoportal/](http://103.111.37.126/icar_geoportal/)

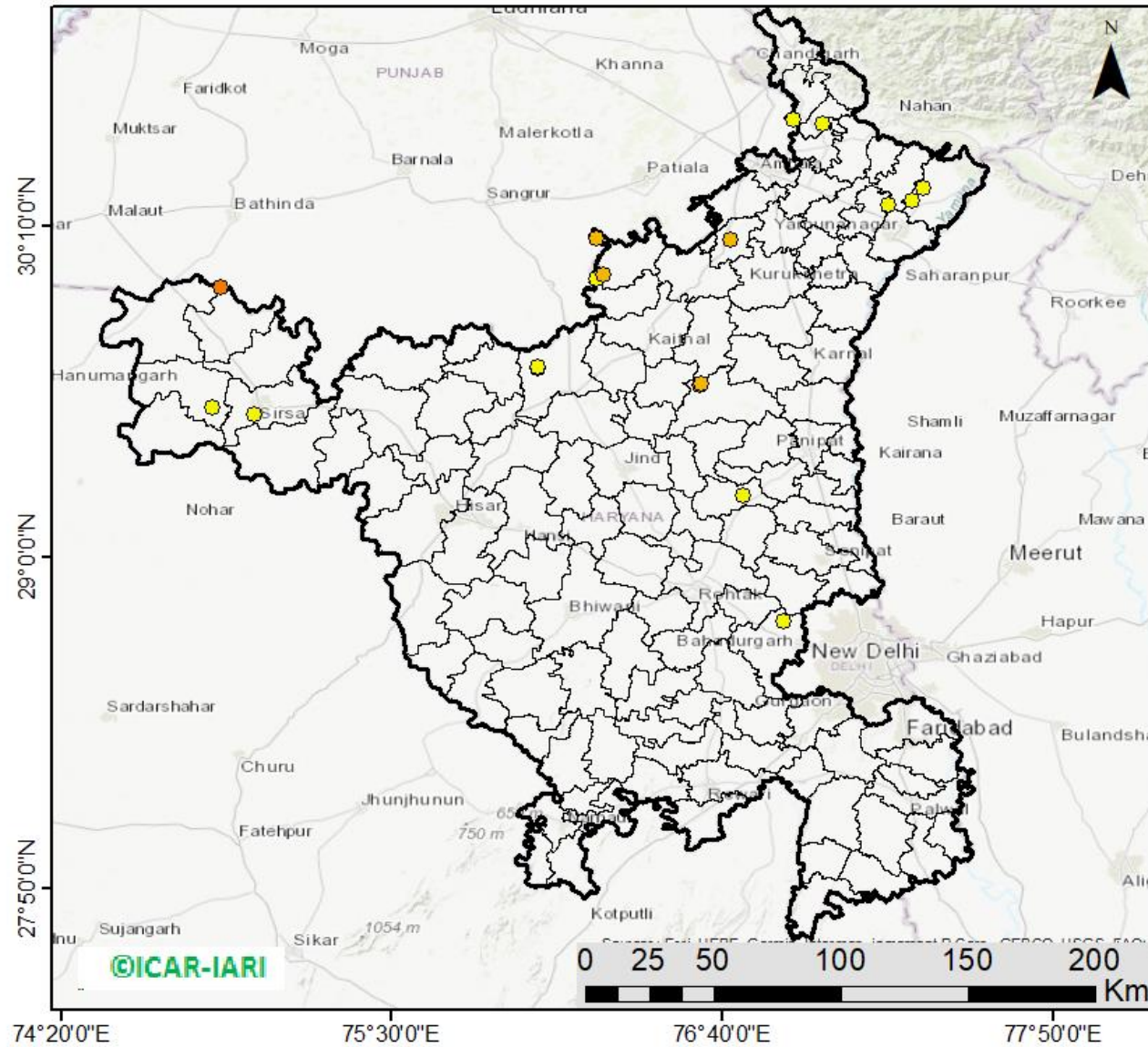
## District-wise cumulative number of residues burning events in Punjab (15Sep-02Nov-2024)





# Haryana

## RICE RESIDUE BURNING IN HARYANA



**19** burning events  
detected in Haryana on  
**(02nd Nov 2024)**

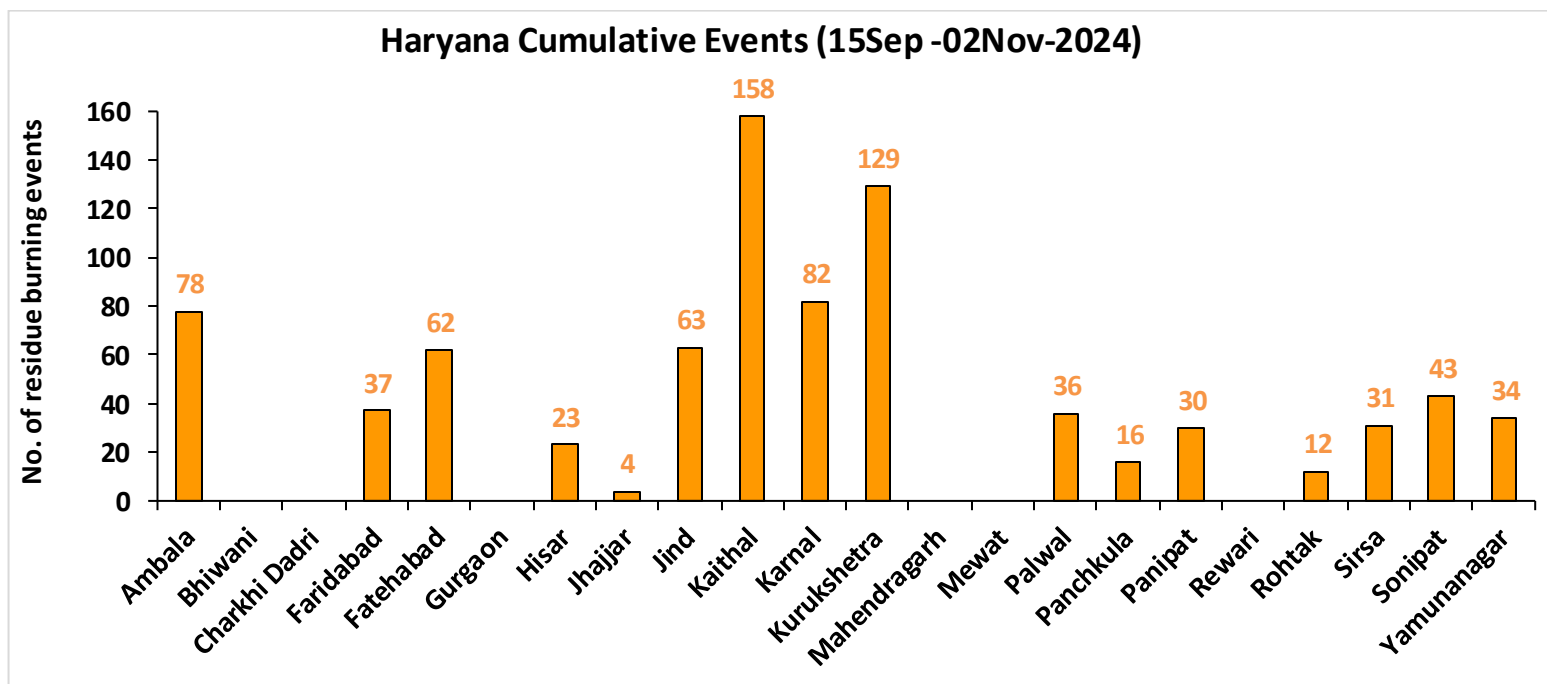
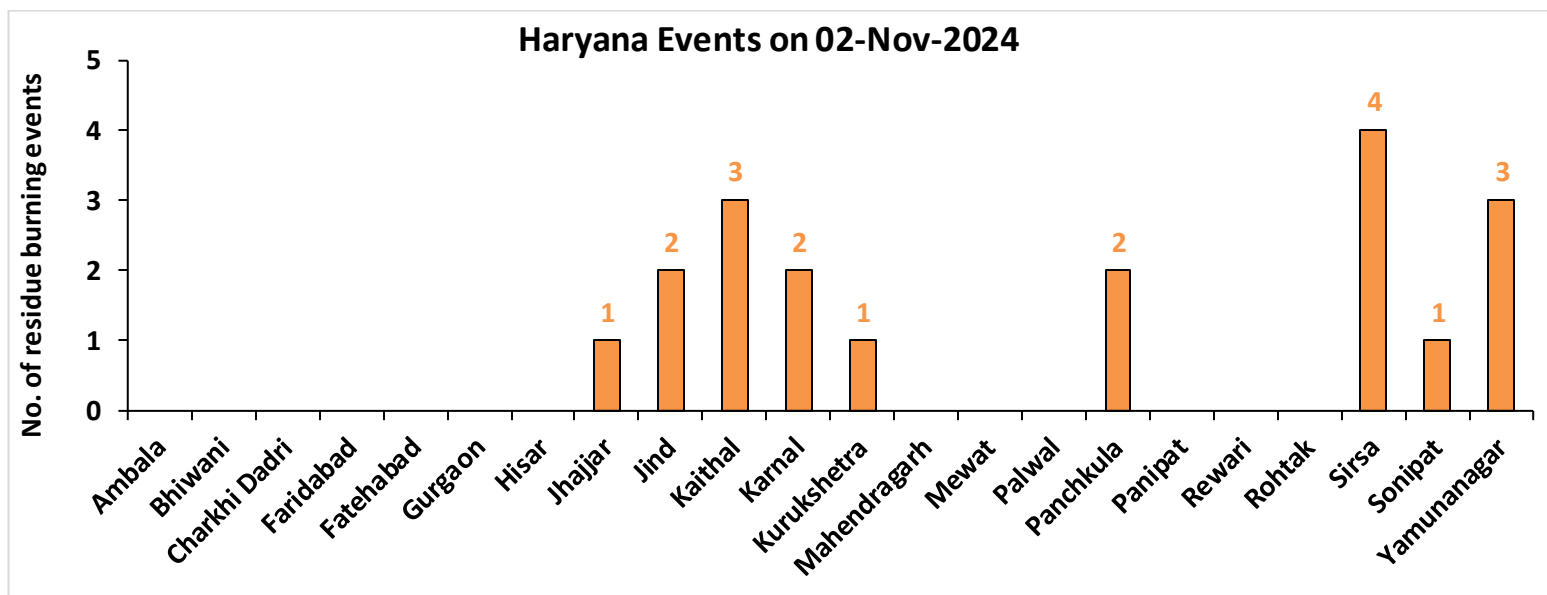
### Fire Intensity (W/m<sup>2</sup>)

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



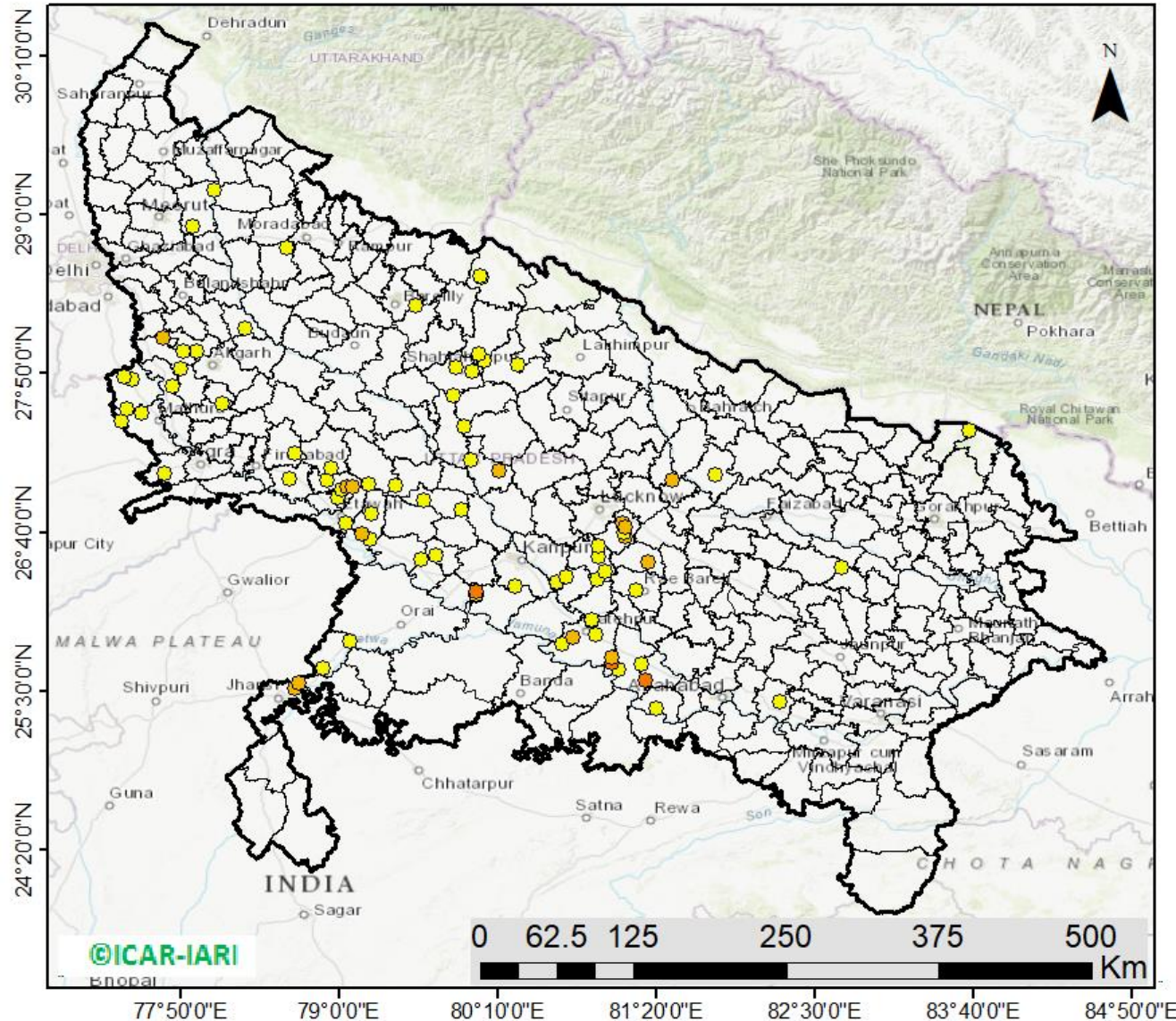
[http://103.111.37.126/icar\\_geoportal/](http://103.111.37.126/icar_geoportal/)

## District-wise cumulative number of residues burning events in Haryana (15Sep-02Nov-2024)



# Uttar Pradesh

## RICE RESIDUE BURNING IN UTTAR PRADESH



**87** burning events detected in Uttar Pradesh on (02nd Nov 2024)

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

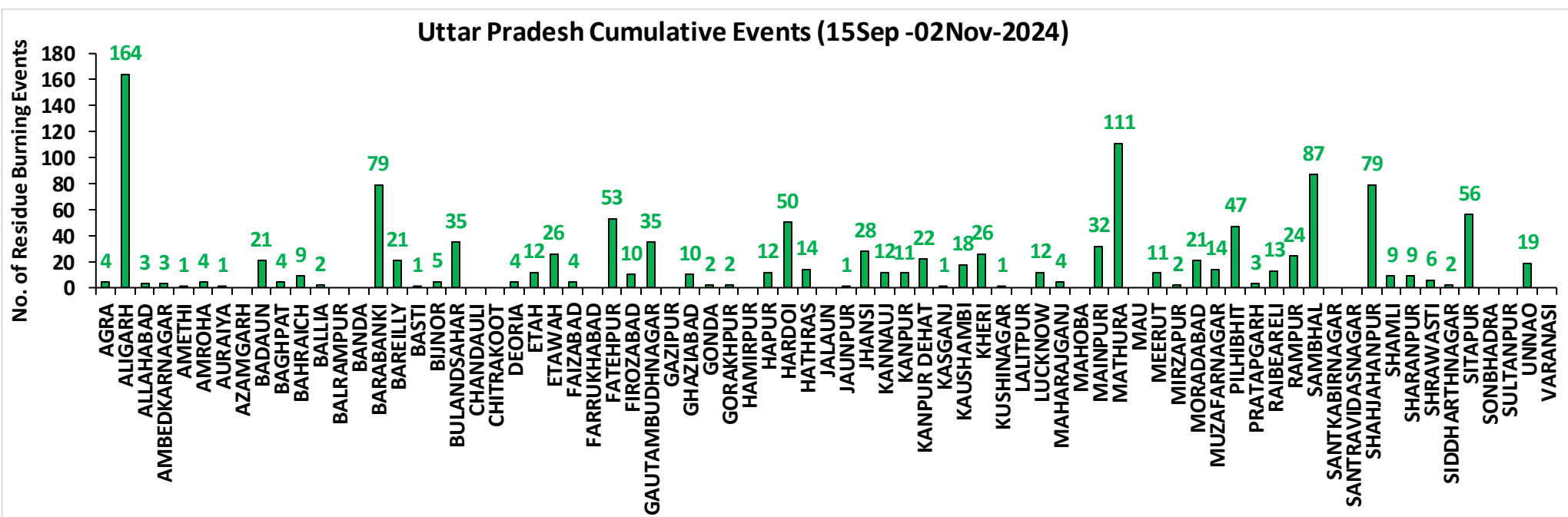
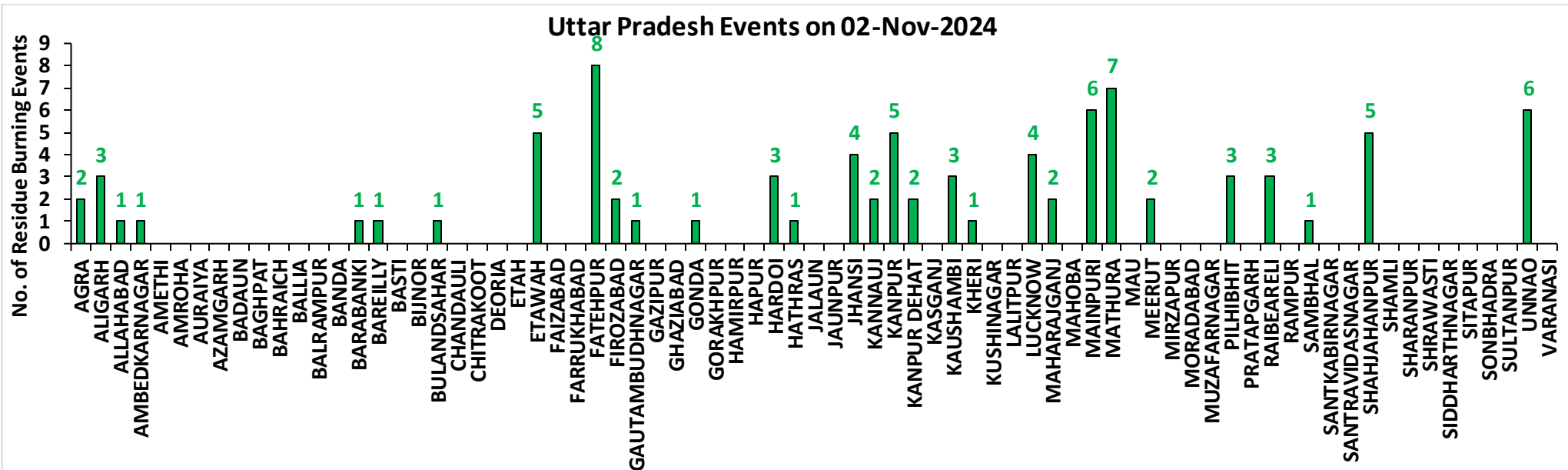
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



[http://103.111.37.126/icar\\_geoportal/](http://103.111.37.126/icar_geoportal/)

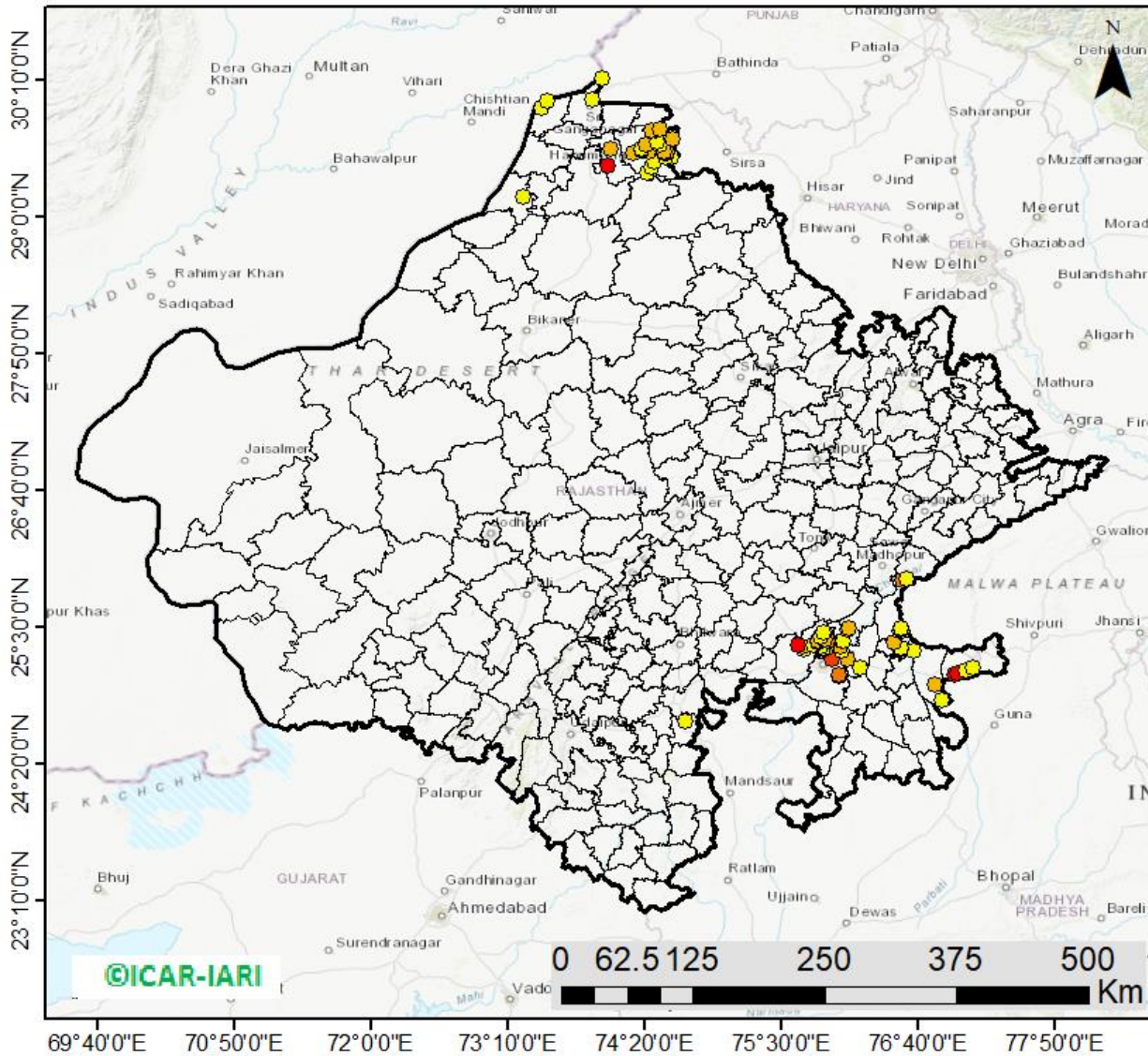


## District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-02Nov-2024)



# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**80** burning events  
detected in Rajasthan on  
(02nd Nov 2024)

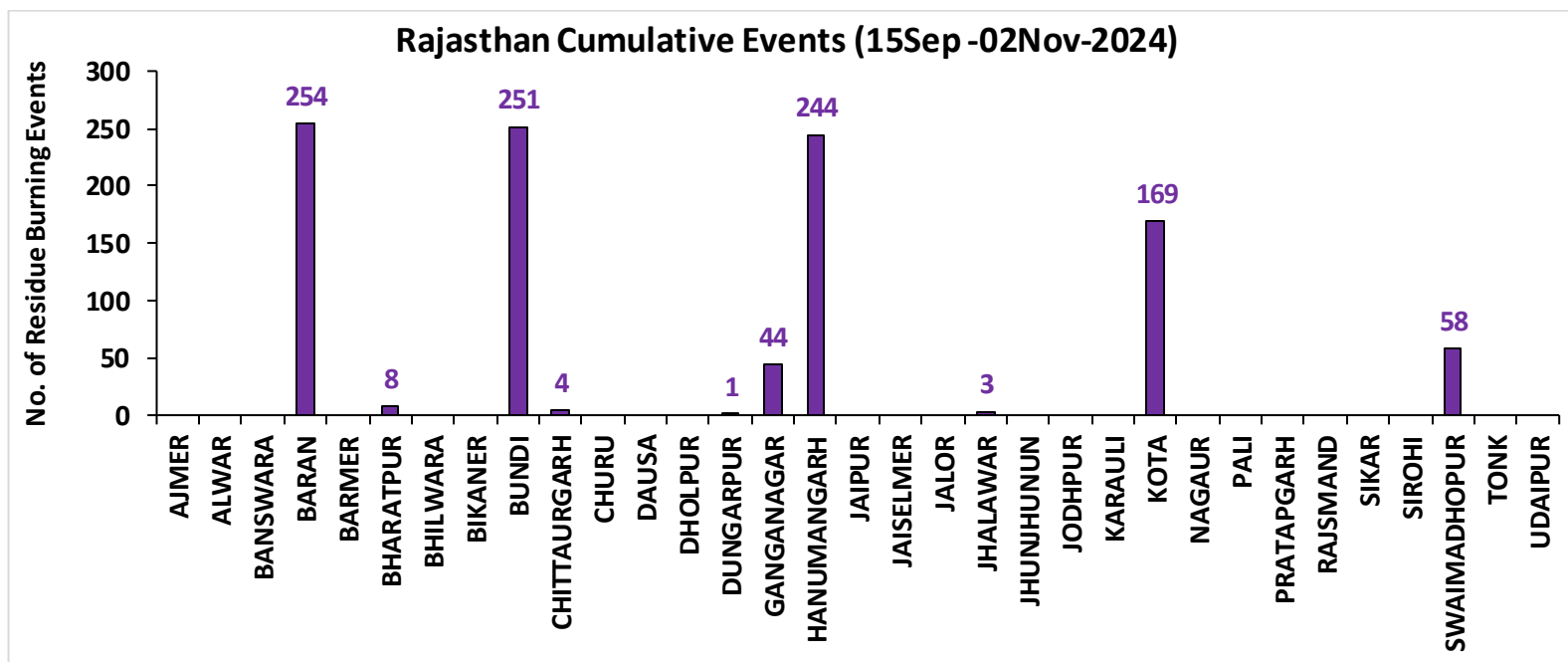
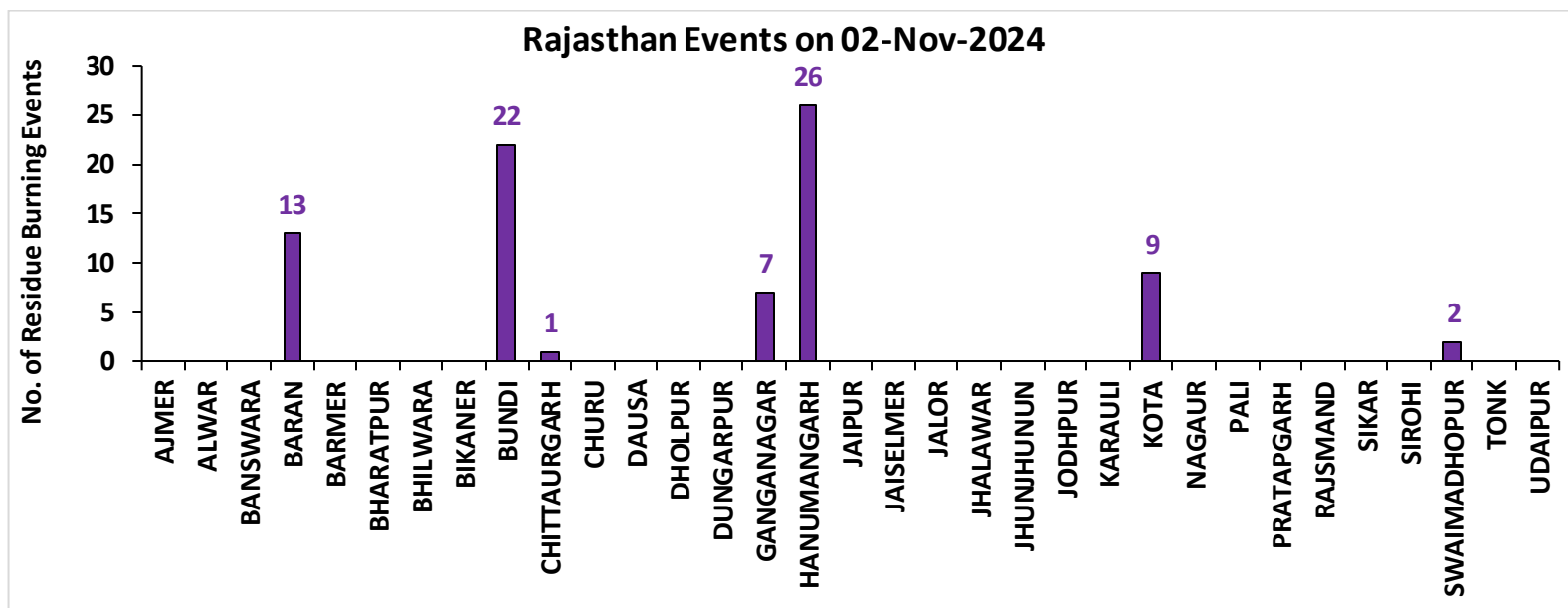
### Fire Intensity (W/m<sup>2</sup>)

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



[http://103.111.37.126/icar\\_geoportal/](http://103.111.37.126/icar_geoportal/)

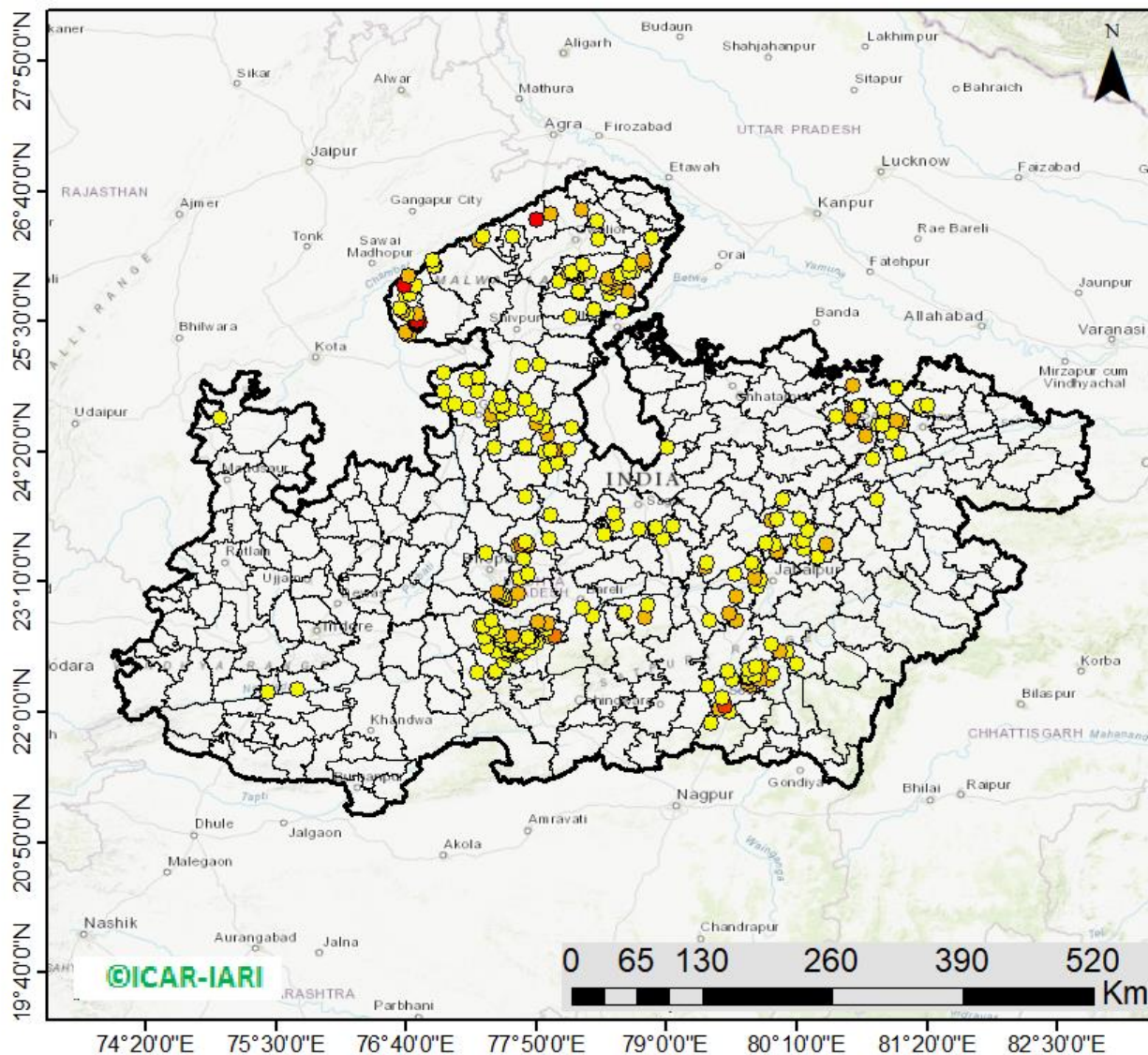
## District-wise cumulative number of residues burning events in Rajasthan (15Sep-02Nov-2024)





## Madhya Pradesh

### RICE RESIDUE BURNING IN MADHYA PRADESH



**296** burning events  
detected in MP on  
(02nd Nov 2024)

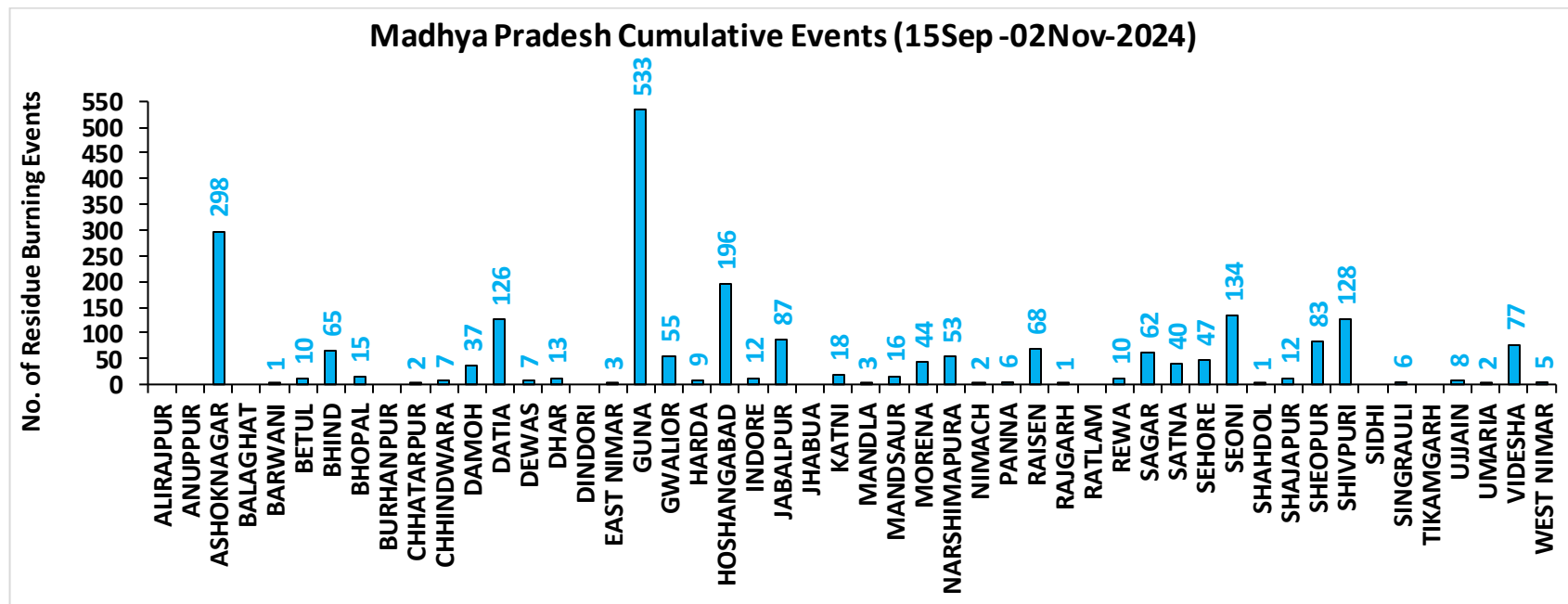
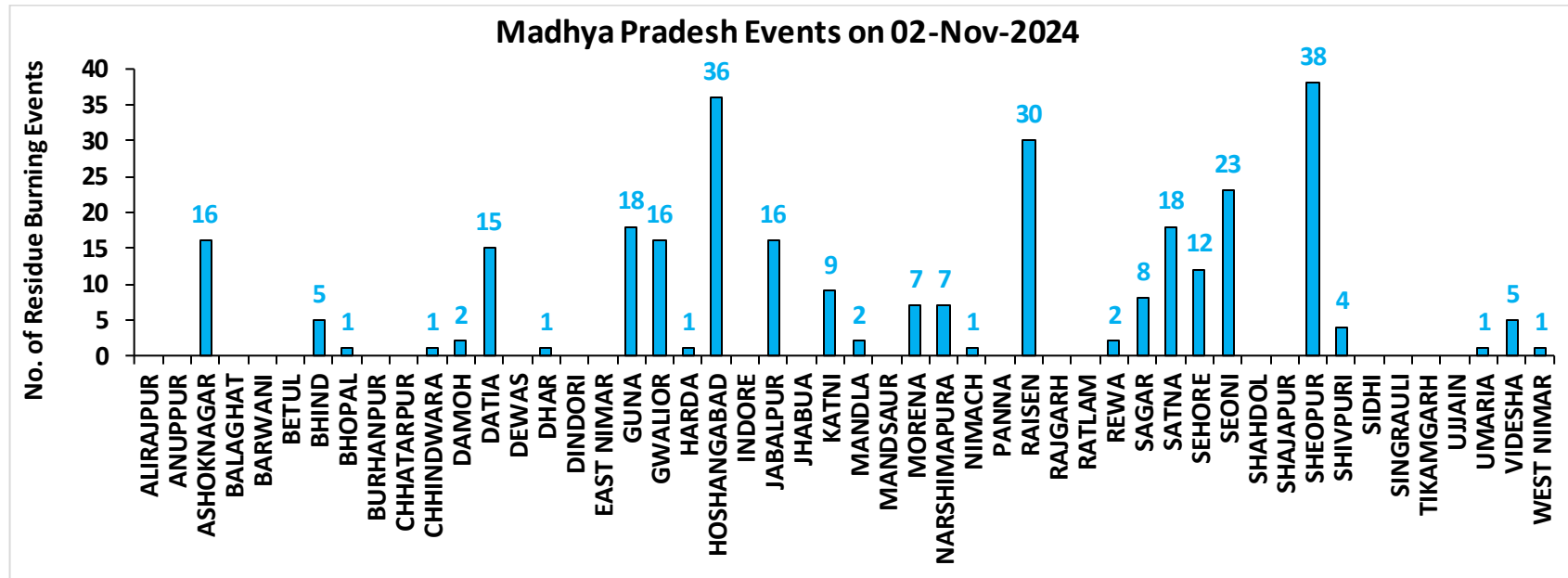
#### Fire Intensity (W/m<sup>2</sup>)

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



[http://103.111.37.126/icar\\_geoportal/](http://103.111.37.126/icar_geoportal/)

## District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-02Nov-2024)



**District-wise cumulative number of residues burning events detected in 2020, 2021, 2022, 2023 and 2024**  
**(Period: 15 September-02 November)**

**(a) Punjab**

District	15 Sep-02 Nov				
	2020	2021	2022	2023	2024
Amritsar	2830	1323	1406	1310	596
Barnala	1460	860	893	245	48
Bathinda	1519	833	1197	405	138
Faridkot	2075	1112	547	400	71
Fatehgarh Sahib	1203	444	892	529	160
Fazilka	422	239	287	109	32
Firozpur	5237	1758	1658	1175	471
Gurdaspur	2037	821	819	249	149
Hoshiarpur	347	183	218	43	11
Jalandhar	1204	771	955	367	62
Kapurthala	1619	1044	1055	456	216
Ludhiana	2072	1147	1025	501	97
Malerkotla	0	0	0	77	53
Mansa	1147	370	713	767	185
Moga	1786	805	658	384	105
Muktsar	1561	860	553	171	36
Pathankot	10	3	0	1	1
Patiala	4160	1385	2420	944	388
Rupnagar	158	72	196	32	10
Sangrur	5176	1266	3025	1602	493
SAS NAGAR (Mohali)	120	91	92	128	37
SBS Nagar	87	73	127	61	12
Tarn Taran	4946	2606	2744	1306	545
<b>Total</b>	<b>41176</b>	<b>18066</b>	<b>21480</b>	<b>11262</b>	<b>3916</b>

**(b) Haryana**

District	15 Sep-02 Nov				
	2020	2021	2022	2023	2024
AMBALA	329	203	185	172	78
BHIWANI	1	0	0	2	0
CHARKHI DADRI	0	0	0	0	0
FARIDABAD	1	2	1	3	37
FATEHABAD	295	443	394	245	62
GURGAON	0	0	0	0	0
HISAR	16	23	40	68	23
JHAJJAR	5	0	1	6	4
JIND	106	221	267	175	63
KAITHAL	628	819	547	185	158
KARNAL	532	750	260	91	82
KURUKSHETRA	398	474	289	137	129
MAHENDRAGARH	0	0	0	0	0
MEWAT	0	0	0	0	0
PALWAL	42	61	32	54	36
PANCHKULA	0	0	0	1	16
PANIPAT	22	47	28	20	30
REWARI	0	0	0	0	0
ROHTAK	14	0	0	15	12
SIRSA	64	56	70	39	31
SONIPAT	30	23	16	58	43
YAMUNANAGAR	123	119	119	73	34
<b>Total</b>	<b>2606</b>	<b>3241</b>	<b>2249</b>	<b>1344</b>	<b>838</b>

(c) Uttar Pradesh

District	15 Sep-02 Nov																
	2020	2021	2022	2023	2024	GAUTAMBUDHNAGAR	9	12	10	9	35	MUZAFARNAGAR	6	3	1	2	14
AGRA	4	0	0	4	4	GAZIPUR	0	0	0	1	0	PILHIBHIT	10	160	101	84	47
ALIGARH	86	34	33	80	164	GHAZIABAD	9	5	2	14	10	PRATAPGARH	5	3	3	6	3
ALLAHABAD	5	4	2	3	3	GONDA	4	0	0	0	2	RAIBARELI	3	4	3	4	13
AMBEDKARNAGAR	3	2	0	0	3	GORAKHPUR	4	3	1	3	2	RAMPUR	93	94	60	67	24
AMETHI	2	2	4	3	1	HAMIRPUR	2	0	0	0	0	SAMBHAL	8	9	11	14	87
AMROHA	4	0	0	2	4	HAPUR	8	3	2	0	12	SANTKABIRNAGAR	2	0	3	4	0
AURAIYA	31	15	9	21	1	HARDOI	42	36	15	53	50	SANTRAVIDASNAGAR	0	0	0	0	0
AZAMGARH	4	0	0	1	0	HATHRAS	0	0	1	2	14	SHAHJAHANPUR	72	277	230	54	79
BADAUN	6	9	0	4	21	JALAUN	7	0	0	0	0	SHAMLI	27	22	6	6	9
BAGHPAT	5	2	2	1	4	JAUNPUR	2	3	0	2	1	SHARANPUR	68	42	11	8	9
BAHRAICH	55	13	7	13	9	JHANSI	52	10	6	69	28	SHRAWASTI	20	7	2	10	6
BALLIA	2	0	0	0	2	KANNAUJ	16	2	1	2	12	SIDDHARTHANAGAR	5	9	0	2	2
BALRAMPUR	18	4	2	4	0	KANPUR	12	24	12	26	11	SITAPUR	33	31	7	13	56
BANDA	1	2	0	0	0	KANPUR DEHAT	32	7	1	38	22	SONBHADRA	0	0	0	0	0
BARABANKI	26	34	32	49	79	KASGANJ	2	2	0	3	1	SULTANPUR	2	1	1	2	0
BAREILLY	36	28	18	31	21	KAUSHAMBI	20	17	7	29	18	UNNAO	10	6	1	18	19
BASTI	9	3	1	2	1	KHERI	78	101	81	18	26	VARANASI	1	0	0	0	0
BIJNOR	10	7	2	6	5	KUSHINAGAR	4	0	3	4	1	Total	1337	1304	802	1066	1272
BULANDSAHAR	32	2	7	7	35	LALITPUR	1	1	3	3	0						
CHANDAUJI	0	0	0	0	0	LUCKNOW	16	12	1	6	12						
CHITRAKOOT	0	3	2	4	0	MAHARAJGANJ	3	5	2	2	4						
DEORIA	7	2	2	2	4	MAHOBA	18	0	0	0	0						
ETAH	13	6	2	16	12	MAINPURI	25	23	13	30	32						
ETAWAH	19	19	8	53	26	MATHURA	109	114	19	86	111						
FAIZABAD	3	0	0	3	4	MAU	0	1	0	0	0						
FARRUKHABAD	2	2	0	1	0	MEERUT	23	6	4	3	11						
FATEHPUR	56	37	34	47	53	MIRZAPUR	6	5	2	0	2						
FIROZABAD	18	11	7	7	10	MORADABAD	11	3	2	5	21						

**(d) Delhi**

District	15 Sep-02 Nov				
	2020	2021	2022	2023	2024
CENTRAL	0	0	0	0	0
EAST	0	0	0	0	0
NEW DELHI	0	0	0	0	0
NORTH	2	0	6	2	8
NORTH EAST	0	0	0	0	0
NORTH WEST DELHI	3	0	0	0	4
SHAHADRA	0	0	0	0	0
SOUTH	1	0	0	0	0
SOUTH EAST	0	0	0	0	0
SOUTH WEST DELHI	0	0	0	0	0
WEST DELHI	2	0	0	0	0
<b>Total</b>	<b>8</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>12</b>

**(e) Rajasthan**

District	15 Sep-02 Nov				
	2020	2021	2022	2023	2024
AJMER	3	0	0	0	0
ALWAR	7	0	0	0	0
BANSWARA	0	0	0	0	0
BARAN	144	1	42	308	254
BARMER	3	0	0	0	0
BHARATPUR	2	2	1	2	8
BHILWARA	6	0	0	0	0
BIKANER	1	0	0	0	0
BUNDI	92	27	137	182	251
CHITTAURGARH	0	6	3	9	4
CHURU	0	0	0	0	0
DAUSA	1	0	0	0	0
DHOLPUR	0	0	0	0	0
DUNGARPUR	0	0	1	0	1
GANGANAGAR	15	11	22	21	44
HANUMANGARH	326	89	81	129	244
JAIPUR	2	0	0	0	0
JAISELMER	3	0	0	0	0
JALOR	0	0	0	0	0
JHALAWAR	3	0	5	9	3
JHUNJHUNUN	1	0	0	0	0
JODHPUR	2	0	0	0	0
KARAULI	1	0	0	0	0
KOTA	87	10	82	225	169
NAGAU	0	0	0	0	0
PALI	4	0	0	0	0
PRATAPGARH	6	0	0	0	0
RAJSMAND	1	0	0	0	0
SIKAR	0	0	0	0	0
SIROHI	1	0	0	0	0
SWAIMADHOPUR	48	2	34	55	58
TONK	3	0	0	0	0
UDAIPUR	0	0	0	4	0
<b>Total</b>	<b>762</b>	<b>148</b>	<b>408</b>	<b>944</b>	<b>1036</b>



(f) Madhya Pradesh

District	15 Sep-02 Nov										
	2020	2021	2022	2023	2024	PANNA	20	4	0	3	6
ALIRAJPUR	0	0	0	0	0	RAISEN	272	28	28	115	68
ANUPPUR	0	0	0	0	0	RAJGARH	10	1	3	9	1
ASHOKNAGAR	122	21	38	181	298	RATLAM	0	1	0	1	0
BALAGHAT	0	0	0	0	0	REWA	41	14	4	9	10
BARWANI	1	0	0	0	1	SAGAR	24	22	38	78	62
BETUL	18	9	2	14	10	SATNA	164	42	6	42	40
BHIND	102	8	29	95	65	SEHORE	93	42	62	83	47
BHOPAL	36	15	8	25	15	SEONI	872	595	160	320	134
BURHANPUR	6	1	0	5	0	SHAHDOL	0	0	0	2	1
CHHATARPUR	5	0	0	3	2	SHAJAPUR	7	0	0	12	12
CHHINDWARA	62	28	30	56	7	SHEOPUR	546	32	284	919	83
DAMOH	57	32	24	47	37	SHIVPURI	106	4	19	78	128
DATIA	512	33	69	370	126	SIDHI	1	2	0	0	0
DEWAS	5	0	0	9	7	SINGRAULI	0	0	1	1	6
DHAR	31	0	0	33	13	TIKAMGARH	4	0	0	4	0
DINDORI	0	0	0	1	0	UJJAIN	5	0	0	14	8
EAST NIMAR	17	6	5	6	3	UMARIA	1	1	0	2	2
GUNA	52	2	60	374	533	VIDESHA	102	23	29	84	77
GWALIOR	580	23	40	137	55	WEST NIMAR	34	2	3	25	5
HARDA	13	19	7	26	9	<b>Total</b>	<b>5093</b>	<b>1494</b>	<b>1256</b>	<b>3905</b>	<b>2302</b>
HOSHANGABAD	695	341	179	460	196						
INDORE	3	0	0	12	12						
JABALPUR	190	46	45	116	87						
JHABUA	0	0	0	0	0						
KATNI	93	4	8	25	18						
MANDLA	33	40	8	11	3						
MANDSAUR	9	0	0	2	16						
MORENA	58	22	12	45	44						
NARSHIMAPURA	90	31	55	50	53						
NIMACH	1	0	0	1	2						

**State-wise and date-wise number of paddy residue burning events detected in 2020 ,2021 ,2022, 2023 and 2024**  
**(Period: 15 September-02 November)**

**Number of Paddy Residue Burning Events Detected**

Date	Punjab					Haryana					Uttar Pradesh				
	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
15-Sep	5	0	14	0	11	2	0	0	1	1	1	0	0	0	0
16-Sep	0	2	0	6	0	1	0	0	1	0	0	0	0	2	0
17-Sep	5	0	1	0	5	3	0	0	0	1	0	0	0	0	1
18-Sep	17	9	7	0	2	0	0	1	0	0	0	1	0	0	0
19-Sep	30	5	18	0	0	2	0	0	1	0	0	1	0	0	0
20-Sep	67	8	10	0	13	6	0	0	2	1	2	0	0	0	0
21-Sep	54	0	56	1	21	2	0	0	2	13	1	0	0	1	2
22-Sep	34	0	30	0	11	1	0	0	2	18	1	0	0	0	0
23-Sep	49	0	3	1	6	0	0	0	3	12	1	0	0	0	0
24-Sep	78	5	0	0	12	0	0	0	0	6	1	1	0	1	0
25-Sep	184	11	0	0	12	11	0	0	1	18	5	0	0	1	0
26-Sep	190	19	0	3	5	5	0	0	2	5	8	0	0	0	0
27-Sep	78	37	0	21	0	8	0	0	9	5	4	1	0	0	3
28-Sep	55	28	0	33	0	6	1	0	8	0	1	6	0	4	0
29-Sep	63	64	0	68	21	9	4	0	17	0	6	10	0	6	0
30-Sep	116	27	8	81	10	22	2	0	26	1	13	13	10	18	0
01-Oct	165	13	45	123	26	15	4	1	21	3	7	13	3	17	0
02-Oct	141	0	83	119	16	30	2	7	24	20	12	0	36	7	9
03-Oct	110	9	75	105	8	8	6	8	17	6	4	3	29	8	7
04-Oct	162	23	65	95	9	29	2	7	29	9	8	0	2	9	0
05-Oct	161	18	130	98	5	17	3	24	24	8	14	2	0	14	1
06-Oct	171	42	85	91	3	30	0	26	19	23	12	1	0	18	17
07-Oct	197	72	62	32	18	32	11	6	13	14	41	13	0	5	11
08-Oct	95	108	19	92	20	29	27	0	55	13	25	11	0	27	16
09-Oct	121	114	3	58	33	20	39	1	14	10	15	20	0	13	10
10-Oct	232	150	4	10	123	33	95	2	28	38	9	54	0	34	56
11-Oct	377	64	45	26	143	90	51	0	21	55	23	28	0	50	87
12-Oct	388	97	104	13	177	69	51	4	5	98	46	23	0	5	102



23-Sep	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
24-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25-Sep	0	0	0	0	0	1	0	0	0	3	0	0	0	1	0
26-Sep	0	0	0	1	0	1	0	0	0	0	2	0	0	0	2
27-Sep	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
28-Sep	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0
29-Sep	0	0	0	0	0	3	0	0	6	0	0	4	0	5	0
30-Sep	1	0	0	0	0	1	0	0	4	2	5	0	0	11	0
01-Oct	0	0	0	0	0	4	1	1	4	1	13	0	1	8	3
02-Oct	1	0	0	0	0	7	0	3	4	3	12	0	1	1	0
03-Oct	0	0	0	0	0	9	0	2	5	0	5	1	5	5	2
04-Oct	0	0	0	0	0	15	0	0	22	0	4	2	0	12	0
05-Oct	0	0	2	0	0	14	0	1	11	2	13	1	0	18	2
06-Oct	1	0	0	0	0	16	0	0	9	1	37	1	0	7	12
07-Oct	0	0	0	0	0	14	1	1	7	4	31	1	0	9	17
08-Oct	0	0	0	0	0	11	0	0	9	1	17	2	0	18	7
09-Oct	0	0	0	0	0	12	0	0	17	1	15	4	0	24	2
10-Oct	0	0	0	0	3	14	1	0	26	3	18	10	0	52	1
11-Oct	0	0	0	1	0	21	7	1	21	6	32	2	0	24	17
12-Oct	0	0	0	0	2	24	1	2	1	13	44	1	1	1	5
13-Oct	0	0	0	0	1	7	5	2	28	10	21	2	7	32	5
14-Oct	0	0	0	0	1	16	1	1	15	20	15	11	1	26	7
15-Oct	0	0	0	0	0	9	8	2	34	23	8	27	2	66	11
16-Oct	1	0	0	0	1	12	2	4	18	100	23	13	2	51	112
17-Oct	0	0	0	0	0	26	0	4	12	16	63	1	11	31	51
18-Oct	0	0	1	0	3	37	2	12	11	30	88	0	15	13	71
19-Oct	0	0	0	0	0	27	5	12	31	25	49	1	12	65	46
20-Oct	0	0	0	0	0	26	4	4	57	11	9	21	7	131	24
21-Oct	2	0	0	0	0	32	2	6	34	21	112	30	18	147	53
22-Oct	0	0	0	0	0	29	5	12	57	36	183	29	31	119	93
23-Oct	1	0	0	0	0	23	7	20	29	50	204	32	70	89	194
24-Oct	0	0	2	0	0	20	4	7	38	11	150	34	26	132	32
25-Oct	1	0	0	0	0	18	2	4	47	49	144	60	0	159	94
26-Oct	0	0	0	0	1	34	3	21	59	54	178	55	57	320	170
27-Oct	0	0	0	0	0	42	1	21	73	60	294	62	38	256	130
28-Oct	0	0	0	0	0	45	4	46	12	65	537	110	143	202	160
29-Oct	0	0	0	0	0	29	23	37	73	93	349	97	151	372	175

<b>30-Oct</b>	0	0	0	0	0	17	20	55	37	89	428	168	119	224	131
<b>31-Oct</b>	0	0	0	0	0	37	15	36	33	85	455	299	112	360	145
<b>01-Nov</b>	0	0	1	0	0	51	5	27	60	68	709	198	142	509	226
<b>02-Nov</b>	0	0	0	0	0	55	19	63	40	80	820	214	284	401	296
<b>Total</b>	<b>8</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>12</b>	<b>762</b>	<b>148</b>	<b>408</b>	<b>944</b>	<b>1036</b>	<b>5093</b>	<b>1494</b>	<b>1256</b>	<b>3905</b>	<b>2302</b>

### Details of residue burning events in Punjab on 02-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	31.82070	74.76842	02:24:12	N	0.50
2	AMRITSAR	AJNALA	S-NPP	31.87721	74.74026	13:34:12	D	2.20
3	AMRITSAR	AJNALA	S-NPP	31.88041	74.85866	13:34:12	D	4.00
4	AMRITSAR	AJNALA	S-NPP	31.88375	74.85800	13:34:12	D	4.00
5	AMRITSAR	AJNALA	S-NPP	31.88663	74.73417	13:34:12	D	2.00
6	AMRITSAR	AJNALA	S-NPP	31.91364	74.82661	13:34:12	D	4.20
7	AMRITSAR	AJNALA	S-NPP	31.91772	74.78327	13:34:12	D	1.60
8	AMRITSAR	AJNALA	S-NPP	31.94214	74.82176	13:34:12	D	2.60
9	AMRITSAR	AJNALA	S-NPP	31.98561	74.88579	13:34:12	D	3.60
10	AMRITSAR	AJNALA	S-NPP	32.00352	74.89084	13:34:12	D	3.70
11	AMRITSAR	ATTARI	S-NPP	31.56296	74.69005	13:34:12	D	2.10
12	AMRITSAR	ATTARI	S-NPP	31.57644	74.62888	13:34:12	D	6.60
13	AMRITSAR	ATTARI	S-NPP	31.59112	74.78996	13:34:12	D	3.30
14	AMRITSAR	ATTARI	S-NPP	31.61009	74.60120	13:34:12	D	2.40
15	AMRITSAR	CHOGAWAN	S-NPP	31.81886	74.62057	13:34:12	D	2.50
16	AMRITSAR	HARSHA CHHINA	S-NPP	31.77520	74.73376	13:34:12	D	4.00
17	AMRITSAR	HARSHA CHHINA	S-NPP	31.78959	74.78603	13:34:12	D	2.80
18	AMRITSAR	HARSHA CHHINA	S-NPP	31.80949	74.69852	13:34:12	D	3.40
19	AMRITSAR	MAJITHA	S-NPP	31.80001	75.05245	13:34:12	D	2.70
20	AMRITSAR	MAJITHA	S-NPP	31.82666	74.94896	13:34:12	D	3.10
21	AMRITSAR	RAYYA	S-NPP	31.50550	75.21405	13:34:12	D	1.90
22	AMRITSAR	RAYYA	S-NPP	31.50609	75.21822	13:34:12	D	1.90
23	AMRITSAR	RAYYA	S-NPP	31.51466	75.15666	13:34:12	D	10.00

24	AMRITSAR	RAYYA	S-NPP	31.61890	75.30067	13:34:12	D	4.40
25	AMRITSAR	RAYYA	S-NPP	31.62666	75.28194	13:34:12	D	3.70
26	AMRITSAR	RAYYA	S-NPP	31.63130	75.21653	13:34:12	D	2.20
27	AMRITSAR	TARSIKKA	S-NPP	31.64240	75.19723	13:34:12	D	5.70
28	BARNALA	BARNALA	S-NPP	30.22786	75.46827	13:34:12	D	2.70
29	BARNALA	BARNALA	S-NPP	30.23283	75.57708	13:34:12	D	10.70
30	BARNALA	BARNALA	S-NPP	30.23341	75.58121	13:34:12	D	3.10
31	BARNALA	BARNALA	S-NPP	30.23620	75.57645	13:34:12	D	10.70
32	BARNALA	MAHAL KALAN	S-NPP	30.44865	75.57609	13:34:12	D	10.10
33	BARNALA	MAHAL KALAN	S-NPP	30.47230	75.47411	13:34:12	D	4.30
34	BATHINDA	BATHINDA	S-NPP	30.09626	74.99255	13:34:12	D	2.10
35	BATHINDA	BHAGTA BHAI KA	S-NPP	30.40848	75.17072	13:34:12	D	1.50
36	BATHINDA	BHAGTA BHAI KA	S-NPP	30.43034	75.10807	13:34:12	D	1.50
37	BATHINDA	GONIANA MANDI	S-NPP	30.34988	74.97784	13:34:12	D	4.90
38	BATHINDA	MAUR	S-NPP	29.98729	75.22427	13:34:12	D	4.70
39	BATHINDA	MAUR	S-NPP	30.00546	75.27904	13:34:12	D	1.60
40	BATHINDA	MAUR	S-NPP	30.01808	75.24753	13:34:12	D	1.90
41	BATHINDA	MAUR	S-NPP	30.04675	75.24255	13:34:12	D	2.70
42	BATHINDA	NATHANA	S-NPP	30.25360	75.15407	13:34:12	D	1.80
43	BATHINDA	NATHANA	S-NPP	30.27289	75.12123	13:34:12	D	17.50
44	BATHINDA	NATHANA	S-NPP	30.36375	75.14584	13:34:12	D	4.70
45	BATHINDA	PHUL	S-NPP	30.28365	75.24433	13:34:12	D	13.80
46	BATHINDA	PHUL	S-NPP	30.28699	75.24370	13:34:12	D	13.00
47	BATHINDA	PHUL	S-NPP	30.34717	75.23227	13:34:12	D	2.10
48	BATHINDA	PHUL	S-NPP	30.37768	75.24355	13:34:12	D	0.90
49	BATHINDA	PHUL	S-NPP	30.38276	75.25515	13:34:12	D	4.10
50	BATHINDA	RAMPURA	S-NPP	30.13799	75.30448	13:34:12	D	5.90
51	BATHINDA	RAMPURA	S-NPP	30.17151	75.16923	13:34:12	D	1.10
52	BATHINDA	RAMPURA	S-NPP	30.18691	75.22878	13:34:12	D	3.30
53	BATHINDA	RAMPURA	S-NPP	30.19576	75.31483	13:34:12	D	4.70
54	BATHINDA	RAMPURA	S-NPP	30.19911	75.31419	13:34:12	D	4.70
55	BATHINDA	RAMPURA	S-NPP	30.20215	75.35968	13:34:12	D	16.50
56	BATHINDA	TALWANDI SABO	S-NPP	29.98181	74.92754	13:34:12	D	2.10

57	BATHINDA	TALWANDI SABO	S-NPP	30.02582	75.00196	13:34:12	D	3.70
58	BATHINDA	TALWANDI SABO	S-NPP	30.03223	75.04620	13:34:12	D	9.80
59	BATHINDA	TALWANDI SABO	S-NPP	30.03621	74.97932	13:34:12	D	2.80
60	BATHINDA	TALWANDI SABO	S-NPP	30.03679	74.98333	13:34:12	D	3.30
61	BATHINDA	TALWANDI SABO	S-NPP	30.05792	74.98753	13:34:12	D	2.10
62	FARIDKOT	FARIDKOT	S-NPP	30.60516	74.70586	13:34:12	D	9.50
63	FARIDKOT	FARIDKOT	S-NPP	30.72608	74.56680	13:34:12	D	13.40
64	FARIDKOT	FARIDKOT	S-NPP	30.73860	74.82975	13:34:12	D	3.30
65	FARIDKOT	JAITON	S-NPP	30.43507	74.91279	13:34:12	D	6.20
66	FARIDKOT	JAITON	S-NPP	30.46696	74.94401	13:34:12	D	18.40
67	FARIDKOT	KOT KAPURA	S-NPP	30.60184	74.70650	13:34:12	D	9.50
68	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.64127	76.35133	13:34:12	D	51.10
69	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67418	76.46645	13:34:12	D	6.40
70	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.69495	76.46277	13:34:12	D	3.90
71	FATEHGARH SAHIB	SIRHIND	AQUA	30.54000	76.42900	13:51:33	D	27.90
72	FATEHGARH SAHIB	SIRHIND	S-NPP	30.51885	76.36162	13:34:12	D	5.40
73	FATEHGARH SAHIB	SIRHIND	S-NPP	30.52067	76.36208	13:34:12	D	9.10
74	FATEHGARH SAHIB	SIRHIND	S-NPP	30.52229	76.36100	13:34:12	D	5.40
75	FATEHGARH SAHIB	SIRHIND	S-NPP	30.54830	76.43749	13:34:12	D	8.10
76	FATEHGARH SAHIB	SIRHIND	S-NPP	30.60013	76.42828	13:34:12	D	32.90
77	FAZILKA	ABOHAR	S-NPP	30.14721	74.35841	13:34:12	D	4.00
78	FIROZPUR	FIROZPUR	S-NPP	30.81586	74.57916	13:34:12	D	6.30
79	FIROZPUR	FIROZPUR	S-NPP	30.83826	74.54572	13:34:12	D	5.50
80	FIROZPUR	FIROZPUR	S-NPP	30.87735	74.57947	13:34:12	D	3.30
81	FIROZPUR	FIROZPUR	S-NPP	30.97436	74.59810	13:34:12	D	7.00
82	FIROZPUR	FIROZPUR	S-NPP	30.97495	74.60214	13:34:12	D	7.00
83	FIROZPUR	FIROZPUR	S-NPP	30.98892	74.67431	13:34:12	D	9.70
84	FIROZPUR	FIROZPUR	S-NPP	31.01716	74.61045	13:34:12	D	4.30
85	FIROZPUR	FIROZPUR	S-NPP	31.03044	74.60783	13:34:12	D	5.50
86	FIROZPUR	FIROZPUR	S-NPP	31.04125	74.61883	13:34:12	D	3.30
87	FIROZPUR	FIROZPUR	S-NPP	31.08260	74.78606	13:34:12	D	9.70
88	FIROZPUR	GHALL KHURD	AQUA	30.86300	74.68300	13:51:33	D	30.80
89	FIROZPUR	GHALL KHURD	AQUA	30.86400	74.67800	13:51:33	D	32.60

90	FIROZPUR	GHALL KHURD	S-NPP	30.76339	74.84601	13:34:12	D	12.20
91	FIROZPUR	GHALL KHURD	S-NPP	30.79725	74.84359	13:34:12	D	4.20
92	FIROZPUR	GHALL KHURD	S-NPP	30.82468	74.93848	13:34:12	D	3.80
93	FIROZPUR	GHALL KHURD	S-NPP	30.85502	74.68356	13:34:12	D	8.70
94	FIROZPUR	GHALL KHURD	S-NPP	30.91363	74.66374	13:34:12	D	1.10
95	FIROZPUR	GHALL KHURD	S-NPP	31.01795	74.75623	13:34:12	D	1.40
96	FIROZPUR	GURUHAR SAHAI	S-NPP	30.69982	74.22937	13:34:12	D	3.10
97	FIROZPUR	GURUHAR SAHAI	S-NPP	30.77491	74.30202	13:34:12	D	5.30
98	FIROZPUR	GURUHAR SAHAI	S-NPP	30.77550	74.30602	13:34:12	D	4.50
99	FIROZPUR	GURUHAR SAHAI	S-NPP	30.78295	74.44382	13:34:12	D	6.80
100	FIROZPUR	MAKHU	S-NPP	31.10396	75.05510	13:34:12	D	2.70
101	FIROZPUR	MAKHU	S-NPP	31.10454	75.05921	13:34:12	D	2.60
102	FIROZPUR	MAKHU	S-NPP	31.12237	74.82436	13:34:12	D	3.90
103	FIROZPUR	MAKHU	S-NPP	31.14233	75.03503	13:34:12	D	3.90
104	FIROZPUR	MAKHU	S-NPP	31.14878	75.08028	13:34:12	D	2.50
105	FIROZPUR	MAMDOT	AQUA	30.84400	74.45500	13:51:33	D	32.50
106	FIROZPUR	MAMDOT	S-NPP	30.77792	74.38705	13:34:12	D	3.00
107	FIROZPUR	MAMDOT	S-NPP	30.79927	74.30539	13:34:12	D	2.40
108	FIROZPUR	MAMDOT	S-NPP	30.79948	74.37557	13:34:12	D	5.20
109	FIROZPUR	MAMDOT	S-NPP	30.80258	74.30473	13:34:12	D	2.40
110	FIROZPUR	MAMDOT	S-NPP	30.81481	74.52548	13:34:12	D	1.40
111	FIROZPUR	MAMDOT	S-NPP	30.84211	74.43314	13:34:12	D	1.70
112	FIROZPUR	MAMDOT	S-NPP	30.87609	74.45535	13:34:12	D	3.50
113	FIROZPUR	MAMDOT	S-NPP	30.87669	74.45937	13:34:12	D	4.00
114	FIROZPUR	MAMDOT	S-NPP	30.87801	74.37635	13:34:12	D	1.40
115	FIROZPUR	MAMDOT	S-NPP	30.89153	74.39847	13:34:12	D	2.30
116	FIROZPUR	MAMDOT	S-NPP	30.89378	74.39836	13:34:12	D	2.40
117	FIROZPUR	MAMDOT	S-NPP	30.89404	74.53053	13:34:12	D	7.60
118	FIROZPUR	ZIRA	AQUA	30.94600	74.84300	13:51:33	D	33.60
119	FIROZPUR	ZIRA	S-NPP	30.89185	74.91414	13:34:12	D	2.30
120	FIROZPUR	ZIRA	S-NPP	30.91577	74.91369	13:34:12	D	1.80
121	FIROZPUR	ZIRA	S-NPP	30.91908	74.98430	13:34:12	D	7.50
122	FIROZPUR	ZIRA	S-NPP	30.92596	74.86568	13:34:12	D	4.30



123	FIROZPUR	ZIRA	S-NPP	30.94342	74.96281	13:34:12	D	6.10
124	FIROZPUR	ZIRA	S-NPP	30.96560	75.02152	13:34:12	D	9.80
125	FIROZPUR	ZIRA	S-NPP	30.99016	74.89551	13:34:12	D	1.90
126	FIROZPUR	ZIRA	S-NPP	31.00016	74.89357	13:34:12	D	8.20
127	FIROZPUR	ZIRA	S-NPP	31.00349	74.89292	13:34:12	D	8.20
128	GURDASPUR	BATALA	S-NPP	31.79685	75.27686	13:34:12	D	5.60
129	GURDASPUR	DERA BABA NANAK	S-NPP	31.88653	75.09709	13:34:12	D	1.40
130	GURDASPUR	DERA BABA NANAK	S-NPP	31.96812	75.03059	13:34:12	D	1.00
131	GURDASPUR	DERA BABA NANAK	S-NPP	31.97475	74.93068	13:34:12	D	4.50
132	GURDASPUR	DERA BABA NANAK	S-NPP	31.99957	75.13217	13:34:12	D	7.20
133	GURDASPUR	DHARIWAL	S-NPP	31.93047	75.21369	13:34:12	D	4.20
134	GURDASPUR	DHARIWAL	S-NPP	31.93105	75.21790	13:34:12	D	4.20
135	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.81102	75.10609	13:34:12	D	4.10
136	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.81437	75.10544	13:34:12	D	2.80
137	GURDASPUR	KALANAUR	S-NPP	32.03253	75.19504	13:34:12	D	1.80
138	GURDASPUR	QADIAN	S-NPP	31.76094	75.34777	13:34:12	D	2.40
139	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.60314	75.41175	13:34:12	D	3.30
140	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.71969	75.32529	13:34:12	D	17.90
141	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.73759	75.30459	13:34:12	D	2.40
142	HOSHIARPUR	TANDA	S-NPP	31.64586	75.49490	13:34:12	D	3.90
143	HOSHIARPUR	TANDA	S-NPP	31.64645	75.49915	13:34:12	D	3.40
144	JALANDHAR	JALANDHAR WEST	S-NPP	31.45715	75.61577	13:34:12	D	5.20
145	JALANDHAR	LOHIAN	S-NPP	31.10530	75.24470	13:34:12	D	2.50
146	JALANDHAR	LOHIAN	S-NPP	31.16264	75.34975	13:34:12	D	2.30
147	JALANDHAR	PHILLAUR	S-NPP	31.01258	75.85137	13:34:12	D	8.30
148	JALANDHAR	RURKA KALAN	S-NPP	31.13666	75.61607	13:34:12	D	4.30
149	JALANDHAR	SHAHKOT	AQUA	31.03700	75.38400	13:51:33	D	18.10
150	JALANDHAR	SHAHKOT	S-NPP	31.03820	75.38098	13:34:12	D	2.70
151	JALANDHAR	SHAHKOT	S-NPP	31.04493	75.37971	13:34:12	D	2.70
152	KAPURTHALA	DHILWAN	S-NPP	31.45148	75.40003	13:34:12	D	2.90
153	KAPURTHALA	DHILWAN	S-NPP	31.45592	75.27928	13:34:12	D	12.30
154	KAPURTHALA	DHILWAN	S-NPP	31.50093	75.40424	13:34:12	D	2.40
155	KAPURTHALA	KAPURTHALA	S-NPP	31.36032	75.28848	02:24:12	N	2.10

156	KAPURTHALA	NADALA	AQUA	31.59400	75.48900	13:51:33	D	25.30
157	KAPURTHALA	NADALA	AQUA	31.60000	75.49200	13:51:33	D	27.60
158	KAPURTHALA	NADALA	S-NPP	31.53705	75.41470	13:34:12	D	4.00
159	KAPURTHALA	NADALA	S-NPP	31.60125	75.49895	13:34:12	D	7.10
160	KAPURTHALA	NADALA	S-NPP	31.64351	75.47794	13:34:12	D	7.70
161	KAPURTHALA	PHAGWARA	S-NPP	31.25444	75.83945	13:34:12	D	8.60
162	KAPURTHALA	PHAGWARA	S-NPP	31.29262	75.73601	13:34:12	D	8.90
163	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.15940	75.08247	13:34:12	D	3.90
164	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.20081	75.19045	02:24:12	N	0.50
165	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.29514	75.13309	13:34:12	D	1.90
166	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.32727	75.16523	13:34:12	D	1.80
167	LUDHIANA	DEHLON	S-NPP	30.82458	75.92725	13:34:12	D	1.80
168	LUDHIANA	KHANNA	S-NPP	30.67830	76.20698	13:34:12	D	1.80
169	LUDHIANA	KHANNA	S-NPP	30.72870	76.23479	02:24:12	N	0.40
170	LUDHIANA	KHANNA	S-NPP	30.75599	76.16726	13:34:12	D	4.40
171	LUDHIANA	LUDHIANA 1	S-NPP	30.83401	75.71712	13:34:12	D	3.40
172	LUDHIANA	LUDHIANA 1	S-NPP	30.83460	75.72133	13:34:12	D	6.50
173	LUDHIANA	LUDHIANA 2	S-NPP	30.96060	75.95563	13:34:12	D	4.90
174	LUDHIANA	MACHHIWARA	S-NPP	30.91870	76.25907	13:34:12	D	2.50
175	LUDHIANA	MACHHIWARA	S-NPP	30.98317	76.27964	13:34:12	D	4.00
176	LUDHIANA	PAKHOWAL	S-NPP	30.70729	75.68385	13:34:12	D	1.90
177	LUDHIANA	RAIKOT	S-NPP	30.64409	75.67840	13:34:12	D	1.70
178	LUDHIANA	RAIKOT	S-NPP	30.64970	75.66878	13:34:12	D	4.20
179	LUDHIANA	SIDHWAN BET	S-NPP	30.82791	75.40173	02:24:12	N	0.40
180	LUDHIANA	SIDHWAN BET	S-NPP	30.86279	75.40814	02:24:12	N	1.00
181	LUDHIANA	SIDHWAN BET	S-NPP	30.96972	75.53884	13:34:12	D	2.00
182	MALERKOTLA	AMARGARH	S-NPP	30.44930	75.93130	13:34:12	D	3.90
183	MALERKOTLA	AMARGARH	S-NPP	30.45105	75.94397	13:34:12	D	15.10
184	MALERKOTLA	MALERKOTLA	AQUA	30.51500	75.80300	13:51:33	D	26.40
185	MALERKOTLA	MALERKOTLA	S-NPP	30.56305	75.84776	13:34:12	D	6.70
186	MALERKOTLA	MALERKOTLA	S-NPP	30.57323	75.84588	13:34:12	D	5.90
187	MANSA	BHIKHI	S-NPP	30.06966	75.56001	13:34:12	D	3.70
188	MANSA	BHIKHI	S-NPP	30.08914	75.46863	13:34:12	D	14.30

189	MANSA	BHIKHI	S-NPP	30.10759	75.59997	13:34:12	D	7.40
190	MANSA	BHIKHI	S-NPP	30.12971	75.41486	13:34:12	D	3.20
191	MANSA	BUDHLADA	S-NPP	29.76287	75.63190	13:34:12	D	2.10
192	MANSA	BUDHLADA	S-NPP	29.77658	75.60037	13:34:12	D	2.10
193	MANSA	BUDHLADA	S-NPP	29.80009	75.59600	13:34:12	D	6.30
194	MANSA	BUDHLADA	S-NPP	29.85453	75.61529	13:34:12	D	7.70
195	MANSA	BUDHLADA	S-NPP	29.87992	75.59010	13:34:12	D	7.30
196	MANSA	BUDHLADA	S-NPP	29.91140	75.61788	13:34:12	D	2.90
197	MANSA	BUDHLADA	S-NPP	29.97761	75.51832	13:34:12	D	12.00
198	MANSA	BUDHLADA	S-NPP	29.98653	75.61234	13:34:12	D	2.10
199	MANSA	BUDHLADA	S-NPP	29.98747	75.61323	13:34:12	D	2.90
200	MANSA	BUDHLADA	S-NPP	29.99459	75.56557	13:34:12	D	3.70
201	MANSA	JHUNIR	S-NPP	29.85103	75.36133	13:34:12	D	7.20
202	MANSA	JHUNIR	S-NPP	29.87764	75.33134	13:34:12	D	1.50
203	MANSA	JHUNIR	S-NPP	29.88517	75.38406	13:34:12	D	4.10
204	MANSA	MANSA	S-NPP	29.95341	75.34718	13:34:12	D	4.50
205	MANSA	MANSA	S-NPP	30.02479	75.43820	13:34:12	D	16.10
206	MANSA	MANSA	S-NPP	30.03711	75.26057	13:34:12	D	5.60
207	MANSA	MANSA	S-NPP	30.07078	75.36314	13:34:12	D	9.40
208	MOGA	BAGHA PURANA	S-NPP	30.56098	75.01366	13:34:12	D	1.60
209	MOGA	BAGHA PURANA	S-NPP	30.58957	75.04573	13:34:12	D	1.10
210	MOGA	BAGHA PURANA	S-NPP	30.65480	75.21351	13:34:12	D	1.10
211	MOGA	BAGHA PURANA	S-NPP	30.67271	75.21851	13:34:12	D	3.80
212	MOGA	BAGHA PURANA	S-NPP	30.67329	75.22262	13:34:12	D	4.60
213	MOGA	BAGHA PURANA	S-NPP	30.72416	74.96598	13:34:12	D	4.70
214	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	31.00000	75.31300	13:51:33	D	28.70
215	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	31.00500	75.30700	13:51:33	D	22.00
216	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.04139	75.23138	13:34:12	D	7.30
217	MOGA	MOGA 1	S-NPP	30.72665	75.36935	13:34:12	D	7.60
218	MOGA	MOGA 1	S-NPP	30.75365	75.19520	13:34:12	D	1.80
219	MOGA	MOGA 1	S-NPP	30.76327	75.21443	13:34:12	D	4.00
220	MOGA	MOGA 1	S-NPP	30.78454	75.21883	13:34:12	D	2.10
221	MOGA	MOGA 2	S-NPP	30.75966	75.02187	13:34:12	D	2.70

222	MOGA	MOGA 2	S-NPP	30.78520	75.02145	13:34:12	D	2.80
223	MOGA	MOGA 2	S-NPP	30.82821	74.96291	13:34:12	D	10.50
224	MOGA	MOGA 2	S-NPP	30.88612	74.96970	13:34:12	D	7.00
225	MOGA	NIHAL SINGH	S-NPP	30.52044	75.29330	13:34:12	D	6.30
226	MOGA	NIHAL SINGH	S-NPP	30.56022	75.40392	13:34:12	D	2.30
227	MOGA	NIHAL SINGH	S-NPP	30.56051	75.35738	13:34:12	D	2.90
228	MOGA	NIHAL SINGH	S-NPP	30.56387	75.35674	13:34:12	D	2.90
229	MOGA	NIHAL SINGH	S-NPP	30.57670	75.35010	13:34:12	D	6.00
230	MOGA	NIHAL SINGH	S-NPP	30.58006	75.34946	13:34:12	D	5.30
231	MOGA	NIHAL SINGH	S-NPP	30.62381	75.26150	13:34:12	D	4.50
232	MOGA	NIHAL SINGH	S-NPP	30.63602	75.34778	13:34:12	D	1.70
233	MOGA	NIHAL SINGH	S-NPP	30.66559	75.24092	13:34:12	D	14.30
234	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.19816	74.70127	13:34:12	D	6.70
235	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.28082	74.66040	13:34:12	D	3.30
236	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.28141	74.66441	13:34:12	D	6.70
237	MUKTSAR	LAMBI	S-NPP	29.97010	74.50760	13:34:12	D	2.80
238	MUKTSAR	LAMBI	S-NPP	30.09388	74.54483	13:34:12	D	2.10
239	MUKTSAR	MALOUT	S-NPP	30.28012	74.36489	13:34:12	D	5.80
240	MUKTSAR	MALOUT	S-NPP	30.34554	74.48337	13:34:12	D	3.30
241	MUKTSAR	MUKTSAR	S-NPP	30.43237	74.59074	13:34:12	D	9.20
242	MUKTSAR	MUKTSAR	S-NPP	30.49099	74.46413	13:34:12	D	2.90
243	MUKTSAR	MUKTSAR	S-NPP	30.62618	74.59864	13:34:12	D	9.80
244	MUKTSAR	MUKTSAR	S-NPP	30.66098	74.53391	13:34:12	D	20.20
245	PATIALA	BHUNARHERI	S-NPP	30.21735	76.57707	13:34:12	D	8.00
246	PATIALA	GHANAUR	S-NPP	30.36815	76.70599	13:34:12	D	4.30
247	PATIALA	GHANAUR	S-NPP	30.37918	76.70860	13:34:12	D	4.00
248	PATIALA	GHANAUR	S-NPP	30.39986	76.54247	13:34:12	D	5.00
249	PATIALA	NABHA	AQUA	30.43100	76.28900	13:51:33	D	16.70
250	PATIALA	NABHA	S-NPP	30.33881	75.98960	13:34:12	D	13.40
251	PATIALA	NABHA	S-NPP	30.39961	76.25360	13:34:12	D	6.90
252	PATIALA	NABHA	S-NPP	30.46124	76.27438	13:34:12	D	5.30
253	PATIALA	PATIALA	AQUA	30.41000	76.32000	13:51:33	D	25.30
254	PATIALA	PATIALA	S-NPP	30.34769	76.31140	13:34:12	D	3.30

255	PATIALA	PATRAN	S-NPP	29.86462	76.08521	13:34:12	D	7.90
256	PATIALA	PATRAN	S-NPP	29.92426	76.11320	13:34:12	D	6.90
257	PATIALA	RAJPURA	S-NPP	30.54632	76.67151	13:34:12	D	1.90
258	PATIALA	SAMANA	S-NPP	30.08072	76.13894	13:34:12	D	3.30
259	PATIALA	SAMANA	S-NPP	30.11958	76.21896	13:34:12	D	5.20
260	PATIALA	SAMANA	S-NPP	30.13704	76.18422	02:24:12	N	0.50
261	PATIALA	SAMANA	S-NPP	30.21658	76.18930	13:34:12	D	7.20
262	PATIALA	SANAUR	AQUA	30.34000	76.49800	13:51:33	D	42.90
263	PATIALA	SANAUR	S-NPP	30.14159	76.38168	13:34:12	D	1.40
264	PATIALA	SANAUR	S-NPP	30.16895	76.32396	13:34:12	D	1.40
265	PATIALA	SANAUR	S-NPP	30.17808	76.31355	13:34:12	D	14.00
266	RUPNAGAR	ANANDPUR SAHIB	S-NPP	31.21047	76.47743	13:34:12	D	3.60
267	RUPNAGAR	CHAMKAUR SAHIB	S-NPP	30.89434	76.44766	13:34:12	D	1.50
268	SANGRUR	ANDANA	S-NPP	29.76077	75.93660	13:34:12	D	4.40
269	SANGRUR	ANDANA	S-NPP	29.79382	75.87529	13:34:12	D	3.00
270	SANGRUR	ANDANA	S-NPP	29.81106	75.87262	13:34:12	D	5.80
271	SANGRUR	ANDANA	S-NPP	29.81794	75.92243	13:34:12	D	2.90
272	SANGRUR	ANDANA	S-NPP	29.89209	75.98151	13:34:12	D	3.80
273	SANGRUR	BHAWANIGARH	AQUA	30.24400	75.98300	13:51:33	D	26.60
274	SANGRUR	BHAWANIGARH	AQUA	30.27400	76.05500	13:51:33	D	26.20
275	SANGRUR	BHAWANIGARH	S-NPP	30.21195	75.95166	13:34:12	D	4.50
276	SANGRUR	BHAWANIGARH	S-NPP	30.24262	75.97193	13:34:12	D	7.20
277	SANGRUR	BHAWANIGARH	S-NPP	30.25051	76.10475	13:34:12	D	7.00
278	SANGRUR	BHAWANIGARH	S-NPP	30.26392	75.97730	13:34:12	D	6.60
279	SANGRUR	BHAWANIGARH	S-NPP	30.26732	75.97668	13:34:12	D	2.20
280	SANGRUR	BHAWANIGARH	S-NPP	30.28345	76.12122	13:34:12	D	4.20
281	SANGRUR	BHAWANIGARH	S-NPP	30.29773	76.14919	13:34:12	D	7.50
282	SANGRUR	BHAWANIGARH	S-NPP	30.30105	76.09627	13:34:12	D	8.10
283	SANGRUR	DHURI	S-NPP	30.28683	75.71569	13:34:12	D	3.40
284	SANGRUR	DHURI	S-NPP	30.38598	75.80075	13:34:12	D	6.70
285	SANGRUR	DHURI	S-NPP	30.43071	75.82259	13:34:12	D	1.70
286	SANGRUR	DIRBA	AQUA	30.16900	75.89600	13:51:33	D	21.50
287	SANGRUR	DIRBA	S-NPP	30.14332	75.88261	13:34:12	D	4.10

288	SANGRUR	LEHRA GAGA	S-NPP	29.81661	75.83763	13:34:12	D	2.00
289	SANGRUR	LEHRA GAGA	S-NPP	29.85781	75.85981	13:34:12	D	10.10
290	SANGRUR	LEHRA GAGA	S-NPP	29.86118	75.85919	13:34:12	D	4.90
291	SANGRUR	LEHRA GAGA	S-NPP	29.96875	75.92973	13:34:12	D	3.70
292	SANGRUR	SANGRUR	AQUA	30.15700	75.64700	13:51:33	D	20.70
293	SANGRUR	SANGRUR	AQUA	30.17600	75.89800	13:51:33	D	24.30
294	SANGRUR	SANGRUR	AQUA	30.23900	75.95700	13:51:33	D	47.30
295	SANGRUR	SANGRUR	S-NPP	30.14934	75.65144	13:34:12	D	7.60
296	SANGRUR	SANGRUR	S-NPP	30.15607	75.65018	13:34:12	D	4.20
297	SANGRUR	SANGRUR	S-NPP	30.15979	75.60293	13:34:12	D	3.70
298	SANGRUR	SANGRUR	S-NPP	30.16676	75.65244	13:34:12	D	5.00
299	SANGRUR	SANGRUR	S-NPP	30.17257	75.69379	13:34:12	D	2.80
300	SANGRUR	SANGRUR	S-NPP	30.22204	75.92400	13:34:12	D	4.80
301	SANGRUR	SANGRUR	S-NPP	30.22777	75.73940	13:34:12	D	3.10
302	SANGRUR	SANGRUR	S-NPP	30.23230	75.74709	13:34:12	D	3.60
303	SANGRUR	SANGRUR	S-NPP	30.24145	75.96352	13:34:12	D	4.50
304	SANGRUR	SANGRUR	S-NPP	30.26750	75.82608	13:34:12	D	1.80
305	SANGRUR	SANGRUR	S-NPP	30.27688	75.94472	13:34:12	D	2.80
306	SANGRUR	SANGRUR	S-NPP	30.27905	75.90986	13:34:12	D	11.80
307	SANGRUR	SANGRUR	S-NPP	30.27963	75.91406	13:34:12	D	4.60
308	SANGRUR	SANGRUR	S-NPP	30.28021	75.91827	13:34:12	D	4.60
309	SANGRUR	SANGRUR	S-NPP	30.28510	75.85287	13:34:12	D	2.00
310	SANGRUR	SHER PUR	S-NPP	30.33081	75.65285	13:34:12	D	2.90
311	SANGRUR	SHER PUR	S-NPP	30.35354	75.71684	13:34:12	D	2.70
312	SANGRUR	SHER PUR	S-NPP	30.38937	75.80013	13:34:12	D	6.70
313	SANGRUR	SHER PUR	S-NPP	30.42533	75.75920	13:34:12	D	3.00
314	SANGRUR	SHER PUR	S-NPP	30.46173	75.77012	13:34:12	D	8.80
315	SANGRUR	SHER PUR	S-NPP	30.46511	75.76949	13:34:12	D	8.80
316	SANGRUR	SHER PUR	S-NPP	30.49886	75.73753	13:34:12	D	28.50
317	SANGRUR	SUNAM	AQUA	30.01400	75.78500	13:51:33	D	92.70
318	SANGRUR	SUNAM	AQUA	30.02000	75.81200	13:51:33	D	22.70
319	SANGRUR	SUNAM	AQUA	30.10900	75.72300	13:51:33	D	26.20
320	SANGRUR	SUNAM	S-NPP	30.00171	75.71940	13:34:12	D	4.70

321	SANGRUR	SUNAM	S-NPP	30.00239	75.72035	13:34:12	D	6.70
322	SANGRUR	SUNAM	S-NPP	30.01876	75.73853	13:34:12	D	7.50
323	SANGRUR	SUNAM	S-NPP	30.01933	75.74268	13:34:12	D	7.50
324	SANGRUR	SUNAM	S-NPP	30.02471	75.93235	13:34:12	D	3.40
325	SANGRUR	SUNAM	S-NPP	30.02780	75.75383	13:34:12	D	7.20
326	SANGRUR	SUNAM	S-NPP	30.04053	75.87075	13:34:12	D	5.50
327	SANGRUR	SUNAM	S-NPP	30.04542	75.80587	13:34:12	D	3.10
328	SANGRUR	SUNAM	S-NPP	30.06645	75.85745	13:34:12	D	2.80
329	SANGRUR	SUNAM	S-NPP	30.08701	75.65811	13:34:12	D	3.10
330	SANGRUR	SUNAM	S-NPP	30.10612	75.66370	13:34:12	D	1.90
331	SANGRUR	SUNAM	S-NPP	30.12851	75.82544	13:34:12	D	3.10
332	SANGRUR	SUNAM	S-NPP	30.16582	75.69505	13:34:12	D	3.10
333	SANGRUR	SUNAM	S-NPP	30.17779	75.73108	13:34:12	D	3.80
334	SAS NAGAR	DERABASSI	S-NPP	30.46842	76.84383	13:34:12	D	2.20
335	SBS NAGAR	BALACHAUR	S-NPP	31.02582	76.30790	13:34:12	D	4.50
336	SBS NAGAR	NAWAN SHAHR	S-NPP	31.08332	76.08941	13:34:12	D	38.30
337	SBS NAGAR	NAWAN SHAHR	S-NPP	31.12273	76.09718	02:24:12	N	0.70
338	TARN TARAN	BHIKHIWIND	S-NPP	31.27910	74.71964	13:34:12	D	6.40
339	TARN TARAN	BHIKHIWIND	S-NPP	31.28517	74.71425	13:34:12	D	3.20
340	TARN TARAN	BHIKHIWIND	S-NPP	31.28850	74.71359	13:34:12	D	3.20
341	TARN TARAN	BHIKHIWIND	S-NPP	31.34164	74.63190	13:34:12	D	1.40
342	TARN TARAN	BHIKHIWIND	S-NPP	31.36448	74.61102	13:34:12	D	2.70
343	TARN TARAN	BHIKHIWIND	S-NPP	31.37090	74.58462	13:34:12	D	2.80
344	TARN TARAN	CHOHLA SAHIB	AQUA	31.18600	74.94300	13:51:33	D	20.60
345	TARN TARAN	CHOHLA SAHIB	S-NPP	31.18890	74.94199	13:34:12	D	5.70
346	TARN TARAN	CHOHLA SAHIB	S-NPP	31.19808	74.98238	13:34:12	D	3.90
347	TARN TARAN	CHOHLA SAHIB	S-NPP	31.21420	74.97504	13:34:12	D	1.80
348	TARN TARAN	CHOHLA SAHIB	S-NPP	31.22907	75.03131	13:34:12	D	2.10
349	TARN TARAN	CHOHLA SAHIB	S-NPP	31.26428	75.03721	13:34:12	D	18.70
350	TARN TARAN	CHOHLA SAHIB	S-NPP	31.31860	75.12859	13:34:12	D	2.00
351	TARN TARAN	GANDIWIND TATLA	S-NPP	31.40782	74.74516	13:34:12	D	4.20
352	TARN TARAN	KHADUR SAHIB	S-NPP	31.45145	75.17306	13:34:12	D	2.10
353	TARN TARAN	KHADUR SAHIB	S-NPP	31.46663	75.18297	13:34:12	D	10.10

354	TARN TARAN	KHADUR SAHIB	S-NPP	31.47452	75.19001	13:34:12	D	10.60
355	TARN TARAN	KHADUR SAHIB	S-NPP	31.47671	75.18104	13:34:12	D	2.10
356	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.38310	74.91814	13:34:12	D	3.10
357	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.38644	74.91750	13:34:12	D	3.10
358	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.40178	74.95258	13:34:12	D	4.30
359	TARN TARAN	PATTI	AQUA	31.14000	74.80300	13:51:33	D	23.80
360	TARN TARAN	PATTI	AQUA	31.19500	74.84900	13:51:33	D	32.70
361	TARN TARAN	PATTI	AQUA	31.19800	74.84100	13:51:33	D	24.70
362	TARN TARAN	PATTI	S-NPP	31.14000	74.80416	13:34:12	D	2.70
363	TARN TARAN	PATTI	S-NPP	31.14628	74.82390	13:34:12	D	38.90
364	TARN TARAN	PATTI	S-NPP	31.16294	74.82065	13:34:12	D	5.80
365	TARN TARAN	PATTI	S-NPP	31.16627	74.81999	13:34:12	D	5.20
366	TARN TARAN	PATTI	S-NPP	31.17434	74.85200	13:34:12	D	1.20
367	TARN TARAN	PATTI	S-NPP	31.17636	74.96096	13:34:12	D	19.10
368	TARN TARAN	PATTI	S-NPP	31.19134	74.81537	13:34:12	D	2.80
369	TARN TARAN	PATTI	S-NPP	31.21682	74.80199	13:34:12	D	2.90
370	TARN TARAN	PATTI	S-NPP	31.26619	74.78815	13:34:12	D	2.00
371	TARN TARAN	PATTI	S-NPP	31.33792	74.84258	13:34:12	D	5.00
372	TARN TARAN	TARN TARAN	S-NPP	31.40978	74.78263	13:34:12	D	1.30
373	TARN TARAN	TARN TARAN	S-NPP	31.45590	74.84107	13:34:12	D	3.20
374	TARN TARAN	TARN TARAN	S-NPP	31.48774	74.91940	13:34:12	D	8.90
375	TARN TARAN	TARN TARAN	S-NPP	31.50399	74.82812	13:34:12	D	7.10
376	TARN TARAN	VALTOHA	S-NPP	31.10411	74.58142	13:34:12	D	4.80
377	TARN TARAN	VALTOHA	S-NPP	31.13666	74.57938	13:34:12	D	4.10
378	TARN TARAN	VALTOHA	S-NPP	31.16972	74.61872	13:34:12	D	6.50
379	TARN TARAN	VALTOHA	S-NPP	31.19037	74.57293	13:34:12	D	6.20



### Details of residue burning events in Haryana on 02-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	JHAJJAR	BAHADURGARH	S-NPP	28.76890	76.88190	13:34:12	D	2.30
2	JIND	NARWANA	S-NPP	29.66328	76.01327	13:34:12	D	5.20
3	JIND	NARWANA	S-NPP	29.66666	76.01265	13:34:12	D	3.70
4	KAITHAL	GUHLA	S-NPP	29.99097	76.24504	13:34:12	D	9.40
5	KAITHAL	GUHLA	S-NPP	30.11958	76.21896	13:34:12	D	5.20
6	KAITHAL	SIWAN	S-NPP	29.97728	76.22138	13:34:12	D	3.10
7	KARNAL	ASSANDH	S-NPP	29.60554	76.58539	13:34:12	D	12.80
8	KARNAL	ASSANDH	S-NPP	29.60637	76.58826	02:24:12	N	9.80
9	KURUKSHETRA	ISMAILABAD	S-NPP	30.11806	76.69158	13:34:12	D	6.50
10	PANCHKULA	BARWALA	S-NPP	30.53908	76.91599	13:34:12	D	3.80
11	PANCHKULA	RAIPUR RANI	S-NPP	30.52321	77.01642	13:34:12	D	1.10
12	SIRSA	ODHAN	S-NPP	29.94663	74.89729	13:34:12	D	10.70
13	SIRSA	RANIA	S-NPP	29.52451	74.86635	02:24:12	N	1.10
14	SIRSA	SIRSA	S-NPP	29.49976	75.01348	02:24:12	N	0.90
15	SIRSA	SIRSA	S-NPP	29.50065	75.01218	02:24:12	N	0.90
16	SONIPAT	MUNDLANA	S-NPP	29.21261	76.73869	13:34:12	D	3.90
17	YAMUNANAGAR	CHHACHHRAULI	S-NPP	30.25550	77.33550	13:34:12	D	2.90
18	YAMUNANAGAR	CHHACHHRAULI	S-NPP	30.30012	77.37093	13:34:12	D	4.10
19	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.24076	77.24799	13:34:12	D	2.90

### Details of residue burning events in Uttar Pradesh on 02-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AGRA	KURAU LI	S-NPP	27.09869	77.72045	13:34:12	D	11.30
2	AGRA	KURAU LI	S-NPP	27.10220	77.71988	13:34:12	D	3.00
3	ALIGARH	GABHANA	S-NPP	27.99476	77.96040	13:34:12	D	1.50
4	ALIGARH	KHAIR	S-NPP	27.87106	77.83428	13:34:12	D	2.10
5	ALIGARH	KHAIR	S-NPP	27.99602	77.85754	13:34:12	D	4.30
6	ALLAHABAD	HADIYA	S-NPP	25.42022	82.24222	13:34:12	D	3.40
7	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.40300	82.69260	13:34:12	D	3.10
8	BARABANKI	SIRAU LI GAUSPUR	AQUA	27.04500	81.45600	13:51:33	D	8.80
9	BAREILLY	BAREILY	S-NPP	28.33532	79.56742	13:34:12	D	3.40
10	BULANSAHAR	DIBAI	S-NPP	28.16685	78.31036	02:24:12	N	0.60
11	ETAWAH	BHARTHNA	S-NPP	26.61569	79.22573	13:34:12	D	3.10
12	ETAWAH	BHARTHNA	S-NPP	26.65134	79.17461	13:34:12	D	5.50
13	ETAWAH	BHARTHNA	S-NPP	26.80120	79.23903	13:34:12	D	3.40
14	ETAWAH	ETAWAH	S-NPP	26.73627	79.05386	13:34:12	D	4.70
15	ETAWAH	SAIFAI	S-NPP	26.92032	78.98977	13:34:12	D	3.30
16	FATEHPUR	FATEHPUR	S-NPP	25.84761	80.64552	13:34:12	D	1.00
17	FATEHPUR	FATEHPUR	S-NPP	25.89339	80.72193	13:34:12	D	6.20
18	FATEHPUR	FATEHPUR	S-NPP	25.91275	80.88750	13:34:12	D	3.80
19	FATEHPUR	FATEHPUR	S-NPP	26.01245	80.86261	13:34:12	D	2.00
20	FATEHPUR	FATEHPUR	S-NPP	26.01653	80.86205	13:34:12	D	2.00
21	FATEHPUR	KHAGA	S-NPP	25.65997	81.05625	13:34:12	D	2.50
22	FATEHPUR	KHAGA	S-NPP	25.70876	81.00864	13:34:12	D	11.40
23	FATEHPUR	KHAGA	S-NPP	25.74494	81.01180	13:34:12	D	6.20
24	FIROZABAD	JASRANA	S-NPP	27.24387	78.67570	02:24:12	N	1.00
25	FIROZABAD	SIKOHABAD	S-NPP	27.06141	78.63701	13:34:12	D	4.20
26	GAUTAMBUDHNAGAR	JEVAR	S-NPP	28.09794	77.70738	02:24:12	N	5.50
27	GONDA	COLONELGANJ	S-NPP	27.09253	81.76787	13:34:12	D	2.00
28	HARDOI	BILGRAM	AQUA	27.12200	80.18100	13:51:33	D	9.70
29	HARDOI	BILGRAM	S-NPP	27.19620	79.96754	13:34:12	D	4.00

30	HARDOI	SHAHABAD	S-NPP	27.44812	79.91970	13:34:12	D	2.90
31	HATHRAS	HATHRAS	S-NPP	27.60801	78.14059	02:24:12	N	0.90
32	JHANSI	JHANSI	S-NPP	25.51732	78.68049	13:34:12	D	5.40
33	JHANSI	JHANSI	S-NPP	25.55697	78.70222	13:34:12	D	5.30
34	JHANSI	MOTH	S-NPP	25.66217	78.88070	13:34:12	D	4.40
35	JHANSI	MOTH	S-NPP	25.86580	79.08538	13:34:12	D	2.90
36	KANNAUJ	CHHIBRAMAU	S-NPP	27.00676	79.41359	13:34:12	D	3.60
37	KANNAUJ	TIRWA	S-NPP	26.89904	79.62729	02:24:12	N	1.10
38	KANPUR	BILHAUR	S-NPP	26.83167	79.90405	13:34:12	D	2.80
39	KANPUR	GHATAMPUR	AQUA	26.19600	80.01100	13:51:33	D	15.00
40	KANPUR	GHATAMPUR	S-NPP	26.20565	80.01338	13:34:12	D	2.40
41	KANPUR	GHATAMPUR	S-NPP	26.22901	80.01002	13:34:12	D	14.90
42	KANPUR	KANPUR NAGAR	S-NPP	26.27188	80.30090	13:34:12	D	2.90
43	KANPUR DEHAT	SIKANDRA	S-NPP	26.47039	79.60604	13:34:12	D	3.50
44	KANPUR DEHAT	SIKANDRA	S-NPP	26.49900	79.71368	13:34:12	D	2.40
45	KAUSHAMBI	MANJHANPUR	S-NPP	25.37077	81.33862	13:34:12	D	4.40
46	KAUSHAMBI	SIRATHU	AQUA	25.57400	81.25100	13:51:33	D	11.20
47	KAUSHAMBI	SIRATHU	S-NPP	25.69118	81.22229	13:34:12	D	3.20
48	KHERI	GOLA	S-NPP	27.89995	80.31454	13:34:12	D	2.30
49	LUCKNOW	MOHANLAL GANJ	AQUA	26.73200	81.08800	13:51:33	D	8.60
50	LUCKNOW	MOHANLAL GANJ	S-NPP	26.63144	81.11010	13:34:12	D	6.10
51	LUCKNOW	MOHANLAL GANJ	S-NPP	26.66393	81.09718	13:34:12	D	3.40
52	LUCKNOW	MOHANLAL GANJ	S-NPP	26.70399	81.10535	13:34:12	D	5.50
53	MAHARAJGANJ	NAUTANWA	AQUA	27.41000	83.63500	13:51:33	D	5.40
54	MAHARAJGANJ	NAUTANWA	S-NPP	27.40983	83.63634	13:34:12	D	2.40
55	MAINPURI	BHOGAON	S-NPP	27.01921	79.22152	02:24:12	N	0.70
56	MAINPURI	KARHAL	S-NPP	26.98166	79.02568	13:34:12	D	3.30
57	MAINPURI	KARHAL	S-NPP	26.99498	79.06606	13:34:12	D	5.20
58	MAINPURI	KARHAL	S-NPP	26.99603	79.10657	13:34:12	D	5.90
59	MAINPURI	KARHAL	S-NPP	27.05240	78.91634	13:34:12	D	1.80
60	MAINPURI	MAINPURI	S-NPP	27.14097	78.94592	13:34:12	D	2.60
61	MATHURA	CHHATA	S-NPP	27.57610	77.44655	13:34:12	D	2.10
62	MATHURA	CHHATA	S-NPP	27.78895	77.48421	02:24:12	N	1.30
63	MATHURA	CHHATA	S-NPP	27.78995	77.47903	02:24:12	N	1.30

64	MATHURA	CHHATA	S-NPP	27.80627	77.42337	13:34:12	D	1.80
65	MATHURA	MAT	S-NPP	27.74115	77.77595	13:34:12	D	4.70
66	MATHURA	MATHURA	S-NPP	27.48786	77.40722	13:34:12	D	1.80
67	MATHURA	MATHURA	S-NPP	27.54606	77.54839	13:34:12	D	2.70
68	MEERUT	MAWANA	S-NPP	28.91062	77.92709	13:34:12	D	1.90
69	MEERUT	MAWANA	S-NPP	29.18542	78.08095	13:34:12	D	3.50
70	PILHIBHIT	PURANPUR	S-NPP	28.53573	80.05080	02:24:12	N	0.60
71	PILHIBHIT	PURANPUR	S-NPP	28.54568	80.04160	02:24:12	N	0.90
72	PILHIBHIT	PURANPUR	S-NPP	28.54723	80.03926	02:24:12	N	0.60
73	RAIBEARELI	LALGANJ	S-NPP	26.31326	80.90366	13:34:12	D	4.00
74	RAIBEARELI	MAHARAJGANG	AQUA	26.44500	81.27300	13:51:33	D	8.70
75	RAIBEARELI	RAEBARELI	S-NPP	26.23419	81.19053	13:34:12	D	2.70
76	SAMBHAL	SAMBHAL	S-NPP	28.75582	78.61475	13:34:12	D	1.90
77	SHAHJAHANPUR	PUWANYA	S-NPP	27.93248	80.07272	02:24:12	N	0.50
78	SHAHJAHANPUR	PUWANYA	S-NPP	27.97795	80.03004	02:24:12	N	0.50
79	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.66880	79.83762	13:34:12	D	3.70
80	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.85266	79.98178	13:34:12	D	2.80
81	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.87759	79.86073	13:34:12	D	2.60
82	UNNAO	BIGHAPUR	S-NPP	26.28321	80.60508	13:34:12	D	2.00
83	UNNAO	BIGHAPUR	S-NPP	26.33615	80.67397	13:34:12	D	3.80
84	UNNAO	PURWA	S-NPP	26.37217	80.96293	13:34:12	D	2.30
85	UNNAO	PURWA	S-NPP	26.48606	80.91039	13:34:12	D	2.20
86	UNNAO	PURWA	S-NPP	26.56163	80.91258	13:34:12	D	4.80
87	UNNAO	UNNAO	S-NPP	26.29935	80.60284	13:34:12	D	1.50

### Details of residue burning events in Rajasthan on 02-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BARAN	KISHANGUNJ	S-NPP	24.87285	76.87105	13:34:12	D	1.20
2	BARAN	KISHANGUNJ	S-NPP	24.99643	76.80262	13:34:12	D	5.20
3	BARAN	KISHANGUNJ	S-NPP	25.28549	76.62917	13:34:12	D	1.80
4	BARAN	MANGROL	AQUA	25.29700	76.51400	13:51:33	D	41.80
5	BARAN	MANGROL	AQUA	25.29800	76.50900	13:51:33	D	36.90
6	BARAN	MANGROL	S-NPP	25.30444	76.52200	13:34:12	D	3.50
7	BARAN	MANGROL	S-NPP	25.30778	76.52141	13:34:12	D	3.50
8	BARAN	MANGROL	S-NPP	25.31057	76.51694	13:34:12	D	1.20
9	BARAN	MANGROL	S-NPP	25.36285	76.46462	13:34:12	D	8.20
10	BARAN	SHAHBAD	AQUA	25.08400	76.98000	13:51:33	D	43.60
11	BARAN	SHAHBAD	AQUA	25.09300	76.99900	13:51:33	D	35.50
12	BARAN	SHAHBAD	S-NPP	25.12468	77.06757	13:34:12	D	3.40
13	BARAN	SHAHBAD	S-NPP	25.14146	77.13811	13:34:12	D	2.50
14	BUNDI	BUNDI	S-NPP	25.30039	75.69158	13:34:12	D	3.20
15	BUNDI	BUNDI	S-NPP	25.30500	75.85914	13:34:12	D	11.70
16	BUNDI	BUNDI	S-NPP	25.31883	75.86057	13:34:12	D	3.20
17	BUNDI	BUNDI	S-NPP	25.32149	75.83266	13:34:12	D	4.20
18	BUNDI	BUNDI	S-NPP	25.32848	75.67474	13:34:12	D	8.70
19	BUNDI	BUNDI	S-NPP	25.33657	75.63808	13:34:12	D	36.60
20	BUNDI	BUNDI	S-NPP	25.34002	75.77444	13:34:12	D	2.40
21	BUNDI	BUNDI	S-NPP	25.36618	75.81284	13:34:12	D	5.40
22	BUNDI	BUNDI	S-NPP	25.36896	75.81235	13:34:12	D	5.40
23	BUNDI	BUNDI	S-NPP	25.44436	75.86154	13:34:12	D	3.80
24	BUNDI	KESHORAIPATAN	S-NPP	25.29445	76.01801	13:34:12	D	3.30
25	BUNDI	KESHORAIPATAN	S-NPP	25.31561	75.88467	13:34:12	D	9.30
26	BUNDI	KESHORAIPATAN	S-NPP	25.32653	76.00441	13:34:12	D	9.80
27	BUNDI	KESHORAIPATAN	S-NPP	25.36807	76.00877	13:34:12	D	3.80
28	BUNDI	KESHORAIPATAN	S-NPP	25.37266	75.90189	13:34:12	D	6.30
29	BUNDI	KESHORAIPATAN	S-NPP	25.37698	76.02292	13:34:12	D	1.90
30	BUNDI	KESHORAIPATAN	S-NPP	25.37758	75.88922	13:34:12	D	11.30

31	BUNDI	KESHORAIPATAN	S-NPP	25.38135	75.87289	13:34:12	D	7.00
32	BUNDI	KESHORAIPATAN	S-NPP	25.38467	75.87230	13:34:12	D	6.10
33	BUNDI	KESHORAIPATAN	S-NPP	25.40609	75.83311	13:34:12	D	1.90
34	BUNDI	KESHORAIPATAN	S-NPP	25.47110	76.06528	13:34:12	D	6.30
35	BUNDI	KESHORAIPATAN	S-NPP	25.48667	76.07828	13:34:12	D	8.20
36	CHITTAURGARH	NIMBAHERA	S-NPP	24.69033	74.68097	02:24:12	N	0.90
37	GANGANAGAR	ANAPGARH	S-NPP	29.16251	73.29438	13:34:12	D	4.40
38	GANGANAGAR	GANGANAGAR	S-NPP	29.99339	73.88165	13:34:12	D	2.60
39	GANGANAGAR	GANGANAGAR	S-NPP	30.17259	73.96429	13:34:12	D	3.50
40	GANGANAGAR	KARANPUR	S-NPP	29.92039	73.45762	13:34:12	D	4.30
41	GANGANAGAR	KARANPUR	S-NPP	29.97760	73.49516	13:34:12	D	4.40
42	GANGANAGAR	VIJAY NAGAR	AQUA	29.17300	73.49800	13:51:33	D	50.90
43	GANGANAGAR	VIJAY NAGAR	AQUA	29.18000	73.48900	13:51:33	D	52.70
44	HANUMANGARH	HANUMANGARH	S-NPP	29.36497	74.35151	13:34:12	D	1.90
45	HANUMANGARH	HANUMANGARH	S-NPP	29.41770	74.39057	13:34:12	D	1.60
46	HANUMANGARH	HANUMANGARH	S-NPP	29.46486	74.40969	13:34:12	D	1.30
47	HANUMANGARH	HANUMANGARH	S-NPP	29.52977	74.23450	13:34:12	D	2.30
48	HANUMANGARH	HANUMANGARH	S-NPP	29.53368	74.23779	13:34:12	D	3.10
49	HANUMANGARH	HANUMANGARH	S-NPP	29.53698	74.23714	13:34:12	D	9.20
50	HANUMANGARH	HANUMANGARH	S-NPP	29.54236	74.36216	13:34:12	D	5.80
51	HANUMANGARH	HANUMANGARH	S-NPP	29.56041	74.30163	13:34:12	D	1.50
52	HANUMANGARH	HANUMANGARH	S-NPP	29.57544	74.31084	13:34:12	D	1.70
53	HANUMANGARH	HANUMANGARH	S-NPP	29.60373	74.34605	13:34:12	D	6.80
54	HANUMANGARH	PILIBANGA	S-NPP	29.42793	74.01488	13:34:12	D	40.80
55	HANUMANGARH	PILIBANGA	S-NPP	29.56782	74.04382	13:34:12	D	6.80
56	HANUMANGARH	SANGHRIYA	S-NPP	29.63129	74.43832	13:34:12	D	3.30
57	HANUMANGARH	SANGHRIYA	S-NPP	29.63459	74.43767	13:34:12	D	3.10
58	HANUMANGARH	SANGHRIYA	S-NPP	29.72137	74.42896	13:34:12	D	4.50
59	HANUMANGARH	SANGHRIYA	S-NPP	29.72652	74.39532	13:34:12	D	5.20
60	HANUMANGARH	TIBI	S-NPP	29.49470	74.56244	13:34:12	D	2.10
61	HANUMANGARH	TIBI	S-NPP	29.50310	74.50821	13:34:12	D	1.70
62	HANUMANGARH	TIBI	S-NPP	29.53253	74.52278	13:34:12	D	13.00
63	HANUMANGARH	TIBI	S-NPP	29.53948	74.50106	13:34:12	D	8.90



64	HANUMANGARH	TIBI	S-NPP	29.54245	74.52084	13:34:12	D	9.20
65	HANUMANGARH	TIBI	S-NPP	29.54279	74.50041	13:34:12	D	10.00
66	HANUMANGARH	TIBI	S-NPP	29.60781	74.46332	13:34:12	D	4.00
67	HANUMANGARH	TIBI	S-NPP	29.61111	74.46267	13:34:12	D	2.80
68	HANUMANGARH	TIBI	S-NPP	29.65751	74.56765	13:34:12	D	8.20
69	HANUMANGARH	TIBI	S-NPP	29.73606	74.45867	13:34:12	D	7.80
70	KOTA	DIGOD	S-NPP	25.14098	76.16653	13:34:12	D	2.40
71	KOTA	DIGOD	S-NPP	25.22087	76.06597	13:34:12	D	5.80
72	KOTA	LADPURA	S-NPP	25.07351	75.98621	13:34:12	D	1.90
73	KOTA	LADPURA	S-NPP	25.08014	75.98503	13:34:12	D	11.70
74	KOTA	LADPURA	S-NPP	25.21436	75.92978	13:34:12	D	16.90
75	KOTA	PIPALDA	S-NPP	25.45155	76.50897	13:34:12	D	4.00
76	KOTA	PIPALDA	S-NPP	25.46220	76.53509	13:34:12	D	2.60
77	KOTA	PIPALDA	S-NPP	25.47514	76.51705	13:34:12	D	3.10
78	KOTA	PIPALDA	S-NPP	25.47570	76.52095	13:34:12	D	3.10
79	SWAIMADHOPUR	KHANDAR	S-NPP	25.89022	76.52971	13:34:12	D	12.70
80	SWAIMADHOPUR	KHANDAR	S-NPP	25.90260	76.56792	13:34:12	D	3.90

### Details of residue burning events in Madhya Pradesh on 02-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.37818	77.73145	13:34:12	D	2.60
2	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.55765	77.89565	13:34:12	D	2.70
3	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.57668	77.82916	13:34:12	D	6.10
4	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.64913	77.82713	13:34:12	D	2.20
5	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.66294	77.52863	13:34:12	D	4.70
6	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.69808	77.60574	13:34:12	D	2.40
7	ASHOKNAGAR	CHANDERI	S-NPP	24.62712	77.89845	13:34:12	D	4.10
8	ASHOKNAGAR	ISAGARH	S-NPP	24.70793	77.77994	13:34:12	D	2.00
9	ASHOKNAGAR	ISAGARH	S-NPP	24.79539	77.73243	13:34:12	D	3.30
10	ASHOKNAGAR	MUNGAOLI	S-NPP	24.32995	77.91064	13:34:12	D	2.90
11	ASHOKNAGAR	MUNGAOLI	S-NPP	24.33841	77.99804	13:34:12	D	11.70
12	ASHOKNAGAR	MUNGAOLI	S-NPP	24.34368	77.95909	13:34:12	D	2.40
13	ASHOKNAGAR	MUNGAOLI	S-NPP	24.35605	78.12729	13:34:12	D	3.90
14	ASHOKNAGAR	MUNGAOLI	S-NPP	24.47652	77.93374	13:34:12	D	1.90
15	ASHOKNAGAR	MUNGAOLI	S-NPP	24.47998	77.93319	13:34:12	D	5.90
16	ASHOKNAGAR	MUNGAOLI	S-NPP	24.54145	78.14168	13:34:12	D	3.40
17	BHIND	GOHAD	S-NPP	26.39419	78.37062	13:34:12	D	4.90
18	BHIND	GOHAD	S-NPP	26.49214	78.24078	13:34:12	D	8.40
19	BHIND	LAHAR	S-NPP	26.01187	78.80518	13:34:12	D	8.40
20	BHIND	LAHAR	S-NPP	26.03984	78.79129	13:34:12	D	7.60
21	BHIND	MAJHGAWAN	S-NPP	26.24235	78.86984	13:34:12	D	4.70
22	BHOPAL	HUZUR	S-NPP	23.42288	77.37697	13:34:12	D	1.10
23	CHHINDWARA	AMARWARA	S-NPP	22.22821	79.36700	13:34:12	D	3.40
24	DAMOH	TENDUKHERA	S-NPP	23.29687	79.34254	13:34:12	D	7.60
25	DAMOH	TENDUKHERA	S-NPP	23.32770	79.35182	13:34:12	D	3.40
26	DATIA	DATIA	S-NPP	25.58490	78.59731	13:34:12	D	3.20
27	DATIA	DATIA	S-NPP	25.59545	78.34441	13:34:12	D	1.60
28	DATIA	DATIA	S-NPP	25.73902	78.49355	13:34:12	D	4.00
29	DATIA	DATIA	S-NPP	25.75807	78.65128	13:34:12	D	8.40

30	DATIA	DATIA	S-NPP	25.78067	78.53308	13:34:12	D	2.40
31	DATIA	SEONDHA	S-NPP	25.79633	78.48452	13:34:12	D	8.40
32	DATIA	SEONDHA	S-NPP	25.81844	78.45805	13:34:12	D	1.90
33	DATIA	SEONDHA	S-NPP	25.83749	78.54729	13:34:12	D	6.20
34	DATIA	SEONDHA	S-NPP	25.86576	78.50234	13:34:12	D	7.50
35	DATIA	SEONDHA	S-NPP	25.88020	78.47238	13:34:12	D	8.80
36	DATIA	SEONDHA	S-NPP	25.88585	78.57336	13:34:12	D	2.70
37	DATIA	SEONDHA	S-NPP	25.91642	78.58252	13:34:12	D	3.60
38	DATIA	SEONDHA	S-NPP	25.93182	78.70203	13:34:12	D	4.80
39	DATIA	SEONDHA	S-NPP	25.93852	78.66801	13:34:12	D	3.20
40	DATIA	SEONDHA	S-NPP	26.00455	78.65925	13:34:12	D	2.80
41	DHAR	DHARMPURI	S-NPP	22.17303	75.42643	13:34:12	D	0.90
42	GUNA	ARON	S-NPP	24.35778	77.45836	13:34:12	D	3.20
43	GUNA	ARON	S-NPP	24.36063	77.45379	13:34:12	D	3.20
44	GUNA	GUNA	S-NPP	24.60451	77.43090	13:34:12	D	3.60
45	GUNA	GUNA	S-NPP	24.60792	77.43034	13:34:12	D	3.60
46	GUNA	GUNA	S-NPP	24.60848	77.43436	13:34:12	D	3.60
47	GUNA	GUNA	S-NPP	24.65582	77.42666	13:34:12	D	8.20
48	GUNA	GUNA	S-NPP	24.72232	77.22768	13:34:12	D	2.90
49	GUNA	GUNA	S-NPP	24.72733	77.46420	13:34:12	D	2.00
50	GUNA	GUNA	S-NPP	24.73075	77.46363	13:34:12	D	3.50
51	GUNA	GUNA	S-NPP	24.73672	77.03506	13:34:12	D	1.80
52	GUNA	GUNA	S-NPP	24.74324	77.52773	13:34:12	D	4.70
53	GUNA	GUNA	S-NPP	24.75353	77.10484	13:34:12	D	2.00
54	GUNA	GUNA	S-NPP	24.81308	77.50410	13:34:12	D	4.20
55	GUNA	GUNA	S-NPP	24.87209	77.30460	13:34:12	D	1.30
56	GUNA	GUNA	S-NPP	24.87347	76.99554	13:34:12	D	1.80
57	GUNA	GUNA	S-NPP	24.96558	77.19991	13:34:12	D	5.00
58	GUNA	GUNA	S-NPP	24.99944	77.31750	13:34:12	D	2.40
59	GUNA	GUNA	S-NPP	25.03551	77.00532	13:34:12	D	5.00
60	GWALIOR	BHITARWAR	S-NPP	25.74658	78.21542	13:34:12	D	2.50
61	GWALIOR	BHITARWAR	S-NPP	25.76073	78.21314	13:34:12	D	4.00
62	GWALIOR	BHITARWAR	S-NPP	25.84875	78.03931	13:34:12	D	2.00

63	GWALIOR	BHITARWAR	S-NPP	25.85227	78.03873	13:34:12	D	2.90
64	GWALIOR	BHITARWAR	S-NPP	25.91681	78.17103	13:34:12	D	2.10
65	GWALIOR	BHITARWAR	S-NPP	25.92022	78.11783	13:34:12	D	7.70
66	GWALIOR	BHITARWAR	S-NPP	25.92947	78.16113	13:34:12	D	5.00
67	GWALIOR	BHITARWAR	S-NPP	25.93301	78.16056	13:34:12	D	32.60
68	GWALIOR	BHITARWAR	S-NPP	25.93358	78.16496	13:34:12	D	22.90
69	GWALIOR	BHITARWAR	S-NPP	25.94189	78.14566	13:34:12	D	2.60
70	GWALIOR	BHITARWAR	S-NPP	25.99892	78.24912	13:34:12	D	2.70
71	GWALIOR	DABRA	S-NPP	25.89732	78.21458	13:34:12	D	3.80
72	GWALIOR	DABRA	S-NPP	25.90264	78.20023	13:34:12	D	6.00
73	GWALIOR	DABRA	S-NPP	25.91647	78.17221	13:34:12	D	3.20
74	GWALIOR	DABRA	S-NPP	25.93419	78.30946	13:34:12	D	2.30
75	GWALIOR	GWALIOR	S-NPP	26.22188	78.39069	13:34:12	D	2.90
76	HARDA	TIMURNI	S-NPP	22.34808	77.30688	13:34:12	D	2.40
77	HOSHANGABAD	BABAI	S-NPP	22.65845	77.97675	13:34:12	D	3.80
78	HOSHANGABAD	BABAI	S-NPP	22.67829	77.99387	13:34:12	D	11.10
79	HOSHANGABAD	BABAI	S-NPP	22.73767	77.91920	13:34:12	D	2.20
80	HOSHANGABAD	BABAI	S-NPP	22.77428	77.88501	13:34:12	D	2.80
81	HOSHANGABAD	BABAI	S-NPP	22.80051	77.84834	13:34:12	D	9.10
82	HOSHANGABAD	HOSHANGABAD	S-NPP	22.58818	77.65324	13:34:12	D	5.30
83	HOSHANGABAD	HOSHANGABAD	S-NPP	22.59331	77.61658	13:34:12	D	7.50
84	HOSHANGABAD	HOSHANGABAD	S-NPP	22.59885	77.67941	13:34:12	D	6.70
85	HOSHANGABAD	HOSHANGABAD	S-NPP	22.60513	77.62658	13:34:12	D	2.20
86	HOSHANGABAD	HOSHANGABAD	S-NPP	22.60563	77.62347	13:34:12	D	1.70
87	HOSHANGABAD	HOSHANGABAD	S-NPP	22.62654	77.60014	13:34:12	D	4.60
88	HOSHANGABAD	HOSHANGABAD	S-NPP	22.62959	77.69530	13:34:12	D	2.20
89	HOSHANGABAD	HOSHANGABAD	S-NPP	22.63858	77.51481	13:34:12	D	3.50
90	HOSHANGABAD	HOSHANGABAD	S-NPP	22.67717	77.61567	13:34:12	D	5.60
91	HOSHANGABAD	ITARSI	S-NPP	22.50537	77.65488	13:34:12	D	2.00
92	HOSHANGABAD	ITARSI	S-NPP	22.52228	77.65213	13:34:12	D	5.10
93	HOSHANGABAD	ITARSI	S-NPP	22.52283	77.65601	13:34:12	D	4.80
94	HOSHANGABAD	ITARSI	S-NPP	22.52621	77.65546	13:34:12	D	4.80
95	HOSHANGABAD	ITARSI	S-NPP	22.52998	77.70663	13:34:12	D	3.90

96	HOSHANGABAD	ITARSI	S-NPP	22.55914	77.76583	13:34:12	D	2.70
97	HOSHANGABAD	ITARSI	S-NPP	22.60648	77.83039	13:34:12	D	4.40
98	HOSHANGABAD	ITARSI	S-NPP	22.62975	77.79845	13:34:12	D	1.50
99	HOSHANGABAD	ITARSI	S-NPP	22.62976	77.79544	13:34:12	D	1.40
100	HOSHANGABAD	ITARSI	S-NPP	22.65701	77.76689	13:34:12	D	4.60
101	HOSHANGABAD	ITARSI	S-NPP	22.65930	77.75850	13:34:12	D	2.90
102	HOSHANGABAD	PIPARIYA	S-NPP	22.85035	78.33382	13:34:12	D	2.60
103	HOSHANGABAD	SEONI MALWA	S-NPP	22.35340	77.45092	13:34:12	D	7.90
104	HOSHANGABAD	SEONI MALWA	S-NPP	22.36570	77.46460	13:34:12	D	3.70
105	HOSHANGABAD	SEONI MALWA	S-NPP	22.45053	77.54115	13:34:12	D	2.70
106	HOSHANGABAD	SEONI MALWA	S-NPP	22.51293	77.58615	13:34:12	D	3.70
107	HOSHANGABAD	SEONI MALWA	S-NPP	22.53545	77.57451	13:34:12	D	3.20
108	HOSHANGABAD	SEONI MALWA	S-NPP	22.53567	77.47958	13:34:12	D	2.20
109	HOSHANGABAD	SEONI MALWA	S-NPP	22.54386	77.58502	13:34:12	D	2.40
110	HOSHANGABAD	SEONI MALWA	S-NPP	22.57947	77.39043	13:34:12	D	2.30
111	HOSHANGABAD	SEONI MALWA	S-NPP	22.61373	77.55856	13:34:12	D	1.40
112	HOSHANGABAD	SEONI MALWA	S-NPP	22.63459	77.53528	13:34:12	D	2.60
113	JABALPUR	JABALPUR	S-NPP	23.17840	79.83161	13:34:12	D	7.30
114	JABALPUR	JABALPUR	S-NPP	23.18212	79.83107	13:34:12	D	3.80
115	JABALPUR	MAJHOULI	S-NPP	23.42380	79.98141	13:34:12	D	3.30
116	JABALPUR	MAJHOULI	S-NPP	23.42880	79.99065	13:34:12	D	6.80
117	JABALPUR	MAJHOULI	S-NPP	23.49746	79.95826	13:34:12	D	4.00
118	JABALPUR	MAJHOULI	S-NPP	23.50759	79.88728	13:34:12	D	3.90
119	JABALPUR	MAJHOULI	S-NPP	23.51324	80.17791	13:34:12	D	4.80
120	JABALPUR	PATAN	S-NPP	23.23143	79.61373	13:34:12	D	2.60
121	JABALPUR	PATAN	S-NPP	23.30185	79.78097	13:34:12	D	3.80
122	JABALPUR	PATAN	S-NPP	23.32904	79.75756	13:34:12	D	3.00
123	JABALPUR	SAHPURA	S-NPP	23.02508	79.62257	13:34:12	D	5.70
124	JABALPUR	SAHPURA	S-NPP	23.11421	79.80233	13:34:12	D	2.70
125	JABALPUR	SAHPURA	S-NPP	23.11642	79.80504	13:34:12	D	4.40
126	JABALPUR	SAHPURA	S-NPP	23.18713	79.78185	13:34:12	D	26.70
127	JABALPUR	SAHPURA	S-NPP	23.19083	79.78130	13:34:12	D	6.80
128	JABALPUR	SIHORA	S-NPP	23.46214	80.22343	13:34:12	D	4.30

129	KATNI	BAHURIBAND	S-NPP	23.62392	80.26730	13:34:12	D	1.40
130	KATNI	BAHURIBAND	S-NPP	23.70871	79.93076	13:34:12	D	7.20
131	KATNI	BAHURIBAND	S-NPP	23.71549	79.98502	13:34:12	D	3.10
132	KATNI	BAHURIBAND	S-NPP	23.72065	80.18307	13:34:12	D	2.90
133	KATNI	DHIMERKHEDA	S-NPP	23.38680	80.35555	13:34:12	D	4.10
134	KATNI	DHIMERKHEDA	S-NPP	23.48386	80.42786	13:34:12	D	3.40
135	KATNI	DHIMERKHEDA	S-NPP	23.49607	80.43138	13:34:12	D	6.60
136	KATNI	DHIMERKHEDA	S-NPP	23.53532	80.23118	13:34:12	D	4.00
137	KATNI	RITHI	S-NPP	23.90263	80.03601	13:34:12	D	3.50
138	MANDLA	NAINPUR	S-NPP	22.42955	80.15681	13:34:12	D	3.20
139	MANDLA	NAINPUR	S-NPP	22.53392	80.07077	13:34:12	D	4.50
140	MORENA	JORA	S-NPP	26.40639	77.83099	13:34:12	D	4.90
141	MORENA	JORA	S-NPP	26.40683	77.83456	13:34:12	D	42.20
142	MORENA	JORA	S-NPP	26.40695	77.83531	13:34:12	D	37.10
143	MORENA	JORA	S-NPP	26.45220	77.96150	13:34:12	D	5.60
144	MORENA	KAILARAS	S-NPP	26.25574	77.62209	13:34:12	D	3.00
145	MORENA	SABALGARH	S-NPP	26.22121	77.31935	13:34:12	D	8.10
146	MORENA	SABALGARH	S-NPP	26.24950	77.35343	13:34:12	D	3.80
147	NARSHIMAPURA	GADARWARA	S-NPP	22.84185	78.79904	13:34:12	D	7.60
148	NARSHIMAPURA	GADARWARA	S-NPP	22.88110	78.61244	13:34:12	D	1.70
149	NARSHIMAPURA	GADARWARA	S-NPP	22.89330	78.62337	13:34:12	D	4.00
150	NARSHIMAPURA	GADARWARA	S-NPP	22.95358	78.83026	13:34:12	D	2.00
151	NARSHIMAPURA	GOTECAON	S-NPP	22.87167	79.55225	13:34:12	D	4.60
152	NARSHIMAPURA	GOTECAON	S-NPP	22.87182	79.55466	13:34:12	D	5.50
153	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.81249	79.38543	13:34:12	D	2.90
154	NIMACH	JAWAD	S-NPP	24.62902	74.99570	13:34:12	D	3.70
155	RAISEN	BAGAMGANJ	S-NPP	23.58671	78.43703	13:34:12	D	1.40
156	RAISEN	BARELI	S-NPP	22.92475	78.24308	13:34:12	D	2.00
157	RAISEN	GOHARGANJ	S-NPP	22.99557	77.60289	13:34:12	D	2.80
158	RAISEN	GOHARGANJ	S-NPP	22.99613	77.60681	13:34:12	D	2.80
159	RAISEN	GOHARGANJ	S-NPP	23.00580	77.55318	13:34:12	D	4.70
160	RAISEN	GOHARGANJ	S-NPP	23.00695	77.53703	13:34:12	D	4.10
161	RAISEN	GOHARGANJ	S-NPP	23.00919	77.55263	13:34:12	D	6.00

162	RAISEN	GOHARGANJ	S-NPP	23.01989	77.55486	13:34:12	D	5.50
163	RAISEN	GOHARGANJ	S-NPP	23.02943	77.49361	13:34:12	D	6.80
164	RAISEN	GOHARGANJ	S-NPP	23.03949	77.51588	13:34:12	D	4.10
165	RAISEN	GOHARGANJ	S-NPP	23.03956	77.49193	13:34:12	D	10.90
166	RAISEN	GOHARGANJ	S-NPP	23.04452	77.52704	13:34:12	D	1.90
167	RAISEN	GOHARGANJ	S-NPP	23.05080	77.49805	13:34:12	D	4.40
168	RAISEN	GOHARGANJ	S-NPP	23.05705	77.66531	13:34:12	D	8.50
169	RAISEN	GOHARGANJ	S-NPP	23.05811	77.50082	13:34:12	D	3.80
170	RAISEN	GOHARGANJ	S-NPP	23.06265	77.48412	13:34:12	D	4.40
171	RAISEN	GOHARGANJ	S-NPP	23.06602	77.48356	13:34:12	D	9.10
172	RAISEN	GOHARGANJ	S-NPP	23.19116	77.68028	13:34:12	D	4.70
173	RAISEN	RAISEN	S-NPP	23.23062	77.76292	13:34:12	D	3.20
174	RAISEN	RAISEN	S-NPP	23.37410	77.71951	13:34:12	D	2.70
175	RAISEN	RAISEN	S-NPP	23.37441	77.71942	13:34:12	D	1.80
176	RAISEN	RAISEN	S-NPP	23.48163	77.66862	02:24:12	N	0.60
177	RAISEN	RAISEN	S-NPP	23.48573	77.66956	02:24:12	N	0.60
178	RAISEN	RAISEN	S-NPP	23.48752	77.75835	13:34:12	D	3.80
179	RAISEN	RAISEN	S-NPP	23.48808	77.76234	13:34:12	D	3.80
180	RAISEN	RAISEN	S-NPP	23.48814	77.76194	13:34:12	D	7.10
181	RAISEN	RAISEN	S-NPP	23.49176	77.68829	13:34:12	D	10.80
182	RAISEN	RAISEN	S-NPP	23.51601	77.73733	13:34:12	D	3.90
183	RAISEN	RAISEN	S-NPP	23.51831	77.72878	13:34:12	D	3.50
184	RAISEN	RAISEN	S-NPP	23.51942	77.73676	13:34:12	D	3.10
185	REWA	SIRMAUR	S-NPP	24.72673	81.27609	13:34:12	D	2.10
186	REWA	SIRMAUR	S-NPP	24.74602	81.33507	13:34:12	D	3.70
187	SAGAR	BANDA	S-NPP	24.36856	78.99969	13:34:12	D	2.20
188	SAGAR	DEVRI	S-NPP	23.53902	78.96173	13:34:12	D	2.80
189	SAGAR	REHLI	S-NPP	23.65970	79.04936	13:34:12	D	2.10
190	SAGAR	SAGAR	S-NPP	23.63204	78.75248	13:34:12	D	2.20
191	SAGAR	SAGAR	S-NPP	23.64498	78.89652	13:34:12	D	2.40
192	SAGAR	SAGAR	S-NPP	23.64734	78.89731	13:34:12	D	5.00
193	SAGAR	SAGAR	S-NPP	23.66630	78.54980	13:34:12	D	3.10
194	SAGAR	SAGAR	S-NPP	23.77359	78.52129	13:34:12	D	3.30



195	SATNA	AMARPATAN	S-NPP	24.31763	81.08235	13:34:12	D	1.70
196	SATNA	MAIHAR	S-NPP	24.26014	80.83865	13:34:12	D	2.80
197	SATNA	MAJHG>WAN	S-NPP	24.89553	81.06261	13:34:12	D	1.80
198	SATNA	MAJHG>WAN	S-NPP	24.91531	80.67133	13:34:12	D	6.00
199	SATNA	NAGOD	S-NPP	24.61794	80.65003	13:34:12	D	3.70
200	SATNA	NAGOD	S-NPP	24.62586	80.64895	13:34:12	D	7.50
201	SATNA	NAGOD	S-NPP	24.64581	80.51207	13:34:12	D	3.70
202	SATNA	RAGURAJNAGAR	AQUA	24.67900	80.67700	13:51:33	D	10.40
203	SATNA	RAGURAJNAGAR	S-NPP	24.56766	80.89294	13:34:12	D	3.10
204	SATNA	RAGURAJNAGAR	S-NPP	24.70848	80.93908	13:34:12	D	2.20
205	SATNA	RAGURAJNAGAR	S-NPP	24.73176	80.72475	13:34:12	D	2.10
206	SATNA	RAGURAJNAGAR	S-NPP	24.73357	80.72235	13:34:12	D	2.30
207	SATNA	RAMPURBAGHLEAN	S-NPP	24.48786	81.02338	13:34:12	D	3.90
208	SATNA	RAMPURBAGHLEAN	S-NPP	24.56404	80.93221	13:34:12	D	3.00
209	SATNA	RAMPURBAGHLEAN	S-NPP	24.56806	80.93166	13:34:12	D	3.00
210	SATNA	RAMPURBAGHLEAN	S-NPP	24.58674	81.09390	13:34:12	D	5.30
211	SATNA	RAMPURBAGHLEAN	S-NPP	24.59895	81.05664	13:34:12	D	5.20
212	SATNA	UCHAHAR	S-NPP	24.46773	80.78232	13:34:12	D	5.50
213	SEHORE	BUDHNI	S-NPP	22.66948	77.51365	13:34:12	D	2.30
214	SEHORE	BUDHNI	S-NPP	22.70964	77.47524	13:34:12	D	2.70
215	SEHORE	BUDHNI	S-NPP	22.73329	77.44758	13:34:12	D	3.40
216	SEHORE	BUDHNI	S-NPP	22.78378	77.92813	13:34:12	D	3.40
217	SEHORE	BUDHNI	S-NPP	22.79227	77.93895	13:34:12	D	5.70
218	SEHORE	BUDHNI	S-NPP	22.81093	77.42676	13:34:12	D	4.30
219	SEHORE	BUDHNI	S-NPP	22.81148	77.43063	13:34:12	D	4.30
220	SEHORE	BUDHNI	S-NPP	22.81429	77.42619	13:34:12	D	3.30
221	SEHORE	BUDHNI	S-NPP	22.81484	77.43006	13:34:12	D	3.30
222	SEHORE	NASRULLAHGANJ	S-NPP	22.66294	77.37260	13:34:12	D	2.20
223	SEHORE	NASRULLAHGANJ	S-NPP	22.75813	77.33297	13:34:12	D	3.60
224	SEHORE	NASRULLAHGANJ	S-NPP	22.76202	77.35988	13:34:12	D	2.80
225	SEONI	GHANSAUR	S-NPP	22.39414	79.84772	13:34:12	D	5.40
226	SEONI	GHANSAUR	S-NPP	22.59821	79.94106	13:34:12	D	2.90
227	SEONI	KEWLARI	S-NPP	22.27993	79.91074	13:34:12	D	8.00

228	SEONI	KEWLARI	S-NPP	22.32811	79.78985	13:34:12	D	3.40
229	SEONI	KEWLARI	S-NPP	22.34080	79.94483	13:34:12	D	1.30
230	SEONI	KEWLARI	S-NPP	22.36769	79.72883	13:34:12	D	2.80
231	SEONI	KEWLARI	S-NPP	22.39494	79.79551	13:34:12	D	4.70
232	SEONI	KEWLARI	S-NPP	22.53721	80.00694	13:34:12	D	5.70
233	SEONI	KURAI	S-NPP	21.89753	79.39198	13:34:12	D	3.70
234	SEONI	LAKHNADOU	S-NPP	22.36236	79.54381	13:34:12	D	2.40
235	SEONI	LAKHNADOU	S-NPP	22.81615	79.61178	13:34:12	D	5.40
236	SEONI	LAKHNADOU	S-NPP	22.81675	79.61641	13:34:12	D	5.40
237	SEONI	SEONI	S-NPP	22.00016	79.55658	13:34:12	D	2.50
238	SEONI	SEONI	S-NPP	22.01548	79.46943	13:34:12	D	5.10
239	SEONI	SEONI	S-NPP	22.04352	79.51506	13:34:12	D	16.20
240	SEONI	SEONI	S-NPP	22.11527	79.49606	13:34:12	D	2.90
241	SEONI	SEONI	S-NPP	22.24057	79.74500	13:34:12	D	6.20
242	SEONI	SEONI	S-NPP	22.26360	79.72433	13:34:12	D	6.00
243	SEONI	SEONI	S-NPP	22.28589	79.58161	13:34:12	D	4.00
244	SEONI	SEONI	S-NPP	22.28884	79.83349	13:34:12	D	9.00
245	SEONI	SEONI	S-NPP	22.30136	79.72806	13:34:12	D	4.30
246	SEONI	SEONI	S-NPP	22.30196	79.73266	13:34:12	D	4.30
247	SEONI	SEONI	S-NPP	22.30561	79.73209	13:34:12	D	4.30
248	SHEOPUR	KARAHAL	AQUA	25.47400	76.75800	13:51:33	D	37.30
249	SHEOPUR	KARAHAL	AQUA	25.48800	76.75500	13:51:33	D	98.40
250	SHEOPUR	KARAHAL	AQUA	25.49100	76.75000	13:51:33	D	73.50
251	SHEOPUR	KARAHAL	S-NPP	25.46298	76.75588	13:34:12	D	7.20
252	SHEOPUR	KARAHAL	S-NPP	25.46691	76.75925	13:34:12	D	4.10
253	SHEOPUR	KARAHAL	S-NPP	25.47252	76.75021	13:34:12	D	6.90
254	SHEOPUR	KARAHAL	S-NPP	25.47308	76.75415	13:34:12	D	6.90
255	SHEOPUR	KARAHAL	S-NPP	25.47532	76.74569	13:34:12	D	7.20
256	SHEOPUR	KARAHAL	S-NPP	25.48768	76.78394	13:34:12	D	29.40
257	SHEOPUR	KARAHAL	S-NPP	25.48823	76.76365	13:34:12	D	17.00
258	SHEOPUR	KARAHAL	S-NPP	25.49047	76.75519	13:34:12	D	10.10
259	SHEOPUR	KARAHAL	S-NPP	25.49103	76.75912	13:34:12	D	10.10
260	SHEOPUR	KARAHAL	S-NPP	25.49159	76.76307	13:34:12	D	17.00

261	SHEOPUR	KARAHAL	S-NPP	25.49327	76.75066	13:34:12	D	12.30
262	SHEOPUR	KARAHAL	S-NPP	25.49383	76.75461	13:34:12	D	33.00
263	SHEOPUR	KARAHAL	S-NPP	25.49496	76.76249	13:34:12	D	8.30
264	SHEOPUR	KARAHAL	S-NPP	25.49776	76.75796	13:34:12	D	33.00
265	SHEOPUR	SHEOPUR	S-NPP	25.37332	76.69013	13:34:12	D	9.20
266	SHEOPUR	SHEOPUR	S-NPP	25.38453	76.69624	13:34:12	D	2.90
267	SHEOPUR	SHEOPUR	S-NPP	25.38509	76.70016	13:34:12	D	10.50
268	SHEOPUR	SHEOPUR	S-NPP	25.38789	76.69566	13:34:12	D	2.90
269	SHEOPUR	SHEOPUR	S-NPP	25.38845	76.69958	13:34:12	D	10.50
270	SHEOPUR	SHEOPUR	S-NPP	25.38904	76.69617	13:34:12	D	5.60
271	SHEOPUR	SHEOPUR	S-NPP	25.39522	76.66698	13:34:12	D	9.30
272	SHEOPUR	SHEOPUR	S-NPP	25.55403	76.75668	13:34:12	D	6.80
273	SHEOPUR	SHEOPUR	S-NPP	25.55904	76.67103	13:34:12	D	2.80
274	SHEOPUR	SHEOPUR	S-NPP	25.58476	76.63435	13:34:12	D	6.20
275	SHEOPUR	SHEOPUR	S-NPP	25.61274	76.60536	13:34:12	D	3.70
276	SHEOPUR	SHEOPUR	S-NPP	25.72116	76.65532	13:34:12	D	4.90
277	SHEOPUR	SHEOPUR	S-NPP	25.73460	76.70152	13:34:12	D	3.60
278	SHEOPUR	SHEOPUR	S-NPP	25.80647	76.74588	13:34:12	D	4.00
279	SHEOPUR	SHEOPUR	S-NPP	25.81364	76.65139	13:34:12	D	24.70
280	SHEOPUR	SHEOPUR	S-NPP	25.81413	76.64797	13:34:12	D	5.50
281	SHEOPUR	SHEOPUR	S-NPP	25.81468	76.65192	13:34:12	D	29.70
282	SHEOPUR	SHEOPUR	S-NPP	25.89827	76.68206	13:34:12	D	7.70
283	SHEOPUR	VIJAYPUR	S-NPP	25.98820	76.92019	13:34:12	D	2.60
284	SHEOPUR	VIJAYPUR	S-NPP	25.98991	76.90756	13:34:12	D	5.00
285	SHEOPUR	VIJAYPUR	S-NPP	26.03453	76.90407	13:34:12	D	2.30
286	SHIVPURI	KOLARAS	S-NPP	25.09614	77.70995	13:34:12	D	5.50
287	SHIVPURI	KOLARAS	S-NPP	25.09794	77.71014	13:34:12	D	4.20
288	SHIVPURI	KOLARAS	S-NPP	25.11280	77.85614	13:34:12	D	3.60
289	SHIVPURI	NARWAR	S-NPP	25.53216	78.14002	13:34:12	D	2.50
290	UMARIA	MANPUR	S-NPP	23.90120	80.87991	13:34:12	D	3.20
291	VIDESHA	BASODA	S-NPP	23.75539	77.95938	13:34:12	D	2.20
292	VIDESHA	KORWAI	S-NPP	24.18903	77.92481	13:34:12	D	1.70
293	VIDESHA	KORWAI	S-NPP	24.22964	78.01523	13:34:12	D	4.20

294	VIDESHA	NATERAN	S-NPP	23.92660	77.73728	13:34:12	D	3.60
295	VIDESHA	VIDESHA	S-NPP	23.54153	77.94697	13:34:12	D	4.80
296	WEST NIMAR	MAHESHWAR	S-NPP	22.19774	75.68740	13:34:12	D	4.10

## 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	Both
2.	<del>JPSS-1 (NOAA-20)</del>	<del>VIIRS</del>	<del>375</del>	<del>Both</del>
3.	<del>JPSS-2 (NOAA-21)</del>	<del>VIIRS</del>	<del>375</del>	<del>Both</del>
4.	Aqua	MODIS	1000	Both

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

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

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

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