

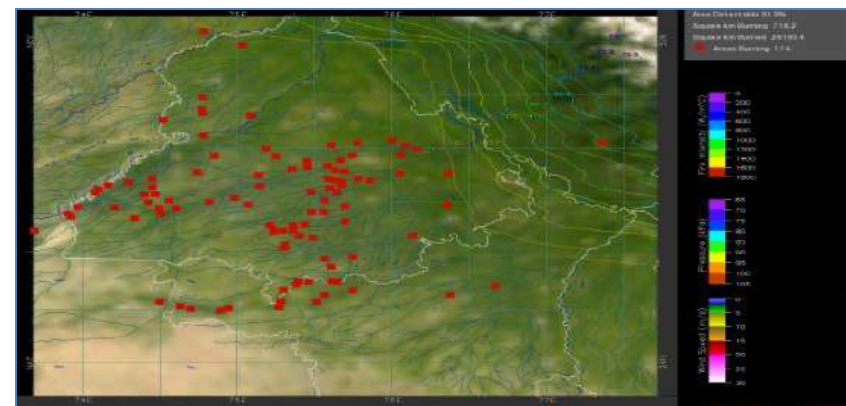
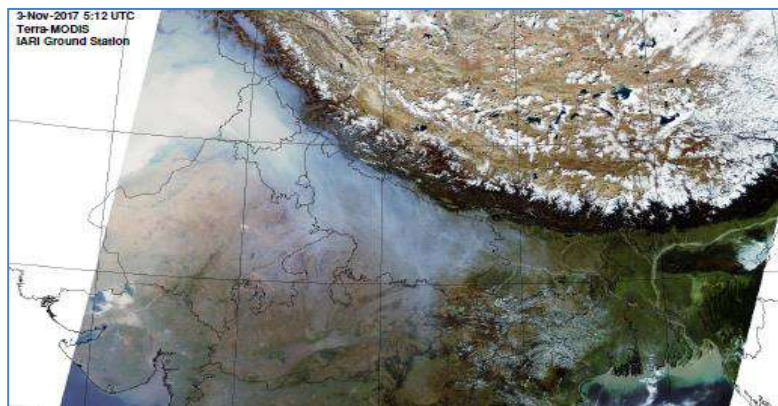


# MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2023

Bulletin  
No. 66

Events Date:  
19-Nov-2023

Issued on:  
19-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

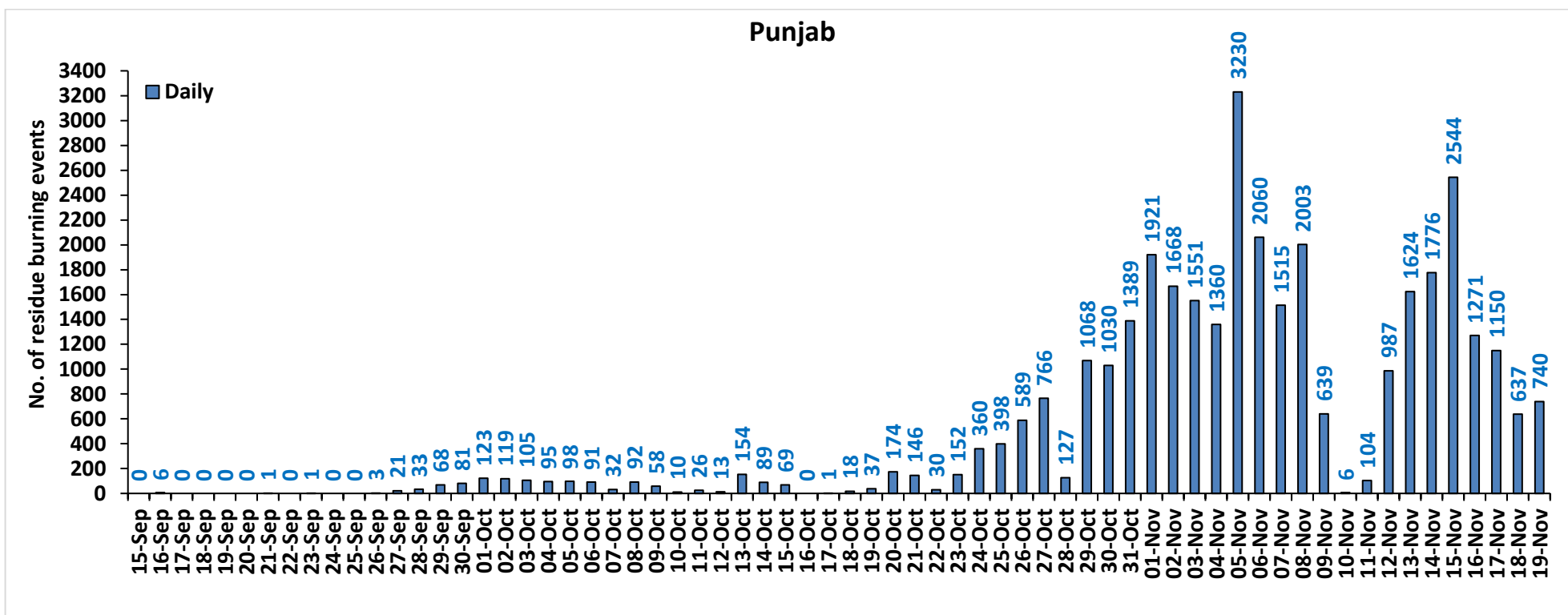
<http://creams.iari.res.in>



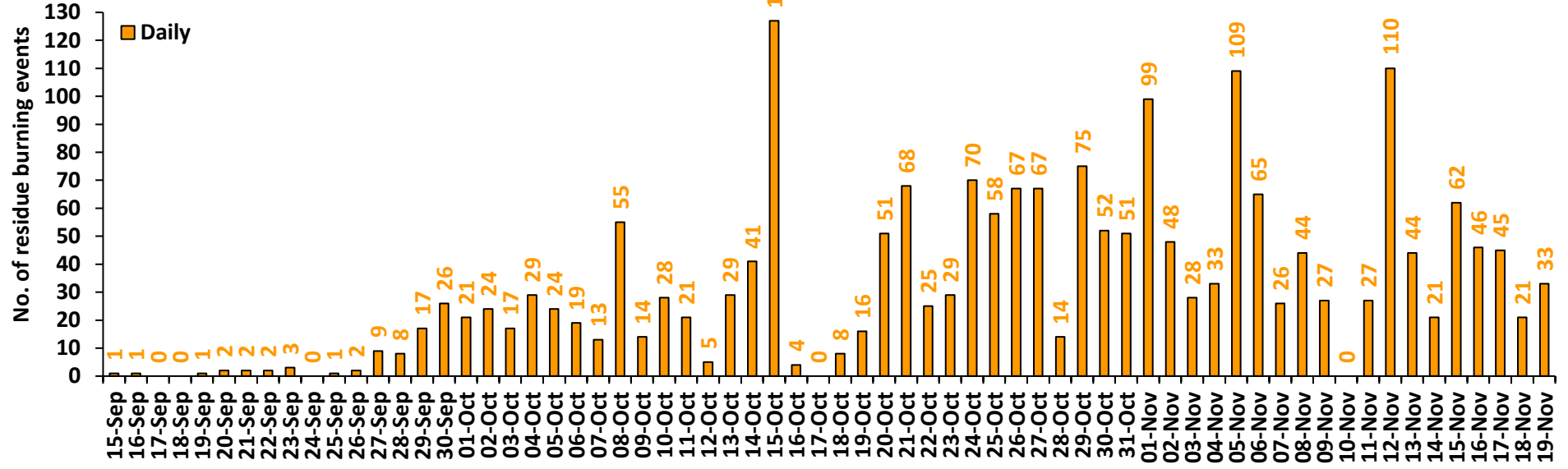
## Highlights for 19-Nov-2023

- 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 **1185** residue burning events in the six study States on 19-Nov-2023.
- The state wise events detected on 19-Nov-2023 were **740** in Punjab, **33** in Haryana, **188** in UP, **00** in Delhi, **37** in Rajasthan and **187** in MP.
- Total **51533** burning events were detected in the six states between 15-Sept-2023 and 19-Nov-2023, which are distributed as **34459**, **2085**, **2649**, **05**, **1584** and **10751** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

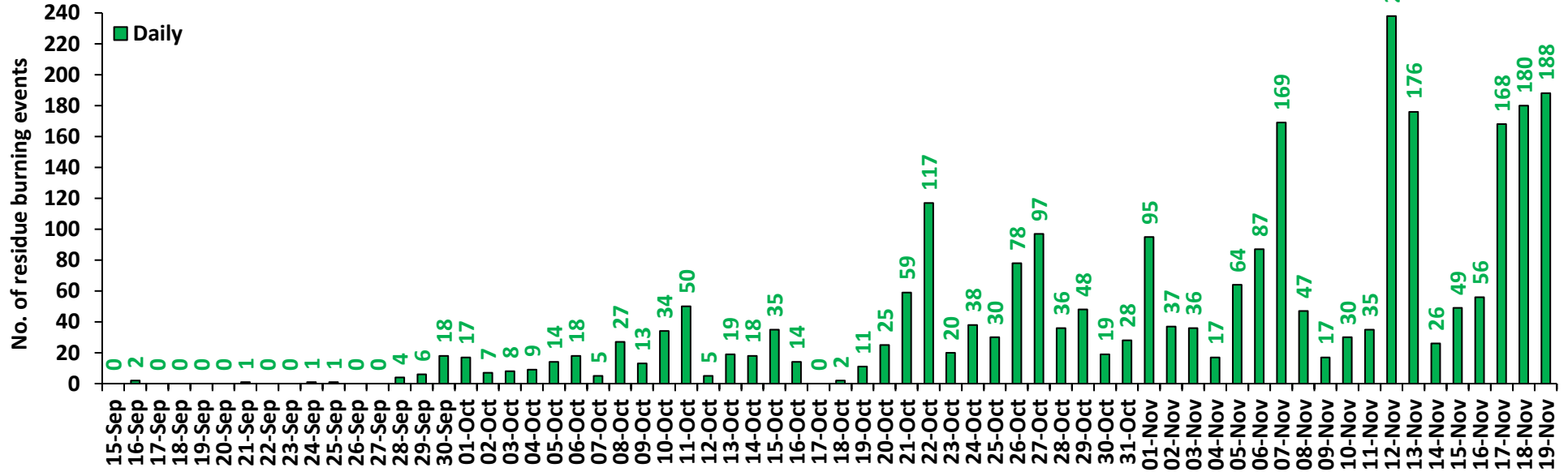
### Temporal distribution of rice residue burning events for the study States in 2023



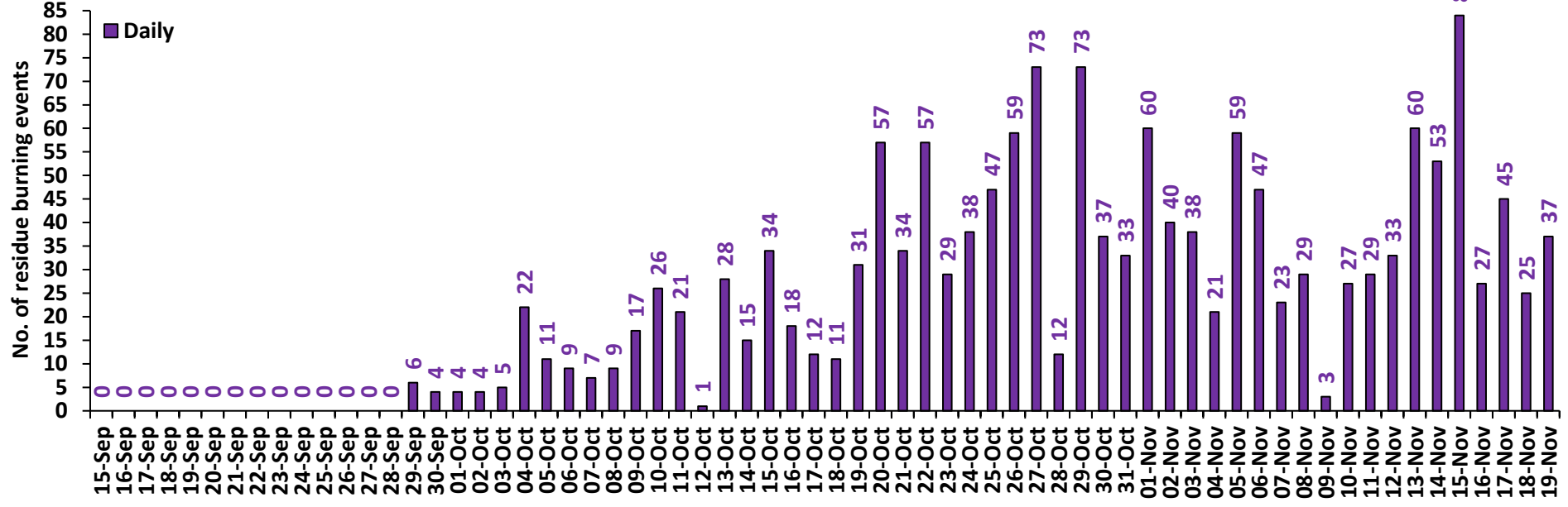
### Haryana



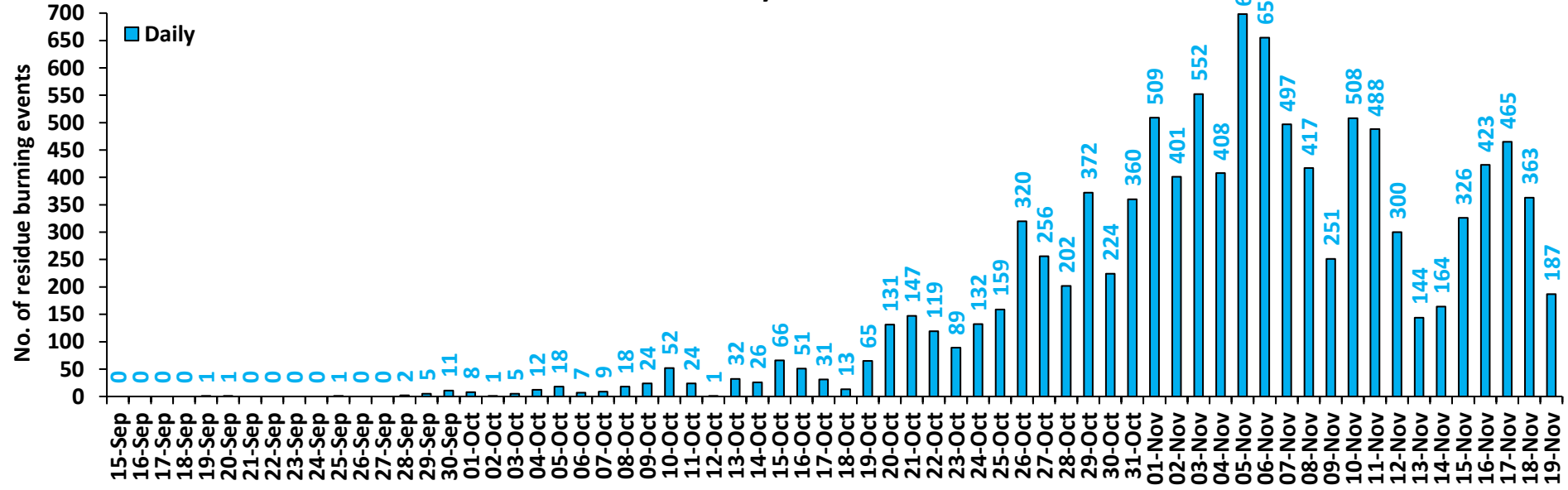
### Uttar Pradesh



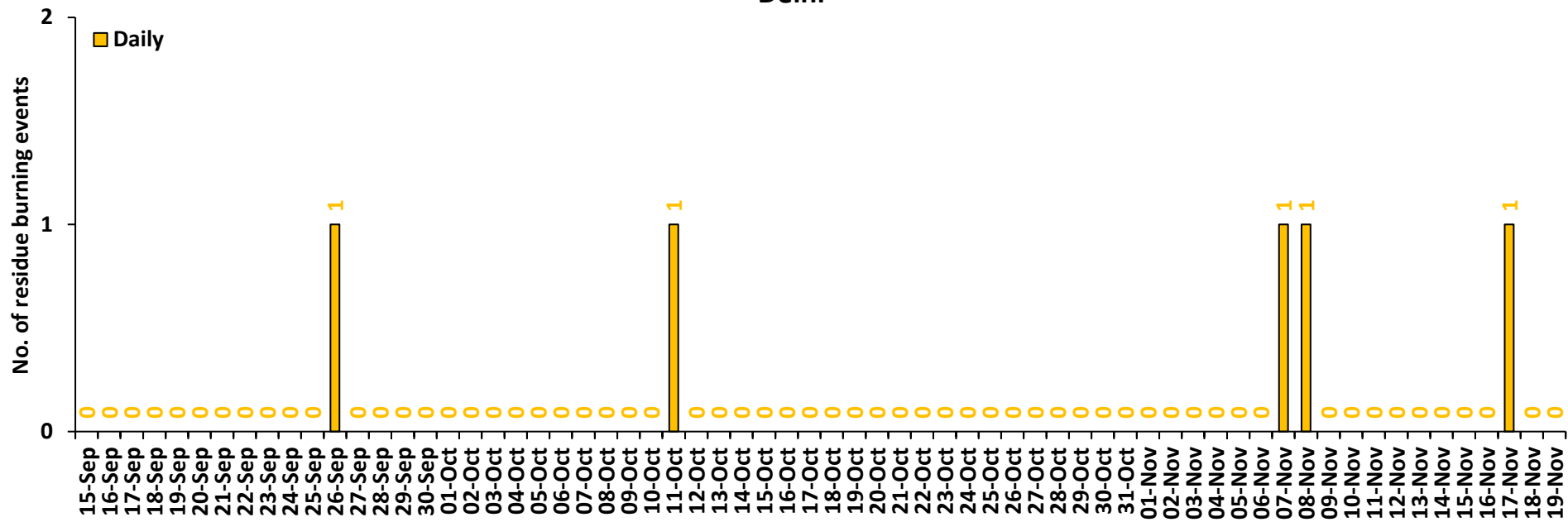
### Rajasthan



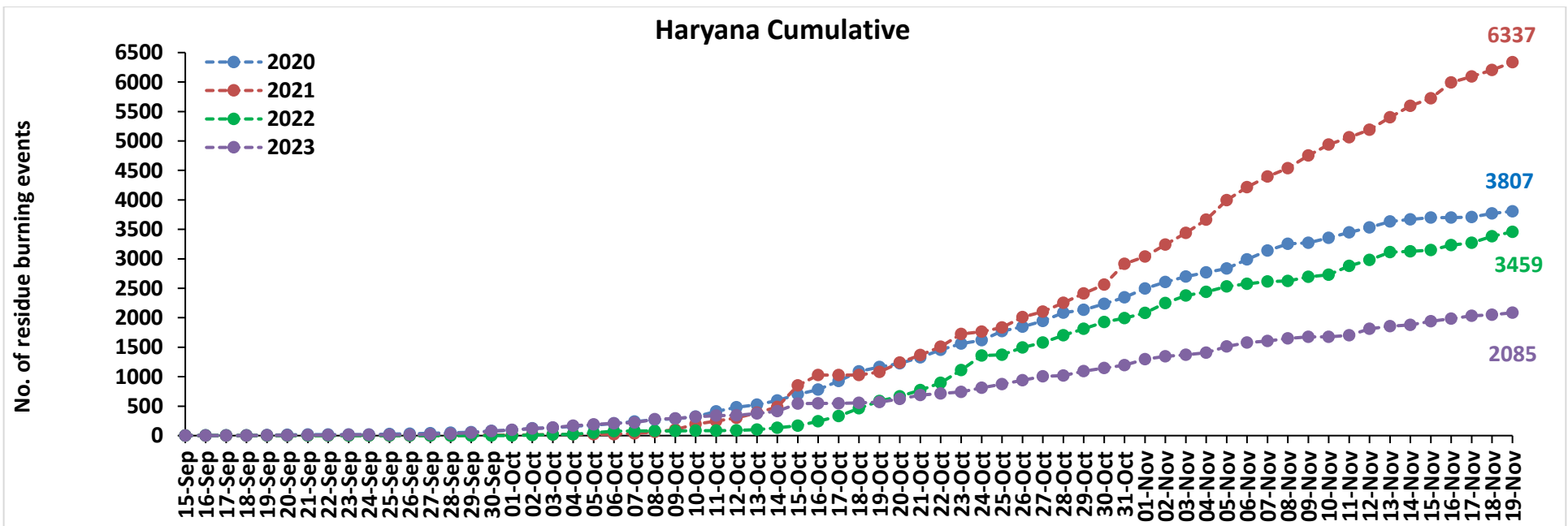
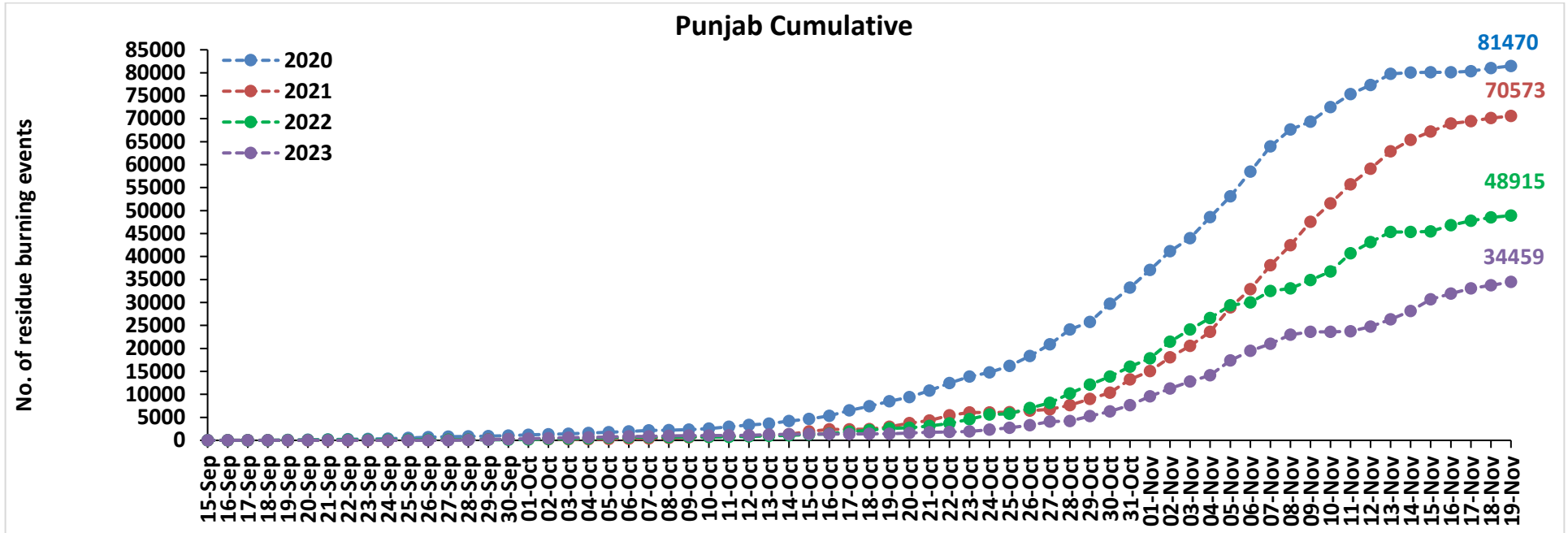
### Madhya Pradesh



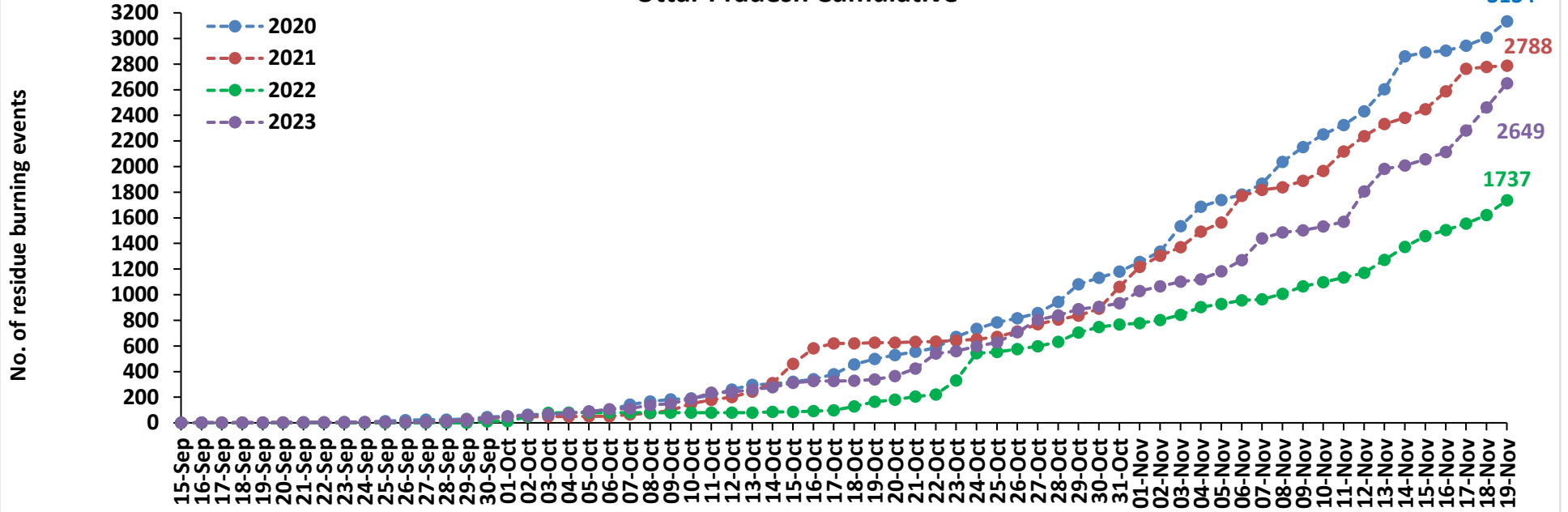
# Delhi



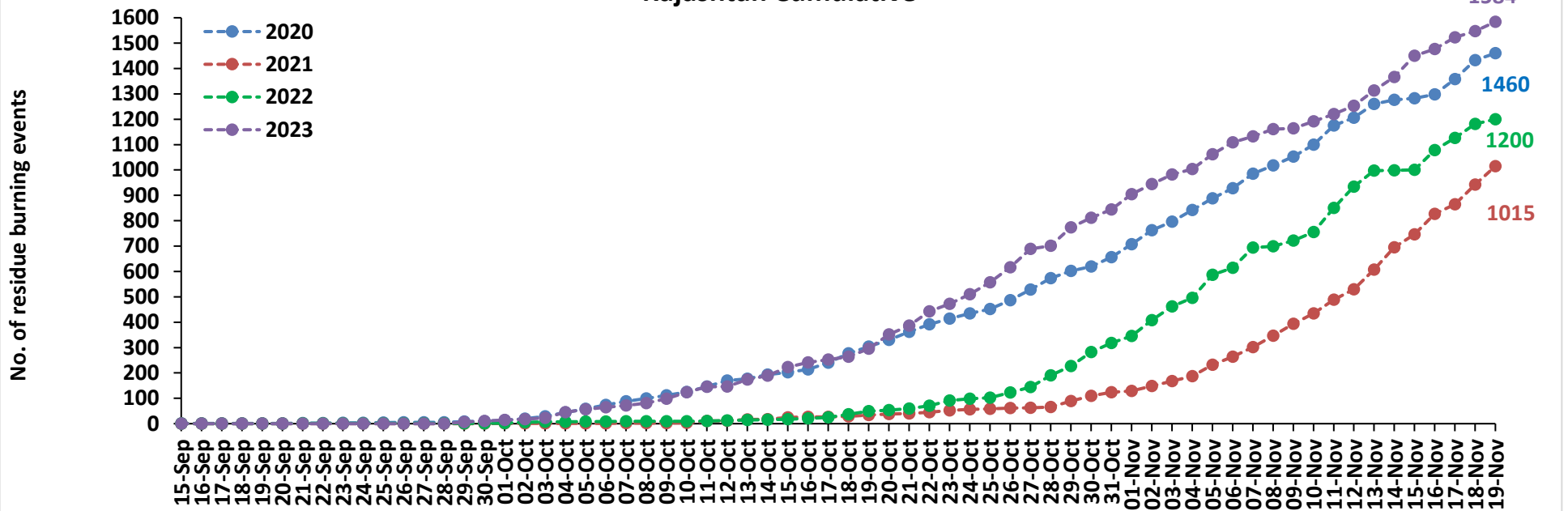
**Comparison of residue burning events in current year (2023) with previous years (2020, 2021 and 2022) for the study State**



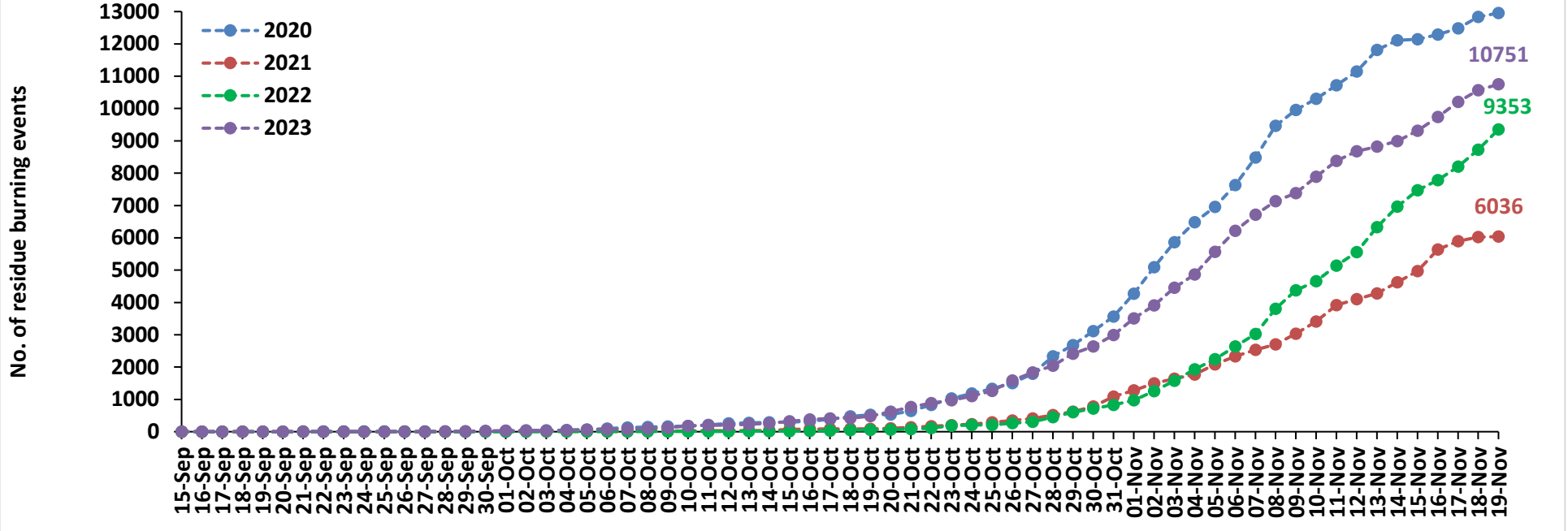
### Uttar Pradesh Cumulative



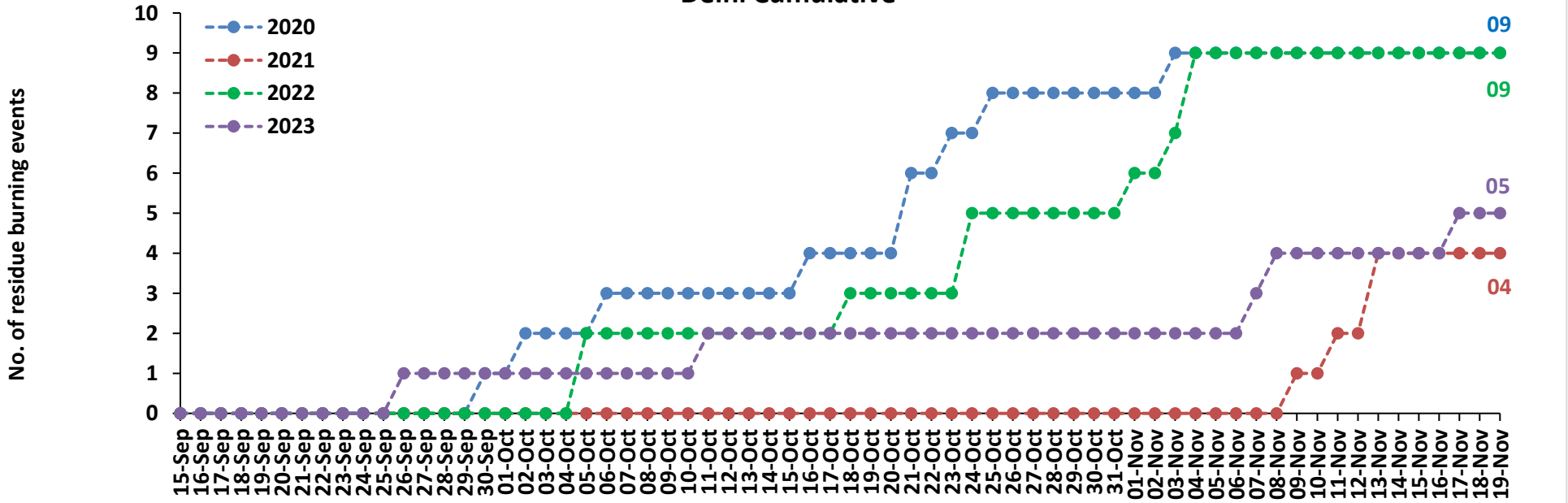
### Rajashtan Cumulative



### Madhya Pradesh Cumulative



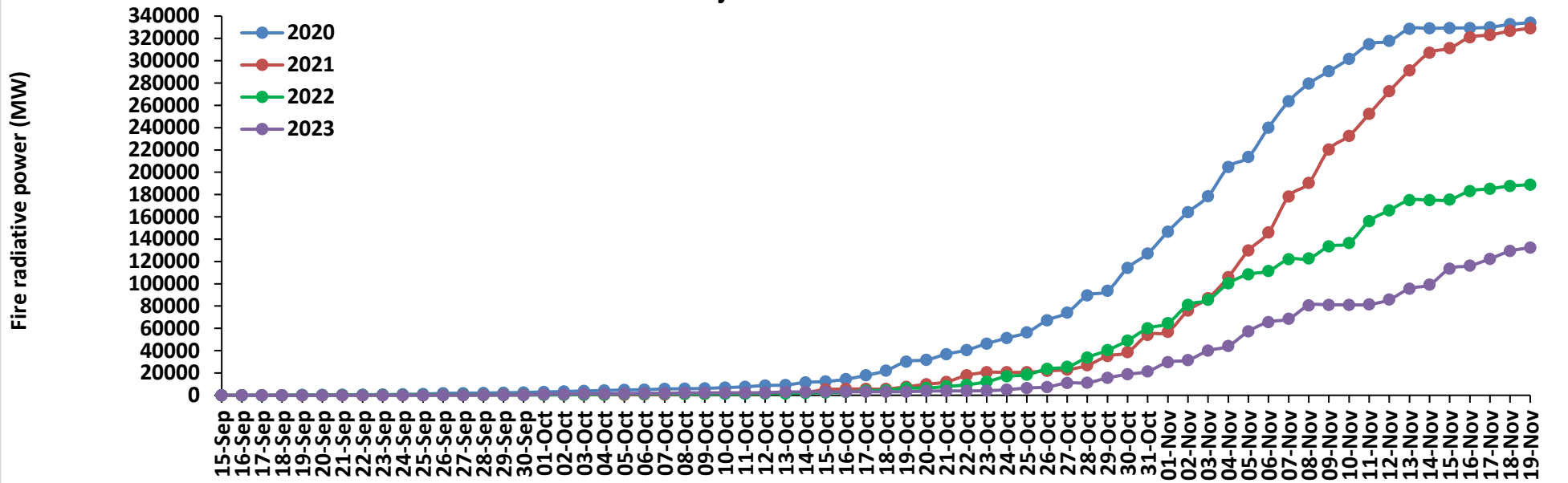
### Delhi Cumulative



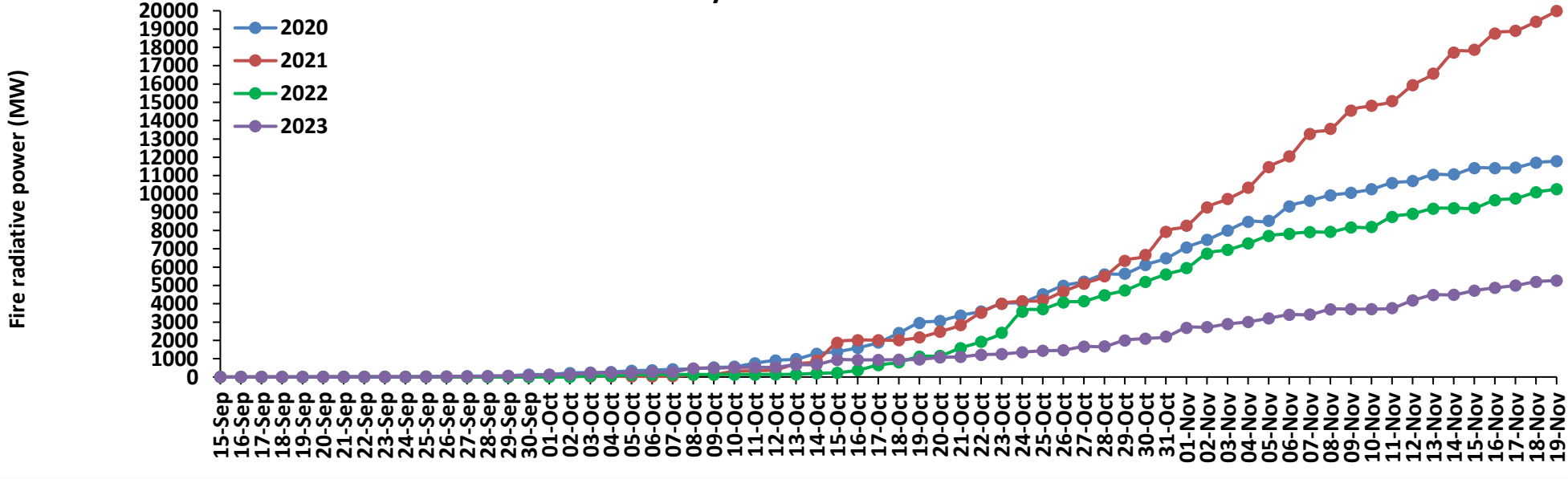


**Comparison of residue burning fire power in current year (2023) with previous years (2020, 2021 and 2022) for the study States**

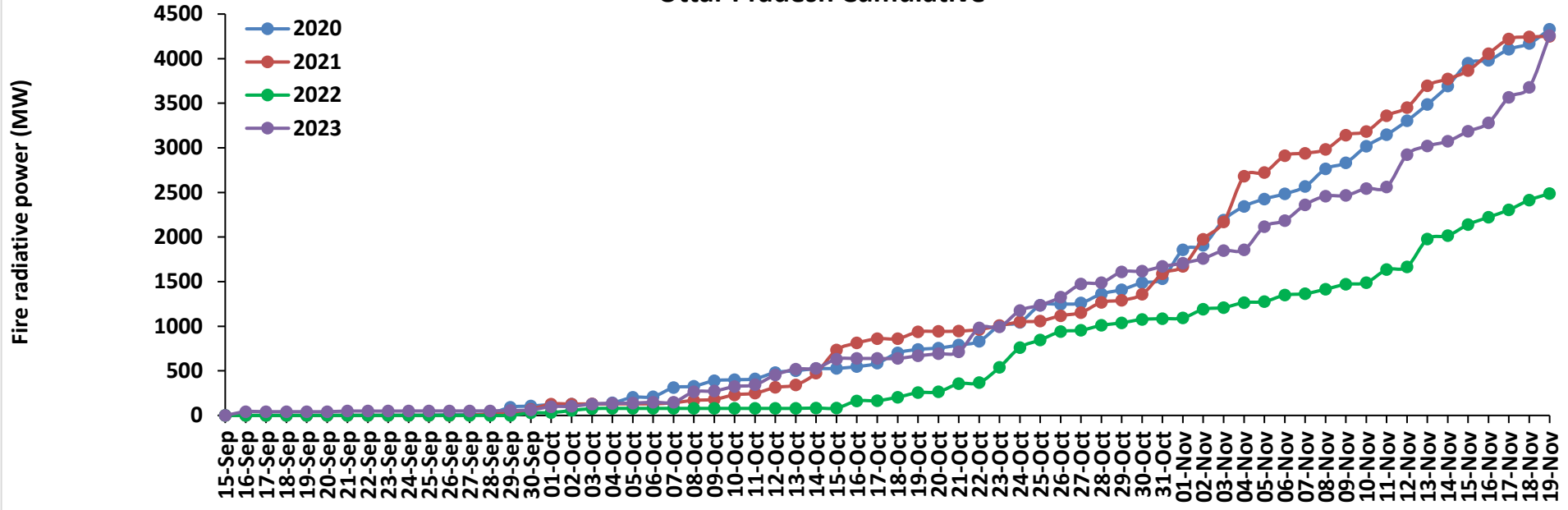
**Punjab Cumulative**



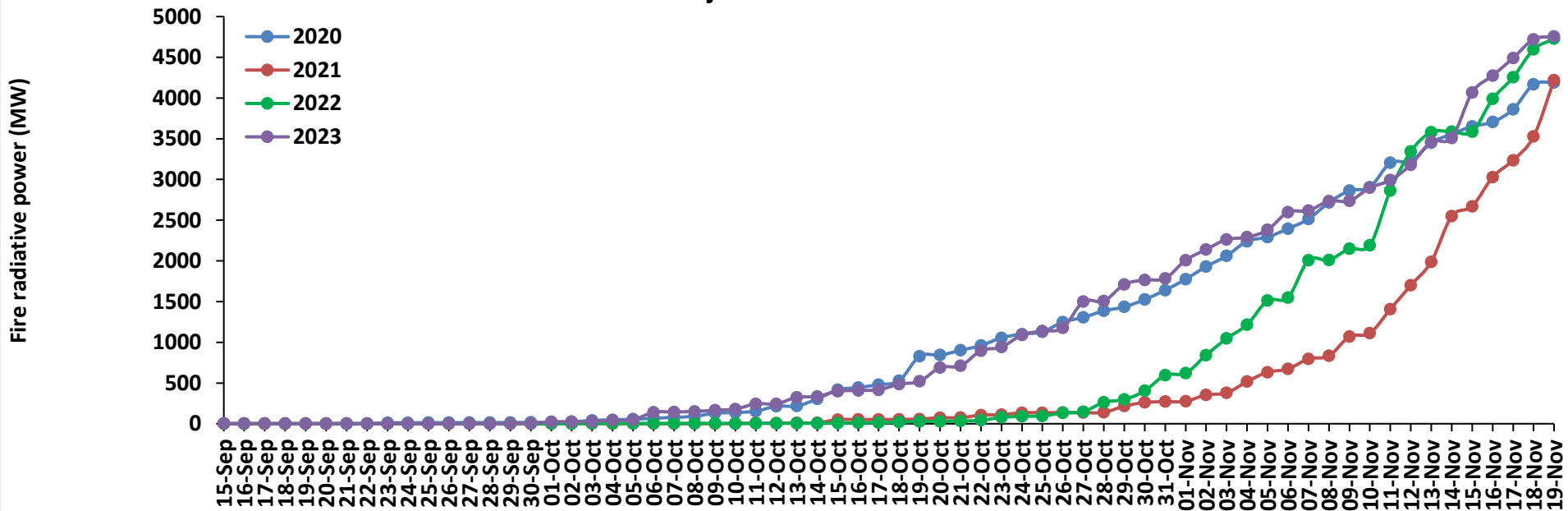
**Haryana Cumulative**



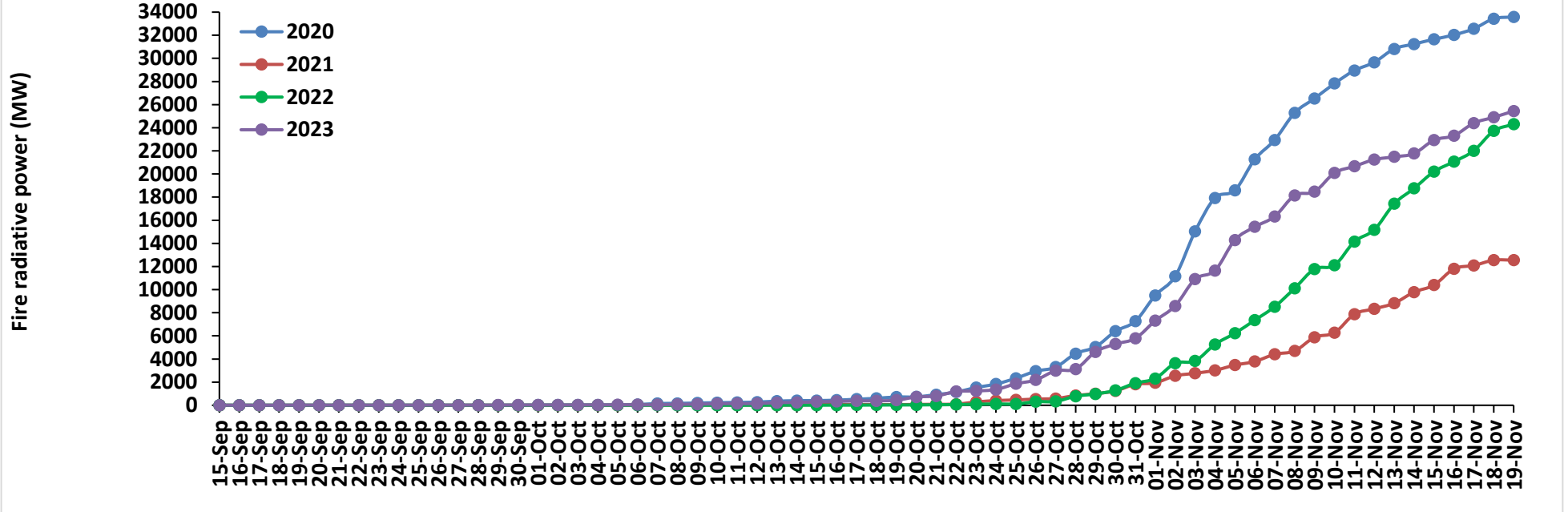
### Uttar Pradesh Cumulative



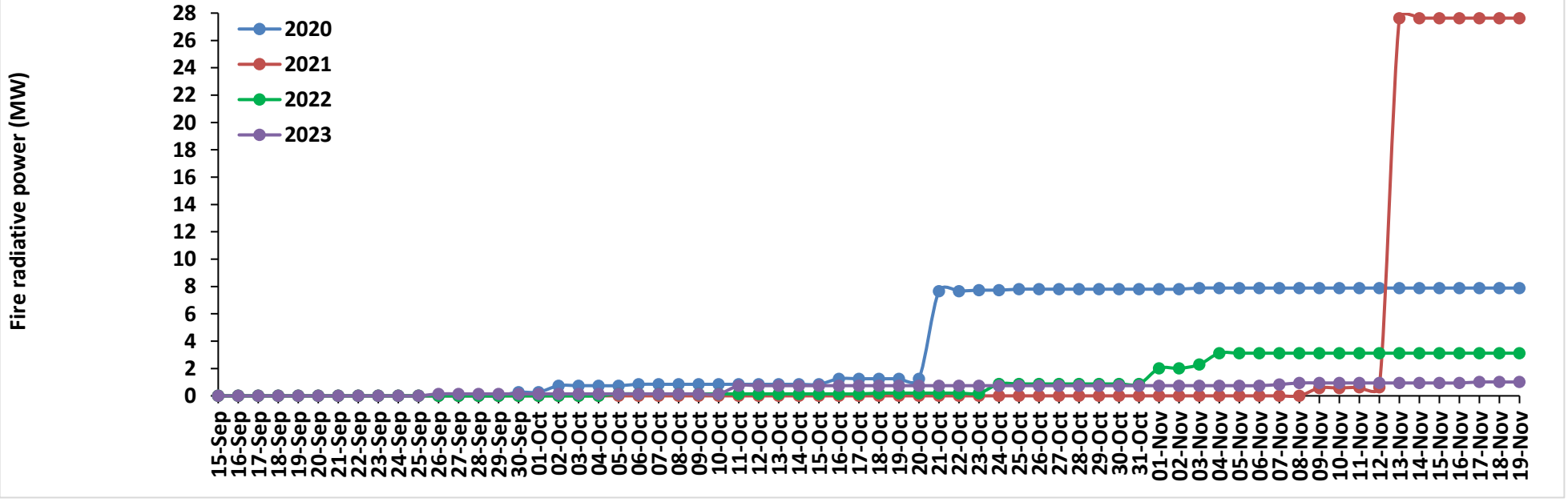
### Rajasthan Cumulative



### Madhya Pradesh Cumulative

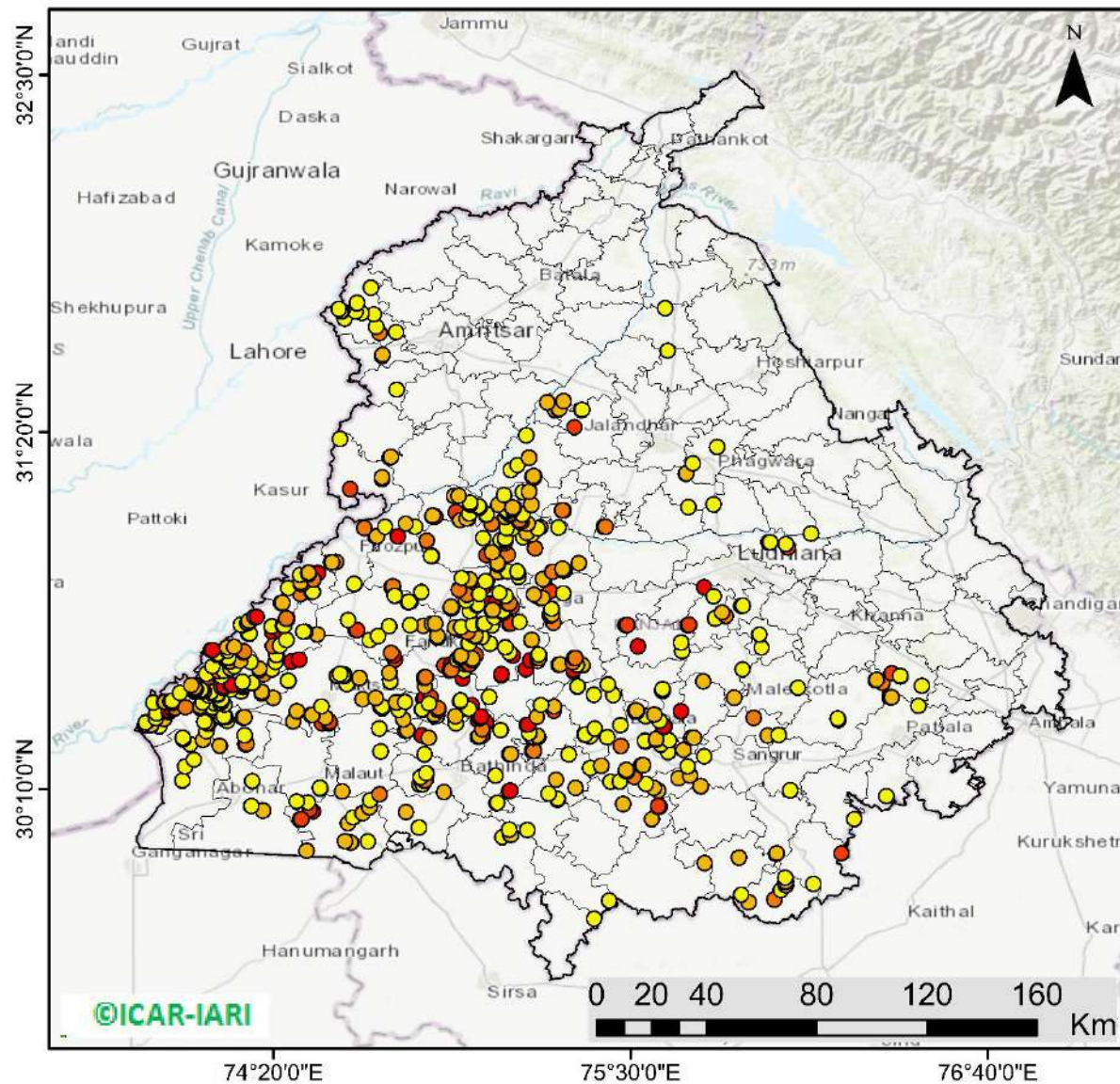


### Delhi Cumulative



# Punjab

## RICE RESIDUE BURNING IN PUNJAB



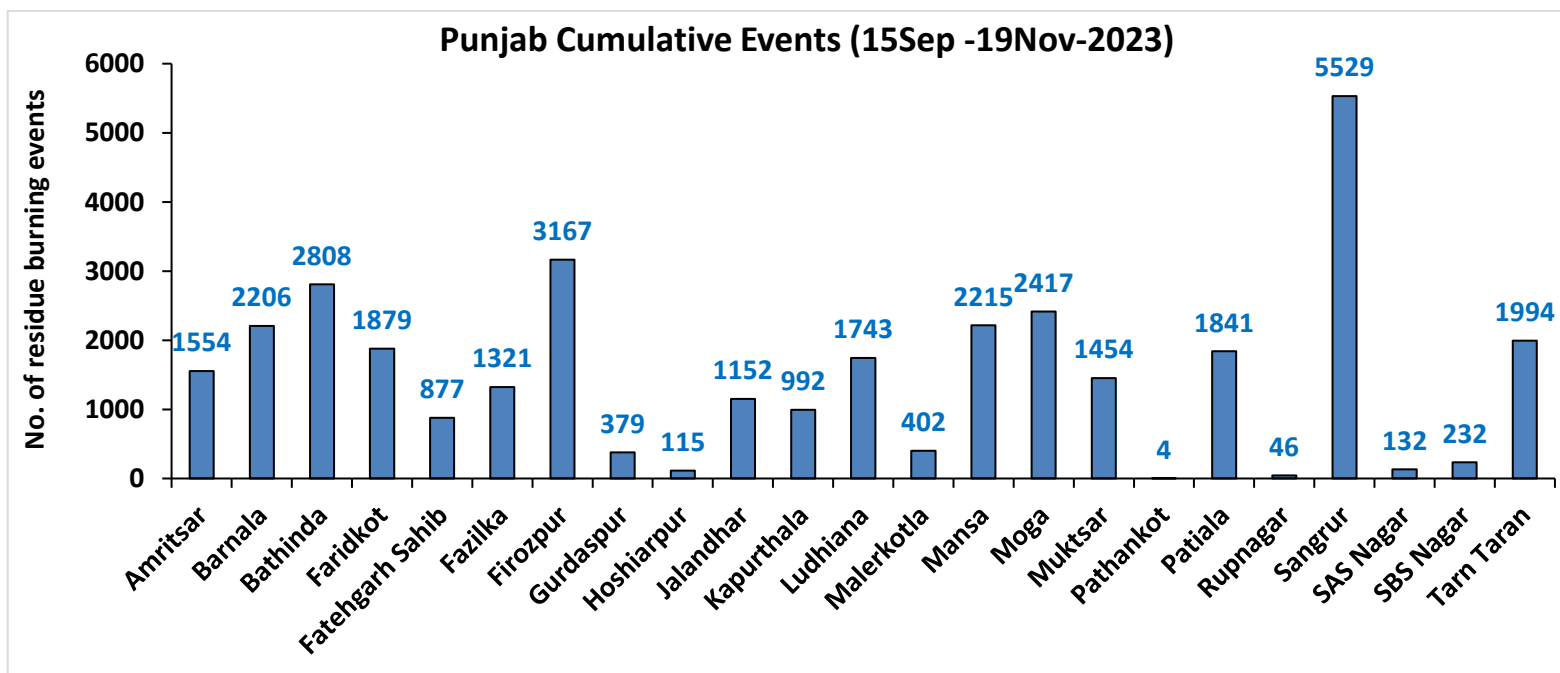
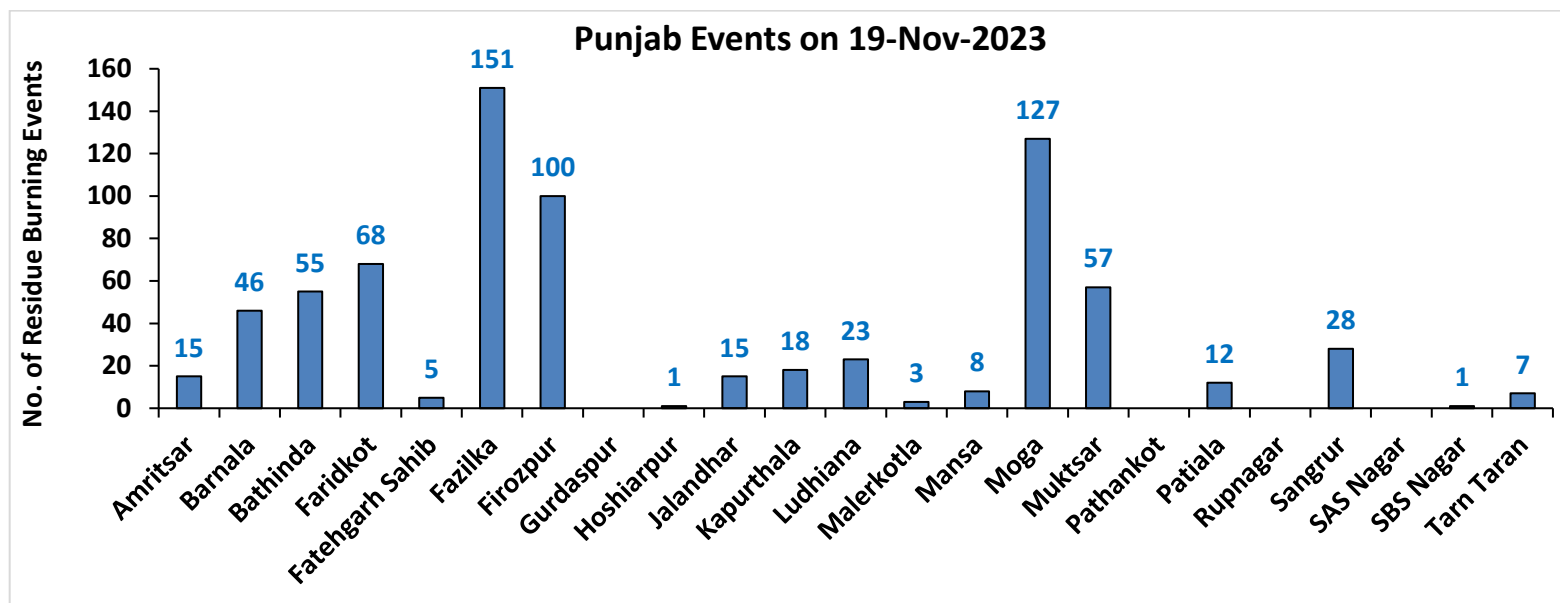
**740** burning events detected in Punjab during (19th Nov 2023)

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

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

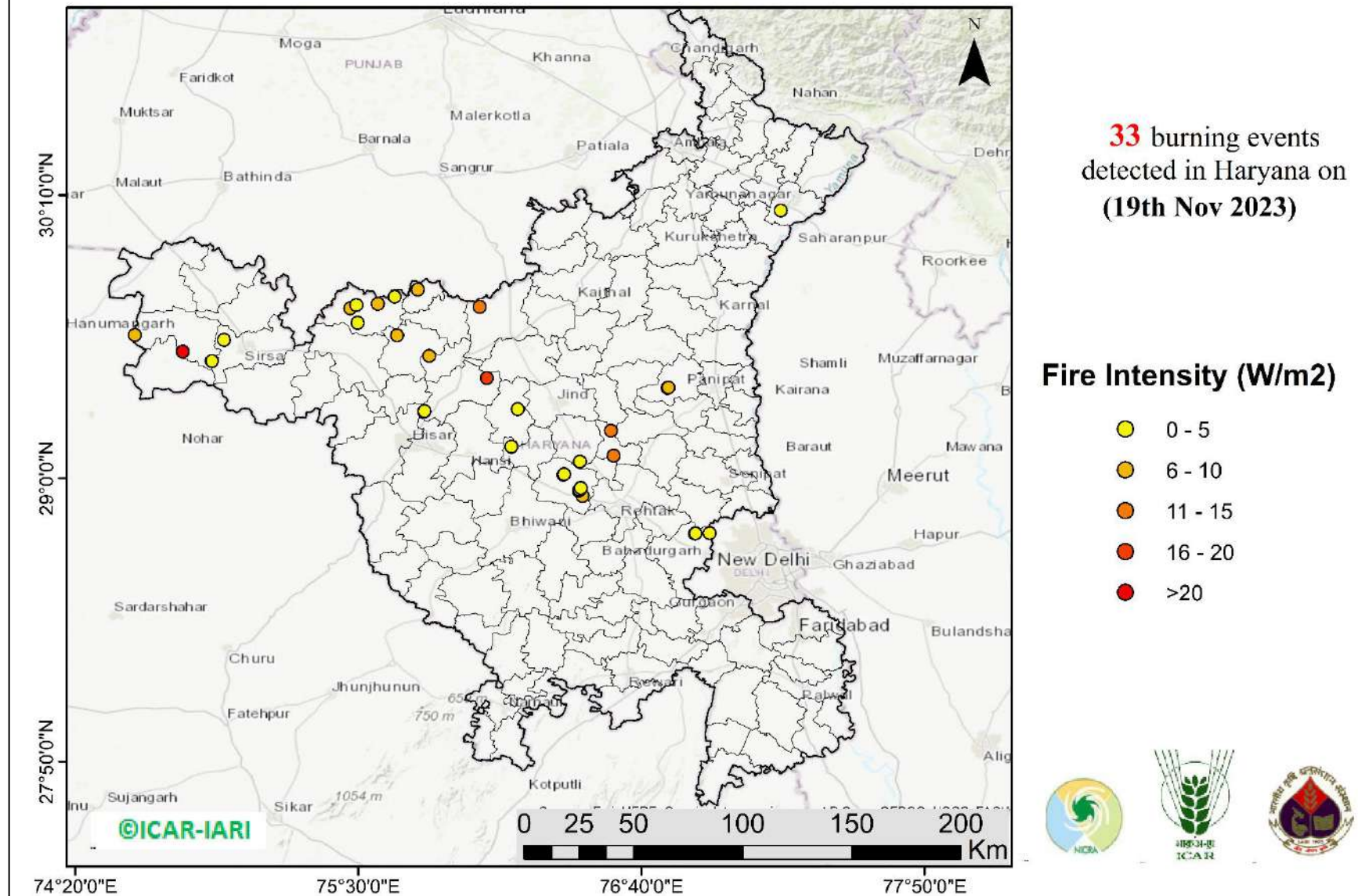


## District-wise cumulative number of residues burning events in Punjab (15Sep- 19Nov-2023)



# Haryana

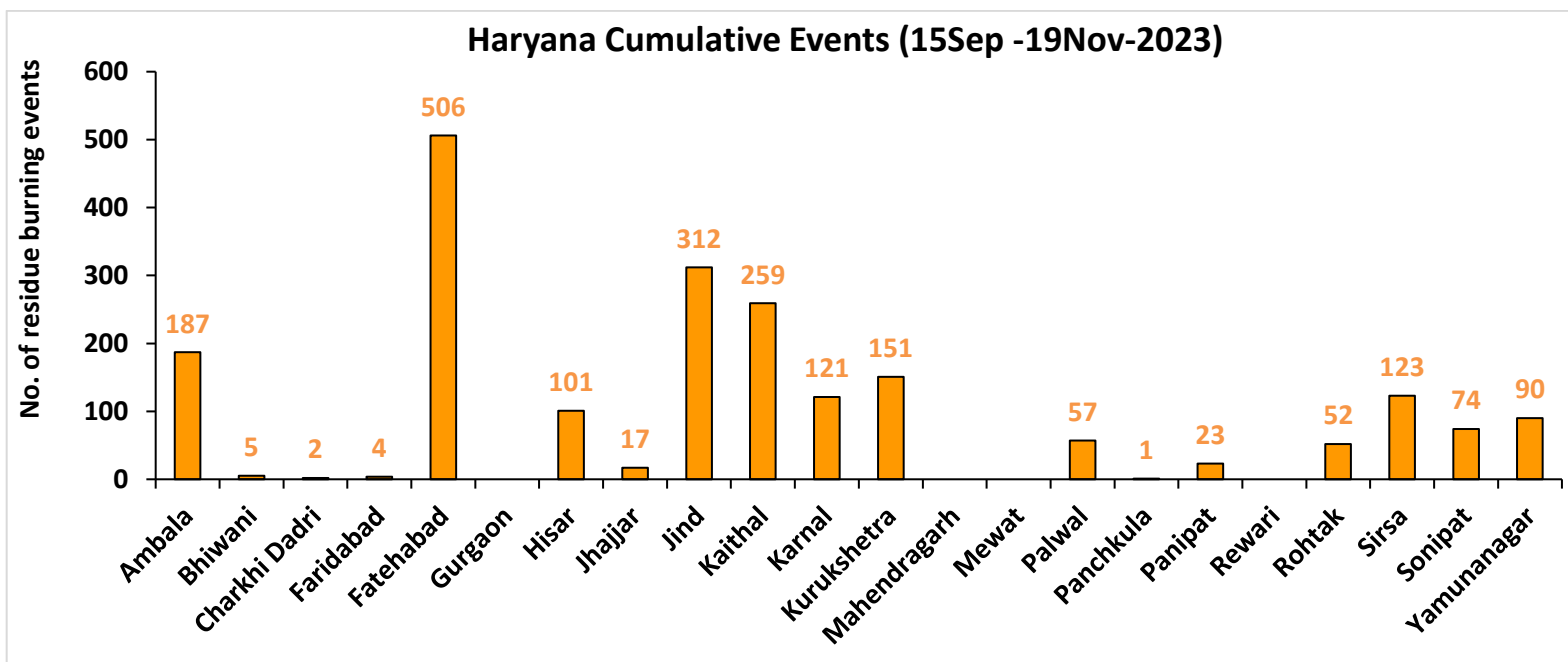
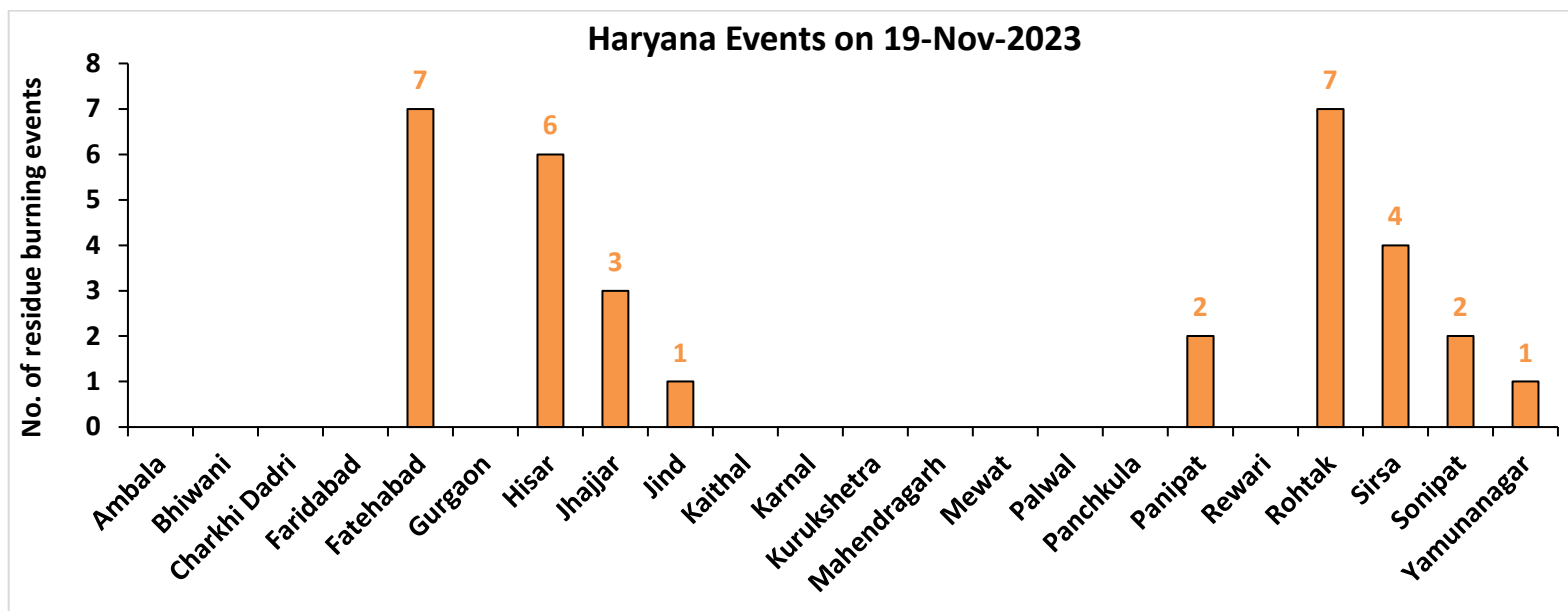
## RICE RESIDUE BURNING IN HARYANA



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

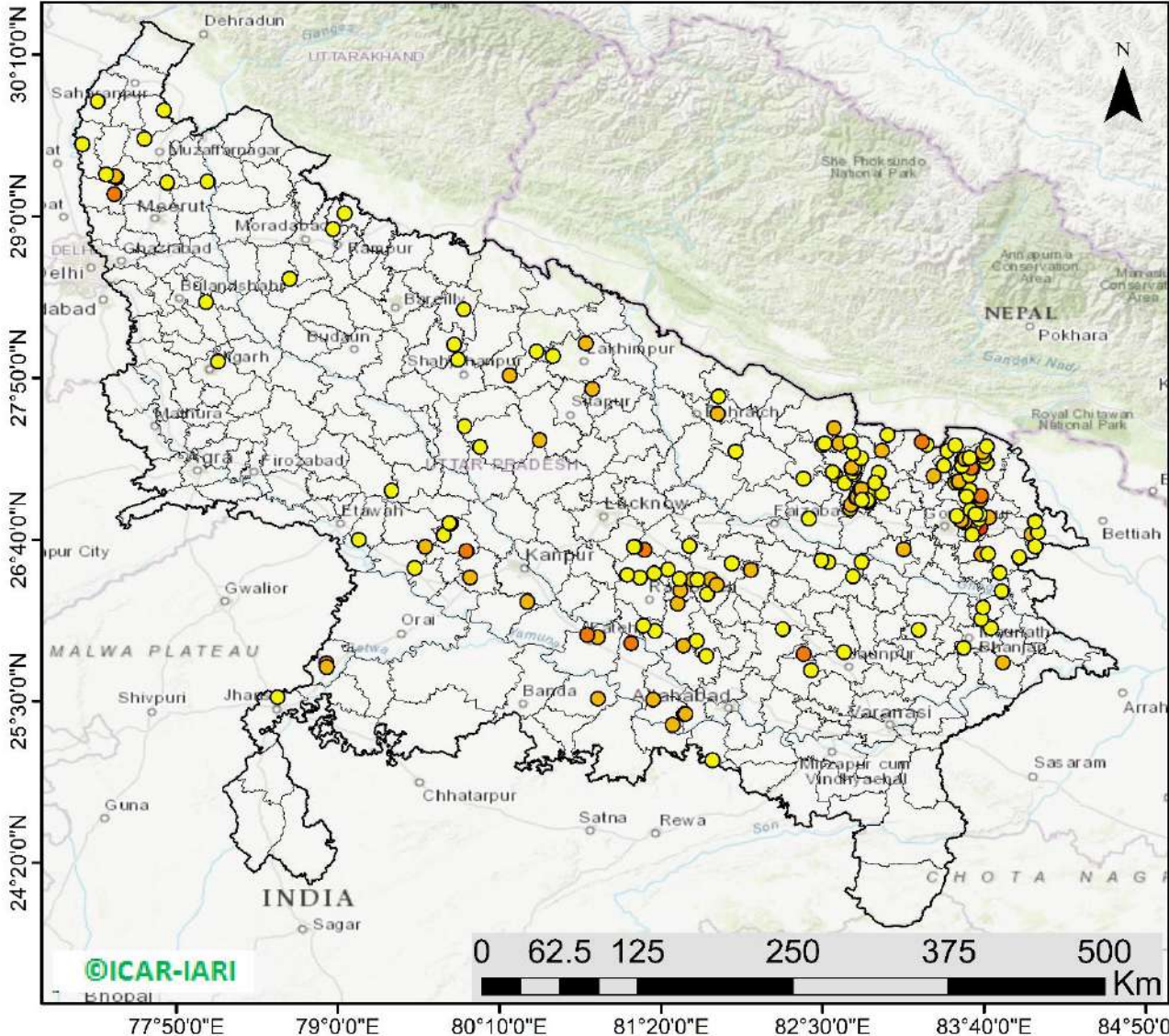


## District-wise cumulative number of residues burning events in Haryana (15Sep- 19Nov-2023)



# Uttar Pradesh

## RICE RESIDUE BURNING IN UTTAR PRADESH



**188** burning events detected in Uttar Pradesh on (19th Nov 2023)

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

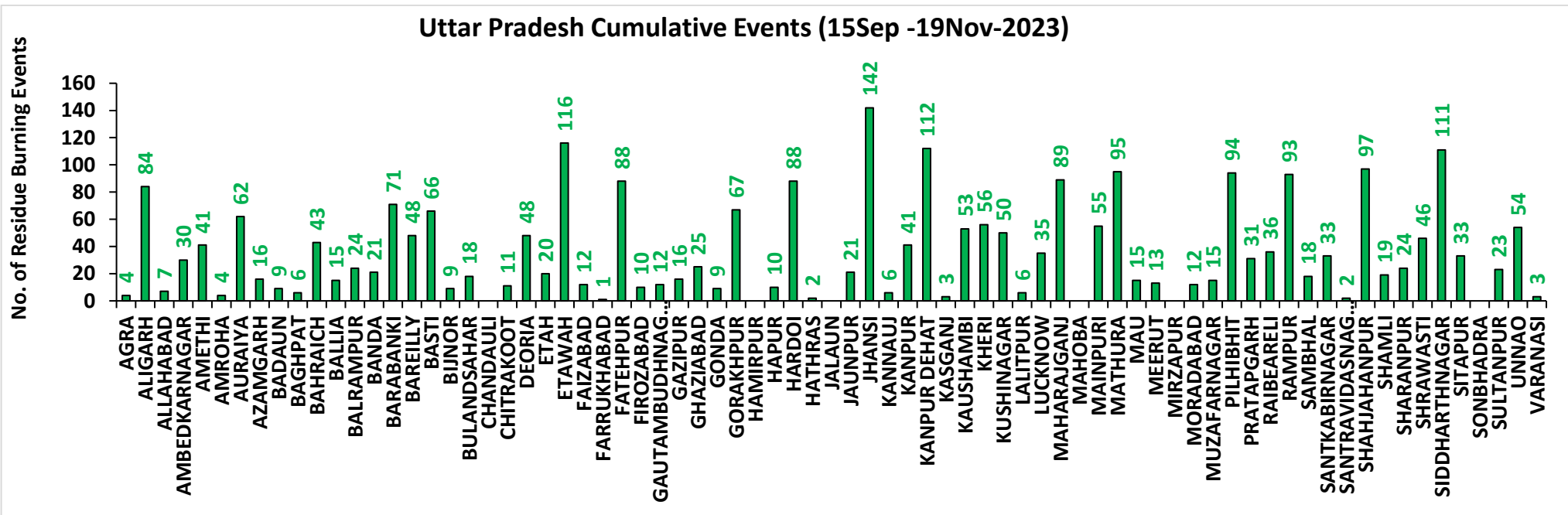
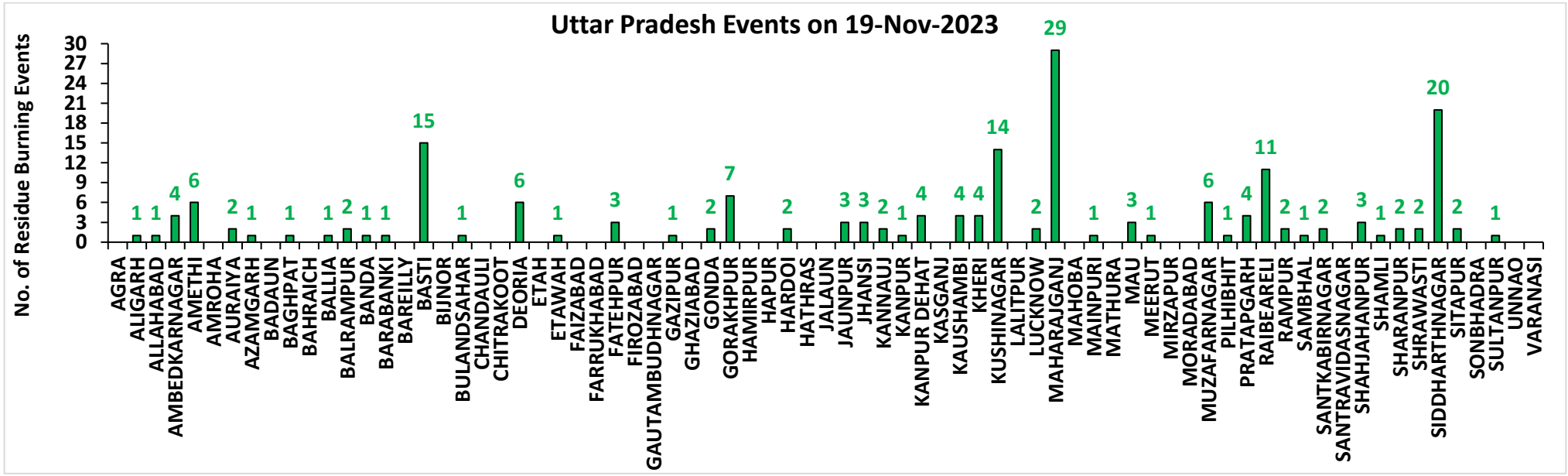
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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

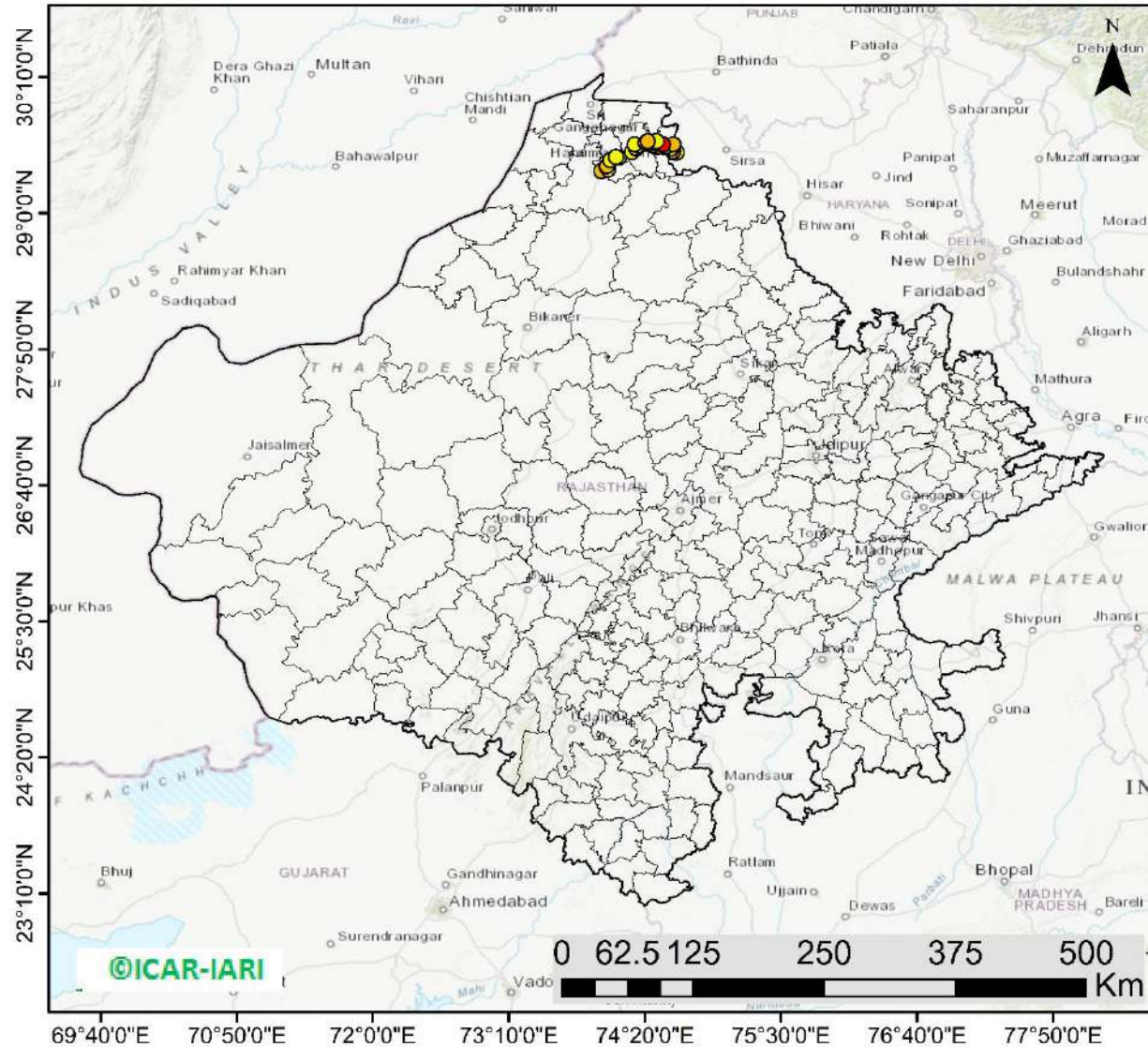


## District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-19Nov -2023)



# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**37** burning events  
detected in Rajasthan on  
**(19th Nov 2023)**

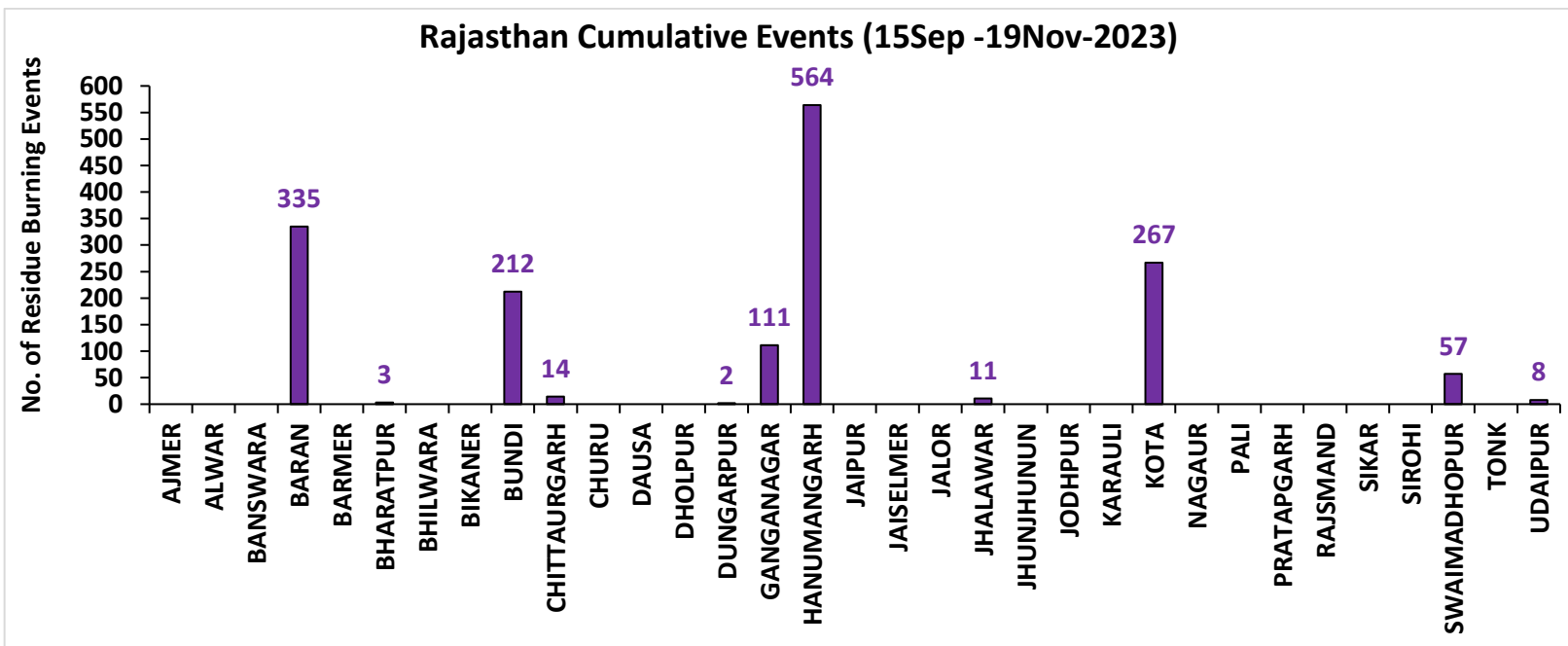
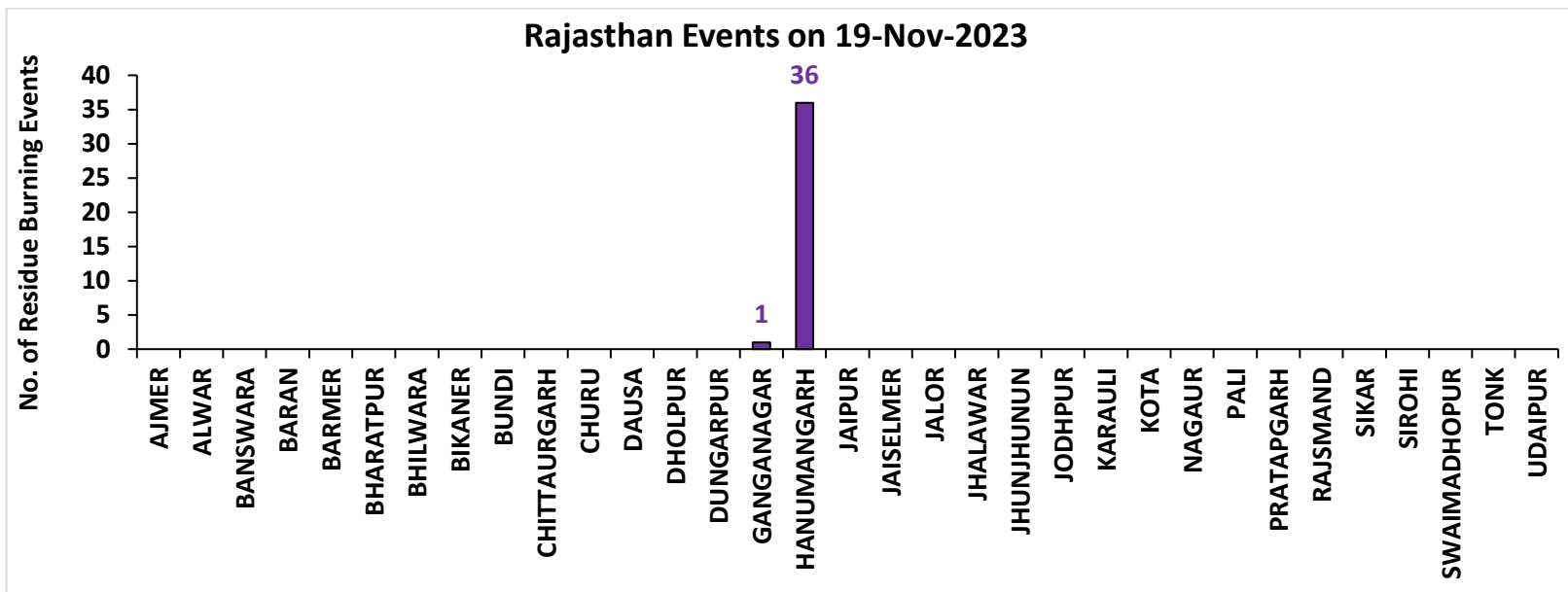
### Fire Intensity (W/m<sup>2</sup>)

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



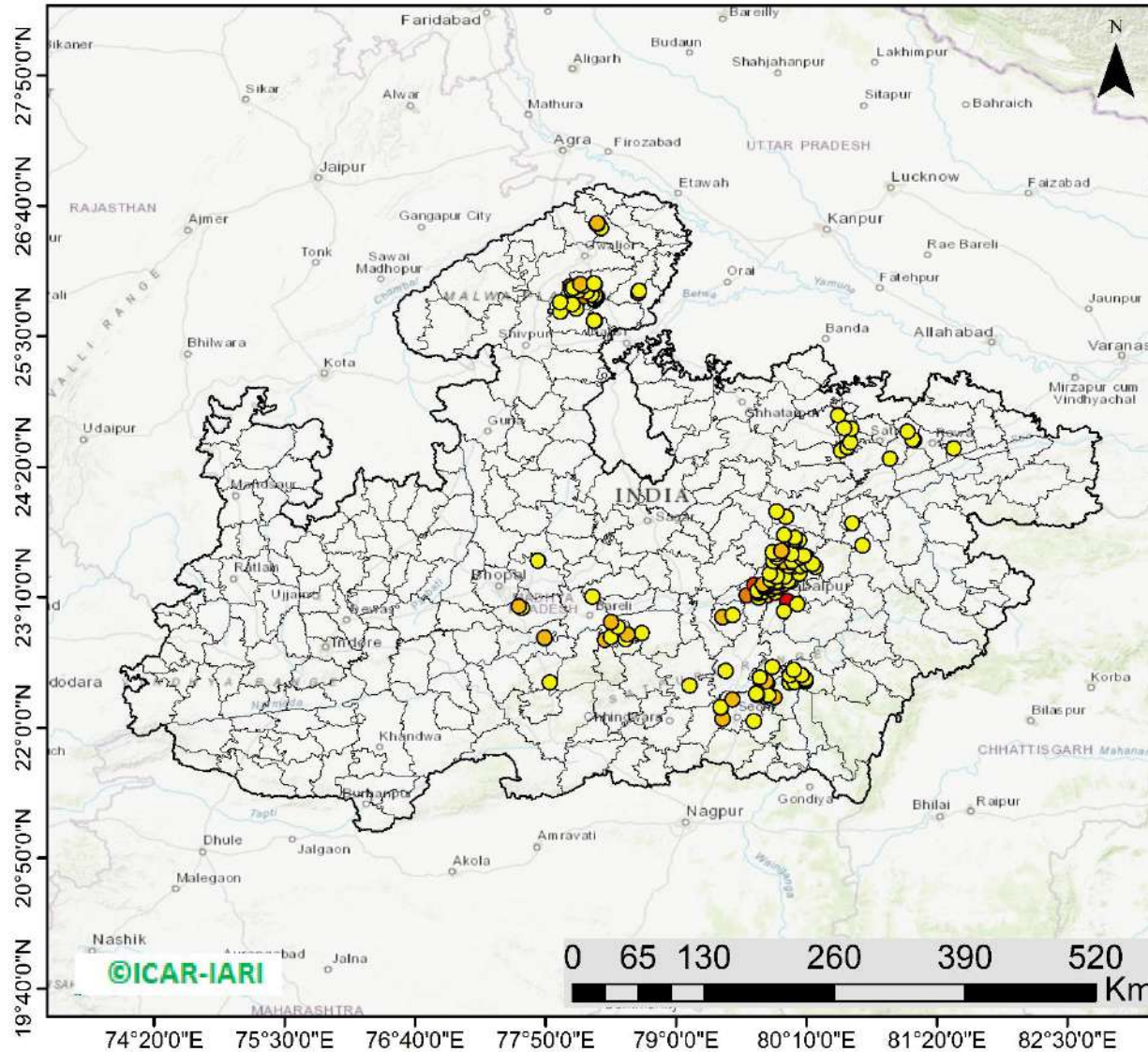
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Rajasthan (15Sep-19Nov -2023)



# Madhya Pradesh

## RICE RESIDUE BURNING IN MADHYA PRADESH



**187** burning events detected in MP on (19th Nov 2023)

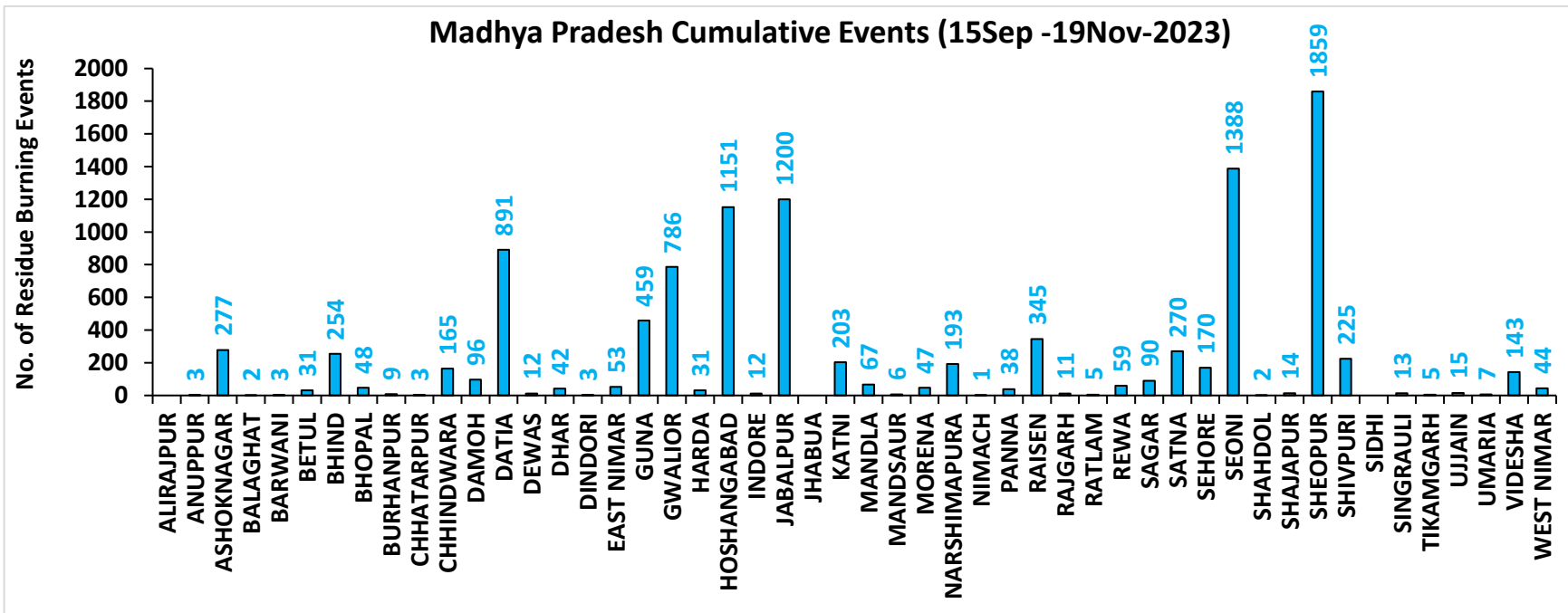
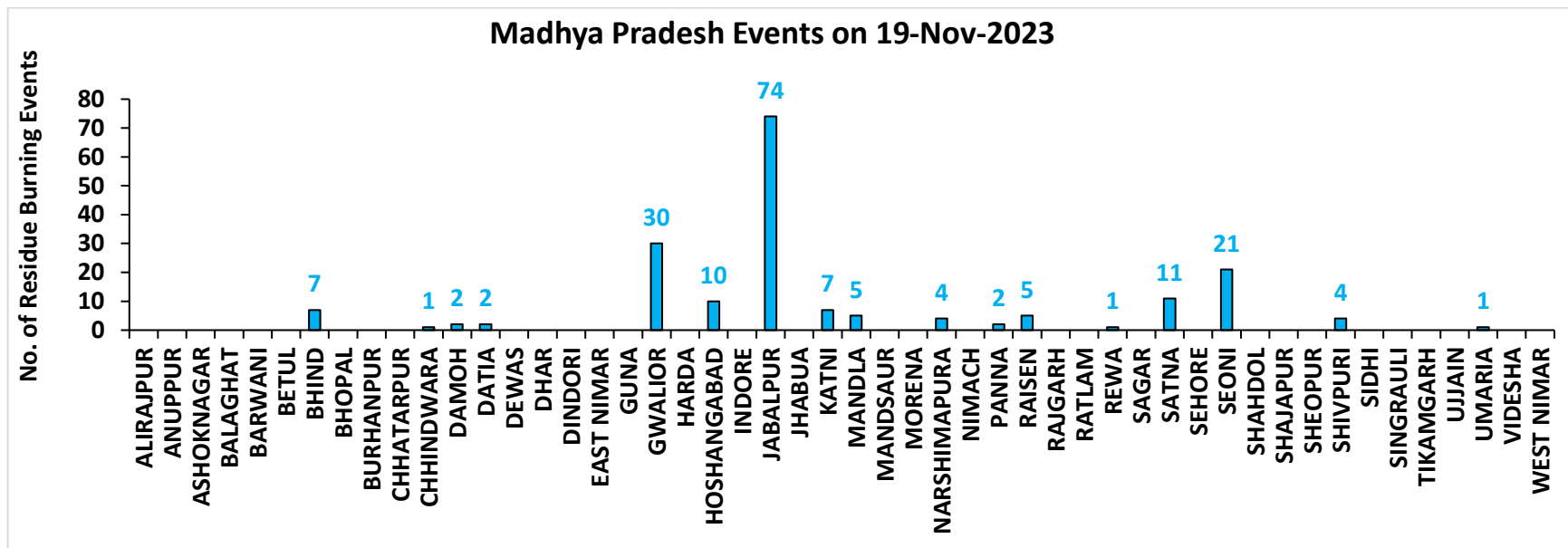
### Fire Intensity (W/m<sup>2</sup>)

- 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-19Nov -2023)



**District-wise cumulative number of residues burning events detected in 2020, 2021, 2022 and 2023**  
**(Period: 15 September-19 November)**

**(a) Punjab**

District	15 Sep-19 Nov			
	2020	2021	2022	2023
Amritsar	3053	2157	1535	1554
Barnala	5263	4312	2893	2206
Bathinda	5120	4440	4484	2808
Faridkot	4652	3928	2633	1879
Fatehgarh Sahib	1530	1699	1142	877
Fazilka	2233	2261	2415	1321
Firozpur	8402	6237	4487	3167
Gurdaspur	2120	1389	839	379
Hoshiarpur	386	327	256	115
Jalandhar	1930	2535	1374	1152
Kapurthala	1880	1789	1274	992
Ludhiana	4993	5784	2619	1743
Malerkotla*	--	--	--	402
Mansa	3708	3142	2757	2215
Moga	7271	6490	3529	2417
Muktsar	4761	4448	3597	1454
Pathankot	13	5	1	4
Patiala	6403	5362	3389	1841
Rupnagar	205	306	245	46
Sangrur	11695	9352	5902	5529
SAS NAGAR	127	147	103	132
SBS Nagar	131	353	266	232
Tarn Taran	5594	4110	3175	1994
<b>Total</b>	<b>81470</b>	<b>70573</b>	<b>48915</b>	<b>34459</b>

**(b) Haryana**

District	15 Sep-19 Nov			
	2020	2021	2022	2023
AMBALA	345	299	220	187
BHIWANI	4	8	5	5
CHARKHI DADRI	0	0	0	2
FARIDABAD	1	3	1	4
FATEHABAD	754	1381	735	506
GURGAON	0	0	0	0
HISAR	49	156	99	101
JHAJJAR	6	5	4	17
JIND	333	804	510	312
KAITHAL	829	1136	637	259
KARNAL	578	944	297	121
KURUKSHETRA	405	537	298	151
MAHENDRAGARH	0	0	0	0
MEWAT	0	0	0	0
PALWAL	46	113	51	57
PANCHKULA	0	0	0	1
PANIPAT	48	205	75	23
REWARI	0	0	0	0
ROHTAK	43	39	42	52
SIRSA	158	400	265	123
SONIPAT	66	163	79	74
YAMUNANAGAR	142	144	141	90
<b>Total</b>	<b>3807</b>	<b>6337</b>	<b>3459</b>	<b>2085</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-19 Nov													
	2020	2021	2022	2023	GAUTAMBUDHNAGAR	13	19	10	12	MUZAFARNAGAR	38	15	9	15
AGRA	7	0	0	4	GAZIPUR	9	10	10	16	PILHIBHIT	15	205	137	94
ALIGARH	112	38	41	84	GHAZIABAD	20	11	6	25	PRATAPGARH	30	19	18	31
ALLAHABAD	25	11	6	7	GONDA	12	8	1	9	RAIBEARELI	14	36	20	36
AMBEDKARNAGAR	14	11	14	30	GORAKHPUR	35	19	19	67	RAMPUR	153	183	101	93
AMETHI	3	13	12	41	HAMIRPUR	3	0	0	0	SAMBHAL	18	14	12	18
AMROHA	10	6	3	4	HAPUR	22	8	4	10	SANTKABIRNAGAR	24	14	5	33
AURAIYA	76	49	31	62	HARDOI	92	90	57	88	SANTRAVIDASNAGAR	4	1	3	2
AZAMGARH	41	3	7	16	HATHRAS	0	0	1	2	SHAHJAHANPUR	120	393	289	97
BADAUN	13	16	3	9	JALAUN	37	0	0	0	SHAMLI	45	31	9	19
BAGHPAT	14	8	9	6	JAUNPUR	33	12	9	21	SHARANPUR	92	63	17	24
BAHRAICH	104	50	18	43	JHANSI	234	69	91	142	SHRAWASTI	43	33	11	46
BALLIA	52	13	19	15	KANNAUJ	31	6	3	6	SIDDHARTHANAGAR	58	101	23	111
BALRAMPUR	62	17	9	24	KANPUR	27	30	19	41	SITAPUR	51	44	20	33
BANDA	19	5	5	21	KANPUR DEHAT	69	37	32	112	SONBHADRA	0	0	0	0
BARABANKI	33	56	53	71	KASGANJ	2	2	1	3	SULTANPUR	2	14	10	23
BAREILLY	67	55	45	48	KAUSHAMBI	49	63	28	53	UNNAO	40	23	27	54
BASTI	51	42	9	66	KHERI	129	150	115	56	VARANASI	1	2	0	3
BIJNOR	33	32	7	9	KUSHINAGAR	58	12	8	50	<b>Total</b>	<b>3134</b>	<b>2788</b>	<b>1737</b>	<b>2649</b>
BULANDSAHAR	50	5	15	18	LALITPUR	3	6	3	6					
CHANDAULI	3	0	0	0	LUCKNOW	35	32	12	35					
CHITRAKOOT	12	9	5	11	MAHARAJGANJ	37	74	51	89					
DEORIA	67	9	13	48	MAHOBA	27	0	0	0					
ETAH	17	10	4	20	MAINPURI	60	43	28	55					
ETAWAH	65	54	40	116	MATHURA	159	236	30	95					
FAIZABAD	8	4	2	12	MAU	15	9	2	15					
FARRUKHABAD	4	3	1	1	MEERUT	53	18	24	13					
FATEHPUR	105	79	75	88	MIRZAPUR	7	8	2	0					
FIROZABAD	26	17	8	10	MORADABAD	22	10	6	12					

**(d) Delhi**

District	15 Sep-19 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-19 Nov			
	2020	2021	2022	2023
AJMER	3	0	0	0
ALWAR	9	0	0	0
BANSWARA	0	0	0	0
BARAN	166	11	74	335
BARMER	4	0	0	0
BHARATPUR	2	3	1	3
BHILWARA	11	0	0	0
BIKANER	1	0	0	0
BUNDI	128	84	180	212
CHITTAURGARH	1	12	8	14
CHURU	0	0	0	0
DAUSA	1	0	0	0
DHOLPUR	0	0	0	0
DUNGARPUR	0	0	2	2
GANGANAGAR	160	111	98	111
HANUMANGARH	740	702	632	564
JAIPUR	4	0	0	0
JAISELMER	5	0	0	0
JALOR	2	0	0	0
JHALAWAR	8	1	10	11
JHUNJHUNUN	1	0	0	0
JODHPUR	4	0	0	0
KARAULI	1	0	0	0
KOTA	116	56	140	267
NAGOUR	3	0	0	0
PALI	8	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	1	1	0	8
<b>Total</b>	<b>1460</b>	<b>1015</b>	<b>1200</b>	<b>1584</b>



**(f) Madhya Pradesh**

District	15 Sep-19 Nov								
	2020	2021	2022	2023					
					PANNA	49	17	20	38
ALIRAJPUR	0	0	0	0	RAISEN	580	261	319	345
ANUPPUR	0	1	3	3	RAJGARH	10	3	4	11
ASHOKNAGAR	152	85	183	277	RATLAM	3	5	3	5
BALAGHAT	5	4	1	2	REWA	124	61	42	59
BARWANI	3	0	0	3	SAGAR	28	30	53	90
BETUL	36	14	14	31	SATNA	543	284	280	270
BHIND	251	127	187	254	SEHORE	150	134	185	170
BHOPAL	49	33	33	48	SEONI	1228	881	1070	1388
BURHANPUR	13	1	1	9	SHAHDOL	3	0	0	2
CHHATARPUR	7	0	2	3	SHAJAPUR	17	0	0	14
CHHINDWARA	127	53	90	165	SHEOPUR	1799	938	1785	1859
DAMOH	73	51	66	96	SHIVPURI	333	52	196	225
DATIA	1178	441	803	891	SIDHI	4	2	1	0
DEWAS	8	0	0	12	SINGRAULI	0	4	3	13
DHAR	43	0	0	42	TIKAMGARH	4	0	1	5
DINDORI	0	0	1	3	UJJAIN	10	0	0	15
EAST NIMAR	22	7	11	53	UMARIA	7	4	7	7
GUNA	67	9	117	459	VIDESHA	133	86	80	143
GWALIOR	1944	387	1260	786	WEST NIMAR	61	10	14	44
HARDA	14	21	10	31	<b>Total</b>	<b>12955</b>	<b>6036</b>	<b>9353</b>	<b>10751</b>
HOSHANGABAD	1055	1056	1068	1151					
INDORE	4	0	0	12					
JABALPUR	2045	640	947	1200					
JHABUA	0	0	0	0					
KATNI	290	69	143	203					
MANDLA	141	95	107	67					
MANDSAUR	12	0	0	6					
MORENA	62	37	25	47					
NARSHIMAPURA	266	133	218	193					
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-19 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>Total</b>	<b>81470</b>	<b>70573</b>	<b>48915</b>	<b>34459</b>	<b>3807</b>	<b>6337</b>	<b>3459</b>	<b>2085</b>	<b>3134</b>	<b>2788</b>	<b>1737</b>	<b>2649</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
08-Nov	0	0	0	1	33	44	5	29	981	170	783	417
09-Nov	0	1	0	0	34	48	22	3	495	330	570	251
10-Nov	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>Total</b>	<b>9</b>	<b>4</b>	<b>9</b>	<b>5</b>	<b>1460</b>	<b>1015</b>	<b>1200</b>	<b>1584</b>	<b>12955</b>	<b>6036</b>	<b>9353</b>	<b>10751</b>

## Details of residue burning events in Punjab on 19-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	Amritsar	Attari	S-NPP	31.58171	74.68858	14:19:00	D	5.70
2	Amritsar	Attari	S-NPP	31.58580	74.69017	14:19:00	D	5.30
3	Amritsar	Chogawan	S-NPP	31.65644	74.67999	14:19:00	D	11.30
4	Amritsar	Chogawan	S-NPP	31.65972	74.73436	14:19:00	D	3.90
5	Amritsar	Chogawan	S-NPP	31.67702	74.66920	14:19:00	D	2.70
6	Amritsar	Chogawan	S-NPP	31.70431	74.56653	12:39:26	D	4.00
7	Amritsar	Chogawan	S-NPP	31.71809	74.66122	14:19:00	D	3.10
8	Amritsar	Chogawan	S-NPP	31.72170	74.62150	14:19:00	D	2.00
9	Amritsar	Chogawan	S-NPP	31.72644	74.60151	14:19:00	D	3.80
10	Amritsar	Chogawan	S-NPP	31.72781	74.55797	12:39:26	D	4.10
11	Amritsar	Chogawan	S-NPP	31.72829	74.55424	12:39:26	D	4.40
12	Amritsar	Chogawan	S-NPP	31.73500	74.54719	14:19:00	D	3.60
13	Amritsar	Chogawan	S-NPP	31.75320	74.60558	12:39:26	D	1.60
14	Amritsar	Chogawan	S-NPP	31.75539	74.60693	12:39:26	D	4.00
15	Amritsar	Chogawan	S-NPP	31.80454	74.65200	14:19:00	D	4.20
16	Barnala	Barnala	AQUA	30.42100	75.66500	13:33:49	D	22.90
17	Barnala	Barnala	S-NPP	30.18386	75.55039	14:19:00	D	4.10
18	Barnala	Barnala	S-NPP	30.19086	75.43451	12:39:26	D	3.00
19	Barnala	Barnala	S-NPP	30.20624	75.51159	14:19:00	D	10.60
20	Barnala	Barnala	S-NPP	30.22360	75.48825	12:39:26	D	6.70
21	Barnala	Barnala	S-NPP	30.22571	75.48419	12:39:26	D	7.60
22	Barnala	Barnala	S-NPP	30.22700	75.48913	12:39:26	D	10.60
23	Barnala	Barnala	S-NPP	30.22942	75.48626	12:39:26	D	6.70
24	Barnala	Barnala	S-NPP	30.24109	75.68656	14:19:00	D	2.20
25	Barnala	Barnala	S-NPP	30.24268	75.40363	14:19:00	D	6.50
26	Barnala	Barnala	S-NPP	30.24310	75.40470	14:19:00	D	9.50
27	Barnala	Barnala	S-NPP	30.24453	75.53548	14:19:00	D	5.10
28	Barnala	Barnala	S-NPP	30.24485	75.54080	14:19:00	D	5.10
29	Barnala	Barnala	S-NPP	30.28704	75.62309	12:39:26	D	1.70

30	Barnala	Barnala	S-NPP	30.30790	75.46844	14:19:00	D	10.50
31	Barnala	Barnala	S-NPP	30.31214	75.59881	12:39:26	D	4.00
32	Barnala	Barnala	S-NPP	30.32122	75.54935	12:39:26	D	4.50
33	Barnala	Barnala	S-NPP	30.32401	75.54713	12:39:26	D	2.70
34	Barnala	Barnala	S-NPP	30.32537	75.62592	12:39:26	D	4.80
35	Barnala	Barnala	S-NPP	30.32697	75.58322	12:39:26	D	6.50
36	Barnala	Barnala	S-NPP	30.33015	75.58334	12:39:26	D	7.40
37	Barnala	Barnala	S-NPP	30.37100	75.60595	14:19:00	D	10.90
38	Barnala	Barnala	S-NPP	30.37129	75.61132	14:19:00	D	10.90
39	Barnala	Barnala	S-NPP	30.37158	75.60851	14:19:00	D	22.50
40	Barnala	Barnala	S-NPP	30.38966	75.59496	12:39:26	D	2.90
41	Barnala	Barnala	S-NPP	30.40495	75.54963	14:19:00	D	3.10
42	Barnala	Barnala	S-NPP	30.41022	75.57748	12:39:26	D	5.90
43	Barnala	Barnala	S-NPP	30.41957	75.51614	12:39:26	D	13.10
44	Barnala	Barnala	S-NPP	30.42082	75.52102	12:39:26	D	12.20
45	Barnala	Barnala	S-NPP	30.42279	75.51393	12:39:26	D	5.50
46	Barnala	Barnala	S-NPP	30.42408	75.51880	12:39:26	D	5.50
47	Barnala	Mahal Kalan	S-NPP	30.48738	75.60489	14:19:00	D	9.50
48	Barnala	Mahal Kalan	S-NPP	30.48838	75.60334	14:19:00	D	11.30
49	Barnala	Mahal Kalan	S-NPP	30.49354	75.60445	14:19:00	D	4.30
50	Barnala	Sehna	S-NPP	30.33593	75.42429	14:19:00	D	4.70
51	Barnala	Sehna	S-NPP	30.33856	75.36650	14:19:00	D	3.60
52	Barnala	Sehna	S-NPP	30.33975	75.36891	14:19:00	D	4.30
53	Barnala	Sehna	S-NPP	30.34368	75.35049	14:19:00	D	6.40
54	Barnala	Sehna	S-NPP	30.34497	75.35287	14:19:00	D	4.50
55	Barnala	Sehna	S-NPP	30.36493	75.38280	14:19:00	D	3.90
56	Barnala	Sehna	S-NPP	30.37543	75.46709	12:39:26	D	3.80
57	Barnala	Sehna	S-NPP	30.47370	75.44340	12:39:26	D	2.10
58	Barnala	Sehna	S-NPP	30.47475	75.38031	14:19:00	D	4.00
59	Barnala	Sehna	S-NPP	30.50040	75.32637	12:39:26	D	3.80
60	Barnala	Sehna	S-NPP	30.50253	75.32700	12:39:26	D	3.80
61	Barnala	Sehna	S-NPP	30.50827	75.42657	14:19:00	D	4.60
62	Bathinda	Bathinda	S-NPP	30.12075	75.06246	12:39:26	D	2.70



63	Bathinda	Bathinda	S-NPP	30.12175	75.06483	12:39:26	D	4.40
64	Bathinda	Bathinda	S-NPP	30.15689	74.89064	14:19:00	D	6.10
65	Bathinda	Bathinda	S-NPP	30.18147	74.81140	14:19:00	D	6.60
66	Bathinda	Bathinda	S-NPP	30.18209	74.82096	14:19:00	D	4.60
67	Bathinda	Bathinda	S-NPP	30.19416	74.82487	14:19:00	D	8.80
68	Bathinda	Bathinda	S-NPP	30.19447	74.82967	14:19:00	D	13.80
69	Bathinda	Bathinda	S-NPP	30.20529	74.81439	14:19:00	D	4.00
70	Bathinda	Bathinda	S-NPP	30.21832	74.83266	14:19:00	D	2.20
71	Bathinda	Bhagta Bhai Ka	AQUA	30.55800	75.15800	13:33:49	D	26.20
72	Bathinda	Bhagta Bhai Ka	S-NPP	30.37644	75.16006	14:19:00	D	29.90
73	Bathinda	Bhagta Bhai Ka	S-NPP	30.37674	75.16512	14:19:00	D	45.70
74	Bathinda	Goniana Mandi	AQUA	30.34100	74.81900	13:33:49	D	21.80
75	Bathinda	Goniana Mandi	AQUA	30.34100	75.01600	13:33:49	D	38.20
76	Bathinda	Goniana Mandi	AQUA	30.39200	75.00200	13:33:49	D	16.40
77	Bathinda	Goniana Mandi	S-NPP	30.27928	74.82700	12:39:26	D	4.70
78	Bathinda	Goniana Mandi	S-NPP	30.27997	74.82701	12:39:26	D	3.90
79	Bathinda	Goniana Mandi	S-NPP	30.33355	74.84046	14:19:00	D	5.20
80	Bathinda	Goniana Mandi	S-NPP	30.33717	75.00220	14:19:00	D	3.50
81	Bathinda	Goniana Mandi	S-NPP	30.34002	75.00499	14:19:00	D	5.70
82	Bathinda	Goniana Mandi	S-NPP	30.36186	75.01530	14:19:00	D	11.10
83	Bathinda	Maur	S-NPP	30.03250	75.16287	14:19:00	D	3.00
84	Bathinda	Maur	S-NPP	30.03415	75.10356	12:39:26	D	5.00
85	Bathinda	Maur	S-NPP	30.13094	75.26167	14:19:00	D	4.70
86	Bathinda	Maur	S-NPP	30.13507	75.26185	14:19:00	D	4.10
87	Bathinda	Nathana	AQUA	30.15900	75.10300	13:33:49	D	40.20
88	Bathinda	Nathana	AQUA	30.16100	75.10700	13:33:49	D	33.20
89	Bathinda	Nathana	S-NPP	30.21074	75.05914	12:39:26	D	4.30
90	Bathinda	Nathana	S-NPP	30.28030	75.10429	14:19:00	D	5.60
91	Bathinda	Nathana	S-NPP	30.28060	75.10930	14:19:00	D	7.00
92	Bathinda	Nathana	S-NPP	30.34939	75.16958	12:39:26	D	3.10
93	Bathinda	Nathana	S-NPP	30.35065	75.16844	12:39:26	D	4.00
94	Bathinda	Nathana	S-NPP	30.35943	75.07549	14:19:00	D	4.00
95	Bathinda	Phul	S-NPP	30.29084	75.17935	14:19:00	D	10.80

96	Bathinda	Phul	S-NPP	30.29115	75.18441	14:19:00	D	10.80
97	Bathinda	Phul	S-NPP	30.33322	75.18134	14:19:00	D	9.80
98	Bathinda	Phul	S-NPP	30.33554	75.18343	14:19:00	D	13.40
99	Bathinda	Phul	S-NPP	30.33640	75.19865	14:19:00	D	6.90
100	Bathinda	Phul	S-NPP	30.34018	75.19610	14:19:00	D	7.60
101	Bathinda	Phul	S-NPP	30.40260	75.19376	14:19:00	D	7.80
102	Bathinda	Phul	S-NPP	30.42310	75.24902	12:39:26	D	15.90
103	Bathinda	Phul	S-NPP	30.43613	75.25005	12:39:26	D	8.30
104	Bathinda	Phul	S-NPP	30.44110	75.20744	14:19:00	D	2.70
105	Bathinda	Rampura	S-NPP	30.15180	75.23287	12:39:26	D	3.00
106	Bathinda	Rampura	S-NPP	30.17070	75.32035	14:19:00	D	5.20
107	Bathinda	Rampura	S-NPP	30.19726	75.25673	14:19:00	D	5.50
108	Bathinda	Rampura	S-NPP	30.23502	75.36874	14:19:00	D	4.10
109	Bathinda	Rampura	S-NPP	30.27969	75.29798	14:19:00	D	2.70
110	Bathinda	Sangat	S-NPP	30.04086	74.80893	14:19:00	D	3.00
111	Bathinda	Sangat	S-NPP	30.09118	74.76685	14:19:00	D	7.40
112	Bathinda	Sangat	S-NPP	30.12998	74.64919	14:19:00	D	2.60
113	Bathinda	Sangat	S-NPP	30.14954	74.68058	14:19:00	D	14.70
114	Bathinda	Talwandi Sabo	S-NPP	30.00945	75.08106	12:39:26	D	3.60
115	Bathinda	Talwandi Sabo	S-NPP	30.01624	75.10737	12:39:26	D	4.60
116	Bathinda	Talwandi Sabo	S-NPP	30.01627	75.10962	12:39:26	D	5.90
117	Faridkot	Faridkot	AQUA	30.61200	74.71800	13:33:49	D	14.50
118	Faridkot	Faridkot	S-NPP	30.65333	74.64766	14:19:00	D	2.30
119	Faridkot	Faridkot	S-NPP	30.66679	74.67532	14:19:00	D	3.20
120	Faridkot	Faridkot	S-NPP	30.68571	74.60229	14:19:00	D	9.50
121	Faridkot	Faridkot	S-NPP	30.68601	74.60703	14:19:00	D	18.40
122	Faridkot	Faridkot	S-NPP	30.69850	74.71137	14:19:00	D	3.30
123	Faridkot	Faridkot	S-NPP	30.69954	74.82286	14:19:00	D	6.40
124	Faridkot	Faridkot	S-NPP	30.70178	74.78008	12:39:26	D	4.40
125	Faridkot	Faridkot	S-NPP	30.70184	74.77995	12:39:26	D	3.70
126	Faridkot	Faridkot	S-NPP	30.70727	74.85168	14:19:00	D	3.60
127	Faridkot	Faridkot	S-NPP	30.70788	74.86149	14:19:00	D	5.70
128	Faridkot	Faridkot	S-NPP	30.71881	74.57764	14:19:00	D	2.00

129	Faridkot	Faridkot	S-NPP	30.77741	74.77291	12:39:26	D	4.40
130	Faridkot	Faridkot	S-NPP	30.77776	74.77499	14:19:00	D	12.30
131	Faridkot	Faridkot	S-NPP	30.77805	74.77983	14:19:00	D	12.30
132	Faridkot	Faridkot	S-NPP	30.77891	74.77608	12:39:26	D	4.00
133	Faridkot	Faridkot	S-NPP	30.79865	74.72962	14:19:00	D	4.60
134	Faridkot	Jaiton	AQUA	30.38400	75.02800	13:33:49	D	35.00
135	Faridkot	Jaiton	AQUA	30.44100	74.98100	13:33:49	D	27.60
136	Faridkot	Jaiton	AQUA	30.46100	74.82300	13:33:49	D	16.90
137	Faridkot	Jaiton	AQUA	30.46400	74.82700	13:33:49	D	24.80
138	Faridkot	Jaiton	AQUA	30.46600	74.84700	13:33:49	D	19.70
139	Faridkot	Jaiton	AQUA	30.52800	74.95100	13:33:49	D	34.00
140	Faridkot	Jaiton	S-NPP	30.38054	74.92969	14:19:00	D	2.00
141	Faridkot	Jaiton	S-NPP	30.39348	74.75852	14:19:00	D	5.50
142	Faridkot	Jaiton	S-NPP	30.39729	75.00766	14:19:00	D	3.40
143	Faridkot	Jaiton	S-NPP	30.40325	75.00722	14:19:00	D	22.00
144	Faridkot	Jaiton	S-NPP	30.40355	75.01216	14:19:00	D	23.60
145	Faridkot	Jaiton	S-NPP	30.40426	74.92793	14:19:00	D	6.80
146	Faridkot	Jaiton	S-NPP	30.40491	74.86136	12:39:26	D	5.90
147	Faridkot	Jaiton	S-NPP	30.40647	74.86893	14:19:00	D	6.40
148	Faridkot	Jaiton	S-NPP	30.41088	74.85929	12:39:26	D	5.70
149	Faridkot	Jaiton	S-NPP	30.42450	74.87245	14:19:00	D	13.10
150	Faridkot	Jaiton	S-NPP	30.42484	74.81946	14:19:00	D	5.80
151	Faridkot	Jaiton	S-NPP	30.42694	74.81876	14:19:00	D	4.80
152	Faridkot	Jaiton	S-NPP	30.42797	74.87283	14:19:00	D	23.80
153	Faridkot	Jaiton	S-NPP	30.42825	74.97222	12:39:26	D	3.70
154	Faridkot	Jaiton	S-NPP	30.43042	74.87201	14:19:00	D	11.70
155	Faridkot	Jaiton	S-NPP	30.44622	74.84157	14:19:00	D	4.10
156	Faridkot	Jaiton	S-NPP	30.44977	74.73724	12:39:26	D	5.70
157	Faridkot	Jaiton	S-NPP	30.44987	74.73450	12:39:26	D	6.90
158	Faridkot	Jaiton	S-NPP	30.45096	74.76360	12:39:26	D	1.70
159	Faridkot	Jaiton	S-NPP	30.45298	74.94403	14:19:00	D	1.50
160	Faridkot	Jaiton	S-NPP	30.45601	74.94446	14:19:00	D	2.20
161	Faridkot	Jaiton	S-NPP	30.46754	75.03812	14:19:00	D	3.00

162	Faridkot	Jaiton	S-NPP	30.50238	74.82809	14:19:00	D	9.40
163	Faridkot	Jaiton	S-NPP	30.55380	74.95594	12:39:26	D	2.80
164	Faridkot	Kot Kapura	AQUA	30.57000	74.89100	13:33:49	D	16.70
165	Faridkot	Kot Kapura	AQUA	30.57400	74.91400	13:33:49	D	28.10
166	Faridkot	Kot Kapura	AQUA	30.57700	74.93000	13:33:49	D	48.80
167	Faridkot	Kot Kapura	AQUA	30.57900	74.93700	13:33:49	D	29.60
168	Faridkot	Kot Kapura	AQUA	30.58900	74.73000	13:33:49	D	15.50
169	Faridkot	Kot Kapura	AQUA	30.60200	74.72600	13:33:49	D	26.00
170	Faridkot	Kot Kapura	S-NPP	30.51769	74.71498	14:19:00	D	4.10
171	Faridkot	Kot Kapura	S-NPP	30.51878	74.71577	14:19:00	D	2.90
172	Faridkot	Kot Kapura	S-NPP	30.53009	74.82526	14:19:00	D	9.80
173	Faridkot	Kot Kapura	S-NPP	30.53037	74.83013	14:19:00	D	21.80
174	Faridkot	Kot Kapura	S-NPP	30.53188	74.82590	14:19:00	D	10.50
175	Faridkot	Kot Kapura	S-NPP	30.53220	74.83076	14:19:00	D	10.50
176	Faridkot	Kot Kapura	S-NPP	30.54642	74.71186	12:39:26	D	7.50
177	Faridkot	Kot Kapura	S-NPP	30.55461	74.90997	12:39:26	D	10.10
178	Faridkot	Kot Kapura	S-NPP	30.55599	74.91521	12:39:26	D	10.10
179	Faridkot	Kot Kapura	S-NPP	30.59009	74.93370	14:19:00	D	2.80
180	Faridkot	Kot Kapura	S-NPP	30.59664	74.94314	14:19:00	D	3.70
181	Faridkot	Kot Kapura	S-NPP	30.60258	74.94469	12:39:26	D	3.60
182	Faridkot	Kot Kapura	S-NPP	30.60308	74.94659	12:39:26	D	6.00
183	Faridkot	Kot Kapura	S-NPP	30.66080	74.87002	14:19:00	D	6.90
184	Faridkot	Kot Kapura	S-NPP	30.66672	74.86958	14:19:00	D	6.90
185	Fatehgarh Sahib	Sirhind	AQUA	30.54500	76.35300	13:33:49	D	18.30
186	Fatehgarh Sahib	Sirhind	S-NPP	30.46692	76.35232	14:19:00	D	9.90
187	Fatehgarh Sahib	Sirhind	S-NPP	30.50415	76.45156	12:39:26	D	3.50
188	Fatehgarh Sahib	Sirhind	S-NPP	30.53420	76.38083	12:39:26	D	4.50
189	Fatehgarh Sahib	Sirhind	S-NPP	30.53642	76.38036	12:39:26	D	2.80
190	Fazilka	Abohar	S-NPP	30.09593	74.29943	14:19:00	D	5.60
191	Fazilka	Abohar	S-NPP	30.11106	74.26180	12:39:26	D	3.70
192	Fazilka	Abohar	S-NPP	30.19256	74.26440	14:19:00	D	4.60
193	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.30793	74.15804	14:19:00	D	7.70
194	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.31344	74.24180	14:19:00	D	13.80

195	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.31374	74.24623	14:19:00	D	13.50
196	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.34191	74.23944	14:19:00	D	3.00
197	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.35619	74.11449	14:19:00	D	2.20
198	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.38943	74.18225	14:19:00	D	3.00
199	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.39885	74.23476	14:19:00	D	4.70
200	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.39953	74.16375	14:19:00	D	3.70
201	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.40044	74.23460	14:19:00	D	5.30
202	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.40047	74.17692	14:19:00	D	7.30
203	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.40072	74.23904	14:19:00	D	6.40
204	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.40155	74.16348	14:19:00	D	3.50
205	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.40241	74.17667	14:19:00	D	8.60
206	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.40437	74.17138	12:39:26	D	2.40
207	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.43382	74.13426	14:19:00	D	3.00
208	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.44215	74.17337	14:19:00	D	4.10
209	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.44694	74.15970	14:19:00	D	3.50
210	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.44871	74.10219	14:19:00	D	3.70
211	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.45291	74.16364	14:19:00	D	4.70
212	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.45858	74.16316	14:19:00	D	4.70
213	Fazilka	Fazilka	AQUA	30.42900	73.97600	13:33:49	D	37.40
214	Fazilka	Fazilka	S-NPP	30.31282	74.06136	14:19:00	D	3.70
215	Fazilka	Fazilka	S-NPP	30.37131	73.96104	14:19:00	D	3.40
216	Fazilka	Fazilka	S-NPP	30.37382	73.91376	14:19:00	D	3.70
217	Fazilka	Fazilka	S-NPP	30.37410	73.91798	14:19:00	D	4.50
218	Fazilka	Fazilka	S-NPP	30.37522	73.93497	14:19:00	D	9.10
219	Fazilka	Fazilka	S-NPP	30.37582	73.91390	14:19:00	D	3.10
220	Fazilka	Fazilka	S-NPP	30.37613	73.91813	14:19:00	D	4.50
221	Fazilka	Fazilka	S-NPP	30.37737	73.93510	14:19:00	D	9.20
222	Fazilka	Fazilka	S-NPP	30.37942	74.12135	14:19:00	D	6.10
223	Fazilka	Fazilka	S-NPP	30.38144	74.11668	14:19:00	D	5.50
224	Fazilka	Fazilka	S-NPP	30.38371	73.91644	12:39:26	D	3.40
225	Fazilka	Fazilka	S-NPP	30.38653	74.10744	14:19:00	D	2.50
226	Fazilka	Fazilka	S-NPP	30.39487	73.97623	14:19:00	D	6.40
227	Fazilka	Fazilka	S-NPP	30.39875	73.95007	14:19:00	D	3.10

228	Fazilka	Fazilka	S-NPP	30.41395	73.95172	12:39:26	D	4.10
229	Fazilka	Fazilka	S-NPP	30.41819	73.98717	14:19:00	D	51.40
230	Fazilka	Fazilka	S-NPP	30.41848	73.99148	14:19:00	D	29.00
231	Fazilka	Fazilka	S-NPP	30.42380	73.98671	14:19:00	D	51.40
232	Fazilka	Fazilka	S-NPP	30.42410	73.99100	14:19:00	D	29.00
233	Fazilka	Fazilka	S-NPP	30.43031	73.99914	14:19:00	D	25.20
234	Fazilka	Fazilka	S-NPP	30.43116	74.09488	14:19:00	D	16.10
235	Fazilka	Fazilka	S-NPP	30.43119	74.01207	14:19:00	D	10.60
236	Fazilka	Fazilka	S-NPP	30.43356	74.04663	14:19:00	D	11.00
237	Fazilka	Fazilka	S-NPP	30.43681	74.09441	14:19:00	D	6.50
238	Fazilka	Fazilka	S-NPP	30.44574	74.14210	14:19:00	D	3.90
239	Fazilka	Fazilka	S-NPP	30.44716	73.99772	14:19:00	D	9.10
240	Fazilka	Fazilka	S-NPP	30.44746	74.00203	14:19:00	D	9.10
241	Fazilka	Fazilka	S-NPP	30.44887	73.94150	14:19:00	D	4.90
242	Fazilka	Fazilka	S-NPP	30.45127	73.97574	14:19:00	D	6.90
243	Fazilka	Fazilka	S-NPP	30.45158	73.98003	14:19:00	D	8.80
244	Fazilka	Fazilka	S-NPP	30.45278	73.99725	14:19:00	D	3.50
245	Fazilka	Fazilka	S-NPP	30.45308	74.00155	14:19:00	D	3.50
246	Fazilka	Fazilka	S-NPP	30.45506	74.00234	12:39:26	D	4.20
247	Fazilka	Fazilka	S-NPP	30.47286	74.12220	14:19:00	D	2.70
248	Fazilka	Fazilka	S-NPP	30.48092	74.02808	14:19:00	D	1.80
249	Fazilka	Fazilka	S-NPP	30.48400	74.07589	14:19:00	D	3.50
250	Fazilka	Fazilka	S-NPP	30.48540	74.09772	14:19:00	D	3.80
251	Fazilka	Fazilka	S-NPP	30.48597	74.10646	14:19:00	D	12.90
252	Fazilka	Fazilka	S-NPP	30.48674	74.07711	14:19:00	D	6.50
253	Fazilka	Fazilka	S-NPP	30.48829	74.09892	14:19:00	D	7.30
254	Fazilka	Fazilka	S-NPP	30.48965	74.07540	14:19:00	D	3.50
255	Fazilka	Fazilka	S-NPP	30.49106	74.09724	14:19:00	D	3.80
256	Fazilka	Fazilka	S-NPP	30.49270	74.08099	14:19:00	D	6.90
257	Fazilka	Fazilka	S-NPP	30.49530	74.07492	14:19:00	D	7.80
258	Fazilka	Fazilka	S-NPP	30.49558	74.07927	14:19:00	D	7.80
259	Fazilka	Fazilka	S-NPP	30.49773	74.07185	14:19:00	D	7.90
260	Fazilka	Fazilka	S-NPP	30.49804	74.07617	14:19:00	D	7.90

261	Fazilka	Fazilka	S-NPP	30.50602	74.06524	14:19:00	D	6.40
262	Fazilka	Guruhar Sahai	AQUA	30.63300	74.31700	13:33:49	D	80.00
263	Fazilka	Guruhar Sahai	AQUA	30.63900	74.32300	13:33:49	D	66.80
264	Fazilka	Guruhar Sahai	AQUA	30.63900	74.34200	13:33:49	D	19.50
265	Fazilka	Guruhar Sahai	AQUA	30.67500	74.25100	13:33:49	D	27.60
266	Fazilka	Guruhar Sahai	AQUA	30.67800	74.33100	13:33:49	D	26.00
267	Fazilka	Guruhar Sahai	AQUA	30.68400	74.35600	13:33:49	D	31.60
268	Fazilka	Guruhar Sahai	S-NPP	30.55768	74.32877	14:19:00	D	4.00
269	Fazilka	Guruhar Sahai	S-NPP	30.58154	74.34051	14:19:00	D	4.70
270	Fazilka	Guruhar Sahai	S-NPP	30.60480	74.34320	14:19:00	D	4.60
271	Fazilka	Guruhar Sahai	S-NPP	30.63361	74.33189	14:19:00	D	10.10
272	Fazilka	Guruhar Sahai	S-NPP	30.63506	74.35463	14:19:00	D	1.20
273	Fazilka	Jalalabad	AQUA	30.50000	74.20100	13:33:49	D	64.80
274	Fazilka	Jalalabad	AQUA	30.50100	74.17800	13:33:49	D	37.20
275	Fazilka	Jalalabad	AQUA	30.50400	74.09000	13:33:49	D	21.50
276	Fazilka	Jalalabad	AQUA	30.50700	74.20400	13:33:49	D	52.50
277	Fazilka	Jalalabad	AQUA	30.50900	74.11600	13:33:49	D	17.60
278	Fazilka	Jalalabad	AQUA	30.54200	74.30200	13:33:49	D	13.30
279	Fazilka	Jalalabad	S-NPP	30.46432	74.33292	14:19:00	D	8.10
280	Fazilka	Jalalabad	S-NPP	30.47500	74.15298	14:19:00	D	2.80
281	Fazilka	Jalalabad	S-NPP	30.47744	74.15139	14:19:00	D	2.90
282	Fazilka	Jalalabad	S-NPP	30.47908	74.29562	14:19:00	D	5.60
283	Fazilka	Jalalabad	S-NPP	30.48171	74.12888	14:19:00	D	2.20
284	Fazilka	Jalalabad	S-NPP	30.48480	74.13005	14:19:00	D	4.70
285	Fazilka	Jalalabad	S-NPP	30.48480	74.29517	14:19:00	D	9.60
286	Fazilka	Jalalabad	S-NPP	30.48589	74.22767	14:19:00	D	3.10
287	Fazilka	Jalalabad	S-NPP	30.49160	74.19463	14:19:00	D	3.60
288	Fazilka	Jalalabad	S-NPP	30.49862	74.16432	14:19:00	D	3.70
289	Fazilka	Jalalabad	S-NPP	30.49893	74.16872	14:19:00	D	13.60
290	Fazilka	Jalalabad	S-NPP	30.49924	74.17313	14:19:00	D	13.60
291	Fazilka	Jalalabad	S-NPP	30.49983	74.23415	14:19:00	D	4.20
292	Fazilka	Jalalabad	S-NPP	30.50098	74.16269	14:19:00	D	11.50
293	Fazilka	Jalalabad	S-NPP	30.50155	74.17153	14:19:00	D	31.70

294	Fazilka	Jalalabad	S-NPP	30.50330	74.23074	14:19:00	D	16.00
295	Fazilka	Jalalabad	S-NPP	30.50361	74.23519	14:19:00	D	16.00
296	Fazilka	Jalalabad	S-NPP	30.50525	74.22922	14:19:00	D	10.10
297	Fazilka	Jalalabad	S-NPP	30.50582	74.23814	14:19:00	D	11.20
298	Fazilka	Jalalabad	S-NPP	30.50649	74.19476	14:19:00	D	29.30
299	Fazilka	Jalalabad	S-NPP	30.50680	74.19919	14:19:00	D	29.30
300	Fazilka	Jalalabad	S-NPP	30.50895	74.19762	14:19:00	D	54.00
301	Fazilka	Jalalabad	S-NPP	30.51123	74.23320	14:19:00	D	11.20
302	Fazilka	Jalalabad	S-NPP	30.51151	74.26600	14:19:00	D	3.20
303	Fazilka	Jalalabad	S-NPP	30.51324	74.26450	14:19:00	D	3.40
304	Fazilka	Jalalabad	S-NPP	30.51693	74.23273	14:19:00	D	3.50
305	Fazilka	Jalalabad	S-NPP	30.52069	74.38194	14:19:00	D	2.80
306	Fazilka	Jalalabad	S-NPP	30.53534	74.16425	14:19:00	D	3.00
307	Fazilka	Jalalabad	S-NPP	30.54343	74.11481	14:19:00	D	4.10
308	Fazilka	Jalalabad	S-NPP	30.55178	74.15399	14:19:00	D	12.00
309	Fazilka	Jalalabad	S-NPP	30.55297	74.17168	14:19:00	D	4.50
310	Fazilka	Jalalabad	S-NPP	30.55500	74.28817	14:19:00	D	8.00
311	Fazilka	Jalalabad	S-NPP	30.56015	74.19337	14:19:00	D	6.30
312	Fazilka	Jalalabad	S-NPP	30.56073	74.28770	14:19:00	D	8.00
313	Fazilka	Jalalabad	S-NPP	30.56674	74.20621	14:19:00	D	2.10
314	Fazilka	Jalalabad	S-NPP	30.56760	74.13493	14:19:00	D	1.50
315	Fazilka	Jalalabad	S-NPP	30.58179	74.25890	14:19:00	D	1.90
316	Fazilka	Jalalabad	S-NPP	30.58261	74.18704	14:19:00	D	7.10
317	Fazilka	Jalalabad	S-NPP	30.58291	74.19148	14:19:00	D	10.50
318	Fazilka	Jalalabad	S-NPP	30.58425	74.18693	14:19:00	D	7.10
319	Fazilka	Jalalabad	S-NPP	30.58452	74.19138	14:19:00	D	9.90
320	Fazilka	Jalalabad	S-NPP	30.58543	74.22476	12:39:26	D	8.70
321	Fazilka	Jalalabad	S-NPP	30.59398	74.18612	14:19:00	D	3.50
322	Fazilka	Jalalabad	S-NPP	30.59563	74.18597	14:19:00	D	3.00
323	Fazilka	Jalalabad	S-NPP	30.60474	74.14956	14:19:00	D	3.50
324	Fazilka	Jalalabad	S-NPP	30.60886	74.15374	14:19:00	D	4.40
325	Fazilka	Jalalabad	S-NPP	30.61070	74.15350	14:19:00	D	4.90
326	Fazilka	Jalalabad	S-NPP	30.61449	74.23372	14:19:00	D	11.90



327	Fazilka	Jalalabad	S-NPP	30.61481	74.23819	14:19:00	D	11.90
328	Fazilka	Jalalabad	S-NPP	30.61584	74.23360	14:19:00	D	12.70
329	Fazilka	Jalalabad	S-NPP	30.61612	74.23808	14:19:00	D	12.70
330	Fazilka	Jalalabad	S-NPP	30.61839	74.18407	14:19:00	D	3.10
331	Fazilka	Jalalabad	S-NPP	30.62063	74.13044	14:19:00	D	11.70
332	Fazilka	Jalalabad	S-NPP	30.62091	74.13486	14:19:00	D	20.50
333	Fazilka	Jalalabad	S-NPP	30.62977	74.18311	14:19:00	D	6.40
334	Fazilka	Jalalabad	S-NPP	30.63122	74.20537	14:19:00	D	5.40
335	Fazilka	Khuian Sarwar	S-NPP	30.19452	74.03615	14:19:00	D	3.00
336	Fazilka	Khuian Sarwar	S-NPP	30.24038	74.04520	14:19:00	D	2.40
337	Fazilka	Khuian Sarwar	S-NPP	30.26268	74.07432	14:19:00	D	4.30
338	Fazilka	Khuian Sarwar	S-NPP	30.32704	74.10379	14:19:00	D	5.10
339	Fazilka	Khuian Sarwar	S-NPP	30.32824	74.03835	14:19:00	D	2.30
340	Fazilka	Khuian Sarwar	S-NPP	30.33386	74.03786	14:19:00	D	2.30
341	Firozpur	Firozpur	AQUA	30.90900	74.53800	13:33:49	D	14.30
342	Firozpur	Firozpur	S-NPP	30.83607	74.59771	14:19:00	D	1.60
343	Firozpur	Firozpur	S-NPP	30.83726	74.59698	14:19:00	D	3.40
344	Firozpur	Firozpur	S-NPP	30.90745	74.52089	14:19:00	D	5.20
345	Firozpur	Firozpur	S-NPP	30.90776	74.52559	14:19:00	D	9.70
346	Firozpur	Firozpur	S-NPP	30.99218	74.66653	14:19:00	D	8.30
347	Firozpur	Firozpur	S-NPP	30.99248	74.67134	14:19:00	D	8.30
348	Firozpur	Firozpur	S-NPP	31.01942	74.63068	14:19:00	D	10.20
349	Firozpur	Firozpur	S-NPP	31.02366	74.69809	14:19:00	D	4.50
350	Firozpur	Firozpur	S-NPP	31.02382	74.79600	14:19:00	D	4.20
351	Firozpur	Firozpur	S-NPP	31.03382	74.76576	14:19:00	D	9.20
352	Firozpur	Ghall Khurd	AQUA	30.82600	74.72000	13:33:49	D	18.00
353	Firozpur	Ghall Khurd	AQUA	30.82900	74.72400	13:33:49	D	14.20
354	Firozpur	Ghall Khurd	AQUA	30.99200	74.74000	13:33:49	D	25.10
355	Firozpur	Ghall Khurd	S-NPP	30.80997	74.81660	14:19:00	D	2.30
356	Firozpur	Ghall Khurd	S-NPP	30.85625	74.94847	12:39:26	D	2.00
357	Firozpur	Guruhar Sahai	AQUA	30.72000	74.28700	13:33:49	D	64.10
358	Firozpur	Guruhar Sahai	AQUA	30.72600	74.29000	13:33:49	D	69.10
359	Firozpur	Guruhar Sahai	S-NPP	30.65377	74.37601	14:19:00	D	2.20

360	Firozpur	Guruhar Sahai	S-NPP	30.67183	74.47643	14:19:00	D	10.00
361	Firozpur	Guruhar Sahai	S-NPP	30.67472	74.25581	14:19:00	D	3.30
362	Firozpur	Guruhar Sahai	S-NPP	30.68070	74.43385	14:19:00	D	16.30
363	Firozpur	Guruhar Sahai	S-NPP	30.68100	74.43846	14:19:00	D	22.90
364	Firozpur	Guruhar Sahai	S-NPP	30.68111	74.43156	12:39:26	D	2.00
365	Firozpur	Guruhar Sahai	S-NPP	30.69797	74.32793	14:19:00	D	3.40
366	Firozpur	Guruhar Sahai	S-NPP	30.69951	74.36777	14:19:00	D	4.50
367	Firozpur	Guruhar Sahai	S-NPP	30.70019	74.36442	14:19:00	D	2.70
368	Firozpur	Guruhar Sahai	S-NPP	30.70047	74.36900	14:19:00	D	2.70
369	Firozpur	Guruhar Sahai	S-NPP	30.70176	74.23107	14:19:00	D	4.10
370	Firozpur	Guruhar Sahai	S-NPP	30.70329	74.22752	14:19:00	D	3.80
371	Firozpur	Guruhar Sahai	S-NPP	30.70871	74.24856	14:19:00	D	4.10
372	Firozpur	Guruhar Sahai	S-NPP	30.71041	74.24954	14:19:00	D	5.40
373	Firozpur	Guruhar Sahai	S-NPP	30.71505	74.25710	14:19:00	D	6.20
374	Firozpur	Guruhar Sahai	S-NPP	30.71641	74.25358	14:19:00	D	7.20
375	Firozpur	Guruhar Sahai	S-NPP	30.72316	74.37508	14:19:00	D	7.70
376	Firozpur	Guruhar Sahai	S-NPP	30.72347	74.37966	14:19:00	D	11.10
377	Firozpur	Guruhar Sahai	S-NPP	30.72407	74.37627	14:19:00	D	10.20
378	Firozpur	Guruhar Sahai	S-NPP	30.72899	74.27069	14:19:00	D	13.70
379	Firozpur	Guruhar Sahai	S-NPP	30.72956	74.27972	14:19:00	D	23.30
380	Firozpur	Guruhar Sahai	S-NPP	30.77501	74.35831	14:19:00	D	8.40
381	Firozpur	Guruhar Sahai	S-NPP	30.77532	74.36291	14:19:00	D	8.40
382	Firozpur	Makhu	AQUA	31.05700	74.86200	13:33:49	D	26.50
383	Firozpur	Makhu	AQUA	31.07100	74.93000	13:33:49	D	16.40
384	Firozpur	Makhu	S-NPP	31.05030	74.96474	12:39:26	D	7.40
385	Firozpur	Makhu	S-NPP	31.05519	75.09158	14:19:00	D	5.80
386	Firozpur	Makhu	S-NPP	31.05712	74.85296	14:19:00	D	5.00
387	Firozpur	Makhu	S-NPP	31.06005	74.85350	14:19:00	D	5.60
388	Firozpur	Makhu	S-NPP	31.06201	75.02863	14:19:00	D	3.90
389	Firozpur	Makhu	S-NPP	31.06388	75.02948	14:19:00	D	4.40
390	Firozpur	Makhu	S-NPP	31.06679	74.97340	14:19:00	D	2.80
391	Firozpur	Makhu	S-NPP	31.07206	75.09450	14:19:00	D	4.70
392	Firozpur	Makhu	S-NPP	31.08068	75.11556	14:19:00	D	6.40

393	Firozpur	Makhu	S-NPP	31.08527	75.00596	12:39:26	D	5.70
394	Firozpur	Makhu	S-NPP	31.08536	75.11422	14:19:00	D	8.50
395	Firozpur	Makhu	S-NPP	31.08568	75.11934	14:19:00	D	10.80
396	Firozpur	Makhu	S-NPP	31.08671	75.11515	14:19:00	D	6.40
397	Firozpur	Makhu	S-NPP	31.08721	75.00720	12:39:26	D	5.00
398	Firozpur	Makhu	S-NPP	31.09111	75.00390	12:39:26	D	2.80
399	Firozpur	Makhu	S-NPP	31.09617	75.06807	14:19:00	D	5.10
400	Firozpur	Makhu	S-NPP	31.09698	74.97623	14:19:00	D	4.90
401	Firozpur	Makhu	S-NPP	31.10296	74.97580	14:19:00	D	4.90
402	Firozpur	Makhu	S-NPP	31.12391	74.92382	14:19:00	D	5.30
403	Firozpur	Makhu	S-NPP	31.12480	74.93885	14:19:00	D	8.20
404	Firozpur	Makhu	S-NPP	31.12743	75.08642	14:19:00	D	3.00
405	Firozpur	Mamdot	AQUA	30.80400	74.42100	13:33:49	D	13.90
406	Firozpur	Mamdot	AQUA	30.86800	74.47300	13:33:49	D	22.20
407	Firozpur	Mamdot	AQUA	30.87200	74.47900	13:33:49	D	29.40
408	Firozpur	Mamdot	S-NPP	30.81022	74.45810	14:19:00	D	4.50
409	Firozpur	Mamdot	S-NPP	30.81084	74.46218	14:19:00	D	3.70
410	Firozpur	Mamdot	S-NPP	30.82294	74.38223	14:19:00	D	4.00
411	Firozpur	Mamdot	S-NPP	30.82310	74.38261	14:19:00	D	3.70
412	Firozpur	Mamdot	S-NPP	30.83719	74.42321	14:19:00	D	6.10
413	Firozpur	Mamdot	S-NPP	30.83729	74.42282	14:19:00	D	5.00
414	Firozpur	Mamdot	S-NPP	30.83761	74.42745	14:19:00	D	5.20
415	Firozpur	Mamdot	S-NPP	30.84298	74.42276	14:19:00	D	5.40
416	Firozpur	Mamdot	S-NPP	30.85135	74.46414	14:19:00	D	11.00
417	Firozpur	Mamdot	S-NPP	30.86610	74.42090	14:19:00	D	3.20
418	Firozpur	Mamdot	S-NPP	30.86786	74.44878	14:19:00	D	7.30
419	Firozpur	Mamdot	S-NPP	30.87366	74.44833	14:19:00	D	7.30
420	Firozpur	Zira	AQUA	30.93100	75.02900	13:33:49	D	18.80
421	Firozpur	Zira	AQUA	30.93600	75.05100	13:33:49	D	21.10
422	Firozpur	Zira	AQUA	30.97000	75.08100	13:33:49	D	21.80
423	Firozpur	Zira	AQUA	30.97000	75.08800	13:33:49	D	14.70
424	Firozpur	Zira	AQUA	30.97600	74.98500	13:33:49	D	71.00
425	Firozpur	Zira	AQUA	30.97700	74.99200	13:33:49	D	114.10

426	Firozpur	Zira	AQUA	30.98100	75.00800	13:33:49	D	53.10
427	Firozpur	Zira	S-NPP	30.92796	74.85184	12:39:26	D	4.50
428	Firozpur	Zira	S-NPP	30.92824	74.84832	12:39:26	D	4.20
429	Firozpur	Zira	S-NPP	30.94032	75.04791	14:19:00	D	7.10
430	Firozpur	Zira	S-NPP	30.97821	75.07587	14:19:00	D	3.30
431	Firozpur	Zira	S-NPP	30.97850	74.83390	14:19:00	D	10.40
432	Firozpur	Zira	S-NPP	30.97916	75.09115	14:19:00	D	3.30
433	Firozpur	Zira	S-NPP	30.98035	75.07533	14:19:00	D	2.80
434	Firozpur	Zira	S-NPP	30.98120	75.09065	14:19:00	D	4.10
435	Firozpur	Zira	S-NPP	30.98517	75.09074	14:19:00	D	3.30
436	Firozpur	Zira	S-NPP	30.98644	75.01844	12:39:26	D	4.50
437	Firozpur	Zira	S-NPP	31.01945	75.09498	12:39:26	D	4.80
438	Firozpur	Zira	S-NPP	31.03293	75.04599	14:19:00	D	10.30
439	Firozpur	Zira	S-NPP	31.04481	74.94382	14:19:00	D	8.40
440	Firozpur	Zira	S-NPP	31.04999	74.96848	12:39:26	D	5.70
441	Hoshiarpur	Tanda	S-NPP	31.73771	75.61325	12:39:26	D	2.10
442	Jalandhar	Bhogpur	S-NPP	31.59918	75.62094	12:39:26	D	3.40
443	Jalandhar	Jalandhar East	S-NPP	31.23046	75.70322	14:19:00	D	3.40
444	Jalandhar	Lohian	S-NPP	31.09520	75.17567	14:19:00	D	5.70
445	Jalandhar	Lohian	S-NPP	31.09617	75.17669	14:19:00	D	7.30
446	Jalandhar	Lohian	S-NPP	31.13720	75.14803	12:39:26	D	3.20
447	Jalandhar	Lohian	S-NPP	31.13823	75.16853	14:19:00	D	5.60
448	Jalandhar	Mehatpur	S-NPP	31.02342	75.41302	14:19:00	D	8.30
449	Jalandhar	Mehatpur	S-NPP	31.02371	75.41838	14:19:00	D	13.40
450	Jalandhar	Rurka Kalan	S-NPP	31.08817	75.68890	12:39:26	D	2.40
451	Jalandhar	Rurka Kalan	S-NPP	31.09701	75.77097	12:39:26	D	2.20
452	Jalandhar	Rurka Kalan	S-NPP	31.19619	75.68044	14:19:00	D	4.80
453	Jalandhar	Rurka Kalan	S-NPP	31.19805	75.68273	14:19:00	D	7.20
454	Jalandhar	Shahkot	S-NPP	31.07691	75.27635	14:19:00	D	4.70
455	Jalandhar	Shahkot	S-NPP	31.07722	75.28160	14:19:00	D	4.70
456	Jalandhar	Shahkot	S-NPP	31.07728	75.27766	14:19:00	D	10.10
457	Kapurthala	Dhilwan	S-NPP	31.40478	75.25288	12:39:26	D	6.70
458	Kapurthala	Dhilwan	S-NPP	31.40759	75.26429	14:19:00	D	5.30

459	Kapurthala	Dhilwan	S-NPP	31.40842	75.26687	14:19:00	D	7.50
460	Kapurthala	Dhilwan	S-NPP	31.42965	75.22842	12:39:26	D	5.40
461	Kapurthala	Dhilwan	S-NPP	31.43367	75.28113	14:19:00	D	6.50
462	Kapurthala	Kapurthala	S-NPP	31.34931	75.31627	14:19:00	D	15.80
463	Kapurthala	Kapurthala	S-NPP	31.40586	75.33934	14:19:00	D	2.50
464	Kapurthala	Kapurthala	S-NPP	31.40623	75.34202	14:19:00	D	3.70
465	Kapurthala	Phagwara	S-NPP	31.28380	75.78230	12:39:26	D	2.70
466	Kapurthala	Phagwara	S-NPP	31.28452	75.78287	12:39:26	D	2.30
467	Kapurthala	Sultanpur Lodhi	S-NPP	31.18298	75.18356	14:19:00	D	5.90
468	Kapurthala	Sultanpur Lodhi	S-NPP	31.18756	75.18082	14:19:00	D	7.90
469	Kapurthala	Sultanpur Lodhi	S-NPP	31.18787	75.18601	14:19:00	D	17.40
470	Kapurthala	Sultanpur Lodhi	S-NPP	31.18903	75.18314	14:19:00	D	7.40
471	Kapurthala	Sultanpur Lodhi	S-NPP	31.20922	75.10882	14:19:00	D	4.70
472	Kapurthala	Sultanpur Lodhi	S-NPP	31.22460	75.13029	12:39:26	D	1.50
473	Kapurthala	Sultanpur Lodhi	S-NPP	31.24900	75.16846	14:19:00	D	5.10
474	Kapurthala	Sultanpur Lodhi	S-NPP	31.32230	75.15932	14:19:00	D	4.20
475	Ludhiana	Dehlon	S-NPP	30.76486	75.86221	12:39:26	D	3.40
476	Ludhiana	Dehlon	S-NPP	30.76560	75.86325	12:39:26	D	7.80
477	Ludhiana	Dehlon	S-NPP	30.76602	75.86681	12:39:26	D	3.40
478	Ludhiana	Jagraon	S-NPP	30.70182	75.48386	14:19:00	D	18.70
479	Ludhiana	Jagraon	S-NPP	30.70212	75.48921	14:19:00	D	18.70
480	Ludhiana	Ludhiana 1	AQUA	30.82600	75.74000	13:33:49	D	20.70
481	Ludhiana	Ludhiana 2	AQUA	30.95600	76.01400	13:33:49	D	20.00
482	Ludhiana	Ludhiana 2	S-NPP	30.96704	76.00725	12:39:26	D	3.70
483	Ludhiana	Ludhiana 2	S-NPP	30.97266	75.95040	14:19:00	D	4.30
484	Ludhiana	Ludhiana 2	S-NPP	30.97296	75.95615	14:19:00	D	4.30
485	Ludhiana	Maloud	S-NPP	30.62883	75.92760	12:39:26	D	1.90
486	Ludhiana	Maloud	S-NPP	30.67157	75.92095	14:19:00	D	3.90
487	Ludhiana	Pakhowal	S-NPP	30.70164	75.68777	12:39:26	D	21.00
488	Ludhiana	Pakhowal	S-NPP	30.70199	75.68617	12:39:26	D	18.50
489	Ludhiana	Pakhowal	S-NPP	30.70319	75.69090	12:39:26	D	18.90
490	Ludhiana	Pakhowal	S-NPP	30.72459	75.77540	12:39:26	D	3.90
491	Ludhiana	Pakhowal	S-NPP	30.72477	75.77666	12:39:26	D	3.20

492	Ludhiana	Pakhowal	S-NPP	30.73189	75.81146	14:19:00	D	13.00
493	Ludhiana	Pakhowal	S-NPP	30.74379	75.79947	14:19:00	D	5.20
494	Ludhiana	Pakhowal	S-NPP	30.79666	75.77145	14:19:00	D	4.60
495	Ludhiana	Raikot	AQUA	30.63300	75.52400	13:33:49	D	34.30
496	Ludhiana	Raikot	S-NPP	30.61695	75.66880	12:39:26	D	4.10
497	Ludhiana	Raikot	S-NPP	30.64493	75.66534	14:19:00	D	4.80
498	Malerkotla	Amargarh	S-NPP	30.49777	76.04635	14:19:00	D	2.00
499	Malerkotla	Malerkotla	S-NPP	30.46474	75.83834	12:39:26	D	6.20
500	Malerkotla	Malerkotla	S-NPP	30.55770	75.86560	14:19:00	D	3.60
501	Mansa	Bhikhi	S-NPP	30.06790	75.56943	14:19:00	D	6.90
502	Mansa	Bhikhi	S-NPP	30.10829	75.58974	12:39:26	D	9.90
503	Mansa	Bhikhi	S-NPP	30.10955	75.59465	12:39:26	D	9.90
504	Mansa	Bhikhi	S-NPP	30.11106	75.59036	12:39:26	D	16.30
505	Mansa	Bhikhi	S-NPP	30.11776	75.47581	14:19:00	D	7.10
506	Mansa	Bhikhi	S-NPP	30.19127	75.46500	14:19:00	D	4.40
507	Mansa	Budhlada	S-NPP	29.80235	75.43053	12:39:26	D	3.90
508	Mansa	Sardulgarh	S-NPP	29.74270	75.38125	14:19:00	D	4.90
509	Moga	Bagha Purana	TERRA	30.56900	74.95600	11:14:48	D	19.40
510	Moga	Bagha Purana	AQUA	30.60300	75.11500	13:33:49	D	22.60
511	Moga	Bagha Purana	AQUA	30.60500	74.99500	13:33:49	D	16.10
512	Moga	Bagha Purana	AQUA	30.68600	74.94300	13:33:49	D	21.10
513	Moga	Bagha Purana	AQUA	30.68800	74.94700	13:33:49	D	25.20
514	Moga	Bagha Purana	AQUA	30.69100	74.96600	13:33:49	D	19.40
515	Moga	Bagha Purana	AQUA	30.70700	75.10400	13:33:49	D	22.40
516	Moga	Bagha Purana	S-NPP	30.53862	75.07771	14:19:00	D	30.40
517	Moga	Bagha Purana	S-NPP	30.54202	75.07796	14:19:00	D	34.70
518	Moga	Bagha Purana	S-NPP	30.57433	74.96019	12:39:26	D	3.90
519	Moga	Bagha Purana	S-NPP	30.57433	74.96966	14:19:00	D	7.20
520	Moga	Bagha Purana	S-NPP	30.57463	74.97462	14:19:00	D	17.50
521	Moga	Bagha Purana	S-NPP	30.58713	74.98366	14:19:00	D	6.40
522	Moga	Bagha Purana	S-NPP	30.59309	74.98323	14:19:00	D	6.40
523	Moga	Bagha Purana	S-NPP	30.60602	75.20020	14:19:00	D	4.90
524	Moga	Bagha Purana	S-NPP	30.61225	75.10454	12:39:26	D	3.20

525	Moga	Bagha Purana	S-NPP	30.62968	75.09122	14:19:00	D	2.90
526	Moga	Bagha Purana	S-NPP	30.64114	75.04065	12:39:26	D	2.20
527	Moga	Bagha Purana	S-NPP	30.64166	74.97082	12:39:26	D	3.90
528	Moga	Bagha Purana	S-NPP	30.64238	74.97272	12:39:26	D	3.70
529	Moga	Bagha Purana	S-NPP	30.65302	75.17628	14:19:00	D	8.10
530	Moga	Bagha Purana	S-NPP	30.65441	75.17734	14:19:00	D	7.30
531	Moga	Bagha Purana	S-NPP	30.66324	75.01401	14:19:00	D	4.60
532	Moga	Bagha Purana	S-NPP	30.66554	74.99291	14:19:00	D	4.70
533	Moga	Bagha Purana	S-NPP	30.66776	74.98861	14:19:00	D	5.50
534	Moga	Bagha Purana	S-NPP	30.66805	74.99359	14:19:00	D	5.50
535	Moga	Bagha Purana	S-NPP	30.67851	74.96785	14:19:00	D	10.50
536	Moga	Bagha Purana	S-NPP	30.69400	74.92690	14:19:00	D	8.00
537	Moga	Bagha Purana	S-NPP	30.69519	74.94672	14:19:00	D	5.00
538	Moga	Bagha Purana	S-NPP	30.70117	75.04650	14:19:00	D	2.40
539	Moga	Bagha Purana	S-NPP	30.70355	74.98605	14:19:00	D	4.30
540	Moga	Bagha Purana	S-NPP	30.70592	75.01820	12:39:26	D	3.80
541	Moga	Bagha Purana	S-NPP	30.70727	75.02334	12:39:26	D	3.80
542	Moga	Bagha Purana	S-NPP	30.72844	75.05518	12:39:26	D	2.80
543	Moga	Bagha Purana	S-NPP	30.74634	74.97604	12:39:26	D	2.70
544	Moga	Bagha Purana	S-NPP	30.74752	74.97527	12:39:26	D	4.60
545	Moga	Bagha Purana	S-NPP	30.75627	74.91436	14:19:00	D	7.30
546	Moga	Bagha Purana	S-NPP	30.75875	74.91220	14:19:00	D	7.20
547	Moga	Bagha Purana	S-NPP	30.75907	74.91714	14:19:00	D	7.20
548	Moga	Bagha Purana	S-NPP	30.76221	74.91392	14:19:00	D	7.30
549	Moga	Kot Ise Khan At Dharamkot	AQUA	30.93200	75.09900	13:33:49	D	14.60
550	Moga	Kot Ise Khan At Dharamkot	TERRA	30.95300	75.18800	11:14:48	D	11.20
551	Moga	Kot Ise Khan At Dharamkot	AQUA	31.02200	75.20500	13:33:49	D	13.30
552	Moga	Kot Ise Khan At Dharamkot	AQUA	31.07100	75.12200	13:33:49	D	25.40
553	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.87592	75.24485	12:39:26	D	11.40
554	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.87752	75.09855	12:39:26	D	3.20
555	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.88037	75.27805	14:19:00	D	3.40
556	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.88069	75.28328	14:19:00	D	4.80
557	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.88090	75.27943	14:19:00	D	10.90

558	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.88644	75.27765	14:19:00	D	7.20
559	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.89923	75.06614	14:19:00	D	11.40
560	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.90470	75.33138	12:39:26	D	6.80
561	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.90523	75.06570	14:19:00	D	9.00
562	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.98929	75.14901	12:39:26	D	3.60
563	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.99815	75.17715	14:19:00	D	4.50
564	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.00332	75.16125	14:19:00	D	6.00
565	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.01755	75.19699	12:39:26	D	2.30
566	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.01877	75.11367	14:19:00	D	4.80
567	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.02129	75.26437	14:19:00	D	3.10
568	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.03382	75.16428	14:19:00	D	6.50
569	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.03836	75.13809	14:19:00	D	11.50
570	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.03866	75.14323	14:19:00	D	37.00
571	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.04409	75.13252	14:19:00	D	11.50
572	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.04439	75.13766	14:19:00	D	11.50
573	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.06204	75.10658	14:19:00	D	9.30
574	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.06311	75.14672	14:19:00	D	3.50
575	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.06666	75.10519	14:19:00	D	12.70
576	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.07353	75.09541	14:19:00	D	3.40
577	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.07955	75.09496	14:19:00	D	2.40
578	Moga	Moga 1	AQUA	30.73500	75.23600	13:33:49	D	17.90
579	Moga	Moga 1	AQUA	30.73500	75.24100	13:33:49	D	18.40
580	Moga	Moga 1	AQUA	30.81300	75.23700	13:33:49	D	16.40
581	Moga	Moga 1	S-NPP	30.71257	75.13718	14:19:00	D	4.80
582	Moga	Moga 1	S-NPP	30.73707	75.24373	14:19:00	D	6.70
583	Moga	Moga 1	S-NPP	30.75522	75.24246	14:19:00	D	2.00
584	Moga	Moga 1	S-NPP	30.79099	75.20615	14:19:00	D	8.60
585	Moga	Moga 1	S-NPP	30.79129	75.21133	14:19:00	D	8.60
586	Moga	Moga 1	S-NPP	30.80190	75.18468	14:19:00	D	7.50
587	Moga	Moga 1	S-NPP	30.80602	75.28041	12:39:26	D	2.20
588	Moga	Moga 1	S-NPP	30.85236	75.21736	14:19:00	D	6.10
589	Moga	Moga 1	S-NPP	30.85299	75.21351	14:19:00	D	7.00
590	Moga	Moga 2	AQUA	30.70800	75.10900	13:33:49	D	20.00



591	Moga	Moga 2	AQUA	30.76200	75.11200	13:33:49	D	17.20
592	Moga	Moga 2	AQUA	30.77300	75.03800	13:33:49	D	22.60
593	Moga	Moga 2	AQUA	30.77800	75.06100	13:33:49	D	24.30
594	Moga	Moga 2	AQUA	30.82300	75.01700	13:33:49	D	19.00
595	Moga	Moga 2	S-NPP	30.74230	75.08372	12:39:26	D	4.30
596	Moga	Moga 2	S-NPP	30.74799	75.08602	14:19:00	D	4.90
597	Moga	Moga 2	S-NPP	30.74816	75.08171	12:39:26	D	4.30
598	Moga	Moga 2	S-NPP	30.74936	75.04807	14:19:00	D	8.30
599	Moga	Moga 2	S-NPP	30.75201	75.05013	14:19:00	D	10.00
600	Moga	Moga 2	S-NPP	30.76710	74.99854	14:19:00	D	2.90
601	Moga	Moga 2	S-NPP	30.77044	75.00121	14:19:00	D	4.50
602	Moga	Moga 2	S-NPP	30.77082	75.10241	14:19:00	D	15.90
603	Moga	Moga 2	S-NPP	30.77286	75.09949	14:19:00	D	11.30
604	Moga	Moga 2	S-NPP	30.77315	75.10456	14:19:00	D	12.90
605	Moga	Moga 2	S-NPP	30.78297	74.96230	14:19:00	D	3.60
606	Moga	Moga 2	S-NPP	30.79764	75.09172	12:39:26	D	3.10
607	Moga	Moga 2	S-NPP	30.80115	74.96597	14:19:00	D	13.90
608	Moga	Moga 2	S-NPP	30.80354	75.00599	14:19:00	D	2.30
609	Moga	Moga 2	S-NPP	30.80740	75.07142	14:19:00	D	3.60
610	Moga	Moga 2	S-NPP	30.81752	74.93974	14:19:00	D	10.80
611	Moga	Moga 2	S-NPP	30.84555	75.03058	12:39:26	D	2.80
612	Moga	Moga 2	S-NPP	30.84556	75.02669	12:39:26	D	2.00
613	Moga	Moga 2	S-NPP	30.84984	74.97322	12:39:26	D	10.30
614	Moga	Moga 2	S-NPP	30.85092	74.97463	12:39:26	D	8.70
615	Moga	Moga 2	S-NPP	30.85946	75.13420	14:19:00	D	2.40
616	Moga	Moga 2	S-NPP	30.87388	75.13280	12:39:26	D	3.20
617	Moga	Moga 2	S-NPP	30.87502	75.07024	12:39:26	D	6.10
618	Moga	Moga 2	S-NPP	30.87531	75.06625	12:39:26	D	6.60
619	Moga	Moga 2	S-NPP	30.87778	75.12997	12:39:26	D	3.70
620	Moga	Nihal Singh	AQUA	30.58700	75.17300	13:33:49	D	47.90
621	Moga	Nihal Singh	AQUA	30.71000	75.24800	13:33:49	D	12.50
622	Moga	Nihal Singh	S-NPP	30.55165	75.31299	14:19:00	D	15.00
623	Moga	Nihal Singh	S-NPP	30.55655	75.31287	14:19:00	D	34.10

624	Moga	Nihal Singh	S-NPP	30.57061	75.34328	14:19:00	D	4.70
625	Moga	Nihal Singh	S-NPP	30.57159	75.34293	14:19:00	D	5.90
626	Moga	Nihal Singh	S-NPP	30.57179	75.32505	12:39:26	D	2.90
627	Moga	Nihal Singh	S-NPP	30.57186	75.26506	14:19:00	D	10.10
628	Moga	Nihal Singh	S-NPP	30.57331	75.26460	14:19:00	D	6.90
629	Moga	Nihal Singh	S-NPP	30.57360	75.26976	14:19:00	D	8.00
630	Moga	Nihal Singh	S-NPP	30.58085	75.31110	12:39:26	D	11.90
631	Moga	Nihal Singh	S-NPP	30.58537	75.19682	12:39:26	D	1.90
632	Moga	Nihal Singh	S-NPP	30.59365	75.19595	14:19:00	D	10.90
633	Moga	Nihal Singh	S-NPP	30.59395	75.20109	14:19:00	D	10.90
634	Moga	Nihal Singh	S-NPP	30.59443	75.31512	14:19:00	D	6.20
635	Moga	Nihal Singh	S-NPP	30.59472	75.32030	14:19:00	D	10.20
636	Muktsar	Kot Bhai At Gidderbaha	AQUA	30.35700	74.76400	13:33:49	D	16.90
637	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.28947	74.68397	14:19:00	D	3.00
638	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.35886	74.77082	14:19:00	D	9.50
639	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.36489	74.67954	14:19:00	D	2.50
640	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.42585	74.74294	12:39:26	D	4.80
641	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.43012	74.68878	14:19:00	D	4.90
642	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.43440	74.68404	14:19:00	D	6.00
643	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.43469	74.68879	14:19:00	D	9.00
644	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.43596	74.68834	14:19:00	D	4.90
645	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.46007	74.62505	14:19:00	D	9.90
646	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.46387	74.66734	12:39:26	D	5.70
647	Muktsar	Lambi	AQUA	30.09400	74.46200	13:33:49	D	22.60
648	Muktsar	Lambi	AQUA	30.10100	74.45300	13:33:49	D	15.60
649	Muktsar	Lambi	S-NPP	29.96471	74.44209	14:19:00	D	5.30
650	Muktsar	Lambi	S-NPP	29.99179	74.58679	14:19:00	D	5.30
651	Muktsar	Lambi	S-NPP	29.99205	74.58652	14:19:00	D	5.30
652	Muktsar	Lambi	S-NPP	29.99557	74.64198	12:39:26	D	3.40
653	Muktsar	Lambi	S-NPP	29.99643	74.56790	14:19:00	D	7.30
654	Muktsar	Lambi	S-NPP	29.99656	74.56766	14:19:00	D	7.00
655	Muktsar	Lambi	S-NPP	30.05520	74.57697	14:19:00	D	7.50
656	Muktsar	Lambi	S-NPP	30.06781	74.42017	14:19:00	D	10.50

657	Muktsar	Lambi	S-NPP	30.06812	74.42466	14:19:00	D	15.80
658	Muktsar	Lambi	S-NPP	30.07381	74.59407	14:19:00	D	1.90
659	Muktsar	Lambi	S-NPP	30.08754	74.62451	14:19:00	D	5.80
660	Muktsar	Lambi	S-NPP	30.08760	74.62560	14:19:00	D	6.10
661	Muktsar	Lambi	S-NPP	30.10641	74.64639	14:19:00	D	8.20
662	Muktsar	Lambi	S-NPP	30.10662	74.64753	14:19:00	D	7.10
663	Muktsar	Malout	AQUA	30.38100	74.49300	13:33:49	D	19.70
664	Muktsar	Malout	S-NPP	30.12276	74.44615	14:19:00	D	4.80
665	Muktsar	Malout	S-NPP	30.12614	74.40948	14:19:00	D	2.50
666	Muktsar	Malout	S-NPP	30.15911	74.55818	14:19:00	D	5.90
667	Muktsar	Malout	S-NPP	30.16779	74.48676	12:39:26	D	2.10
668	Muktsar	Malout	S-NPP	30.17055	74.48576	12:39:26	D	3.40
669	Muktsar	Muktsar	AQUA	30.38100	74.51500	13:33:49	D	38.20
670	Muktsar	Muktsar	AQUA	30.38600	74.51800	13:33:49	D	19.20
671	Muktsar	Muktsar	AQUA	30.53600	74.54100	13:33:49	D	18.30
672	Muktsar	Muktsar	AQUA	30.54100	74.56500	13:33:49	D	14.40
673	Muktsar	Muktsar	AQUA	30.58300	74.39200	13:33:49	D	26.50
674	Muktsar	Muktsar	AQUA	30.58900	74.41700	13:33:49	D	33.40
675	Muktsar	Muktsar	S-NPP	30.38717	74.39828	14:19:00	D	5.80
676	Muktsar	Muktsar	S-NPP	30.38773	74.39840	14:19:00	D	6.20
677	Muktsar	Muktsar	S-NPP	30.39998	74.50342	14:19:00	D	5.90
678	Muktsar	Muktsar	S-NPP	30.40007	74.50314	14:19:00	D	5.90
679	Muktsar	Muktsar	S-NPP	30.40850	74.45625	14:19:00	D	7.00
680	Muktsar	Muktsar	S-NPP	30.40869	74.45640	14:19:00	D	6.70
681	Muktsar	Muktsar	S-NPP	30.40882	74.46083	14:19:00	D	7.00
682	Muktsar	Muktsar	S-NPP	30.40898	74.46099	14:19:00	D	6.70
683	Muktsar	Muktsar	S-NPP	30.42135	74.41003	12:39:26	D	6.50
684	Muktsar	Muktsar	S-NPP	30.43630	74.49051	12:39:26	D	3.80
685	Muktsar	Muktsar	S-NPP	30.50922	74.57311	14:19:00	D	2.90
686	Muktsar	Muktsar	S-NPP	30.51970	74.38328	14:19:00	D	4.00
687	Muktsar	Muktsar	S-NPP	30.52925	74.61396	14:19:00	D	6.40
688	Muktsar	Muktsar	S-NPP	30.52971	74.61494	14:19:00	D	7.80
689	Muktsar	Muktsar	S-NPP	30.53552	74.56445	12:39:26	D	4.80

690	Muktsar	Muktsar	S-NPP	30.53656	74.54278	14:19:00	D	10.00
691	Muktsar	Muktsar	S-NPP	30.53847	74.56019	12:39:26	D	4.00
692	Muktsar	Muktsar	S-NPP	30.54295	74.55166	14:19:00	D	4.40
693	Patiala	Nabha	AQUA	30.51400	76.32200	13:33:49	D	14.20
694	Patiala	Nabha	S-NPP	30.39137	76.17858	12:39:26	D	3.30
695	Patiala	Nabha	S-NPP	30.39306	76.17903	12:39:26	D	5.40
696	Patiala	Nabha	S-NPP	30.39696	76.17672	12:39:26	D	3.30
697	Patiala	Nabha	S-NPP	30.52213	76.30102	14:19:00	D	9.20
698	Patiala	Nabha	S-NPP	30.52320	76.30346	14:19:00	D	8.90
699	Patiala	Patiala	S-NPP	30.43825	76.43976	12:39:26	D	2.40
700	Patiala	Patiala	S-NPP	30.46662	76.34632	14:19:00	D	7.90
701	Patiala	Patran	S-NPP	29.85648	76.09735	14:19:00	D	3.00
702	Patiala	Patran	S-NPP	29.95650	76.18848	14:19:00	D	17.40
703	Patiala	Samana	S-NPP	30.06852	76.23072	12:39:26	D	3.00
704	Patiala	Sanaur	S-NPP	30.14392	76.33566	12:39:26	D	3.30
705	Sangrur	Andana	S-NPP	29.79661	75.88537	12:39:26	D	7.60
706	Sangrur	Andana	S-NPP	29.80588	75.96997	12:39:26	D	11.00
707	Sangrur	Andana	S-NPP	29.82173	75.86150	12:39:26	D	4.80
708	Sangrur	Andana	S-NPP	29.83603	75.99071	12:39:26	D	1.90
709	Sangrur	Andana	S-NPP	29.85184	76.00700	14:19:00	D	6.40
710	Sangrur	Andana	S-NPP	29.86106	76.00438	14:19:00	D	5.60
711	Sangrur	Andana	S-NPP	29.86488	76.00669	12:39:26	D	5.10
712	Sangrur	Andana	S-NPP	29.87693	76.00525	14:19:00	D	3.10
713	Sangrur	Bhawanigarh	S-NPP	30.16266	76.02148	12:39:26	D	4.20
714	Sangrur	Bhawanigarh	S-NPP	30.34293	75.98383	12:39:26	D	2.10
715	Sangrur	Dhuri	S-NPP	30.34109	75.94800	14:19:00	D	6.60
716	Sangrur	Dhuri	S-NPP	30.39915	75.90225	14:19:00	D	13.50
717	Sangrur	Dirba	S-NPP	29.95462	75.97532	14:19:00	D	15.10
718	Sangrur	Dirba	S-NPP	29.95718	75.97732	14:19:00	D	7.50
719	Sangrur	Lehra Gaga	S-NPP	29.92474	75.74187	14:19:00	D	6.70
720	Sangrur	Lehra Gaga	S-NPP	29.94295	75.85423	12:39:26	D	5.10
721	Sangrur	Sangrur	S-NPP	30.16138	75.58943	14:19:00	D	8.30
722	Sangrur	Sangrur	S-NPP	30.16150	75.58960	14:19:00	D	8.70

723	Sangrur	Sangrur	S-NPP	30.17036	75.57587	12:39:26	D	6.00
724	Sangrur	Sangrur	S-NPP	30.20219	75.65666	14:19:00	D	8.10
725	Sangrur	Sangrur	S-NPP	30.21049	75.69412	14:19:00	D	5.50
726	Sangrur	Sangrur	S-NPP	30.27357	75.74049	14:19:00	D	2.90
727	Sangrur	Sher Pur	S-NPP	30.29480	75.67341	14:19:00	D	6.50
728	Sangrur	Sher Pur	S-NPP	30.33342	75.69804	14:19:00	D	6.40
729	Sangrur	Sher Pur	S-NPP	30.33360	75.70677	12:39:26	D	9.70
730	Sangrur	Sher Pur	S-NPP	30.51855	75.73726	12:39:26	D	7.60
731	Sangrur	Sunam	S-NPP	30.17517	75.72929	14:19:00	D	5.70
732	Sangrur	Sunam	S-NPP	30.17615	75.72923	14:19:00	D	9.10
733	SBS Nagar	Aur	S-NPP	31.00127	76.08955	14:19:00	D	1.40
734	Tarn Taran	Gandiwind Tatla	S-NPP	31.47167	74.73627	14:19:00	D	2.60
735	Tarn Taran	Patti	S-NPP	31.24936	74.71326	14:19:00	D	3.70
736	Tarn Taran	Patti	S-NPP	31.25191	74.71730	14:19:00	D	5.50
737	Tarn Taran	Valtoha	AQUA	31.14700	74.58400	13:33:49	D	18.80
738	Tarn Taran	Valtoha	S-NPP	31.17911	74.68869	14:19:00	D	2.00
739	Tarn Taran	Valtoha	S-NPP	31.18500	74.68822	14:19:00	D	5.20
740	Tarn Taran	Valtoha	S-NPP	31.31021	74.55144	12:39:26	D	3.50

### Details of residue burning events in Haryana on 19-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	FATEHABAD	BHUNA	S-NPP	29.58847	75.66030	14:19:00	D	8.00
2	FATEHABAD	JAKHAL	S-NPP	29.77743	75.74506	14:19:00	D	8.30
3	FATEHABAD	RATIA	S-NPP	29.64015	75.49734	14:19:00	D	3.70
4	FATEHABAD	RATIA	S-NPP	29.69940	75.46697	14:19:00	D	7.40
5	FATEHABAD	RATIA	S-NPP	29.71316	75.49203	14:19:00	D	2.00
6	FATEHABAD	RATIA	S-NPP	29.71864	75.58086	14:19:00	D	9.70
7	FATEHABAD	RATIA	S-NPP	29.74737	75.65035	14:19:00	D	1.80
8	HISAR	BARWALA	AQUA	29.41300	76.03000	13:33:49	D	19.90
9	HISAR	BARWALA	S-NPP	29.27430	75.77197	12:39:26	D	4.10
10	HISAR	BARWALA	S-NPP	29.27610	75.77286	12:39:26	D	4.70
11	HISAR	HANSI-II	S-NPP	29.13008	76.13125	01:29:26	N	0.40
12	HISAR	NARNAUND	S-NPP	29.28476	76.15732	12:39:26	D	3.10
13	HISAR	UKLANA	S-NPP	29.50401	75.79217	14:19:00	D	6.40
14	JHAJJAR	BAHADURGARH	S-NPP	28.77190	76.88741	01:29:26	N	0.60
15	JHAJJAR	BAHADURGARH	S-NPP	28.77322	76.88951	01:29:26	N	0.50
16	JHAJJAR	BAHADURGARH	S-NPP	28.77420	76.94819	01:29:26	N	0.50
17	JIND	NARWANA	S-NPP	29.70597	76.00027	14:19:00	D	10.20
18	PANIPAT	MADLAUDA	S-NPP	29.37255	76.77380	12:39:26	D	5.20
19	PANIPAT	MADLAUDA	S-NPP	29.37362	76.77814	12:39:26	D	5.20
20	ROHTAK	LAKHAN MAJRA	S-NPP	29.06849	76.41289	12:39:26	D	2.60
21	ROHTAK	MEHAM	S-NPP	28.92793	76.42379	14:19:00	D	9.50
22	ROHTAK	MEHAM	S-NPP	28.94842	76.40899	14:19:00	D	4.00
23	ROHTAK	MEHAM	S-NPP	28.95272	76.41058	14:19:00	D	3.30
24	ROHTAK	MEHAM	S-NPP	28.95986	76.41679	12:39:26	D	4.00
25	ROHTAK	MEHAM	S-NPP	29.01430	76.34499	12:39:26	D	3.00
26	ROHTAK	MEHAM	S-NPP	29.01683	76.34815	12:39:26	D	3.10
27	SIRSA	ELLENABAD	S-NPP	29.52136	74.77722	14:19:00	D	22.00
28	SIRSA	RANIA	S-NPP	29.48312	74.89693	14:19:00	D	2.80
29	SIRSA	RANIA	S-NPP	29.58973	74.57983	14:19:00	D	9.90
30	SIRSA	SIRSA	S-NPP	29.56971	74.94662	01:29:26	N	0.70
31	SONIPAT	KATHURA	AQUA	29.09300	76.55200	13:33:49	D	14.10
32	SONIPAT	KATHURA	AQUA	29.19600	76.54100	13:33:49	D	13.20
33	YAMUNANAGAR	JAGADHRI	S-NPP	30.10243	77.24067	01:29:26	N	0.40

### Details of residue burning events in Uttar Pradesh on 19-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALIGARH	KOL	S-NPP	27.95087	78.13541	12:39:26	D	3.30
2	ALLAHABAD	BARA	S-NPP	25.07185	81.70544	12:39:26	D	3.30
3	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.50346	82.54134	12:39:26	D	2.50
4	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.51568	82.49113	12:39:26	D	3.30
5	AMBEDKARNAGAR	JALALPUR	S-NPP	26.39947	82.71955	12:39:26	D	2.00
6	AMBEDKARNAGAR	TANDA	S-NPP	26.50348	82.78175	12:39:26	D	2.40
7	AMETHI	GAURIGANJ	AQUA	26.37800	81.55900	13:33:49	D	6.70
8	AMETHI	GAURIGANJ	AQUA	26.38000	81.69100	13:33:49	D	6.10
9	AMETHI	GAURIGANJ	S-NPP	26.27120	81.66617	12:39:26	D	3.40
10	AMETHI	GAURIGANJ	S-NPP	26.33799	81.73643	12:39:26	D	5.40
11	AMETHI	GAURIGANJ	S-NPP	26.37553	81.59597	12:39:26	D	3.50
12	AMETHI	MUSAFIRKHANA	S-NPP	26.49370	81.84550	12:39:26	D	3.20
13	AURAIYA	AURAIYA	S-NPP	26.45974	79.55482	12:39:26	D	3.90
14	AURAIYA	BIDHUNA	AQUA	26.61400	79.63100	13:33:49	D	8.00
15	AZAMGARH	AZAMGARH	S-NPP	26.01342	83.19398	12:39:26	D	2.20
16	BAGHPAT	BARAUT	AQUA	29.15900	77.38600	13:33:49	D	11.80
17	BALLIA	BELTHARA ROAD	S-NPP	26.02644	83.71500	12:39:26	D	1.90
18	BALRAMPUR	TULSIPUR	AQUA	27.47000	82.58300	13:33:49	D	5.10
19	BALRAMPUR	UTRAULA	S-NPP	27.10488	82.36197	12:39:26	D	2.80
20	BANDA	BABERU	AQUA	25.51700	80.87800	13:33:49	D	6.20
21	BARABANKI	H Aidargarh	S-NPP	26.62035	81.53947	12:39:26	D	3.20
22	BASTI	BHANPUR	AQUA	26.88800	82.70000	13:33:49	D	5.40
23	BASTI	BHANPUR	AQUA	26.91600	82.70500	13:33:49	D	7.60
24	BASTI	BHANPUR	AQUA	26.96900	82.74000	13:33:49	D	5.60
25	BASTI	BHANPUR	AQUA	26.97000	82.75000	13:33:49	D	5.10
26	BASTI	BHANPUR	S-NPP	26.95021	82.78450	12:39:26	D	4.90
27	BASTI	BHANPUR	S-NPP	27.07406	82.66012	12:39:26	D	3.20
28	BASTI	HARRAIYA	S-NPP	26.81682	82.40217	12:39:26	D	5.00
29	BASTI	RUDHAULI	AQUA	26.93400	82.82500	13:33:49	D	9.80
30	BASTI	RUDHAULI	AQUA	26.93600	82.83500	13:33:49	D	8.40

31	BASTI	RUDHAULI	AQUA	26.99600	82.85800	13:33:49	D	4.60
32	BASTI	RUDHAULI	AQUA	27.02800	82.77000	13:33:49	D	4.50
33	BASTI	RUDHAULI	AQUA	27.03000	82.78000	13:33:49	D	6.20
34	BASTI	RUDHAULI	S-NPP	26.94552	82.82585	12:39:26	D	3.50
35	BASTI	RUDHAULI	S-NPP	26.94940	82.82430	12:39:26	D	4.80
36	BASTI	RUDHAULI	S-NPP	26.94967	82.82484	12:39:26	D	3.50
37	BULANSAHAR	ANUP SHAHR	S-NPP	28.38064	78.04890	12:39:26	D	3.20
38	DEORIA	BARHAJ	S-NPP	26.29342	83.79374	12:39:26	D	2.10
39	DEORIA	DEORIA	S-NPP	26.42481	83.77881	12:39:26	D	2.00
40	DEORIA	DEORIA	S-NPP	26.53228	83.92141	12:39:26	D	8.50
41	DEORIA	DEORIA	S-NPP	26.54014	83.91957	12:39:26	D	4.10
42	DEORIA	DEORIA	S-NPP	26.56316	83.69459	12:39:26	D	4.30
43	DEORIA	RUDRAPUR	AQUA	26.55800	83.64600	13:33:49	D	6.50
44	ETAWAH	BHARTHNA	S-NPP	26.66390	79.15112	12:39:26	D	3.30
45	FATEHPUR	FATEHPUR	AQUA	25.96100	80.87700	13:33:49	D	7.70
46	FATEHPUR	FATEHPUR	AQUA	25.97800	80.80100	13:33:49	D	10.40
47	FATEHPUR	KHAGA	AQUA	25.91700	81.11800	13:33:49	D	12.40
48	GAZIPUR	MUHAMMADBAD	AQUA	25.77700	83.80200	13:33:49	D	6.30
49	GONDA	GONDA	S-NPP	27.29997	81.87118	12:39:26	D	3.40
50	GONDA	GONDA	S-NPP	27.30091	81.87408	12:39:26	D	3.00
51	GORAKHPUR	CHAURI CHAURA	S-NPP	26.70116	83.58069	12:39:26	D	2.80
52	GORAKHPUR	GORAKHPUR	S-NPP	26.78773	83.52742	12:39:26	D	3.90
53	GORAKHPUR	GORAKHPUR	S-NPP	26.79173	83.52647	12:39:26	D	5.20
54	GORAKHPUR	GORAKHPUR	S-NPP	26.79991	83.50404	12:39:26	D	7.90
55	GORAKHPUR	GORAKHPUR	S-NPP	26.80315	83.49917	12:39:26	D	3.90
56	GORAKHPUR	GORAKHPUR	S-NPP	26.80391	83.50308	12:39:26	D	5.40
57	GORAKHPUR	GORAKHPUR	S-NPP	26.83540	83.47092	12:39:26	D	3.30
58	HARDOI	BILGRAM	S-NPP	27.33401	80.02710	01:29:26	N	2.20
59	HARDOI	SHAHABAD	S-NPP	27.48335	79.91457	01:29:26	N	0.40
60	JAUNPUR	BADLAPUR	S-NPP	25.83936	82.36366	12:39:26	D	13.90
61	JAUNPUR	MACHHALI SAHAR	S-NPP	25.72180	82.41799	01:29:26	N	0.50
62	JAUNPUR	SHHGANJ	S-NPP	25.85309	82.65493	12:39:26	D	2.30
63	JHANSI	JHANSI	S-NPP	25.52708	78.56454	12:39:26	D	1.60



64	JHANSI	MOTH	AQUA	25.77300	78.91800	13:33:49	D	13.30
65	JHANSI	MOTH	S-NPP	25.74531	78.92056	14:19:00	D	6.30
66	KANNAUJ	TIRWA	S-NPP	26.78218	79.81614	12:39:26	D	2.30
67	KANNAUJ	TIRWA	S-NPP	26.78498	79.80514	12:39:26	D	2.80
68	KANPUR	GHATAMPUR	AQUA	26.21600	80.36800	13:33:49	D	6.80
69	KANPUR DEHAT	AKBARPUR	AQUA	26.39200	79.95500	13:33:49	D	7.90
70	KANPUR DEHAT	RASULABAD	AQUA	26.58300	79.92800	13:33:49	D	11.40
71	KANPUR DEHAT	RASULABAD	S-NPP	26.69870	79.76553	12:39:26	D	2.50
72	KANPUR DEHAT	RASULABAD	S-NPP	26.78074	79.80971	12:39:26	D	1.60
73	KAUSHAMBI	MANJHANPUR	AQUA	25.32800	81.41800	13:33:49	D	7.70
74	KAUSHAMBI	MANJHANPUR	AQUA	25.40500	81.50000	13:33:49	D	8.40
75	KAUSHAMBI	MANJHANPUR	AQUA	25.40600	81.51100	13:33:49	D	7.90
76	KAUSHAMBI	MANJHANPUR	AQUA	25.51000	81.27700	13:33:49	D	5.30
77	KHERI	GOLA	S-NPP	28.02415	80.43493	01:29:26	N	0.50
78	KHERI	LAKHIMPUR	S-NPP	27.99094	80.55396	12:39:26	D	2.30
79	KHERI	LAKHIMPUR	S-NPP	28.08300	80.79065	12:39:26	D	6.20
80	KHERI	MOHMADI	AQUA	27.85000	80.24100	13:33:49	D	7.10
81	KUSHINAGAR	HATA	AQUA	26.73900	83.62100	13:33:49	D	9.00
82	KUSHINAGAR	HATA	AQUA	26.75100	83.63900	13:33:49	D	15.60
83	KUSHINAGAR	HATA	AQUA	26.77100	83.59500	13:33:49	D	7.70
84	KUSHINAGAR	HATA	AQUA	26.82400	83.70100	13:33:49	D	6.70
85	KUSHINAGAR	HATA	AQUA	26.87700	83.57000	13:33:49	D	4.40
86	KUSHINAGAR	HATA	AQUA	26.95300	83.64000	13:33:49	D	6.30
87	KUSHINAGAR	HATA	S-NPP	26.81216	83.63118	12:39:26	D	4.00
88	KUSHINAGAR	HATA	S-NPP	26.84616	83.63516	12:39:26	D	3.20
89	KUSHINAGAR	HATA	S-NPP	26.84891	83.60628	12:39:26	D	3.80
90	KUSHINAGAR	KASAYA	AQUA	26.70100	84.00900	13:33:49	D	6.10
91	KUSHINAGAR	KASAYA	AQUA	26.79800	84.03600	13:33:49	D	7.30
92	KUSHINAGAR	KASAYA	S-NPP	26.61547	84.03593	12:39:26	D	2.60
93	KUSHINAGAR	KASAYA	S-NPP	26.79297	84.03576	12:39:26	D	3.70
94	KUSHINAGAR	TAMKUHI RAJ	AQUA	26.71700	84.05700	13:33:49	D	4.50
95	LUCKNOW	MOHANLAL GANJ	AQUA	26.61500	81.14700	13:33:49	D	5.50
96	LUCKNOW	MOHANLAL GANJ	S-NPP	26.61304	81.13766	12:39:26	D	3.00

97	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.98000	83.63500	13:33:49	D	5.70
98	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.98100	83.64500	13:33:49	D	14.00
99	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.99400	83.53600	13:33:49	D	6.90
100	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.02400	83.56100	13:33:49	D	4.80
101	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.17400	83.57200	13:33:49	D	6.00
102	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.17600	83.58200	13:33:49	D	11.90
103	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.19200	83.50800	13:33:49	D	6.30
104	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.23500	83.55100	13:33:49	D	10.90
105	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.23800	83.51000	13:33:49	D	8.10
106	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.24500	83.55900	13:33:49	D	12.00
107	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.97638	83.54192	01:29:26	N	0.60
108	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.07664	83.45899	12:39:26	D	1.80
109	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.08524	83.48141	12:39:26	D	2.70
110	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.08601	83.48529	12:39:26	D	7.90
111	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.12974	83.55985	12:39:26	D	3.20
112	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.18248	83.57534	12:39:26	D	11.00
113	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.19449	83.50788	12:39:26	D	3.20
114	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.19579	83.50767	12:39:26	D	3.60
115	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.24546	83.52802	12:39:26	D	5.70
116	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.24943	83.52708	12:39:26	D	5.70
117	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.25612	83.56166	12:39:26	D	2.70
118	MAHARAJGANJ	NAUTANWA	S-NPP	27.19918	83.37629	12:39:26	D	3.00
119	MAHARAJGANJ	NAUTANWA	S-NPP	27.30438	83.40000	12:39:26	D	2.90
120	MAHARAJGANJ	NAUTANWA	S-NPP	27.34515	83.45937	12:39:26	D	2.60
121	MAHARAJGANJ	NICHLAUL	AQUA	27.21800	83.68600	13:33:49	D	4.50
122	MAHARAJGANJ	NICHLAUL	AQUA	27.26900	83.66600	13:33:49	D	5.50
123	MAHARAJGANJ	NICHLAUL	AQUA	27.29700	83.65500	13:33:49	D	7.30
124	MAHARAJGANJ	NICHLAUL	S-NPP	27.33763	83.68624	12:39:26	D	4.40
125	MAHARAJGANJ	PHARENDA	AQUA	27.12500	83.30200	13:33:49	D	6.60
126	MAINPURI	BHOGAON	S-NPP	27.01950	79.38796	12:39:26	D	2.00
127	MAU	MADHUBAN	S-NPP	26.09261	83.64603	12:39:26	D	2.80
128	MAU	MADHUBAN	S-NPP	26.17520	83.65958	12:39:26	D	1.50
129	MAU	MAU	AQUA	25.88400	83.52000	13:33:49	D	4.60

130	MEERUT	MAWANA	S-NPP	29.25024	78.05849	12:39:26	D	2.00
131	MUZAFARNAGAR	BUDHANA	AQUA	29.27900	77.40100	13:33:49	D	9.90
132	MUZAFARNAGAR	BUDHANA	AQUA	29.28900	77.39400	13:33:49	D	8.00
133	MUZAFARNAGAR	BUDHANA	S-NPP	29.30244	77.32695	14:19:00	D	4.10
134	MUZAFARNAGAR	KHATOLI	S-NPP	29.24038	77.76788	12:39:26	D	2.60
135	MUZAFARNAGAR	KHATOLI	S-NPP	29.24319	77.76733	12:39:26	D	2.60
136	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.55877	77.60425	12:39:26	D	2.70
137	PILHIBHIT	BISALPUR	S-NPP	28.32739	79.90945	12:39:26	D	4.40
138	PRATAPGARH	KUNDA	S-NPP	25.82378	81.66029	12:39:26	D	3.60
139	PRATAPGARH	KUNDA	S-NPP	25.89853	81.49545	12:39:26	D	7.00
140	PRATAPGARH	LALGANJ	S-NPP	25.93282	81.59155	12:39:26	D	3.80
141	PRATAPGARH	PATTI	AQUA	26.01900	82.21300	13:33:49	D	4.40
142	RAIBEARELI	DALMAU	S-NPP	26.04372	81.20700	01:29:26	N	0.70
143	RAIBEARELI	MAHARAJGANG	AQUA	26.59100	81.21500	13:33:49	D	11.70
144	RAIBEARELI	MAHARAJGANG	S-NPP	26.39078	81.18095	12:39:26	D	3.10
145	RAIBEARELI	MAHARAJGANG	S-NPP	26.42142	81.28404	01:29:26	N	0.70
146	RAIBEARELI	MAHARAJGANG	S-NPP	26.42222	81.28485	01:29:26	N	0.70
147	RAIBEARELI	RAEBARELI	S-NPP	26.41029	81.08990	12:39:26	D	3.40
148	RAIBEARELI	SALON	AQUA	26.20200	81.45400	13:33:49	D	6.30
149	RAIBEARELI	TILOI	AQUA	26.29800	81.47400	13:33:49	D	5.60
150	RAIBEARELI	TILOI	AQUA	26.38300	81.46800	13:33:49	D	5.00
151	RAIBEARELI	TILOI	S-NPP	26.44912	81.38470	12:39:26	D	3.40
152	RAIBEARELI	UNCHAHR	S-NPP	26.00571	81.28963	12:39:26	D	3.70
153	RAMPUR	SUAR	S-NPP	29.02055	79.04941	12:39:26	D	1.00
154	RAMPUR	TANDA	S-NPP	28.90760	78.96524	12:39:26	D	3.20
155	SAMBHAL	SAMBHAL	S-NPP	28.54906	78.65169	12:39:26	D	1.80
156	SANTKABIRNAGAR	GHANGHATA	AQUA	26.59500	83.08700	13:33:49	D	5.70
157	SANTKABIRNAGAR	MEHDawal	S-NPP	27.00150	82.93142	12:39:26	D	2.90
158	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.96410	79.86868	01:29:26	N	0.60
159	SHAHJAHANPUR	TILHAR	S-NPP	28.07139	79.84097	01:29:26	N	0.90
160	SHAHJAHANPUR	TILHAR	S-NPP	28.07394	79.84000	01:29:26	N	0.90
161	SHAMLI	KAIRANA	S-NPP	29.51874	77.15503	12:39:26	D	2.50
162	SHARANPUR	DEOBAND	S-NPP	29.76482	77.74429	12:39:26	D	2.70

163	SHARANPUR	NAKUR	S-NPP	29.82997	77.26573	12:39:26	D	2.80
164	SHRAWASTI	BHINGA	S-NPP	27.69886	81.74961	12:39:26	D	3.90
165	SHRAWASTI	IKAUNA	AQUA	27.57300	81.74300	13:33:49	D	5.60
166	SIDDHARTHANAGAR	BANSI	AQUA	27.14900	82.90500	13:33:49	D	4.10
167	SIDDHARTHANAGAR	BANSI	S-NPP	27.07318	82.87859	12:39:26	D	3.30
168	SIDDHARTHANAGAR	BANSI	S-NPP	27.07460	82.87899	12:39:26	D	2.50
169	SIDDHARTHANAGAR	DOMARIYAGANJ	AQUA	27.13100	82.59400	13:33:49	D	9.40
170	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.13615	82.73041	12:39:26	D	3.70
171	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.15107	82.71843	12:39:26	D	3.60
172	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.15109	82.71770	12:39:26	D	4.40
173	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.15227	82.57310	12:39:26	D	4.20
174	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.17945	82.72934	12:39:26	D	3.20
175	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.18431	82.71019	12:39:26	D	6.20
176	SIDDHARTHANAGAR	ITWA	AQUA	27.34800	82.49800	13:33:49	D	4.60
177	SIDDHARTHANAGAR	ITWA	AQUA	27.35700	82.62100	13:33:49	D	5.40
178	SIDDHARTHANAGAR	ITWA	S-NPP	27.25428	82.77764	12:39:26	D	3.20
179	SIDDHARTHANAGAR	ITWA	S-NPP	27.28765	82.72227	12:39:26	D	3.00
180	SIDDHARTHANAGAR	ITWA	S-NPP	27.35921	82.51515	12:39:26	D	1.50
181	SIDDHARTHANAGAR	ITWA	S-NPP	27.37503	82.70110	12:39:26	D	3.30
182	SIDDHARTHANAGAR	NAUGARH	AQUA	27.34900	83.25300	13:33:49	D	4.60
183	SIDDHARTHANAGAR	NAUGARH	AQUA	27.37100	83.21800	13:33:49	D	10.10
184	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.30758	82.92871	12:39:26	D	5.60
185	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.42072	82.97033	12:39:26	D	2.30
186	SITAPUR	LAHARPUR	AQUA	27.75300	80.83800	13:33:49	D	6.60
187	SITAPUR	MISRIK	AQUA	27.38400	80.45700	13:33:49	D	6.30
188	SULTANPUR	SULTANPUR	AQUA	26.44500	81.98200	13:33:49	D	5.10

### Details of residue burning events in Rajasthan on 19-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	GANGANAGAR	SURATGARH	S-NPP	29.36013	73.96090	14:19:00	D	6.70
2	HANUMANGARH	HANUMANGARH	S-NPP	29.52369	74.22275	14:19:00	D	1.90
3	HANUMANGARH	HANUMANGARH	S-NPP	29.55476	74.25925	14:19:00	D	5.20
4	HANUMANGARH	HANUMANGARH	S-NPP	29.55691	74.25666	14:19:00	D	3.80
5	HANUMANGARH	HANUMANGARH	S-NPP	29.57565	74.28130	14:19:00	D	3.20
6	HANUMANGARH	HANUMANGARH	S-NPP	29.57668	74.40276	14:19:00	D	3.70
7	HANUMANGARH	HANUMANGARH	S-NPP	29.57821	74.40475	14:19:00	D	8.30
8	HANUMANGARH	HANUMANGARH	S-NPP	29.58073	74.27209	14:19:00	D	1.50
9	HANUMANGARH	HANUMANGARH	S-NPP	29.58132	74.28081	14:19:00	D	3.20
10	HANUMANGARH	HANUMANGARH	S-NPP	29.58392	74.40427	14:19:00	D	4.20
11	HANUMANGARH	HANUMANGARH	S-NPP	29.59026	74.24506	14:19:00	D	4.50
12	HANUMANGARH	HANUMANGARH	S-NPP	29.59744	74.34985	14:19:00	D	5.10
13	HANUMANGARH	HANUMANGARH	S-NPP	29.60253	74.34058	14:19:00	D	12.60
14	HANUMANGARH	HANUMANGARH	S-NPP	29.61512	74.35720	14:19:00	D	5.10
15	HANUMANGARH	PILIBANGA	S-NPP	29.37543	74.01802	14:19:00	D	3.30
16	HANUMANGARH	PILIBANGA	S-NPP	29.40139	74.00502	12:39:26	D	9.30
17	HANUMANGARH	PILIBANGA	S-NPP	29.40278	74.00642	12:39:26	D	7.10
18	HANUMANGARH	PILIBANGA	S-NPP	29.45404	74.03654	14:19:00	D	2.90
19	HANUMANGARH	PILIBANGA	S-NPP	29.47583	74.10663	14:19:00	D	3.30
20	HANUMANGARH	PILIBANGA	S-NPP	29.47993	74.08501	14:19:00	D	2.80
21	HANUMANGARH	SANGHRIYA	S-NPP	29.61337	74.41521	14:19:00	D	8.70
22	HANUMANGARH	TIBI	S-NPP	29.52165	74.60580	14:19:00	D	3.20
23	HANUMANGARH	TIBI	S-NPP	29.53103	74.57306	14:19:00	D	5.10
24	HANUMANGARH	TIBI	S-NPP	29.55344	74.56213	14:19:00	D	5.40
25	HANUMANGARH	TIBI	S-NPP	29.56656	74.50219	14:19:00	D	9.70
26	HANUMANGARH	TIBI	S-NPP	29.56688	74.50667	14:19:00	D	14.80
27	HANUMANGARH	TIBI	S-NPP	29.56748	74.50440	14:19:00	D	3.60
28	HANUMANGARH	TIBI	S-NPP	29.56750	74.43475	14:19:00	D	5.90
29	HANUMANGARH	TIBI	S-NPP	29.57359	74.51970	14:19:00	D	7.70
30	HANUMANGARH	TIBI	S-NPP	29.57410	74.51744	14:19:00	D	4.60

31	HANUMANGARH	TIBI	S-NPP	29.57439	74.52194	14:19:00	D	4.60
32	HANUMANGARH	TIBI	S-NPP	29.58925	74.48450	14:19:00	D	19.50
33	HANUMANGARH	TIBI	S-NPP	29.58929	74.57748	14:19:00	D	10.90
34	HANUMANGARH	TIBI	S-NPP	29.58943	74.57529	14:19:00	D	6.70
35	HANUMANGARH	TIBI	S-NPP	29.58955	74.48899	14:19:00	D	26.90
36	HANUMANGARH	TIBI	S-NPP	29.60195	74.41616	14:19:00	D	2.60
37	HANUMANGARH	TIBI	S-NPP	29.61458	74.43295	14:19:00	D	4.00

### Details of residue burning events in Madhya Pradesh on 19-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BHIND	GOHAD	AQUA	26.50400	78.29100	13:33:49	D	33.20
2	BHIND	GOHAD	AQUA	26.50700	78.30700	13:33:49	D	17.40
3	BHIND	GOHAD	S-NPP	26.46814	78.33004	12:39:26	D	2.50
4	BHIND	GOHAD	S-NPP	26.50646	78.29771	12:39:26	D	6.00
5	BHIND	GOHAD	S-NPP	26.50701	78.29752	12:39:26	D	5.20
6	BHIND	GOHAD	S-NPP	26.51191	78.29616	12:39:26	D	5.20
7	BHIND	GOHAD	S-NPP	26.51246	78.29594	12:39:26	D	5.20
8	CHHINDWARA	AMARWARA	S-NPP	22.37589	79.12114	12:39:26	D	2.40
9	DAMOH	JABERA	S-NPP	23.56898	79.86523	14:19:00	D	5.10
10	DAMOH	JABERA	S-NPP	23.56916	79.86504	14:19:00	D	3.00
11	DATIA	BHANDER	AQUA	25.88700	78.66300	13:33:49	D	13.60
12	DATIA	BHANDER	S-NPP	25.90812	78.66940	12:39:26	D	3.60
13	GWALIOR	BHITARWAR	AQUA	25.79200	78.01500	13:33:49	D	12.70
14	GWALIOR	BHITARWAR	AQUA	25.80800	78.11200	13:33:49	D	12.20
15	GWALIOR	BHITARWAR	AQUA	25.81100	78.11800	13:33:49	D	12.80
16	GWALIOR	BHITARWAR	AQUA	25.85500	78.17200	13:33:49	D	12.20
17	GWALIOR	BHITARWAR	AQUA	25.91700	78.13500	13:33:49	D	12.10
18	GWALIOR	BHITARWAR	AQUA	25.95000	78.05700	13:33:49	D	19.30
19	GWALIOR	BHITARWAR	S-NPP	25.74725	78.10789	12:39:26	D	3.30
20	GWALIOR	BHITARWAR	S-NPP	25.78700	78.07380	12:39:26	D	2.30
21	GWALIOR	BHITARWAR	S-NPP	25.80484	77.96421	12:39:26	D	2.50
22	GWALIOR	BHITARWAR	S-NPP	25.90885	78.12542	12:39:26	D	2.30
23	GWALIOR	BHITARWAR	S-NPP	25.91837	78.06426	12:39:26	D	4.30
24	GWALIOR	BHITARWAR	S-NPP	25.91988	78.06403	12:39:26	D	2.00
25	GWALIOR	BHITARWAR	S-NPP	25.93196	78.08315	14:19:00	D	7.20
26	GWALIOR	BHITARWAR	S-NPP	25.93340	78.08152	14:19:00	D	4.40
27	GWALIOR	BHITARWAR	S-NPP	25.95160	78.17159	12:39:26	D	3.00
28	GWALIOR	BHITARWAR	S-NPP	25.96888	78.14452	12:39:26	D	6.30
29	GWALIOR	DABRA	AQUA	25.82600	78.26600	13:33:49	D	14.00

30	GWALIOR	DABRA	AQUA	25.82700	78.27300	13:33:49	D	14.80
31	GWALIOR	DABRA	AQUA	25.96500	78.26400	13:33:49	D	12.10
32	GWALIOR	DABRA	S-NPP	25.82664	78.26851	12:39:26	D	4.10
33	GWALIOR	DABRA	S-NPP	25.83218	78.26693	12:39:26	D	3.20
34	GWALIOR	DABRA	S-NPP	25.84997	78.29272	12:39:26	D	2.80
35	GWALIOR	DABRA	S-NPP	25.85353	78.29202	12:39:26	D	1.60
36	GWALIOR	DABRA	S-NPP	25.86164	78.27657	12:39:26	D	3.00
37	GWALIOR	DABRA	S-NPP	25.86369	78.27562	12:39:26	D	2.40
38	GWALIOR	DABRA	S-NPP	25.87139	78.24305	12:39:26	D	3.90
39	GWALIOR	DABRA	S-NPP	25.89777	78.20454	12:39:26	D	3.00
40	GWALIOR	DABRA	S-NPP	25.96696	78.27334	12:39:26	D	4.80
41	GWALIOR	DABRA	S-NPP	25.96979	78.27254	12:39:26	D	3.80
42	GWALIOR	DABRA	S-NPP	25.97434	78.26692	12:39:26	D	3.80
43	HOSHANGABAD	BABAI	S-NPP	22.79786	77.82536	12:39:26	D	6.60
44	HOSHANGABAD	BABAI	S-NPP	22.80269	77.82281	12:39:26	D	5.90
45	HOSHANGABAD	BANKHERI	S-NPP	22.78804	78.54865	12:39:26	D	2.70
46	HOSHANGABAD	BANKHERI	S-NPP	22.83333	78.56654	14:19:00	D	6.30
47	HOSHANGABAD	BANKHERI	S-NPP	22.90016	78.48091	12:39:26	D	4.40
48	HOSHANGABAD	ITARSI	S-NPP	22.40464	77.87259	12:39:26	D	4.40
49	HOSHANGABAD	PIPARIYA	S-NPP	22.78339	78.36391	14:19:00	D	5.90
50	HOSHANGABAD	PIPARIYA	S-NPP	22.81069	78.41692	12:39:26	D	2.80
51	HOSHANGABAD	PIPARIYA	S-NPP	22.94201	78.42086	12:39:26	D	8.10
52	HOSHANGABAD	PIPARIYA	S-NPP	22.94461	78.41850	12:39:26	D	5.50
53	JABALPUR	JABALPUR	AQUA	23.13200	79.99600	13:33:49	D	20.30
54	JABALPUR	JABALPUR	AQUA	23.37100	79.95600	13:33:49	D	11.30
55	JABALPUR	JABALPUR	S-NPP	23.04145	79.96476	12:39:26	D	2.40
56	JABALPUR	JABALPUR	S-NPP	23.10424	80.08622	12:39:26	D	1.90
57	JABALPUR	JABALPUR	S-NPP	23.20804	79.88517	12:39:26	D	3.20
58	JABALPUR	JABALPUR	S-NPP	23.23606	79.85078	14:19:00	D	13.40
59	JABALPUR	JABALPUR	S-NPP	23.23624	79.85286	14:19:00	D	9.30
60	JABALPUR	JABALPUR	S-NPP	23.25509	79.91964	12:39:26	D	4.10
61	JABALPUR	JABALPUR	S-NPP	23.26008	79.89114	12:39:26	D	5.40
62	JABALPUR	JABALPUR	S-NPP	23.28372	79.96326	12:39:26	D	7.60



63	JABALPUR	JABALPUR	S-NPP	23.28676	79.96172	12:39:26	D	7.40
64	JABALPUR	JABALPUR	S-NPP	23.29712	79.89805	12:39:26	D	5.60
65	JABALPUR	JABALPUR	S-NPP	23.30200	79.86953	12:39:26	D	2.80
66	JABALPUR	JABALPUR	S-NPP	23.30696	79.94189	12:39:26	D	5.40
67	JABALPUR	JABALPUR	S-NPP	23.31022	79.90630	12:39:26	D	2.20
68	JABALPUR	JABALPUR	S-NPP	23.31155	80.02426	12:39:26	D	2.50
69	JABALPUR	JABALPUR	S-NPP	23.31466	80.00124	12:39:26	D	3.60
70	JABALPUR	JABALPUR	S-NPP	23.35274	79.89527	12:39:26	D	7.80
71	JABALPUR	JABALPUR	S-NPP	23.35355	79.89895	12:39:26	D	5.00
72	JABALPUR	JABALPUR	S-NPP	23.35436	79.90261	12:39:26	D	5.00
73	JABALPUR	MAJHOULI	AQUA	23.44200	79.98500	13:33:49	D	32.00
74	JABALPUR	MAJHOULI	AQUA	23.44600	79.97900	13:33:49	D	16.80
75	JABALPUR	MAJHOULI	AQUA	23.46900	79.98800	13:33:49	D	24.40
76	JABALPUR	MAJHOULI	AQUA	23.51000	79.90700	13:33:49	D	22.90
77	JABALPUR	MAJHOULI	AQUA	23.53200	80.16100	13:33:49	D	16.30
78	JABALPUR	MAJHOULI	S-NPP	23.35373	79.97586	12:39:26	D	4.60
79	JABALPUR	MAJHOULI	S-NPP	23.43860	80.04070	12:39:26	D	2.00
80	JABALPUR	MAJHOULI	S-NPP	23.44801	80.00802	12:39:26	D	4.10
81	JABALPUR	MAJHOULI	S-NPP	23.47910	80.02275	12:39:26	D	2.80
82	JABALPUR	MAJHOULI	S-NPP	23.48200	80.01064	12:39:26	D	4.80
83	JABALPUR	MAJHOULI	S-NPP	23.48306	79.96484	12:39:26	D	6.90
84	JABALPUR	MAJHOULI	S-NPP	23.48831	80.03929	12:39:26	D	4.80
85	JABALPUR	MAJHOULI	S-NPP	23.49041	79.87080	12:39:26	D	3.80
86	JABALPUR	MAJHOULI	S-NPP	23.49209	79.86942	12:39:26	D	3.70
87	JABALPUR	MAJHOULI	S-NPP	23.52195	80.11698	12:39:26	D	2.10
88	JABALPUR	MAJHOULI	S-NPP	23.52231	79.90401	12:39:26	D	4.00
89	JABALPUR	MAJHOULI	S-NPP	23.53756	80.14520	12:39:26	D	4.00
90	JABALPUR	MAJHOULI	S-NPP	23.53855	80.14249	12:39:26	D	2.30
91	JABALPUR	MAJHOULI	S-NPP	23.54878	79.89716	12:39:26	D	8.30
92	JABALPUR	MAJHOULI	S-NPP	23.55125	80.03344	12:39:26	D	3.50
93	JABALPUR	MAJHOULI	S-NPP	23.57665	79.94736	12:39:26	D	4.00
94	JABALPUR	MAJHOULI	S-NPP	23.58113	79.94238	12:39:26	D	6.60
95	JABALPUR	PATAN	AQUA	23.27700	79.69900	13:33:49	D	17.80

96	JABALPUR	PATAN	S-NPP	23.20413	79.74031	12:39:26	D	9.10
97	JABALPUR	PATAN	S-NPP	23.21322	79.72997	12:39:26	D	3.40
98	JABALPUR	PATAN	S-NPP	23.21405	79.73373	12:39:26	D	3.40
99	JABALPUR	PATAN	S-NPP	23.21496	79.78911	12:39:26	D	3.70
100	JABALPUR	PATAN	S-NPP	23.22469	79.72805	12:39:26	D	3.80
101	JABALPUR	PATAN	S-NPP	23.25043	79.79572	12:39:26	D	8.10
102	JABALPUR	PATAN	S-NPP	23.25076	79.79268	12:39:26	D	4.90
103	JABALPUR	PATAN	S-NPP	23.25160	79.79640	12:39:26	D	4.90
104	JABALPUR	PATAN	S-NPP	23.26200	79.81732	12:39:26	D	5.00
105	JABALPUR	PATAN	S-NPP	23.26603	79.81530	12:39:26	D	15.20
106	JABALPUR	PATAN	S-NPP	23.26735	79.81595	12:39:26	D	11.10
107	JABALPUR	PATAN	S-NPP	23.27387	79.79462	12:39:26	D	4.70
108	JABALPUR	PATAN	S-NPP	23.27471	79.79833	12:39:26	D	4.70
109	JABALPUR	PATAN	S-NPP	23.28123	79.77695	12:39:26	D	6.50
110	JABALPUR	PATAN	S-NPP	23.32455	79.84427	12:39:26	D	2.20
111	JABALPUR	PATAN	S-NPP	23.37625	79.83804	12:39:26	D	1.80
112	JABALPUR	SAHPURA	AQUA	23.18300	79.81500	13:33:49	D	9.60
113	JABALPUR	SAHPURA	AQUA	23.18400	79.63200	13:33:49	D	12.80
114	JABALPUR	SAHPURA	S-NPP	23.16392	79.73874	12:39:26	D	4.50
115	JABALPUR	SAHPURA	S-NPP	23.20329	79.73654	12:39:26	D	8.80
116	JABALPUR	SIHORA	AQUA	23.44500	80.12800	13:33:49	D	8.80
117	JABALPUR	SIHORA	AQUA	23.46900	80.08000	13:33:49	D	18.70
118	JABALPUR	SIHORA	AQUA	23.47400	80.07400	13:33:49	D	18.50
119	JABALPUR	SIHORA	S-NPP	23.37625	80.10295	12:39:26	D	1.80
120	JABALPUR	SIHORA	S-NPP	23.43547	80.24726	12:39:26	D	4.70
121	JABALPUR	SIHORA	S-NPP	23.44398	80.11445	12:39:26	D	4.40
122	JABALPUR	SIHORA	S-NPP	23.46149	80.21748	12:39:26	D	1.80
123	JABALPUR	SIHORA	S-NPP	23.46214	80.21832	12:39:26	D	1.50
124	JABALPUR	SIHORA	S-NPP	23.46227	80.22097	12:39:26	D	1.80
125	JABALPUR	SIHORA	S-NPP	23.46256	80.17293	12:39:26	D	4.00
126	JABALPUR	SIHORA	S-NPP	23.46289	80.22182	12:39:26	D	1.50
127	KATNI	BAHURIBAND	S-NPP	23.67583	80.10134	12:39:26	D	3.60
128	KATNI	BAHURIBAND	S-NPP	23.67772	80.06023	12:39:26	D	1.20

129	KATNI	BAHURIBAND	S-NPP	23.70018	80.06184	12:39:26	D	3.90
130	KATNI	BAHURIBAND	S-NPP	23.72143	79.96750	12:39:26	D	5.40
131	KATNI	BAHURIBAND	S-NPP	23.72349	79.96631	12:39:26	D	3.90
132	KATNI	BARBARA	S-NPP	23.82872	80.57601	12:39:26	D	3.50
133	KATNI	RITHI	S-NPP	23.88462	79.98417	12:39:26	D	3.20
134	MANDLA	NAINPUR	S-NPP	22.41355	80.15771	12:39:26	D	3.00
135	MANDLA	NAINPUR	S-NPP	22.43037	80.15741	12:39:26	D	4.20
136	MANDLA	NAINPUR	S-NPP	22.43571	80.15607	12:39:26	D	4.20
137	MANDLA	NAINPUR	S-NPP	22.46949	80.12363	12:39:26	D	3.70
138	MANDLA	NAINPUR	S-NPP	22.51608	80.05328	12:39:26	D	1.70
139	NARSHIMAPURA	GADARWARA	S-NPP	22.84656	78.69524	12:39:26	D	2.70
140	NARSHIMAPURA	GOTECAON	S-NPP	22.98696	79.41534	14:19:00	D	5.80
141	NARSHIMAPURA	GOTECAON	S-NPP	22.98960	79.41652	14:19:00	D	8.80
142	NARSHIMAPURA	GOTECAON	S-NPP	23.00788	79.50648	12:39:26	D	2.40
143	PANNA	PANNA	S-NPP	24.79342	80.44952	12:39:26	D	2.10
144	PANNA	SHAHNAGAR	S-NPP	23.93263	79.90044	12:39:26	D	3.50
145	RAISEN	GOHARGANJ	S-NPP	23.06950	77.62165	12:39:26	D	3.40
146	RAISEN	GOHARGANJ	S-NPP	23.08600	77.59321	14:19:00	D	5.00
147	RAISEN	GOHARGANJ	S-NPP	23.08620	77.59506	14:19:00	D	7.00
148	RAISEN	RAISEN	S-NPP	23.49420	77.76585	12:39:26	D	3.20
149	RAISEN	SILVANI	S-NPP	23.17217	78.25196	01:29:26	N	0.40
150	REWA	GURH	S-NPP	24.49745	81.48440	12:39:26	D	3.70
151	SATNA	NAGOD	AQUA	24.51000	80.52000	13:33:49	D	13.00
152	SATNA	NAGOD	S-NPP	24.47734	80.47540	12:39:26	D	2.10
153	SATNA	NAGOD	S-NPP	24.50887	80.53291	12:39:26	D	1.70
154	SATNA	NAGOD	S-NPP	24.51109	80.53410	12:39:26	D	2.40
155	SATNA	NAGOD	S-NPP	24.55147	80.55885	12:39:26	D	1.40
156	SATNA	NAGOD	S-NPP	24.67376	80.56898	12:39:26	D	2.90
157	SATNA	NAGOD	S-NPP	24.68063	80.50389	12:39:26	D	1.80
158	SATNA	RAMPURBAGHLEAN	S-NPP	24.40504	80.91375	12:39:26	D	4.50
159	SATNA	RAMPURBAGHLEAN	S-NPP	24.57102	81.12861	12:39:26	D	5.20
160	SATNA	RAMPURBAGHLEAN	S-NPP	24.57814	81.11444	12:39:26	D	4.40
161	SATNA	RAMPURBAGHLEAN	S-NPP	24.64692	81.06973	12:39:26	D	4.90

162	SEONI	BARGHAT	S-NPP	22.05862	79.69566	12:39:26	D	2.70
163	SEONI	GHANSAUR	AQUA	22.39600	79.81500	13:33:49	D	10.90
164	SEONI	GHANSAUR	S-NPP	22.41329	79.80836	14:19:00	D	5.10
165	SEONI	GHANSAUR	S-NPP	22.44934	79.75026	12:39:26	D	3.10
166	SEONI	GHANSAUR	S-NPP	22.54308	79.86149	12:39:26	D	4.40
167	SEONI	KEWLARI	S-NPP	22.27042	79.88071	14:19:00	D	7.10
168	SEONI	KEWLARI	S-NPP	22.40488	80.01495	12:39:26	D	2.30
169	SEONI	KEWLARI	S-NPP	22.40929	80.06103	12:39:26	D	2.70
170	SEONI	KEWLARI	S-NPP	22.46867	80.01820	12:39:26	D	3.20
171	SEONI	LAKHNADOU	S-NPP	22.50501	79.44453	12:39:26	D	3.50
172	SEONI	LAKHNADOU	S-NPP	22.50805	79.44394	12:39:26	D	4.00
173	SEONI	SEONI	S-NPP	22.07890	79.41730	12:39:26	D	7.70
174	SEONI	SEONI	S-NPP	22.08040	79.41679	12:39:26	D	7.80
175	SEONI	SEONI	S-NPP	22.17764	79.40070	12:39:26	D	4.60
176	SEONI	SEONI	S-NPP	22.18326	79.39931	12:39:26	D	4.60
177	SEONI	SEONI	S-NPP	22.25110	79.50482	12:39:26	D	8.80
178	SEONI	SEONI	S-NPP	22.27559	79.79441	12:39:26	D	2.90
179	SEONI	SEONI	S-NPP	22.28803	79.82397	12:39:26	D	3.80
180	SEONI	SEONI	S-NPP	22.28877	79.82624	12:39:26	D	3.00
181	SEONI	SEONI	S-NPP	22.28902	79.72546	12:39:26	D	5.40
182	SEONI	SEONI	S-NPP	22.30468	79.71767	12:39:26	D	4.60
183	SHIVPURI	NARWAR	S-NPP	25.63724	78.26662	12:39:26	D	2.30
184	SHIVPURI	NARWAR	S-NPP	25.63919	78.27504	12:39:26	D	8.10
185	SHIVPURI	NARWAR	S-NPP	25.64016	78.26605	12:39:26	D	2.90
186	SHIVPURI	NARWAR	S-NPP	25.71922	77.96483	12:39:26	D	3.80
187	UMARIA	BANDHOGARH	S-NPP	23.63044	80.66737	12:39:26	D	4.30

**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)**

**Study Team**

ICAR – HQ	Dr Rajbir Singh	ADG-NRM (AAF&CC)	<a href="mailto:raibirsingh.nrm@gmail.com">raibirsingh.nrm@gmail.com</a>
ICAR - IARI	<b>Dr V.K. Sehgal</b>	Pr. Scientist & Nodal Officer	<a href="mailto:iaricreams@gmail.com">iaricreams@gmail.com</a>
	Dr Rajkumar Dhakar	Scientist	<a href="mailto:rajdhakar.iari@gmail.com">rajdhakar.iari@gmail.com</a>
	Mr Mohd Jahangir	Lab Assistant (KRISHI)	<a href="mailto:mjahangir198@gmail.com">mjahangir198@gmail.com</a>
ICAR - ATARI	Dr Parvender Sheoran	Director ATARI (Zone-I) Ludhiana	<a href="mailto:zcu1ldh@gmail.com">zcu1ldh@gmail.com</a>
	Dr. J.P. Mishra	Director ATARI (Zone-II) Jodhpur	<a href="mailto:jp.mishra67@gov.in">jp.mishra67@gov.in</a>
	Dr S.K. Dubey	Director ATARI (Zone-III) Kanpur	<a href="mailto:zpdicarkanpur@gmail.com">zpdicarkanpur@gmail.com</a>
ICAR - IASRI	Dr Rajender Parsad	Director	<a href="mailto:rajender.parsad@icar.gov.in">rajender.parsad@icar.gov.in</a>

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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