



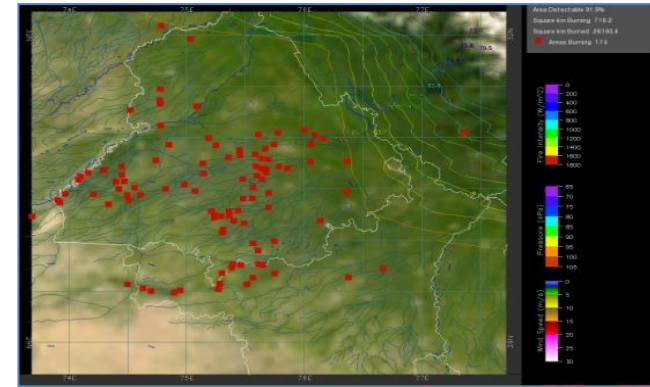
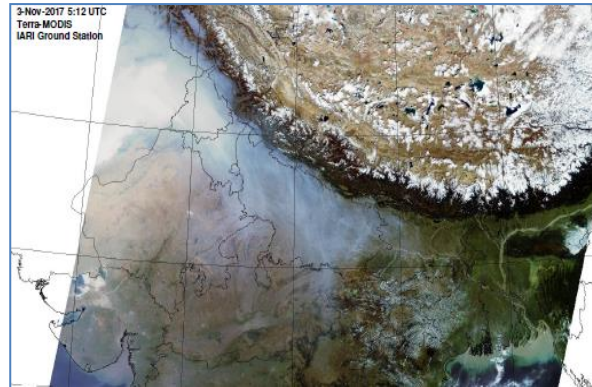
**Bulletin  
No. 67**

**Events Date:  
20-Nov-2022**

**Issued on:  
20-Nov-2022**



# **MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2022**



**Prepared by:**

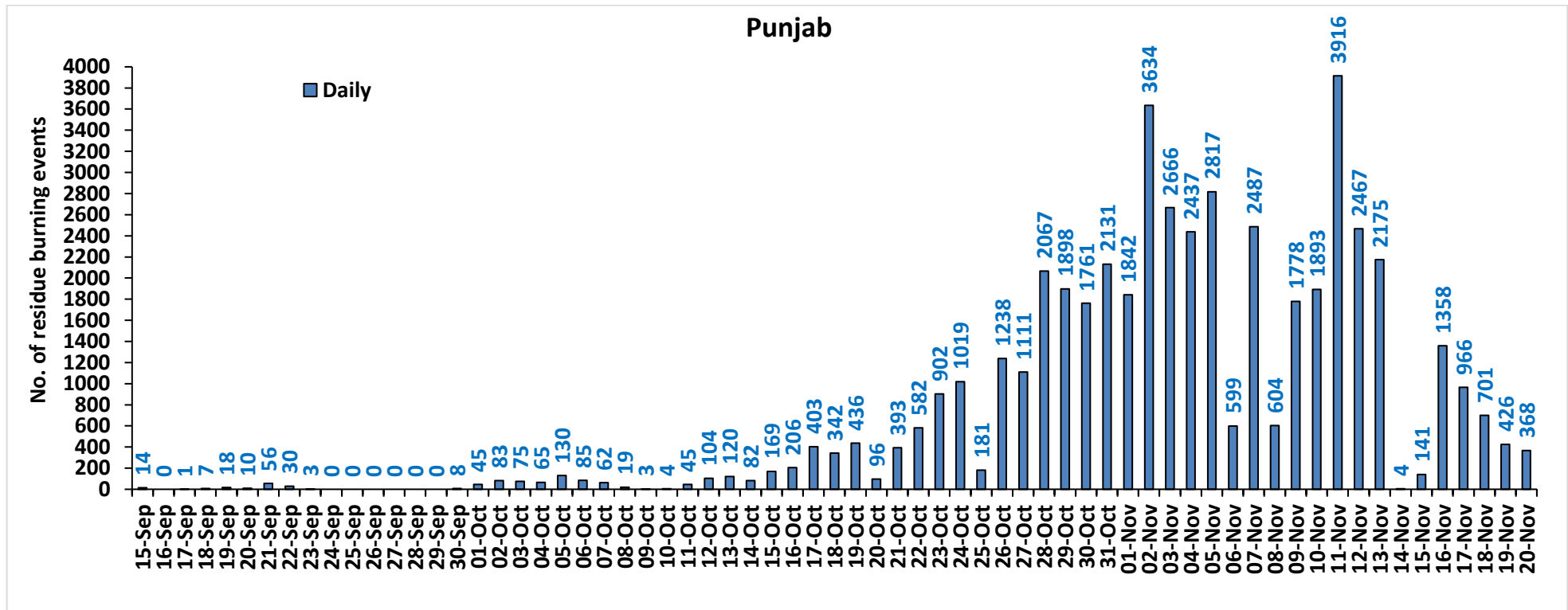
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,  
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

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

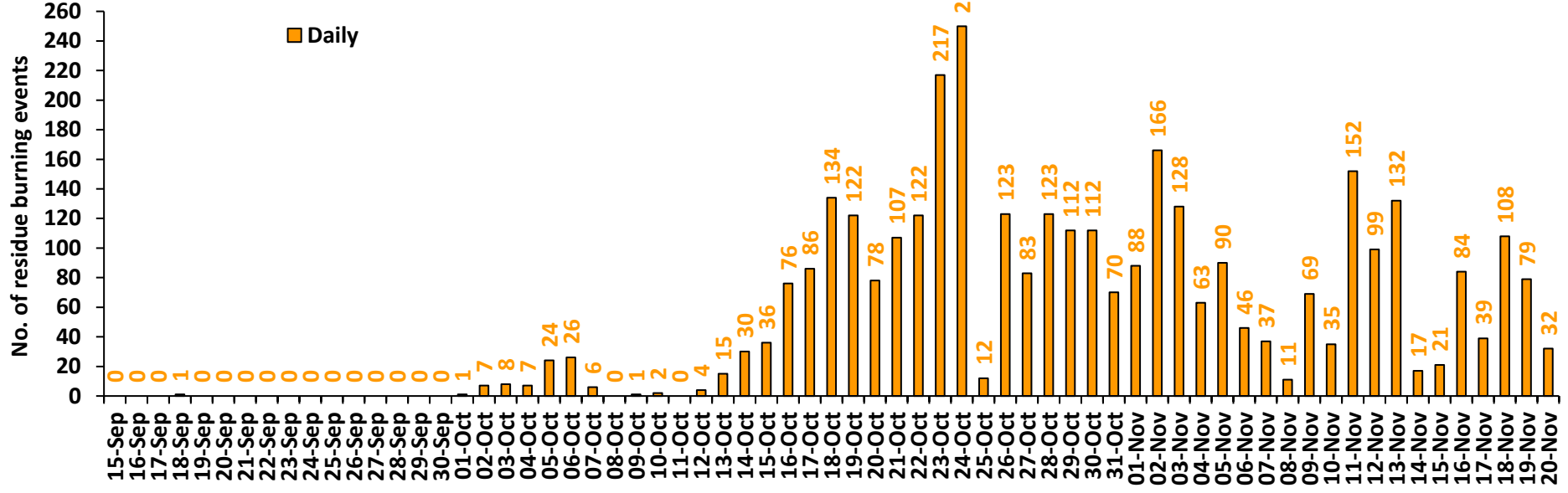
## Highlights for 20-Nov-2022

- 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 **1139** residue burning events in the six study States on 20-Nov-2022.
- The state wise events detected on 20-Nov-2022 were **368** in Punjab, **32** in Haryana, **168** in UP, **0** in Delhi, **15** in Rajasthan and **556** in MP.
- Total **65812** burning events were detected in the six states between 15-Sept-2022 and 20-Nov-2022, which are distributed as **49283**, **3491**, **1905**, **9**, **1215** and **9909** in Punjab, Haryana, UP, Delhi, Rajasthan and MP respectively.

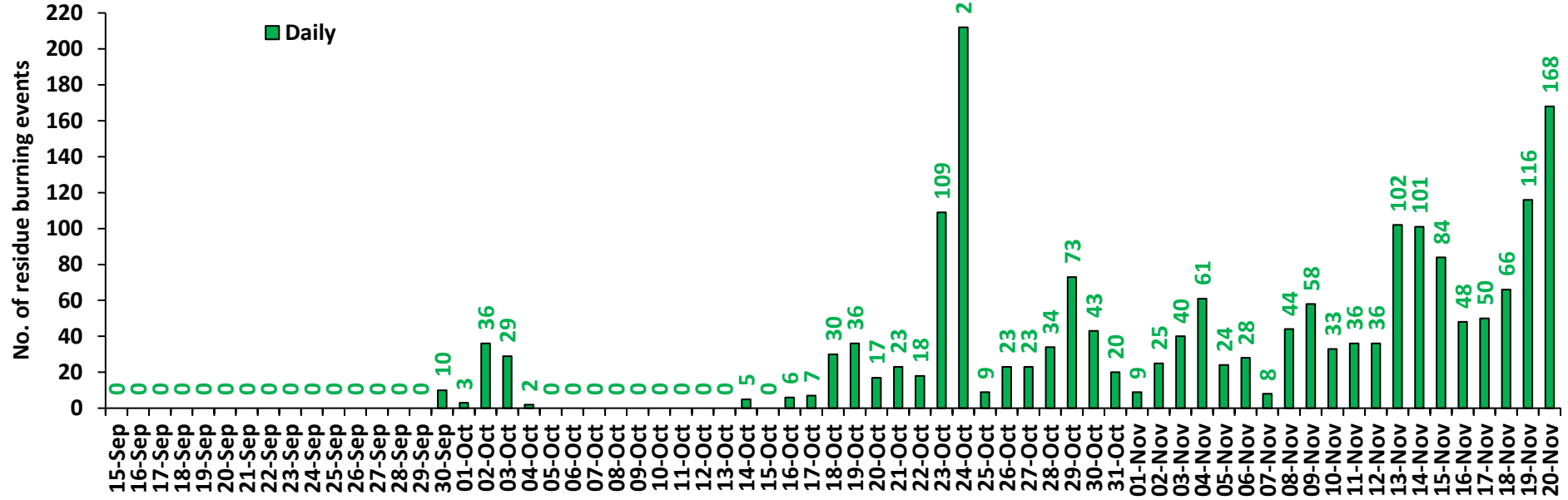
### Temporal distribution of rice residue burning events for the study States in 2022



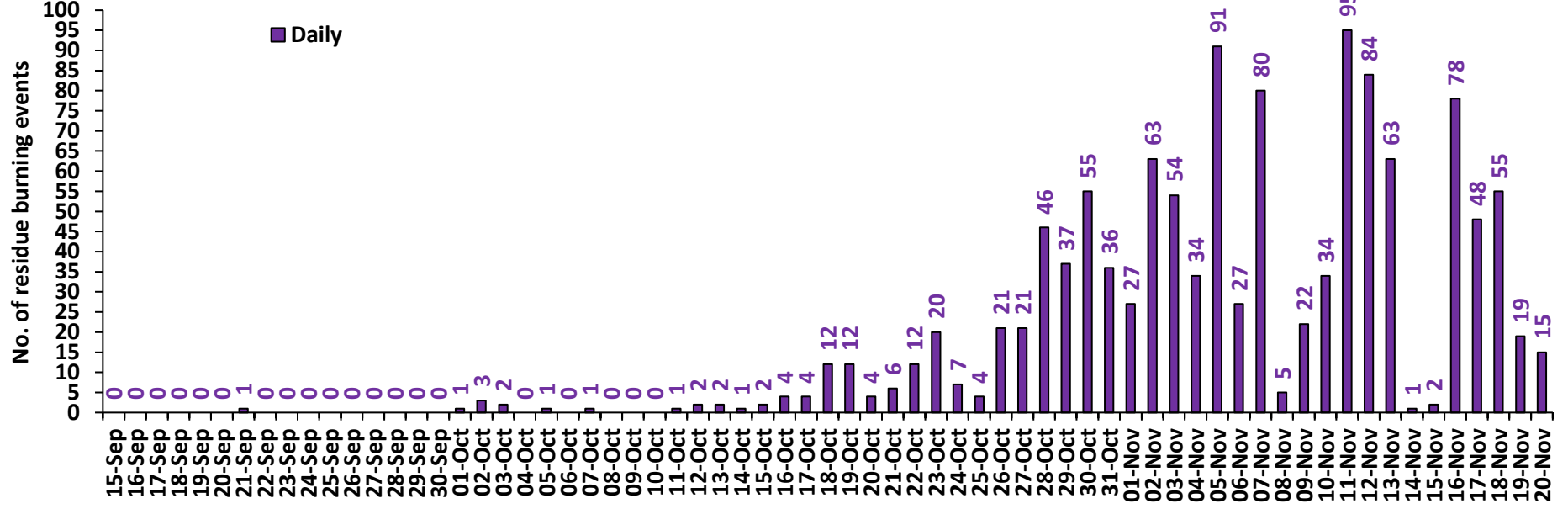
### Haryana



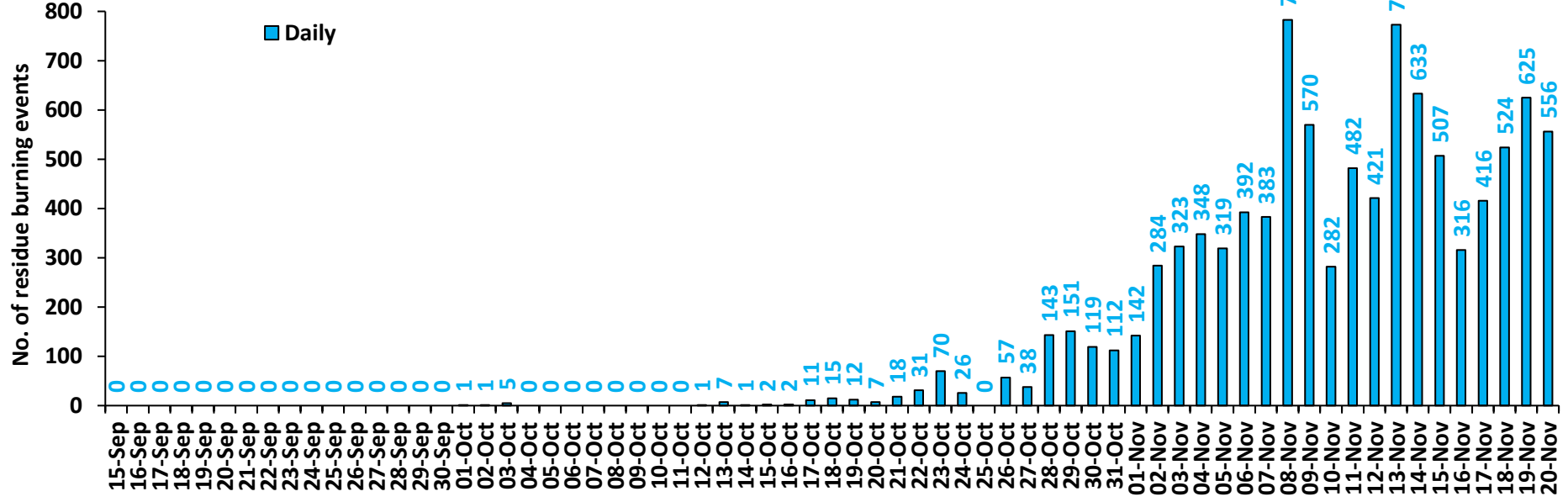
### Uttar Pradesh



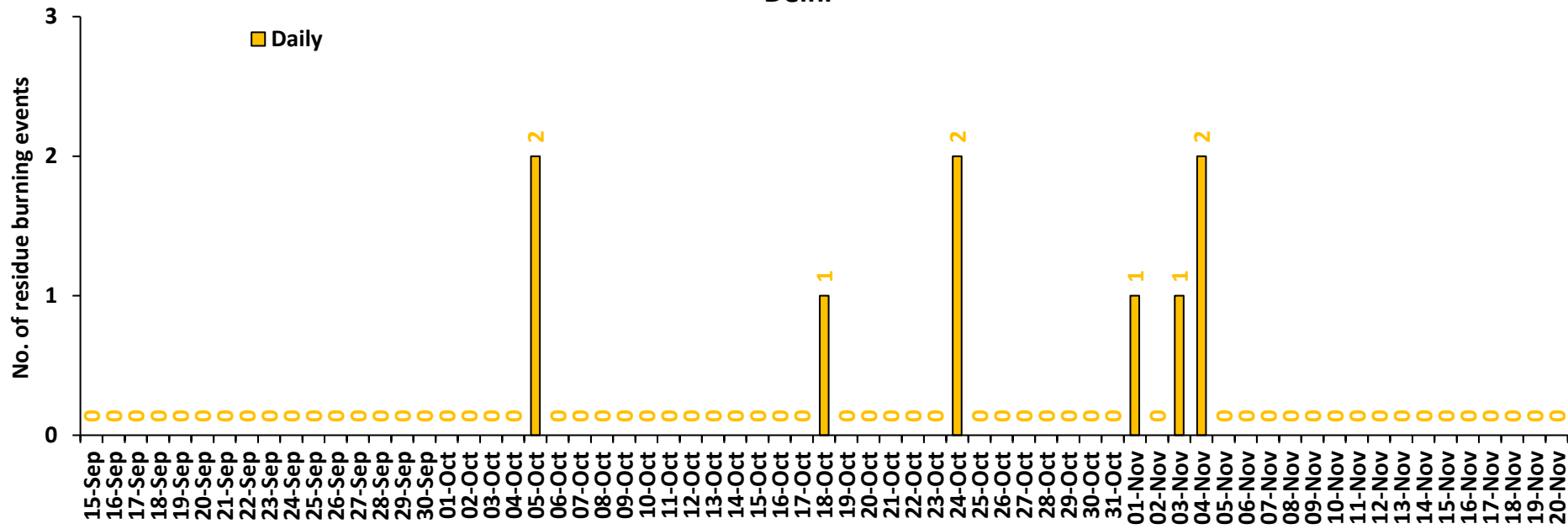
### Rajasthan



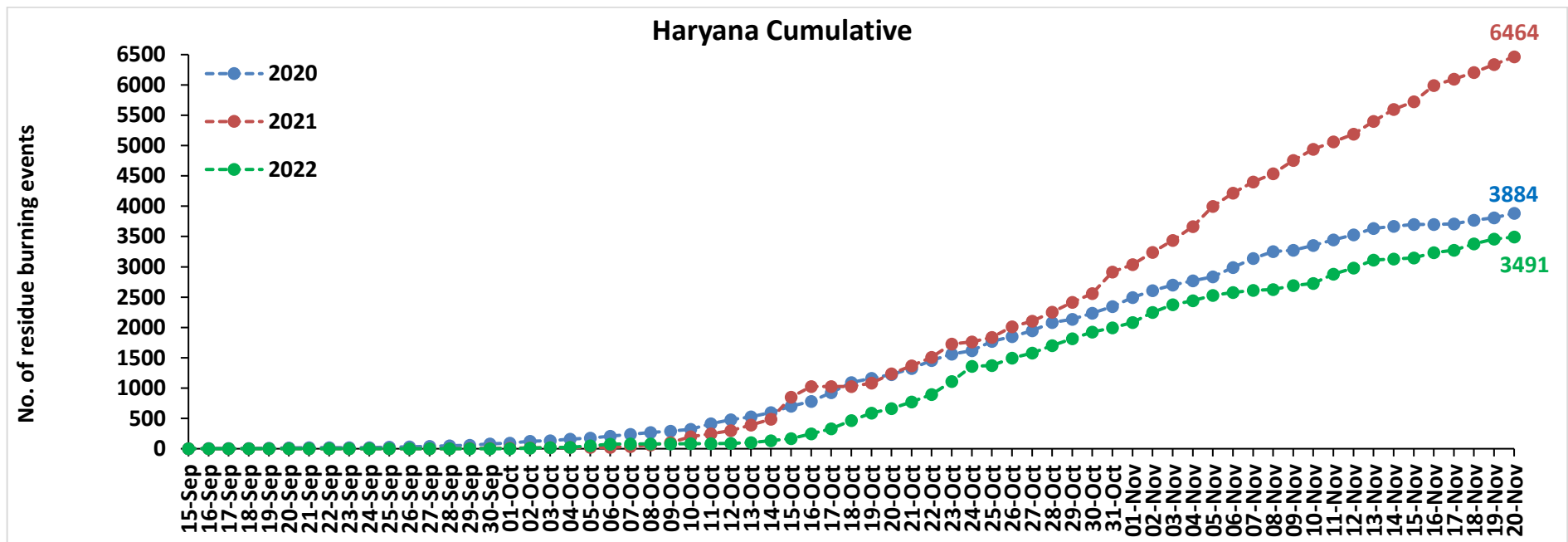
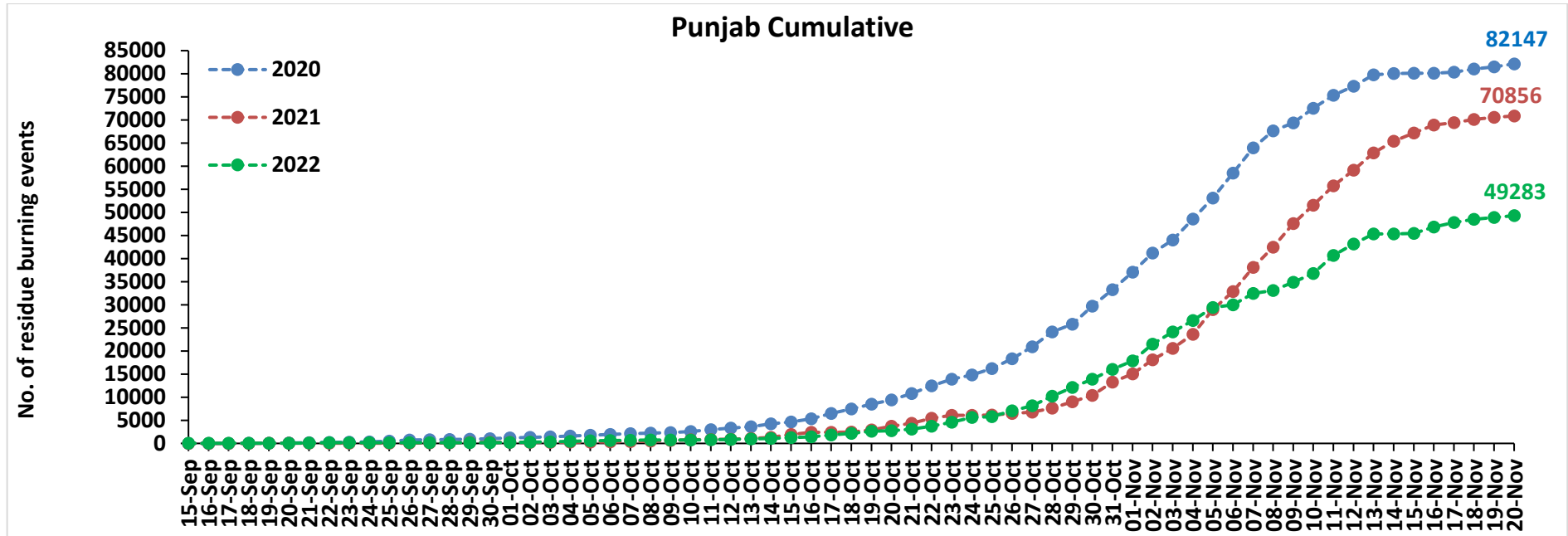
### Madhya Pradesh



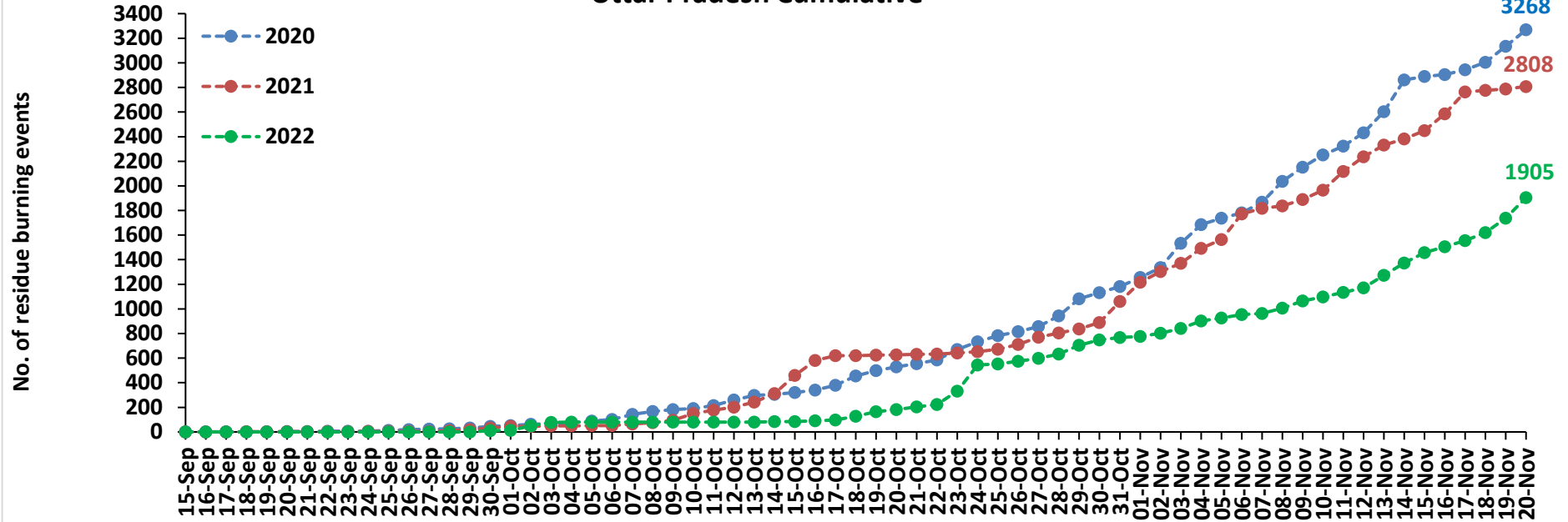
# Delhi



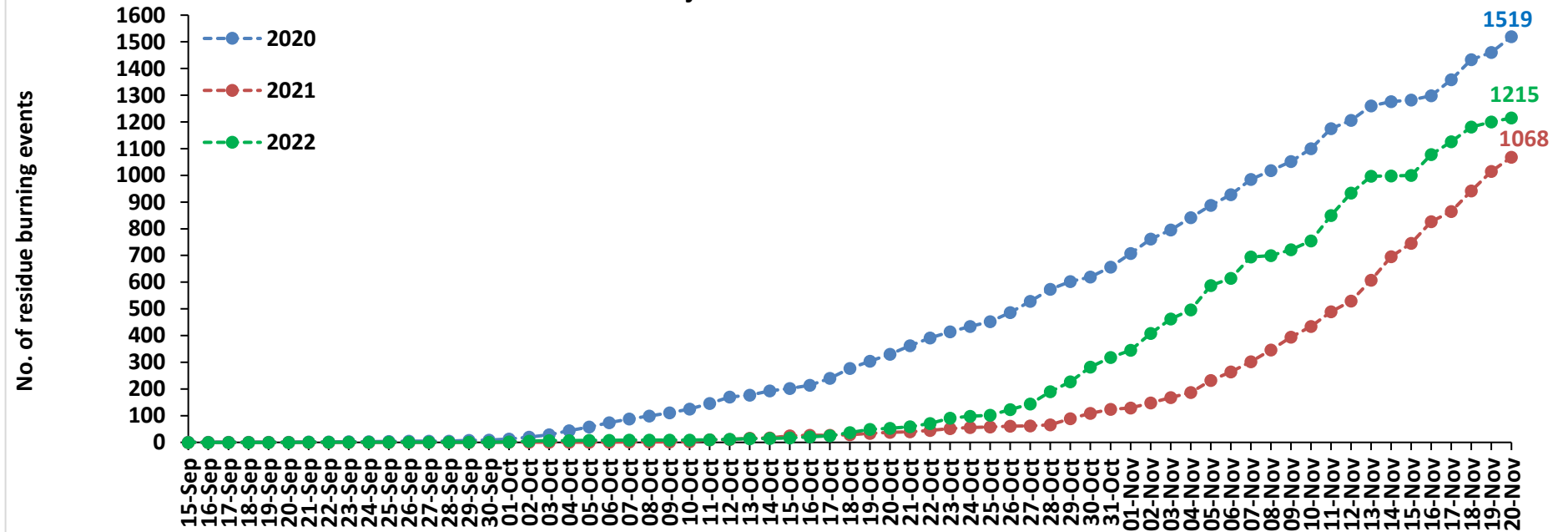
**Comparison of residue burning events in current year (2022) with previous years (2020 and 2021) for the study States**



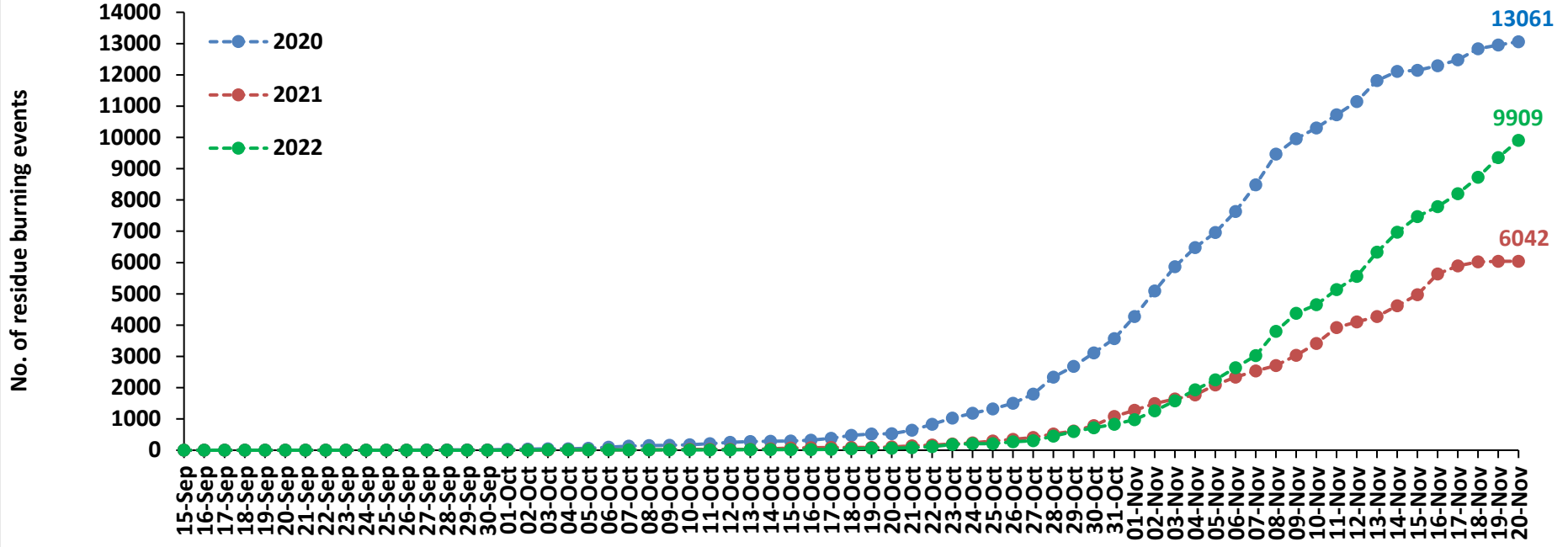
### Uttar Pradesh Cumulative



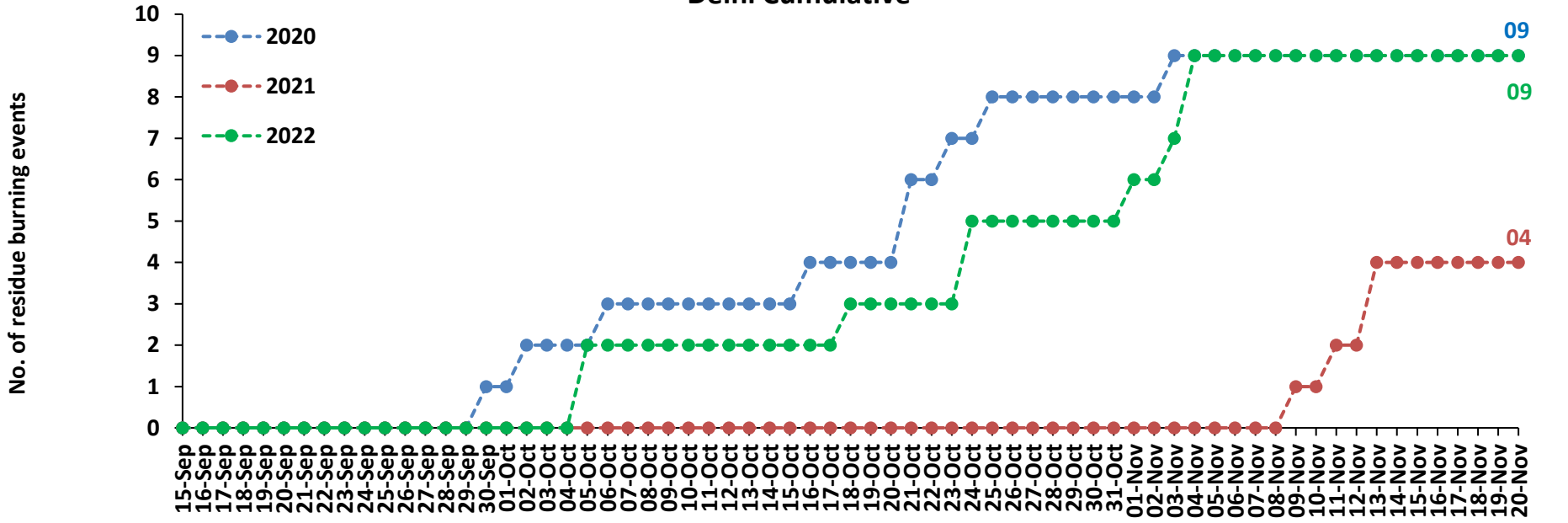
### Rajashtan Cumulative



### Madhya Pradesh Cumulative

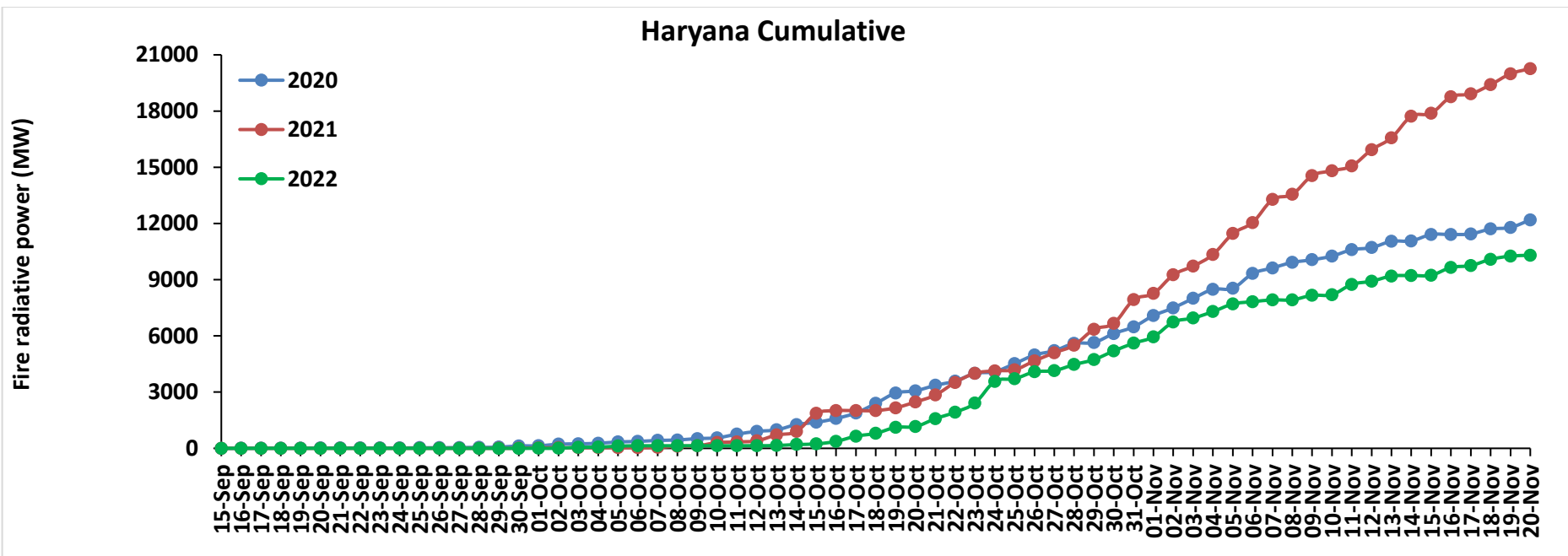
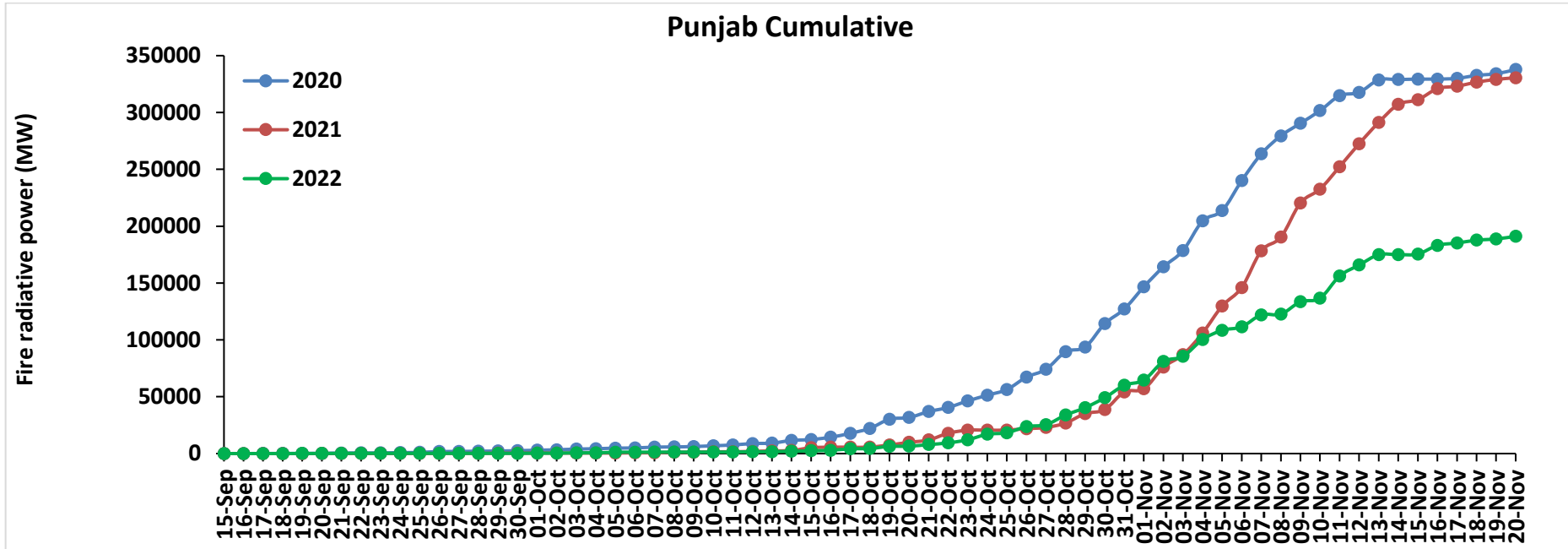


### Delhi Cumulative

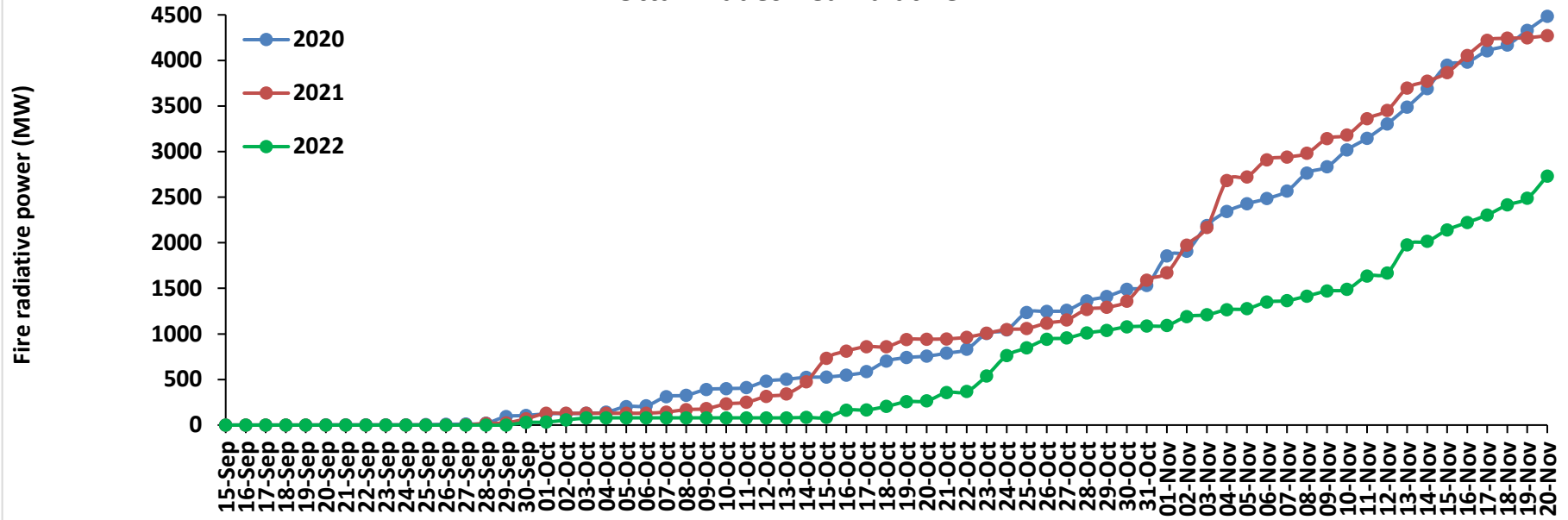




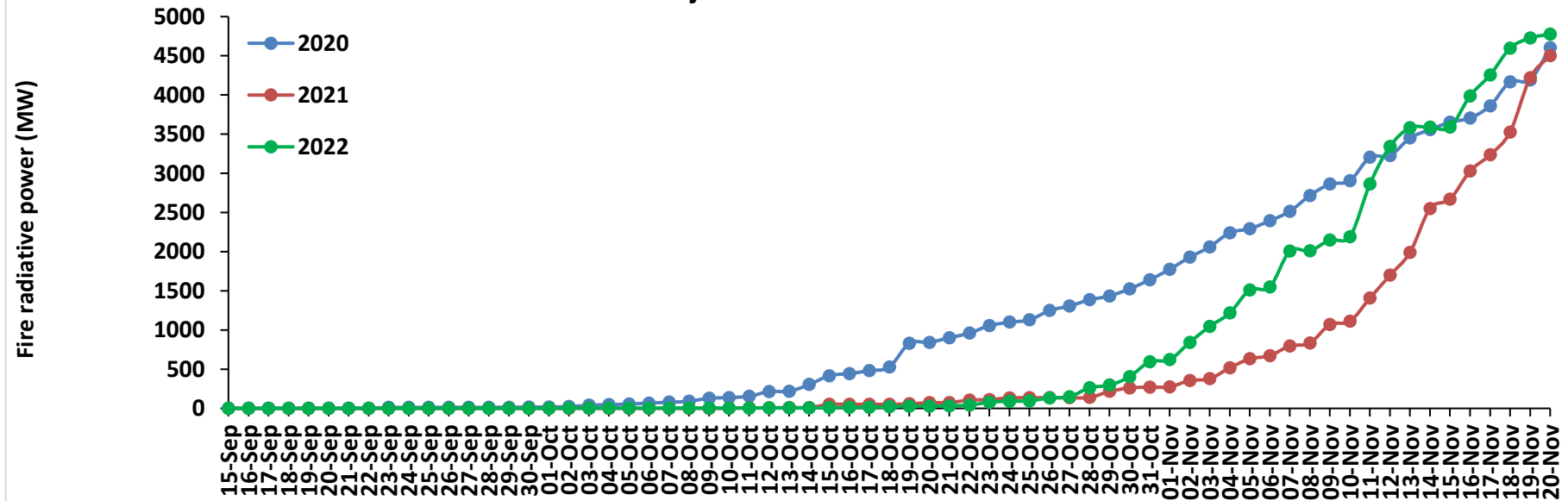
**Comparison of residue burning fire power in current year (2022) with previous years (2021 and 2020) for the study States**



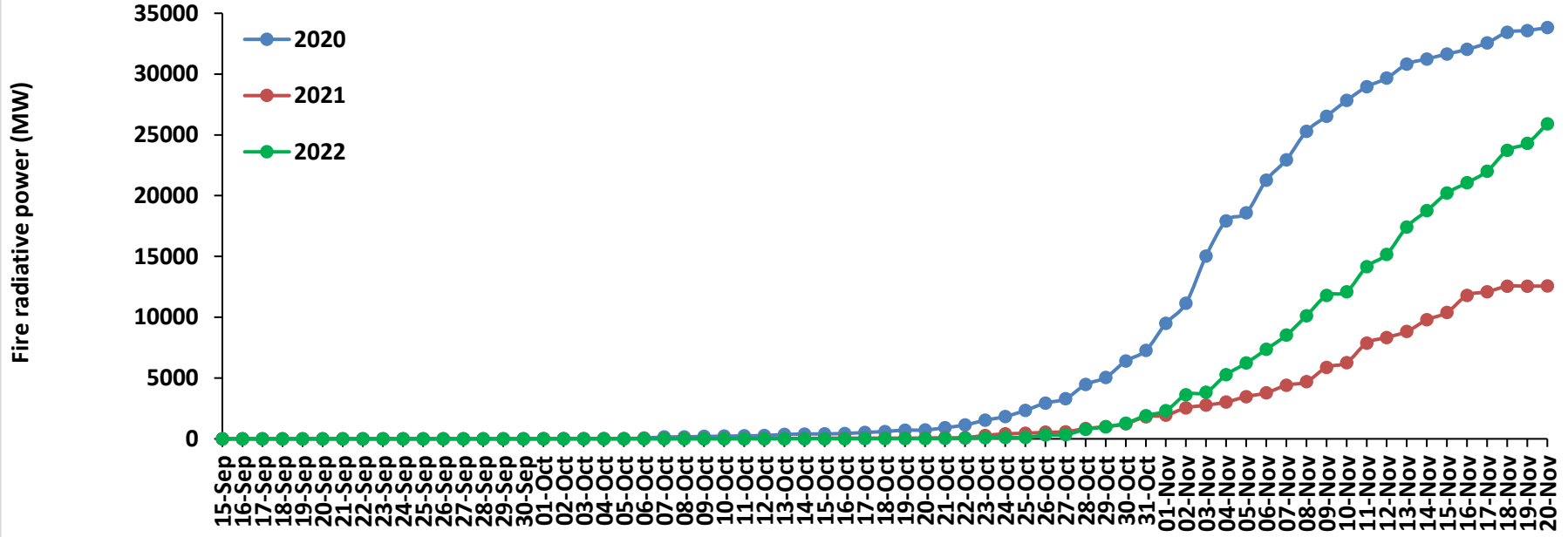
### Uttar Pradesh Cumulative



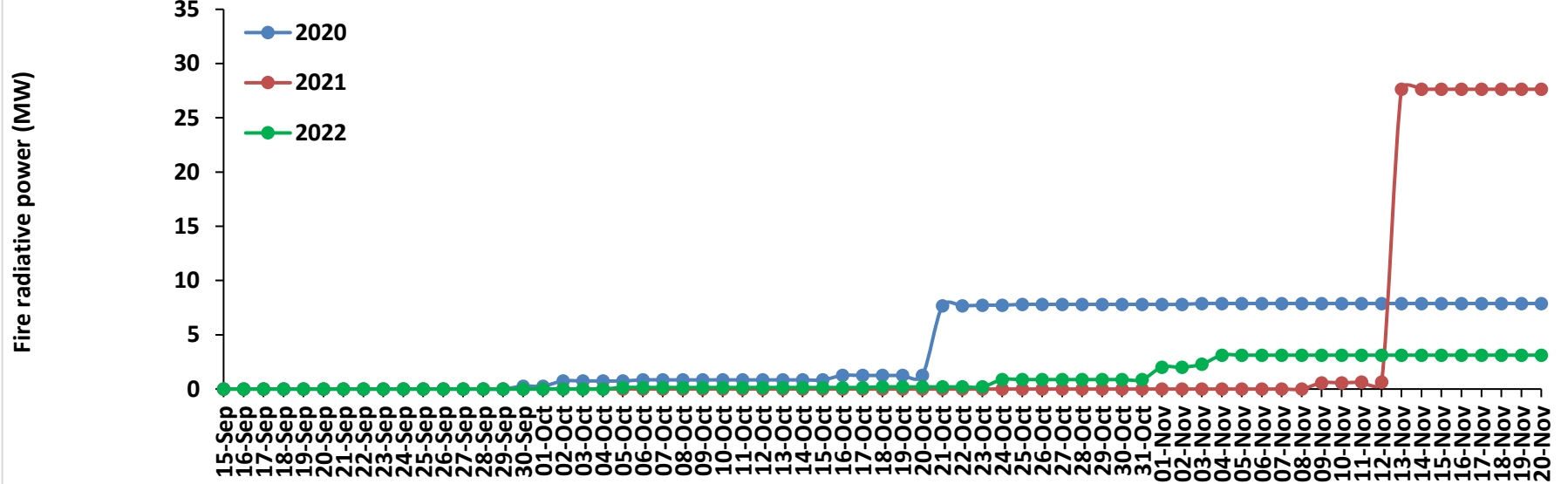
### Rajasthan Cumulative



### Madhya Pradesh Cumulative

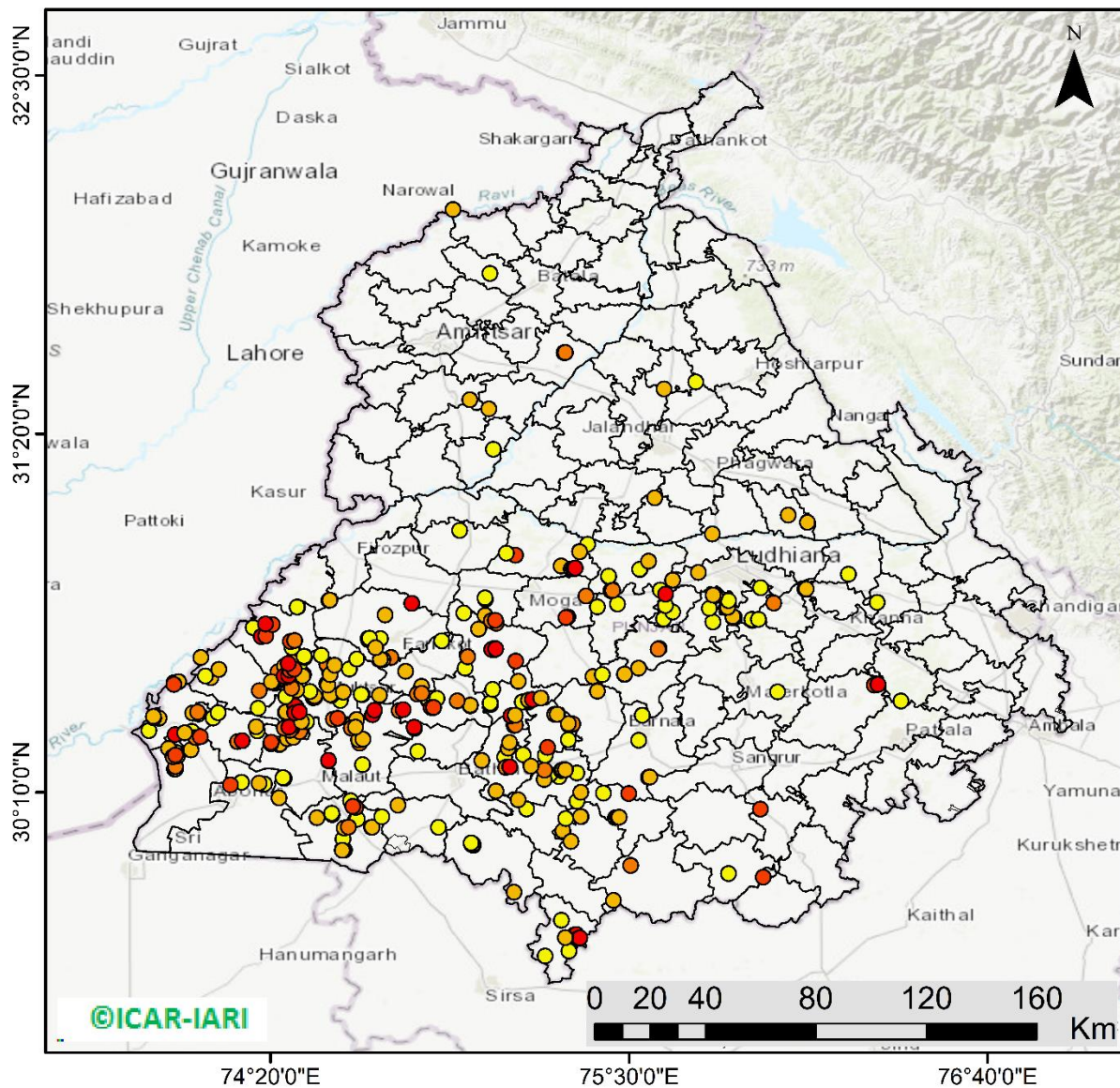


### Delhi Cumulative



# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**368** burning events detected in Punjab during (20th Nov 2022)

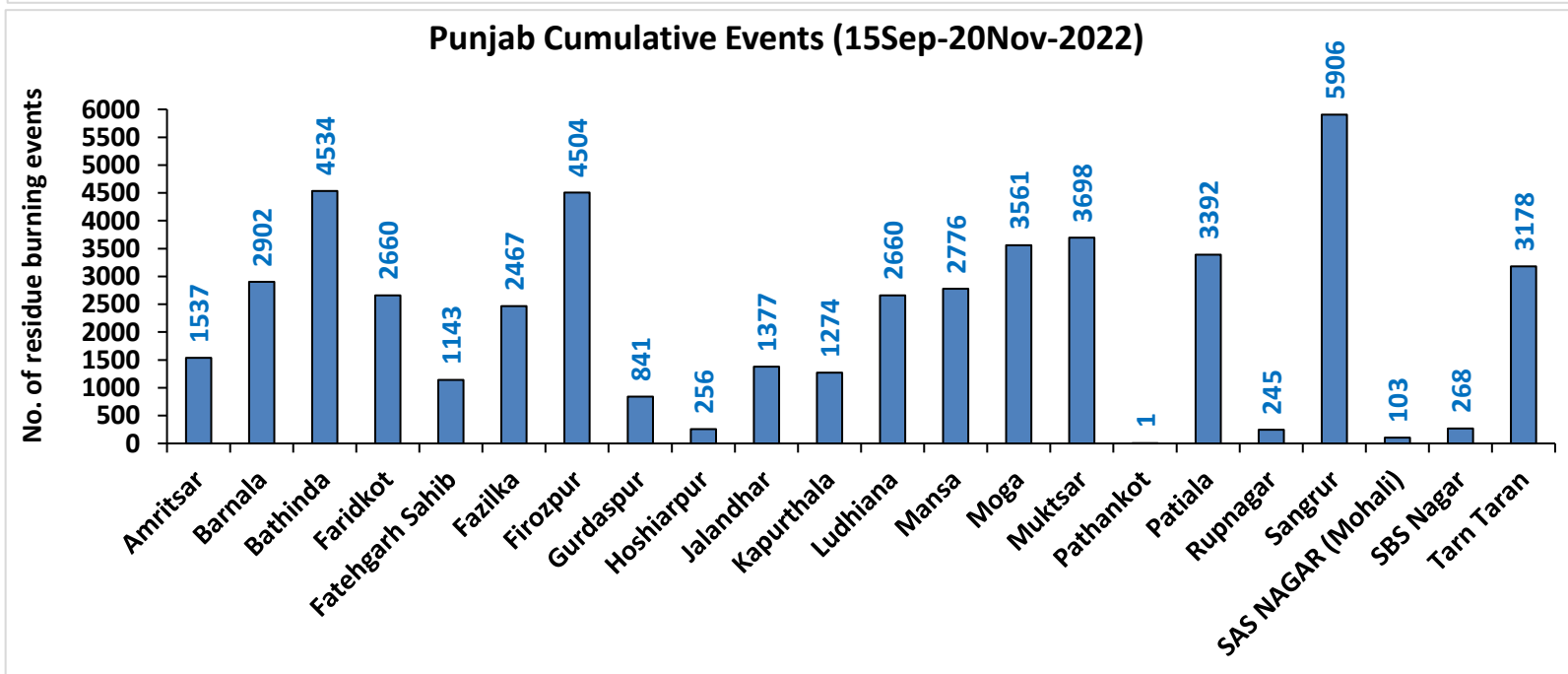
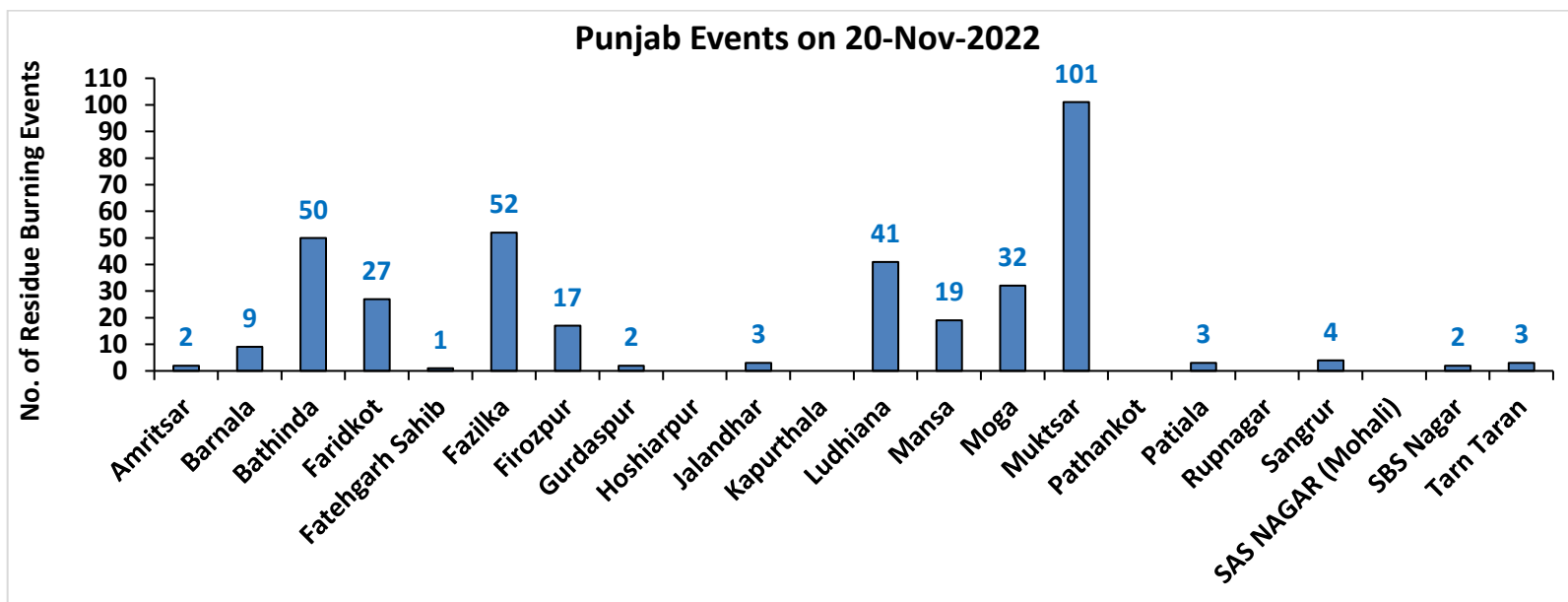
### Fire Intensity (W/m<sup>2</sup>)

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



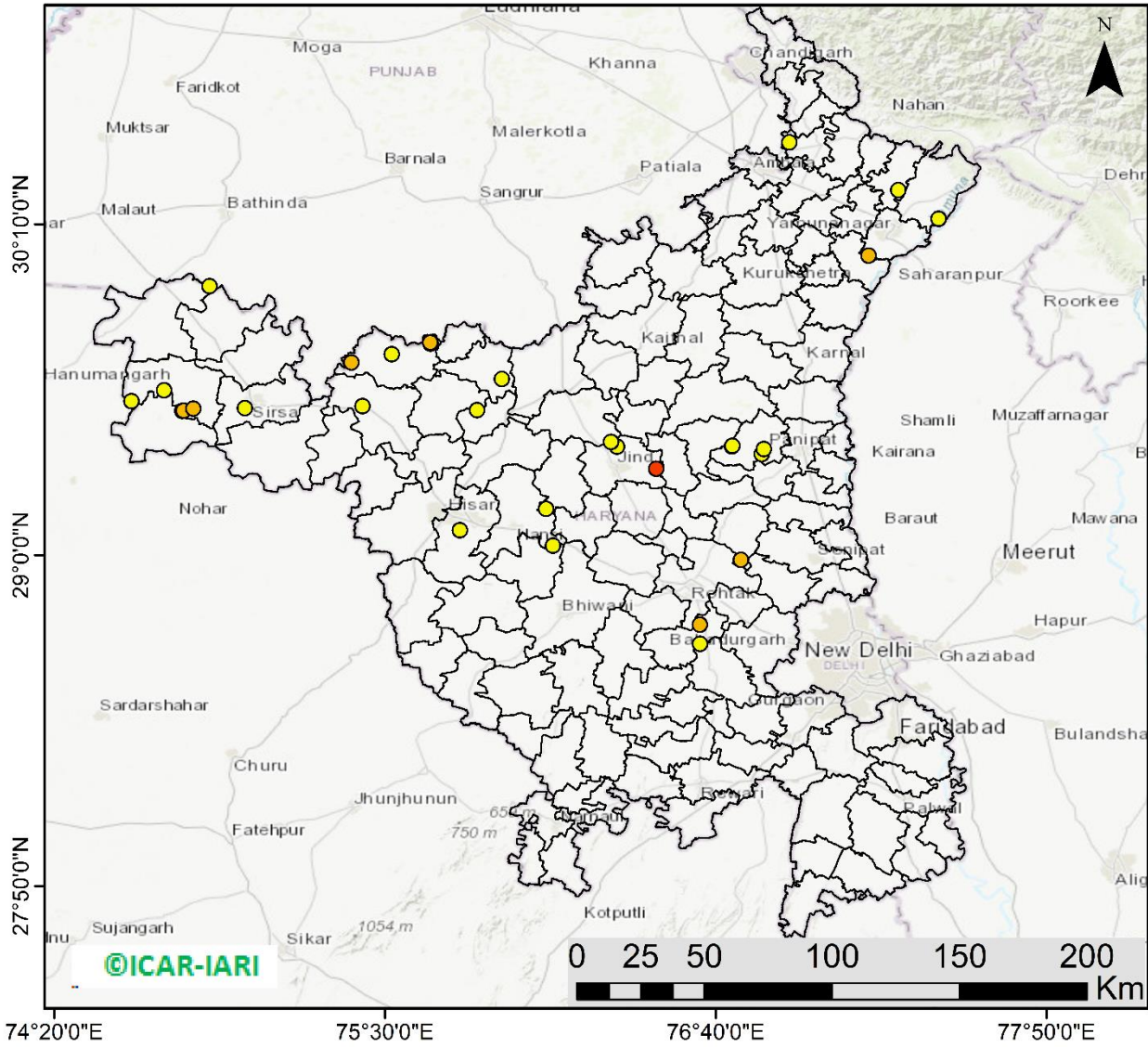
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Punjab (15Sep- 20Nov-2022)



# Haryana

## RICE RESIDUE BURNING IN HARYANA



**32** burning events detected in Haryana on (20th Nov 2022)

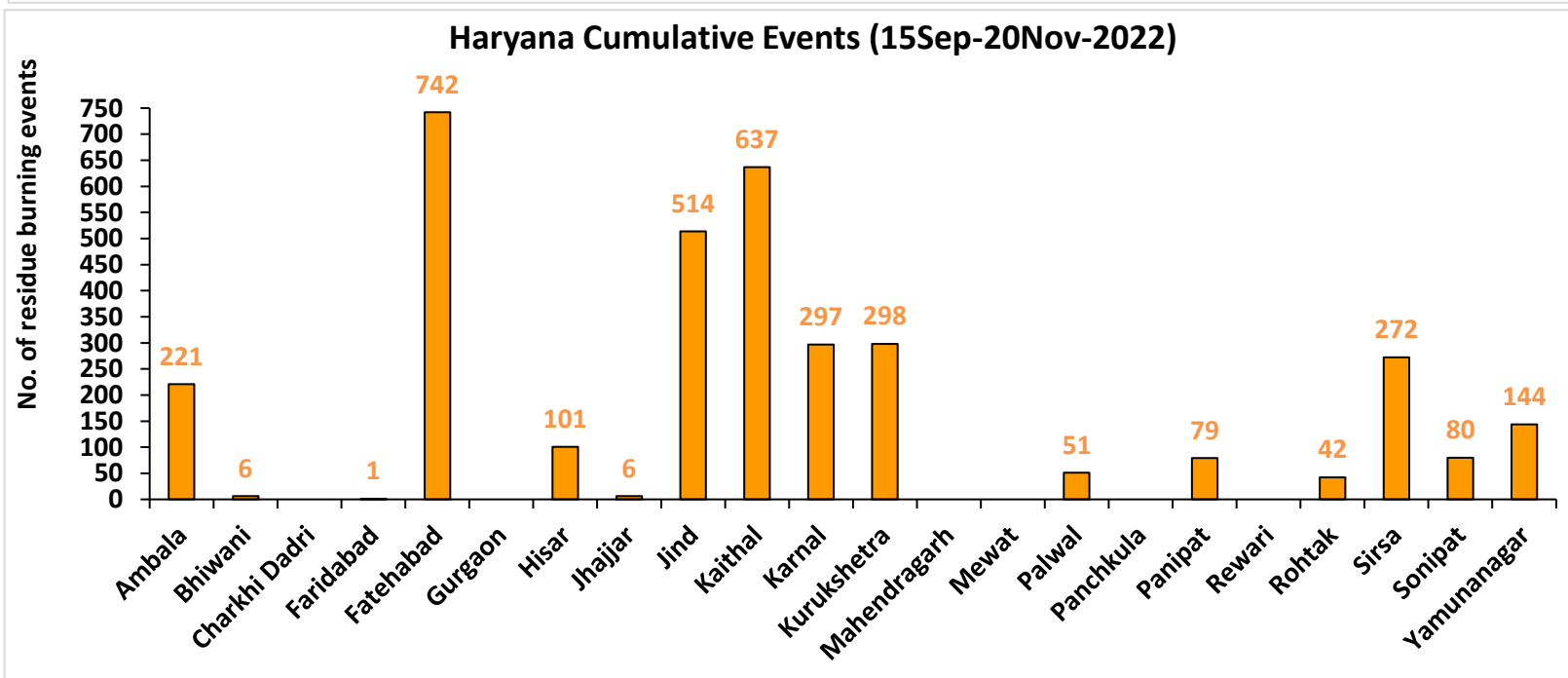
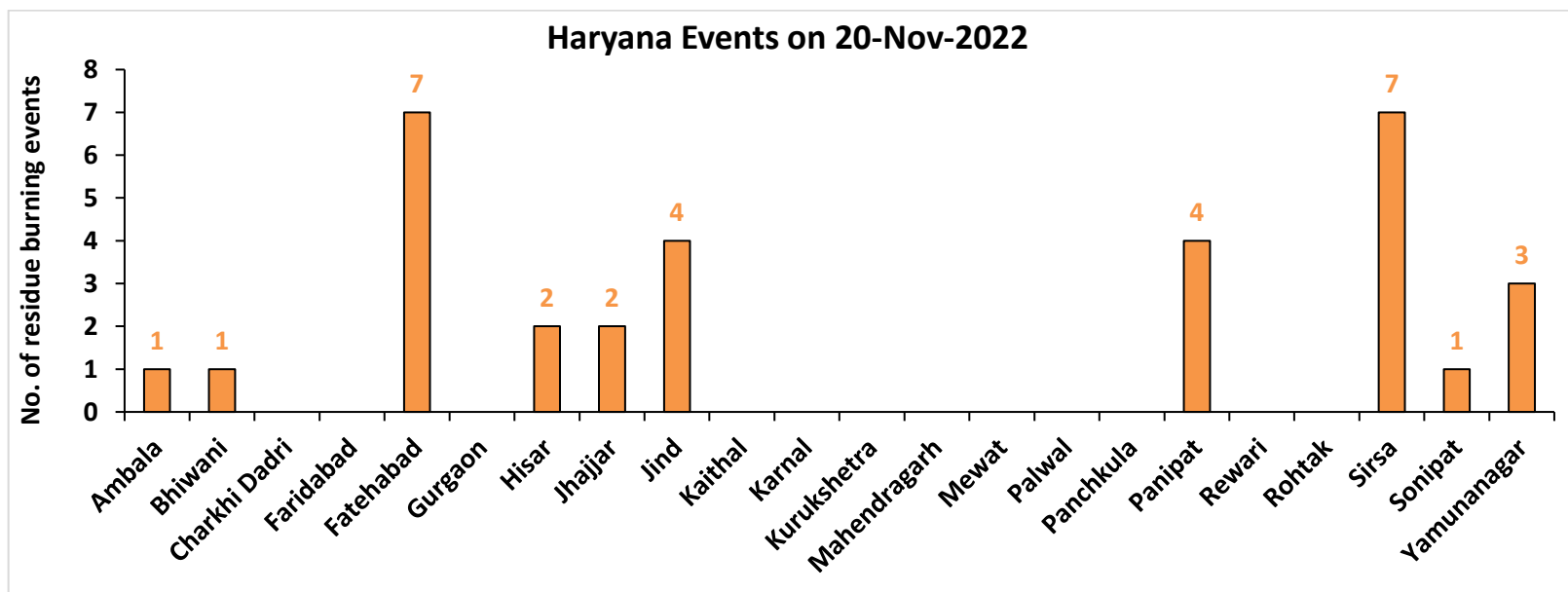
### Fire Intensity (W/m<sup>2</sup>)

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



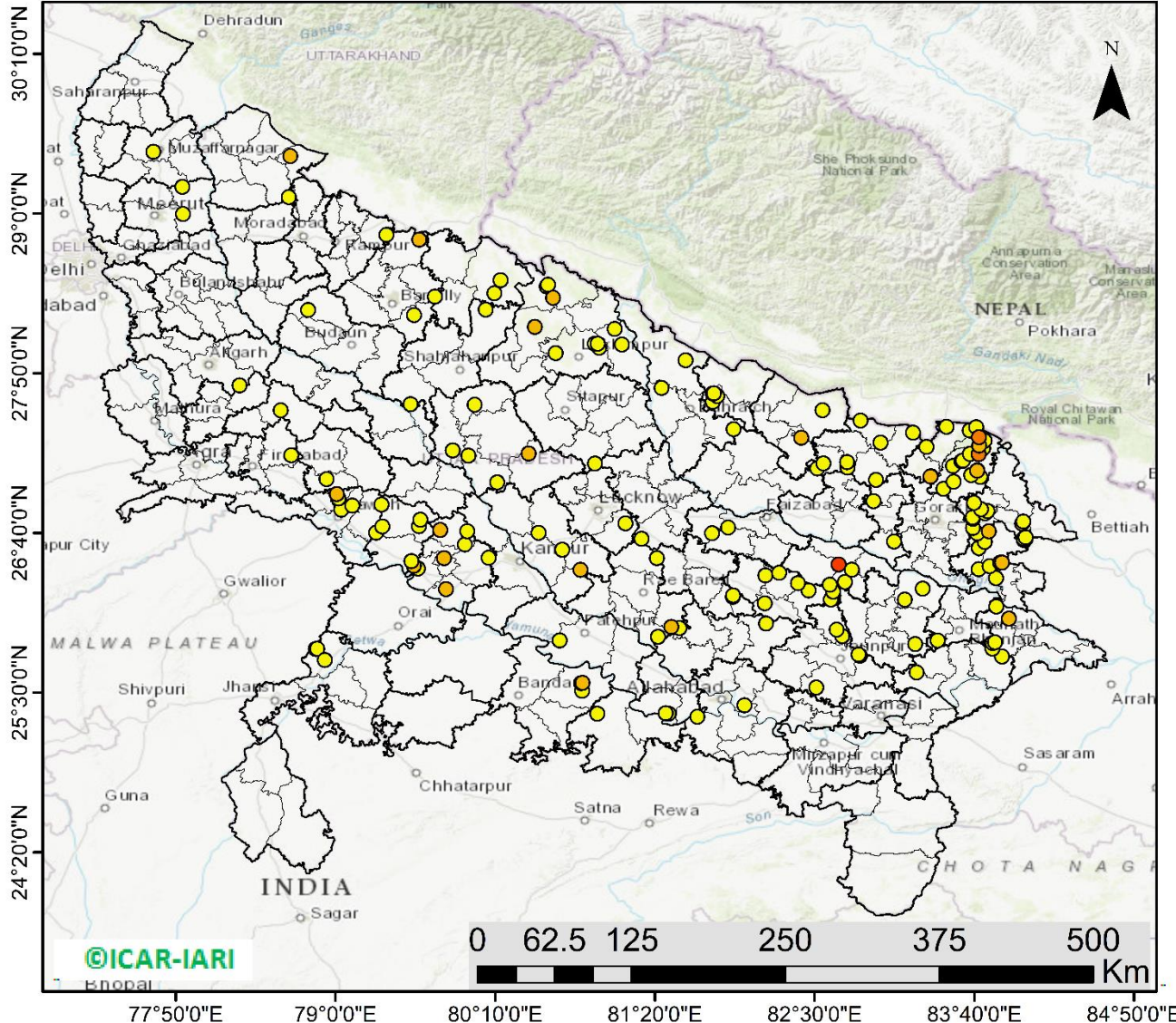
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Haryana (15Sep- 20Nov-2022)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



168 burning events detected in Uttar Pradesh on (20th Nov 2022)

Fire Intensity (W/m2)

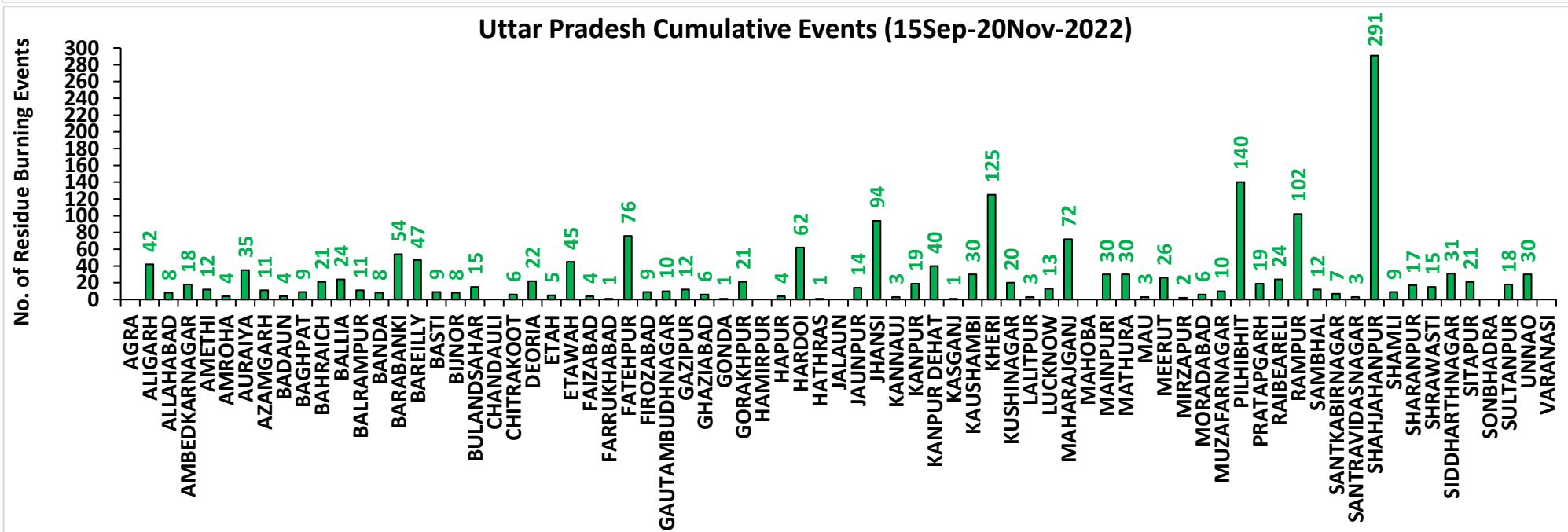
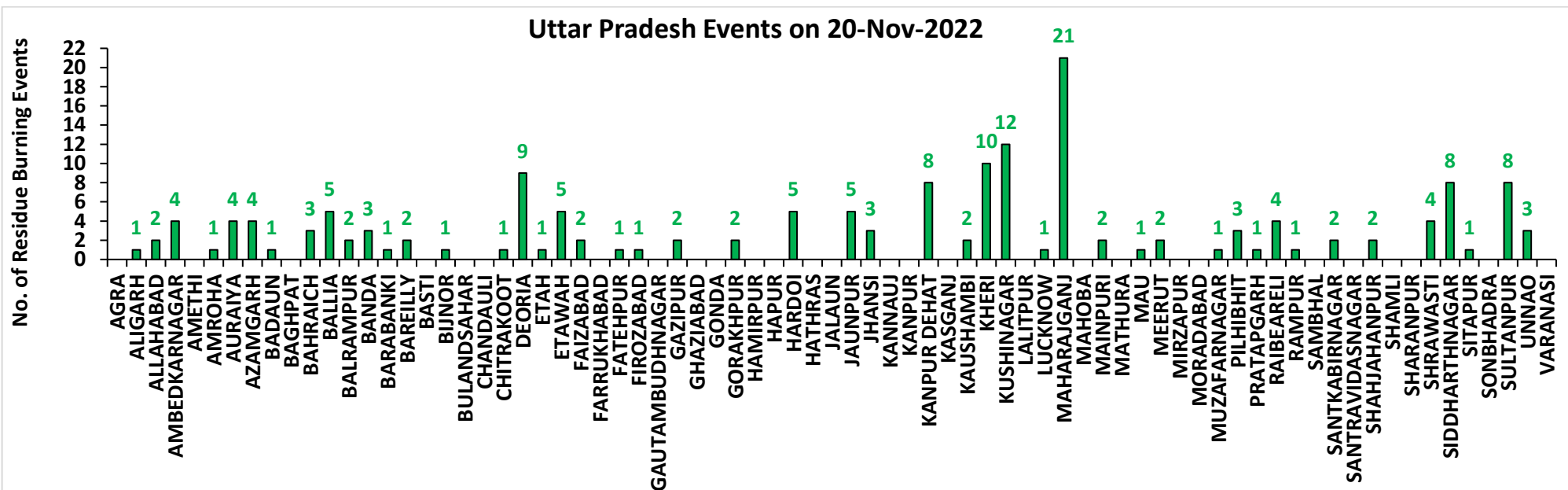
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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

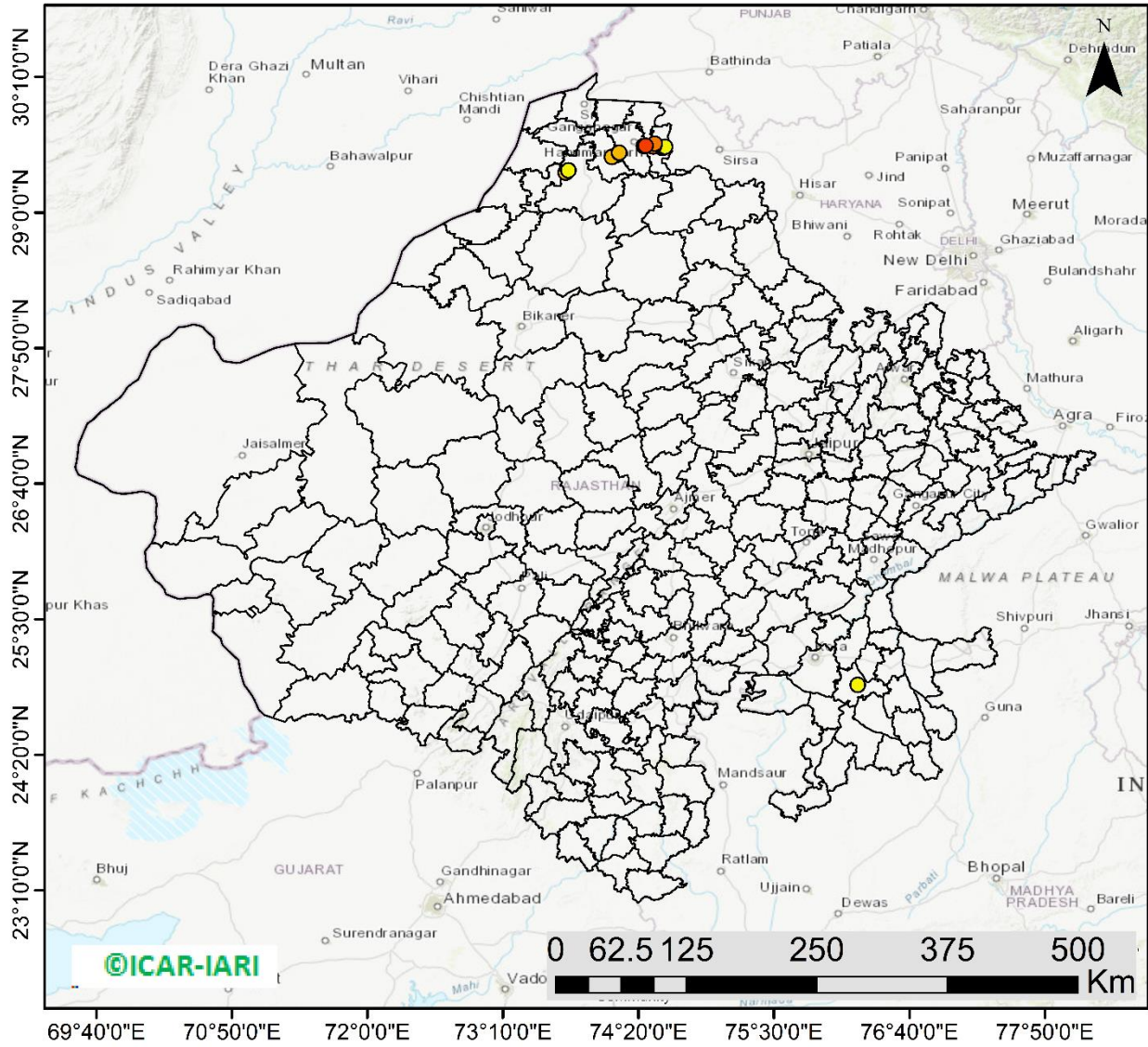


## District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep- 20Nov-2022)



# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**15** burning events detected in Rajasthan on (20th Nov 2022)

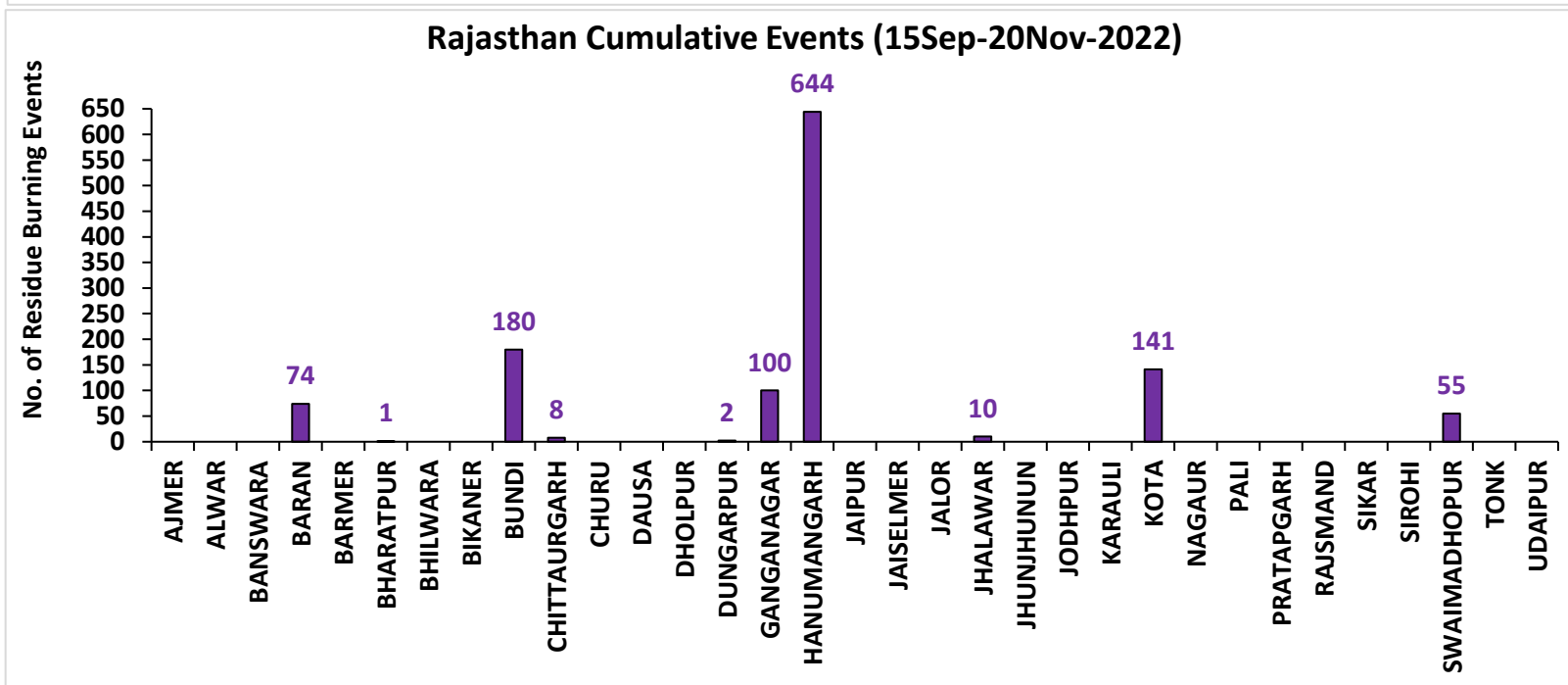
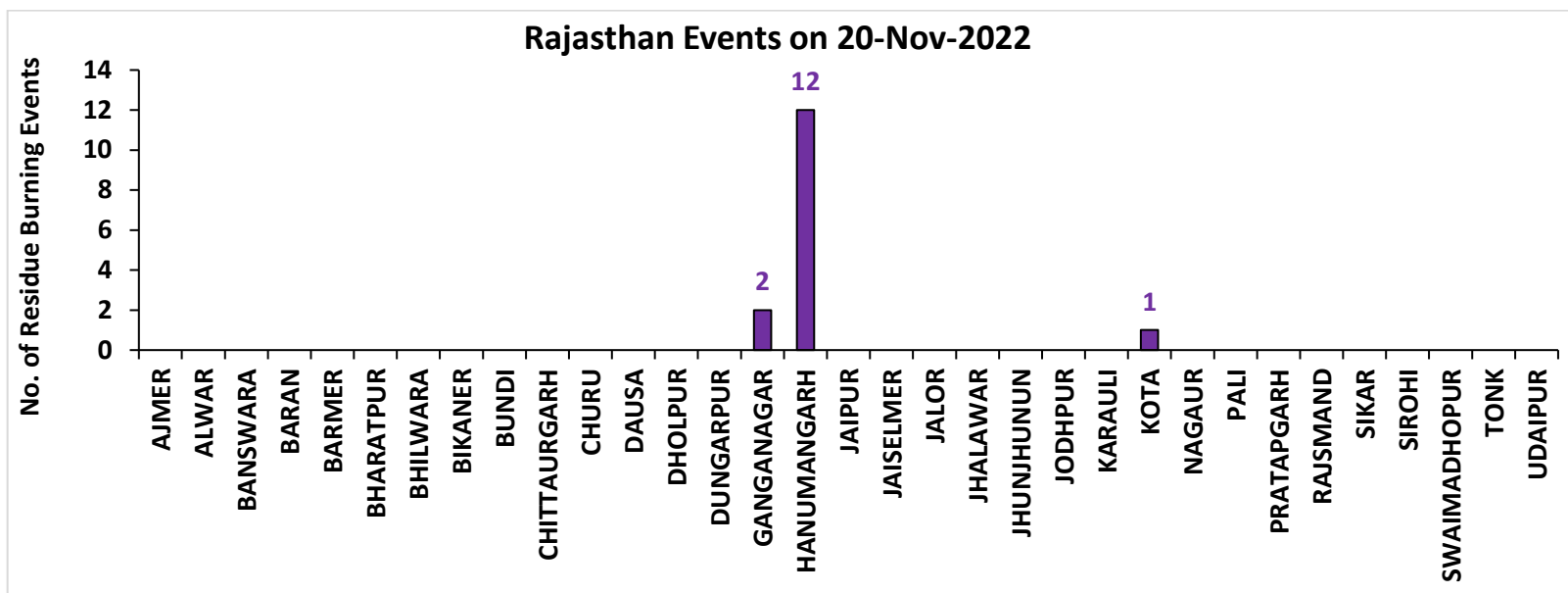
### Fire Intensity (W/m<sup>2</sup>)

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



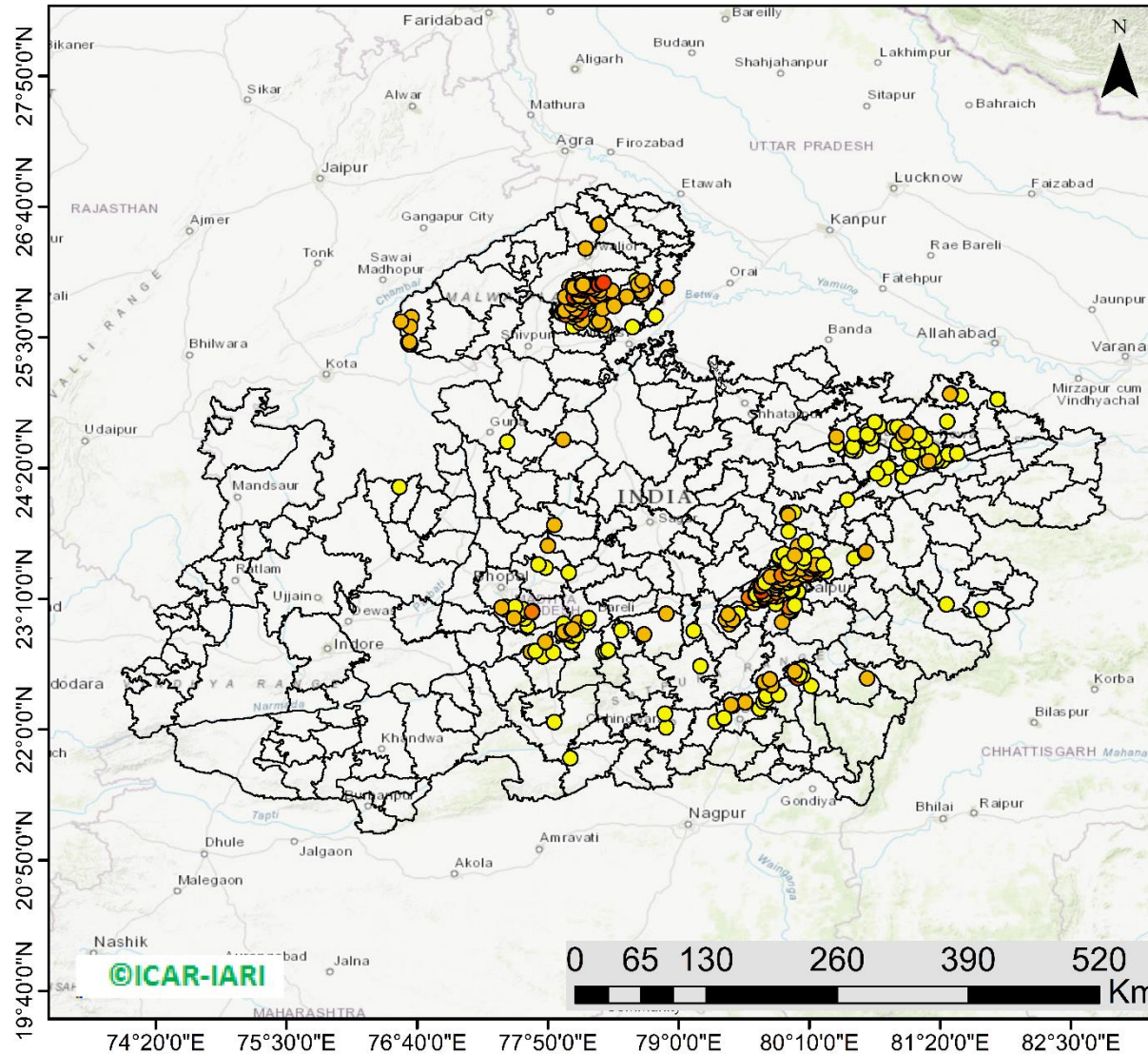
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Rajasthan (15Sep- 20Nov-2022)



# Madhya Pradesh

## RICE RESIDUE BURNING IN MADHYA PRADESH



**556** burning events detected in MP on (20th Nov 2022)

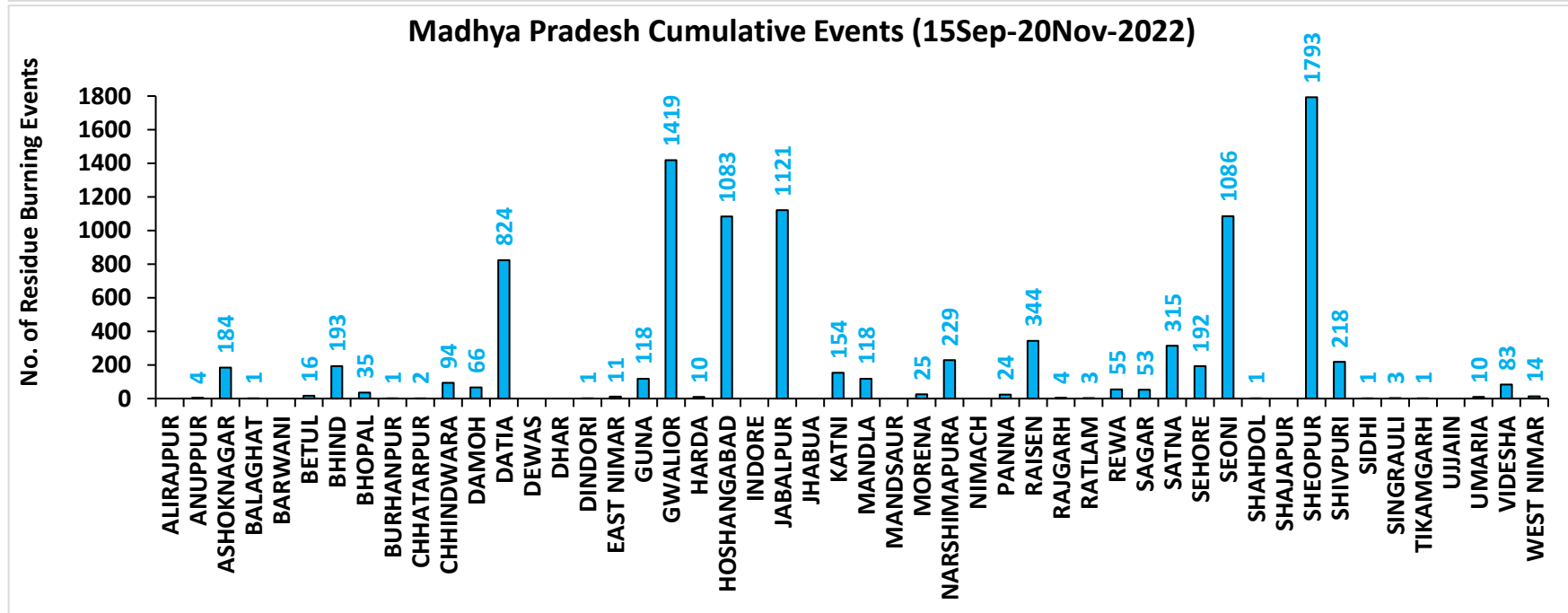
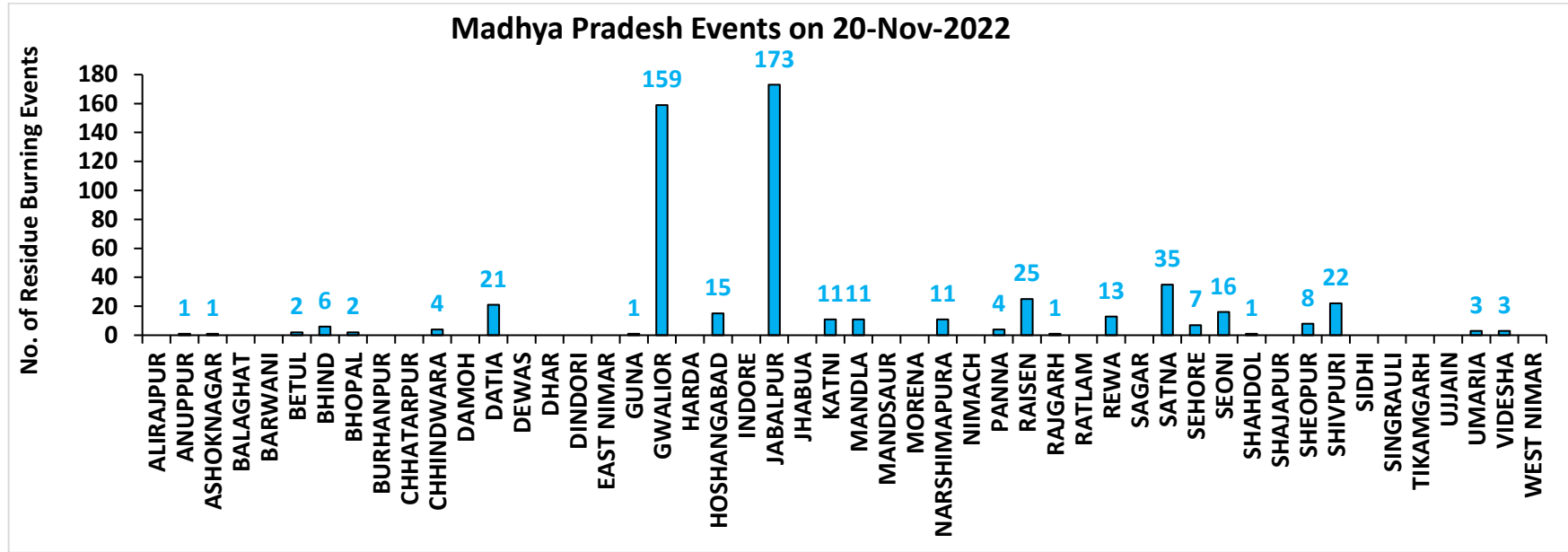
### Fire Intensity (W/m<sup>2</sup>)

- 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- 20Nov-2022)



**District-wise cumulative number of residues burning events detected in 2020 ,2021 and 2022**  
**(Period: 15 September-20 November)**

**(a) Punjab**

District	15 Sep-20 Nov 2022		
	2020	2021	2022
Amritsar	3059	2162	1537
Barnala	5304	4314	2902
Bathinda	5184	4461	4534
Faridkot	4703	3938	2660
Fatehgarh Sahib	1532	1715	1143
Fazilka	2381	2311	2467
Firozpur	8459	6255	4504
Gurdaspur	2122	1390	841
Hoshiarpur	386	327	256
Jalandhar	1933	2540	1377
Kapurthala	1881	1791	1274
Ludhiana	5023	5794	2660
Mansa	3756	3172	2776
Moga	7342	6491	3561
Muktsar	4883	4501	3698
Pathankot	13	6	1
Patiala	6416	5395	3392
Rupnagar	205	306	245
Sangrur	11707	9374	5906
SAS NAGAR (Mohali)	127	147	103
SBS Nagar	131	353	268
Tarn Taran	5600	4113	3178
<b>Total</b>	<b>82147</b>	<b>70856</b>	<b>49283</b>

**(b) Haryana**

District	15 Sep-20 Nov 2022		
	2020	2021	2022
AMBALA	345	299	221
BHIWANI	4	9	6
CHARKHI DADRI	0	0	0
FARIDABAD	1	3	1
FATEHABAD	795	1399	742
GURGAON	0	0	0
HISAR	49	169	101
JHAJJAR	6	5	6
JIND	336	833	514
KAITHAL	831	1143	637
KARNAL	578	949	297
KURUKSHETRA	405	538	298
MAHENDRAGARH	0	0	0
MEWAT	0	0	0
PALWAL	46	113	51
PANCHKULA	0	0	0
PANIPAT	48	220	79
REWARI	0	0	0
ROHTAK	45	44	42
SIRSA	187	421	272
SONIPAT	66	174	80
YAMUNANAGAR	142	145	144
<b>Total</b>	<b>3884</b>	<b>6464</b>	<b>3491</b>

(c) Uttar Pradesh

District	15 Sep-20 Nov 2022										
	2020	2021	2022	GAUTAMBUDHNAGAR	14	19	10	MUZAFARNAGAR	40	15	10
AGRA	7	0	0	GAZIPUR	10	10	12	PILHIBHIT	16	205	140
ALIGARH	112	39	42	GHAZIABAD	20	12	6	PRATAPGARH	31	19	19
ALLAHABAD	25	11	8	GONDA	12	9	1	RAIBEARELI	15	36	24
AMBEDKARNAGAR	18	11	18	GORAKHPUR	40	19	21	RAMPUR	155	183	102
AMETHI	3	13	12	HAMIRPUR	4	0	0	SAMBHAL	18	14	12
AMROHA	11	7	4	HAPUR	23	8	4	SANTKABIRNAGAR	26	14	7
AURAIYA	76	49	35	HARDOI	93	90	62	SANTRAVIDASNAGAR	4	1	3
AZAMGARH	41	3	11	HATHRAS	0	0	1	SHAHJAHANPUR	125	393	291
BADAUN	13	16	4	JALAUN	37	0	0	SHAMLI	46	36	9
BAGHPAT	16	9	9	JAUNPUR	35	12	14	SAHARANPUR	93	64	17
BAHRAICH	105	50	21	JHANSI	255	69	94	SHRAWASTI	45	33	15
BALLIA	62	14	24	KANNAUJ	31	6	3	SIDDHARTHANAGAR	66	101	31
BALRAMPUR	64	17	11	KANPUR	27	30	19	SITAPUR	51	44	21
BANDA	19	5	8	KANPUR DEHAT	70	37	40	SONBHADRA	0	0	0
BARABANKI	33	56	54	KASGANJ	2	2	1	SULTANPUR	4	14	18
BAREILLY	70	57	47	KAUSHAMBI	54	63	30	UNNAO	40	23	30
BASTI	51	42	9	KHERI	141	150	125	VARANASI	1	2	0
BIJNOR	34	34	8	KUSHINAGAR	65	12	20	<b>Total</b>	<b>3268</b>	<b>2808</b>	<b>1905</b>
BULANDSAHAR	51	6	15	LALITPUR	3	6	3				
CHANDAULI	3	0	0	LUCKNOW	35	32	13				
CHITRAKOOT	12	9	6	MAHARAJGANJ	44	74	72				
DEORIA	76	9	22	MAHOBA	27	0	0				
ETAH	17	10	5	MAINPURI	60	43	30				
ETAWAH	65	54	45	MATHURA	159	236	30				
FAIZABAD	9	4	4	MAU	17	9	3				
FARRUKHABAD	5	3	1	MEERUT	54	21	26				
FATEHPUR	106	79	76	MIRZAPUR	7	8	2				
FIROZABAD	26	17	9	MORADABAD	23	10	6				

**(d) Delhi**

District	15 Sep-20 Nov 2022		
	2020	2021	2022
CENTRAL	0	0	0
EAST	0	0	0
NEW DELHI	0	0	0
NORTH	3	3	8
NORTH EAST	0	0	0
NORTH WEST DELHI	3	1	0
SHAHADRA	0	0	0
SOUTH	1	0	0
SOUTH EAST	0	0	0
SOUTH WEST DELHI	0	0	0
WEST DELHI	2	0	1
<b>Total</b>	<b>9</b>	<b>4</b>	<b>9</b>

**(e) Rajasthan**

District	15 Sep-20 Nov 2022		
	2020	2021	2022
AJMER	3	0	0
ALWAR	9	0	0
BANSWARA	0	0	0
BARAN	166	11	74
BARMER	4	0	0
BHARATPUR	2	3	1
BHILWARA	11	0	0
BIKANER	1	0	0
BUNDI	128	84	180
CHITTAURGARH	1	12	8
CHURU	0	0	0
DAUSA	1	0	0
DHOLPUR	0	0	0
DUNGARPUR	0	0	2
GANGANAGAR	173	122	100
HANUMANGARH	782	744	644
JAIPUR	4	0	0
JAISELMER	5	0	0
JALOR	2	0	0
JHALAWAR	9	1	10
JHUNJHUNUN	1	0	0
JODHPUR	5	0	0
KARAULI	1	0	0
KOTA	116	56	141
NAGAUR	3	0	0
PALI	9	0	0
PRATAPGARH	8	0	0
RAJSMAND	1	0	0
SIKAR	0	0	0
SIROHI	2	0	0
SWAIMADHOPUR	65	34	55
TONK	5	0	0
UDAIPUR	2	1	0
<b>Total</b>	<b>1519</b>	<b>1068</b>	<b>1215</b>



(f) Madhya Pradesh

District	15 Sep-20 Nov 2022						
	2020	2021	2022	PANNA	49	17	24
ALIRAJPUR	0	0	0	RAISEN	585	261	344
ANUPPUR	0	1	4	RAJGARH	10	3	5
ASHOKNAGAR	152	85	184	RATLAM	3	5	3
BALAGHAT	5	4	1	REWA	124	64	55
BARWANI	3	0	0	SAGAR	28	30	53
BETUL	36	14	16	SATNA	544	287	315
BHIND	251	127	193	SEHORE	150	134	192
BHOPAL	49	33	35	SEONI	1228	881	1086
BURHANPUR	15	1	1	SHAHDOL	3	0	1
CHHATARPUR	7	0	2	SHAJAPUR	17	0	0
CHHINDWARA	127	53	94	SHEOPUR	1803	938	1793
DAMOH	73	51	66	SHIVPURI	346	52	218
DATIA	1178	441	824	SIDHI	4	2	1
DEWAS	8	0	0	SINGRAULI	0	4	3
DHAR	43	0	0	TIKAMGARH	4	0	1
DINDORI	0	0	1	UJJAIN	10	0	0
EAST NIMAR	22	7	11	UMARIA	7	4	10
GUNA	67	9	118	VIDESHA	133	86	83
GWALIOR	1962	387	1419	WEST NIMAR	61	10	14
HARDA	14	21	10	<b>Total</b>	<b>13061</b>	<b>6042</b>	<b>9909</b>
HOSHANGABAD	1056	1056	1083				
INDORE	4	0	0				
JABALPUR	2107	640	1120				
JHABUA	0	0	0				
KATNI	290	69	154				
MANDLA	141	95	118				
MANDSAUR	12	0	0				
MORENA	62	37	25				
NARSHIMAPURA	266	133	229				
NIMACH	2	0	0				

**State-wise and date-wise number of paddy residue burning events detected in 2020, 2021 and 2022**  
**(Period: 15 September - 20 November 2022)**

**Number of Paddy Residue Burning Events Detected**

	Punjab			Haryana			Uttar Pradesh			Delhi			Rajasthan			Madhya Pradesh		
	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022
15-Sep	5	0	14	2	0	0	1	0	0	0	0	0	1	0	0	2	0	0
16-Sep	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-Sep	5	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18-Sep	17	9	7	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
19-Sep	30	5	18	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0
20-Sep	67	8	10	6	0	0	2	0	0	0	0	0	0	0	0	0	0	0
21-Sep	54	0	56	2	0	0	1	0	0	0	0	0	1	0	1	2	0	0
22-Sep	34	0	30	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
23-Sep	49	0	3	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
24-Sep	78	5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
25-Sep	184	11	0	11	0	0	5	0	0	0	0	0	1	0	0	0	0	0
26-Sep	190	19	0	5	0	0	8	0	0	0	0	0	1	0	0	2	0	0
27-Sep	78	37	0	8	0	0	4	1	0	0	0	0	0	0	0	1	0	0
28-Sep	55	28	0	6	1	0	1	6	0	0	0	0	0	0	0	1	1	0
29-Sep	63	64	0	9	4	0	6	10	0	0	0	0	3	0	0	0	4	0
30-Sep	116	27	8	22	2	0	13	13	10	1	0	0	1	0	0	5	0	0
01-Oct	165	13	45	15	4	1	7	13	3	0	0	0	4	1	1	13	0	1
02-Oct	141	0	83	30	2	7	12	0	36	1	0	0	7	0	3	12	0	1
03-Oct	110	9	75	8	6	8	4	3	29	0	0	0	9	0	2	5	1	5
04-Oct	162	23	65	29	2	7	8	0	2	0	0	0	15	0	0	4	2	0
05-Oct	161	18	130	17	3	24	14	2	0	0	0	2	14	0	1	13	1	0
06-Oct	171	42	85	30	0	26	12	1	0	1	0	0	16	0	0	37	1	0
07-Oct	197	72	62	32	11	6	41	13	0	0	0	0	14	1	1	31	1	0
08-Oct	95	108	19	29	27	0	25	11	0	0	0	0	11	0	0	17	2	0

09-Oct	121	114	3	20	39	1	15	20	0	0	0	0	12	0	0	15	4	0
10-Oct	232	150	4	33	95	2	9	54	0	0	0	0	14	1	0	18	10	0
11-Oct	377	64	45	90	51	0	23	28	0	0	0	0	21	7	1	32	2	0
12-Oct	388	97	104	69	51	4	46	23	0	0	0	0	24	1	2	44	1	1
13-Oct	266	132	120	47	91	15	36	42	0	0	0	0	7	5	2	21	2	7
14-Oct	605	229	82	69	98	30	9	68	5	0	0	0	16	1	1	15	11	1
15-Oct	449	660	169	106	363	36	15	149	0	0	0	0	9	8	2	8	27	2
16-Oct	654	429	206	80	176	76	21	121	6	1	0	0	12	2	4	23	13	2
17-Oct	1172	14	403	143	0	86	38	39	7	0	0	0	26	0	4	63	1	11
18-Oct	938	57	342	166	1	134	76	0	30	0	0	1	37	2	12	88	0	15
19-Oct	1080	496	436	72	55	122	43	5	36	0	0	0	27	5	12	49	1	12
20-Oct	890	788	96	62	155	78	31	1	17	0	0	0	26	4	4	9	21	7
21-Oct	1392	597	393	101	131	107	25	5	23	2	0	0	32	2	6	112	30	18
22-Oct	1665	1111	582	128	140	122	32	3	18	0	0	0	29	5	12	183	29	31
23-Oct	1438	620	902	106	218	217	84	8	109	1	0	0	23	7	20	204	32	70
24-Oct	911	0	1019	57	38	250	63	11	212	0	0	2	20	4	7	150	34	26
25-Oct	1416	76	181	155	71	12	50	18	9	1	0	0	18	2	4	144	60	0
26-Oct	2126	329	1238	77	175	123	33	41	23	0	0	0	34	3	21	178	55	57
27-Oct	2563	279	1111	96	93	83	40	58	23	0	0	0	42	1	21	294	62	38
28-Oct	3232	906	2067	139	149	123	87	35	34	0	0	0	45	4	46	537	110	143
29-Oct	1624	1353	1898	52	161	112	139	32	73	0	0	0	29	23	37	349	97	151
30-Oct	3946	1373	1761	100	148	112	50	53	43	0	0	0	17	20	55	428	168	119
31-Oct	3531	2895	2131	108	353	70	49	170	20	0	0	0	37	15	36	455	299	112
01-Nov	3835	1796	1842	151	124	88	74	157	9	0	0	1	51	5	27	709	198	142
02-Nov	4098	3001	3634	111	203	166	82	87	25	0	0	0	55	19	63	820	214	284
03-Nov	2818	2512	2666	93	197	128	197	66	40	1	0	1	34	20	54	771	148	323
04-Nov	4584	3032	2437	72	228	63	152	123	61	0	0	2	46	19	34	618	123	348
05-Nov	4529	5327	2817	66	331	90	52	70	24	0	0	0	46	45	91	474	320	319
06-Nov	5382	3942	599	151	219	46	43	208	28	0	0	0	40	32	27	678	248	392
07-Nov	5491	5199	2487	150	182	37	86	46	8	0	0	0	57	38	80	848	199	383
08-Nov	3674	4397	604	115	138	11	169	21	44	0	0	0	33	44	5	981	170	783

<b>09-Nov</b>	1718	5079	1778	21	217	69	115	51	58	0	1	0	34	48	22	495	330	570
<b>10-Nov</b>	3127	4008	1893	80	184	35	101	77	33	0	0	0	48	40	34	346	380	282
<b>11-Nov</b>	2822	4156	3916	93	126	152	71	151	36	0	1	0	75	55	95	418	506	482
<b>12-Nov</b>	1989	3403	2467	83	127	99	108	120	36	0	0	0	31	40	84	422	185	421
<b>13-Nov</b>	2441	3742	2175	105	210	132	172	95	102	0	2	0	54	78	63	670	171	773
<b>14-Nov</b>	307	2541	4	35	195	17	258	49	101	0	0	0	16	88	1	294	346	633
<b>15-Nov</b>	32	1761	141	31	129	21	29	67	84	0	0	0	6	51	2	35	353	507
<b>16-Nov</b>	8	1757	1358	0	269	84	15	138	48	0	0	0	16	81	78	145	660	316
<b>17-Nov</b>	248	523	966	9	101	39	38	177	50	0	0	0	60	38	48	191	261	416
<b>18-Nov</b>	670	680	701	60	111	108	62	14	66	0	0	0	75	77	55	352	126	524
<b>19-Nov</b>	454	448	426	37	132	79	129	11	116	0	0	0	27	73	19	124	16	625
<b>20-Nov</b>	677	283	368	77	127	32	134	20	168	0	0	0	59	53	15	106	6	556
<b>Total</b>	<b>82147</b>	<b>70856</b>	<b>49283</b>	<b>3884</b>	<b>6464</b>	<b>3491</b>	<b>3268</b>	<b>2808</b>	<b>1905</b>	<b>9</b>	<b>4</b>	<b>9</b>	<b>1519</b>	<b>1068</b>	<b>1215</b>	<b>13061</b>	<b>6042</b>	<b>9909</b>

### Details of residue burning events in Punjab on 20-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	RAYYA	S-NPP	31.59700	75.28870	13:04:22	D	8.20
2	AMRITSAR	RAYYA	S-NPP	31.59780	75.29300	13:04:22	D	10.10
3	BARNALA	BARNALA	S-NPP	30.21490	75.56320	13:04:22	D	3.40
4	BARNALA	BARNALA	S-NPP	30.21570	75.56750	13:04:22	D	6.20
5	BARNALA	BARNALA	S-NPP	30.33550	75.53170	13:04:22	D	1.30
6	BARNALA	BARNALA	S-NPP	30.41680	75.54320	13:04:22	D	4.20
7	BARNALA	BARNALA	AQUA	30.16200	75.49900	13:33:30	D	15.80
8	BARNALA	MAHAL KALAN	S-NPP	30.54960	75.48530	13:04:22	D	4.30
9	BARNALA	MAHAL KALAN	S-NPP	30.55100	75.48560	13:04:22	D	6.00
10	BARNALA	SEHNA	S-NPP	30.38810	75.31690	13:04:22	D	14.60
11	BARNALA	SEHNA	AQUA	30.49500	75.39700	13:33:30	D	5.20
12	BATHINDA	BHAGTA BHAI KA	S-NPP	30.45220	75.04950	13:04:22	D	2.10
13	BATHINDA	BHAGTA BHAI KA	S-NPP	30.46010	75.15250	13:04:22	D	2.40
14	BATHINDA	BHAGTA BHAI KA	S-NPP	30.50100	75.05650	13:04:22	D	2.30
15	BATHINDA	BHAGTA BHAI KA	S-NPP	30.52720	75.13980	13:04:22	D	6.20
16	BATHINDA	BHAGTA BHAI KA	AQUA	30.41500	75.11600	13:33:30	D	38.50
17	BATHINDA	BHAGTA BHAI KA	AQUA	30.41700	75.13000	13:33:30	D	8.40
18	BATHINDA	BHAGTA BHAI KA	AQUA	30.46600	75.17300	13:33:30	D	6.50
19	BATHINDA	BHAGTA BHAI KA	AQUA	30.46800	75.18600	13:33:30	D	22.80
20	BATHINDA	BHAGTA BHAI KA	AQUA	30.47300	75.21300	13:33:30	D	6.60
21	BATHINDA	GONIANA MANDI	S-NPP	30.29940	74.81250	13:04:22	D	3.20
22	BATHINDA	MAUR	S-NPP	30.08070	75.29400	13:04:22	D	2.90
23	BATHINDA	MAUR	S-NPP	30.11170	75.16660	13:04:22	D	3.00
24	BATHINDA	MAUR	S-NPP	30.14160	75.13920	13:04:22	D	5.50
25	BATHINDA	NATHANA	S-NPP	30.26940	75.02110	13:04:22	D	7.20
26	BATHINDA	NATHANA	S-NPP	30.28060	75.09540	13:04:22	D	3.80
27	BATHINDA	NATHANA	S-NPP	30.30960	75.10670	13:04:22	D	9.00
28	BATHINDA	NATHANA	S-NPP	30.38380	75.12590	13:04:22	D	11.30
29	BATHINDA	NATHANA	S-NPP	30.38470	75.13040	13:04:22	D	11.30
30	BATHINDA	NATHANA	AQUA	30.17000	75.06700	13:33:30	D	8.70

31	BATHINDA	NATHANA	AQUA	30.24700	75.09900	13:33:30	D	12.90
32	BATHINDA	NATHANA	AQUA	30.24900	75.11200	13:33:30	D	22.10
33	BATHINDA	NATHANA	AQUA	30.25100	75.18100	13:33:30	D	7.60
34	BATHINDA	PHUL	S-NPP	30.28610	75.22740	13:04:22	D	4.80
35	BATHINDA	PHUL	S-NPP	30.28870	75.15550	13:04:22	D	4.50
36	BATHINDA	PHUL	S-NPP	30.32830	75.11120	13:04:22	D	6.90
37	BATHINDA	PHUL	S-NPP	30.33700	75.30280	13:04:22	D	2.10
38	BATHINDA	PHUL	S-NPP	30.38540	75.30360	13:04:22	D	10.00
39	BATHINDA	PHUL	S-NPP	30.38960	75.30250	13:04:22	D	10.00
40	BATHINDA	PHUL	S-NPP	30.45960	75.17160	13:04:22	D	3.50
41	BATHINDA	PHUL	AQUA	30.31200	75.23500	13:33:30	D	16.80
42	BATHINDA	PHUL	AQUA	30.42000	75.25800	13:33:30	D	9.50
43	BATHINDA	PHUL	AQUA	30.42000	75.26600	13:33:30	D	6.30
44	BATHINDA	RAMPURA	S-NPP	30.13680	75.33060	13:04:22	D	4.50
45	BATHINDA	RAMPURA	S-NPP	30.21700	75.27240	13:04:22	D	3.50
46	BATHINDA	RAMPURA	S-NPP	30.22390	75.24220	13:04:22	D	4.00
47	BATHINDA	RAMPURA	S-NPP	30.22900	75.33020	13:04:22	D	2.90
48	BATHINDA	RAMPURA	AQUA	30.16600	75.34300	13:33:30	D	7.30
49	BATHINDA	RAMPURA	AQUA	30.20800	75.22400	13:33:30	D	6.00
50	BATHINDA	RAMPURA	AQUA	30.23700	75.28000	13:33:30	D	8.00
51	BATHINDA	RAMPURA	AQUA	30.23800	75.22500	13:33:30	D	10.80
52	BATHINDA	RAMPURA	AQUA	30.23900	75.28500	13:33:30	D	9.30
53	BATHINDA	RAMPURA	AQUA	30.23900	75.29300	13:33:30	D	6.60
54	BATHINDA	SANGAT	S-NPP	30.05200	74.87980	13:04:22	D	2.50
55	BATHINDA	SANGAT	S-NPP	30.08650	74.69550	13:04:22	D	4.90
56	BATHINDA	SANGAT	AQUA	30.12400	74.74800	13:33:30	D	7.20
57	BATHINDA	TALWANDI SABO	S-NPP	29.99360	74.99330	13:04:22	D	4.00
58	BATHINDA	TALWANDI SABO	S-NPP	29.99690	74.98750	13:04:22	D	5.30
59	BATHINDA	TALWANDI SABO	S-NPP	29.99790	74.99210	13:04:22	D	4.00
60	BATHINDA	TALWANDI SABO	S-NPP	30.00120	74.98630	13:04:22	D	3.30
61	BATHINDA	TALWANDI SABO	AQUA	29.84100	75.12600	13:33:30	D	8.80
62	FARIDKOT	FARIDKOT	S-NPP	30.60470	74.72560	13:04:22	D	13.40
63	FARIDKOT	FARIDKOT	S-NPP	30.66250	74.65200	13:04:22	D	5.00

64	FARIDKOT	FARIDKOT	S-NPP	30.66630	74.69110	13:04:22	D	2.80
65	FARIDKOT	FARIDKOT	S-NPP	30.66680	74.65090	13:04:22	D	5.00
66	FARIDKOT	FARIDKOT	S-NPP	30.66780	74.65560	13:04:22	D	5.00
67	FARIDKOT	FARIDKOT	S-NPP	30.74330	74.70610	13:04:22	D	5.80
68	FARIDKOT	FARIDKOT	AQUA	30.59800	74.69900	13:33:30	D	9.50
69	FARIDKOT	FARIDKOT	AQUA	30.59900	74.69100	13:33:30	D	9.80
70	FARIDKOT	FARIDKOT	AQUA	30.63700	74.67500	13:33:30	D	7.10
71	FARIDKOT	FARIDKOT	AQUA	30.78100	74.79300	13:33:30	D	41.00
72	FARIDKOT	JAITON	S-NPP	30.44670	74.86230	13:04:22	D	7.30
73	FARIDKOT	JAITON	S-NPP	30.44750	74.98310	13:04:22	D	7.90
74	FARIDKOT	JAITON	S-NPP	30.45000	74.98370	13:04:22	D	7.50
75	FARIDKOT	JAITON	S-NPP	30.45510	75.04980	13:04:22	D	3.80
76	FARIDKOT	JAITON	S-NPP	30.45640	75.04830	13:04:22	D	2.10
77	FARIDKOT	JAITON	S-NPP	30.46340	74.94110	13:04:22	D	10.30
78	FARIDKOT	JAITON	S-NPP	30.46600	74.84710	13:04:22	D	3.00
79	FARIDKOT	JAITON	S-NPP	30.47020	74.84590	13:04:22	D	3.00
80	FARIDKOT	JAITON	S-NPP	30.47180	74.87510	13:04:22	D	1.80
81	FARIDKOT	JAITON	S-NPP	30.51080	74.82480	13:04:22	D	9.90
82	FARIDKOT	JAITON	AQUA	30.43500	74.76500	13:33:30	D	23.70
83	FARIDKOT	JAITON	AQUA	30.44200	74.85600	13:33:30	D	23.40
84	FARIDKOT	JAITON	AQUA	30.44200	74.86400	13:33:30	D	19.80
85	FARIDKOT	JAITON	AQUA	30.48800	74.82500	13:33:30	D	12.90
86	FARIDKOT	KOT KAPURA	S-NPP	30.65900	74.89080	13:04:22	D	4.80
87	FARIDKOT	KOT KAPURA	AQUA	30.48600	74.81100	13:33:30	D	14.30
88	FARIDKOT	KOT KAPURA	AQUA	30.56000	74.77300	13:33:30	D	7.20
89	FATEHGARH SAHIB	KHAMANON	S-NPP	30.78450	76.30750	13:04:22	D	2.80
90	FAZILKA	ABOHAR	S-NPP	30.19090	74.31100	13:04:22	D	3.00
91	FAZILKA	ABOHAR	S-NPP	30.19330	74.31330	13:04:22	D	2.60
92	FAZILKA	ABOHAR	S-NPP	30.19860	74.23900	13:04:22	D	4.30
93	FAZILKA	ABOHAR	AQUA	30.14800	74.36100	13:33:30	D	7.20
94	FAZILKA	ABOHAR	AQUA	30.19000	74.20300	13:33:30	D	18.80
95	FAZILKA	ABOHAR	AQUA	30.19600	74.29600	13:33:30	D	9.50
96	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.34890	74.10050	13:04:22	D	3.30

97	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.36610	74.29030	13:04:22	D	2.60
98	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.37920	74.28660	13:04:22	D	5.40
99	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.40780	74.14630	13:04:22	D	3.20
100	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.42550	74.16290	13:04:22	D	3.80
101	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.33100	74.22600	13:33:30	D	14.10
102	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.33400	74.24100	13:33:30	D	23.80
103	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.34700	74.10500	13:33:30	D	15.30
104	FAZILKA	FAZILKA	S-NPP	30.36430	74.07680	13:04:22	D	4.30
105	FAZILKA	FAZILKA	S-NPP	30.36690	73.93760	13:04:22	D	2.10
106	FAZILKA	FAZILKA	S-NPP	30.40740	73.97060	13:04:22	D	7.10
107	FAZILKA	FAZILKA	S-NPP	30.40840	73.95360	13:04:22	D	6.40
108	FAZILKA	FAZILKA	S-NPP	30.41290	73.95230	13:04:22	D	5.60
109	FAZILKA	FAZILKA	S-NPP	30.42100	74.09900	13:04:22	D	5.10
110	FAZILKA	FAZILKA	S-NPP	30.52260	74.01880	13:04:22	D	3.70
111	FAZILKA	FAZILKA	S-NPP	30.52600	74.03430	13:04:22	D	8.90
112	FAZILKA	FAZILKA	AQUA	30.34400	74.09000	13:33:30	D	12.10
113	FAZILKA	FAZILKA	AQUA	30.36000	74.05400	13:33:30	D	9.00
114	FAZILKA	FAZILKA	AQUA	30.42400	74.08000	13:33:30	D	9.60
115	FAZILKA	FAZILKA	AQUA	30.42700	74.09600	13:33:30	D	11.70
116	FAZILKA	FAZILKA	AQUA	30.51700	74.01900	13:33:30	D	18.40
117	FAZILKA	JALALABAD	S-NPP	30.43960	74.29310	13:04:22	D	2.60
118	FAZILKA	JALALABAD	S-NPP	30.52120	74.34920	13:04:22	D	6.50
119	FAZILKA	JALALABAD	S-NPP	30.52260	74.34160	13:04:22	D	18.70
120	FAZILKA	JALALABAD	S-NPP	30.52350	74.33800	13:04:22	D	18.80
121	FAZILKA	JALALABAD	S-NPP	30.52450	74.34300	13:04:22	D	18.80
122	FAZILKA	JALALABAD	S-NPP	30.52700	74.34030	13:04:22	D	18.70
123	FAZILKA	JALALABAD	S-NPP	30.53780	74.38980	13:04:22	D	2.50
124	FAZILKA	JALALABAD	S-NPP	30.53930	74.13940	13:04:22	D	5.30
125	FAZILKA	JALALABAD	S-NPP	30.54480	74.12160	13:04:22	D	4.80
126	FAZILKA	JALALABAD	S-NPP	30.60490	74.10680	13:04:22	D	7.00
127	FAZILKA	JALALABAD	AQUA	30.49700	74.29700	13:33:30	D	13.70
128	FAZILKA	JALALABAD	AQUA	30.52600	74.33600	13:33:30	D	8.30
129	FAZILKA	JALALABAD	AQUA	30.54100	74.38700	13:33:30	D	39.40



130	FAZILKA	JALALABAD	AQUA	30.54400	74.37700	13:33:30	D	44.80
131	FAZILKA	JALALABAD	AQUA	30.56600	74.16500	13:33:30	D	7.50
132	FAZILKA	KHUIAN SARWAR	S-NPP	30.24160	74.02090	13:04:22	D	3.60
133	FAZILKA	KHUIAN SARWAR	S-NPP	30.24180	74.02380	13:04:22	D	5.90
134	FAZILKA	KHUIAN SARWAR	S-NPP	30.29530	74.02770	13:04:22	D	2.40
135	FAZILKA	KHUIAN SARWAR	S-NPP	30.30860	74.00170	13:04:22	D	9.70
136	FAZILKA	KHUIAN SARWAR	AQUA	30.25000	74.02400	13:33:30	D	10.50
137	FAZILKA	KHUIAN SARWAR	AQUA	30.28200	74.01600	13:33:30	D	10.60
138	FAZILKA	KHUIAN SARWAR	AQUA	30.28500	74.03100	13:33:30	D	8.90
139	FAZILKA	KHUIAN SARWAR	AQUA	30.28700	74.02400	13:33:30	D	16.50
140	FAZILKA	KHUIAN SARWAR	AQUA	30.30400	74.07400	13:33:30	D	8.00
141	FAZILKA	KHUIAN SARWAR	AQUA	30.35400	74.02300	13:33:30	D	33.80
142	FIROZPUR	GURUHAR SAHAI	S-NPP	30.55850	74.35770	13:04:22	D	12.00
143	FIROZPUR	GURUHAR SAHAI	S-NPP	30.57690	74.37870	13:04:22	D	7.10
144	FIROZPUR	GURUHAR SAHAI	S-NPP	30.63740	74.40320	13:04:22	D	3.60
145	FIROZPUR	GURUHAR SAHAI	S-NPP	30.70220	74.27690	13:04:22	D	3.10
146	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76900	74.42160	13:04:22	D	3.90
147	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76930	74.41970	13:04:22	D	4.80
148	FIROZPUR	GURUHAR SAHAI	AQUA	30.58300	74.37600	13:33:30	D	57.20
149	FIROZPUR	GURUHAR SAHAI	AQUA	30.65700	74.39800	13:33:30	D	17.30
150	FIROZPUR	GURUHAR SAHAI	AQUA	30.66000	74.41200	13:33:30	D	14.90
151	FIROZPUR	GURUHAR SAHAI	AQUA	30.67300	74.30300	13:33:30	D	39.20
152	FIROZPUR	GURUHAR SAHAI	AQUA	30.67500	74.31800	13:33:30	D	17.90
153	FIROZPUR	GURUHAR SAHAI	AQUA	30.70900	74.32400	13:33:30	D	79.00
154	FIROZPUR	GURUHAR SAHAI	AQUA	30.71200	74.33900	13:33:30	D	17.10
155	FIROZPUR	GURUHAR SAHAI	AQUA	30.71400	74.31700	13:33:30	D	24.90
156	FIROZPUR	MAMDOT	S-NPP	30.79100	74.52300	13:04:22	D	4.40
157	FIROZPUR	MAMDOT	S-NPP	30.79160	74.52630	13:04:22	D	6.80
158	FIROZPUR	ZIRA	S-NPP	31.01860	74.94900	13:04:22	D	4.00
159	GURDASPUR	DERA BABA NANAK	AQUA	32.06300	74.92700	13:33:30	D	6.10
160	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.85530	75.04730	13:04:22	D	3.10
161	JALANDHAR	BHOGPUR	S-NPP	31.50170	75.71720	13:04:22	D	2.20
162	JALANDHAR	BHOGPUR	AQUA	31.47900	75.61400	13:33:30	D	6.20

163	JALANDHAR	NUR MAHAL	S-NPP	31.12460	75.58380	13:04:22	D	7.60
164	LUDHIANA	DEHLON	S-NPP	30.72900	75.90000	13:04:22	D	4.40
165	LUDHIANA	DEHLON	S-NPP	30.72900	75.92140	13:04:22	D	2.40
166	LUDHIANA	DEHLON	S-NPP	30.73400	75.83900	13:04:22	D	4.50
167	LUDHIANA	DEHLON	S-NPP	30.73450	75.84270	13:04:22	D	6.20
168	LUDHIANA	DEHLON	S-NPP	30.73480	75.84310	13:04:22	D	4.50
169	LUDHIANA	DEHLON	S-NPP	30.73800	75.83790	13:04:22	D	6.80
170	LUDHIANA	DEHLON	S-NPP	30.76750	75.81700	13:04:22	D	4.50
171	LUDHIANA	DEHLON	S-NPP	30.76830	75.82110	13:04:22	D	8.90
172	LUDHIANA	DEHLON	S-NPP	30.79000	75.82390	13:04:22	D	3.90
173	LUDHIANA	DEHLON	S-NPP	30.83190	75.92830	13:04:22	D	2.70
174	LUDHIANA	DORAHA	S-NPP	30.78190	75.97140	13:04:22	D	10.60
175	LUDHIANA	DORAHA	S-NPP	30.82730	76.07280	13:04:22	D	7.00
176	LUDHIANA	JAGRAON	S-NPP	30.76950	75.39710	13:04:22	D	3.60
177	LUDHIANA	JAGRAON	S-NPP	30.77880	75.46250	13:04:22	D	2.80
178	LUDHIANA	JAGRAON	S-NPP	30.82460	75.60200	13:04:22	D	2.00
179	LUDHIANA	JAGRAON	AQUA	30.81100	75.61900	13:33:30	D	24.60
180	LUDHIANA	JAGRAON	AQUA	30.82200	75.44100	13:33:30	D	8.60
181	LUDHIANA	JAGRAON	AQUA	30.82300	75.44700	13:33:30	D	10.50
182	LUDHIANA	LUDHIANA-1	S-NPP	30.82810	76.07680	13:04:22	D	7.30
183	LUDHIANA	LUDHIANA-1	AQUA	30.85700	75.64200	13:33:30	D	7.20
184	LUDHIANA	LUDHIANA-1	AQUA	30.88200	75.72600	13:33:30	D	9.40
185	LUDHIANA	LUDHIANA-2	S-NPP	31.00700	75.77140	13:04:22	D	5.90
186	LUDHIANA	MACHHIWARA	S-NPP	30.87590	76.21400	13:04:22	D	2.80
187	LUDHIANA	MALoud	S-NPP	30.72500	75.90110	13:04:22	D	4.40
188	LUDHIANA	PAKHOWAL	S-NPP	30.72050	75.77340	13:04:22	D	2.10
189	LUDHIANA	PAKHOWAL	S-NPP	30.72060	75.77280	13:04:22	D	2.70
190	LUDHIANA	PAKHOWAL	S-NPP	30.76470	75.76150	13:04:22	D	1.90
191	LUDHIANA	PAKHOWAL	S-NPP	30.80660	75.78050	13:04:22	D	5.20
192	LUDHIANA	PAKHOWAL	AQUA	30.80800	75.77400	13:33:30	D	7.40
193	LUDHIANA	RAIKOT	S-NPP	30.63440	75.59790	13:04:22	D	2.30
194	LUDHIANA	RAIKOT	AQUA	30.57000	75.53100	13:33:30	D	7.00
195	LUDHIANA	RAIKOT	AQUA	30.63200	75.59500	13:33:30	D	14.80

196	LUDHIANA	SIDHWAN BET	S-NPP	30.82690	75.44490	13:04:22	D	1.90
197	LUDHIANA	SIDHWAN BET	S-NPP	30.86770	75.43370	13:04:22	D	4.70
198	LUDHIANA	SIDHWAN BET	S-NPP	30.86990	75.43380	13:04:22	D	4.50
199	LUDHIANA	SIDHWAN BET	S-NPP	30.89100	75.53570	13:04:22	D	2.30
200	LUDHIANA	SIDHWAN BET	S-NPP	30.89220	75.53470	13:04:22	D	3.60
201	LUDHIANA	SIDHWAN BET	S-NPP	30.91820	75.56380	13:04:22	D	9.30
202	LUDHIANA	SUDHAR	S-NPP	30.73020	75.61270	13:04:22	D	2.40
203	LUDHIANA	SUDHAR	S-NPP	30.75330	75.64190	13:04:22	D	4.70
204	LUDHIANA	SUDHAR	S-NPP	30.77410	75.61850	13:04:22	D	2.10
205	MANSA	BHIKHI	S-NPP	30.16320	75.41660	13:04:22	D	1.40
206	MANSA	BHIKHI	AQUA	30.08300	75.45600	13:33:30	D	7.10
207	MANSA	BHIKHI	AQUA	30.08400	75.46300	13:33:30	D	14.30
208	MANSA	BHIKHI	AQUA	30.08500	75.46800	13:33:30	D	8.10
209	MANSA	BUDHLADA	S-NPP	29.92790	75.50550	13:04:22	D	12.50
210	MANSA	BUDHLADA	AQUA	29.81400	75.44900	13:33:30	D	6.80
211	MANSA	MANSA	S-NPP	30.04030	75.28480	13:04:22	D	6.30
212	MANSA	MANSA	S-NPP	30.08680	75.34410	13:04:22	D	4.90
213	MANSA	MANSA	S-NPP	30.08740	75.34270	13:04:22	D	5.60
214	MANSA	MANSA	AQUA	30.00600	75.31100	13:33:30	D	6.30
215	MANSA	SARDULGARH	S-NPP	29.63300	75.22710	13:04:22	D	3.10
216	MANSA	SARDULGARH	S-NPP	29.64930	75.30450	13:04:22	D	3.70
217	MANSA	SARDULGARH	S-NPP	29.69890	75.32930	13:04:22	D	27.70
218	MANSA	SARDULGARH	S-NPP	29.70220	75.32360	13:04:22	D	39.10
219	MANSA	SARDULGARH	S-NPP	29.70310	75.32820	13:04:22	D	27.70
220	MANSA	SARDULGARH	S-NPP	29.74970	75.28000	13:04:22	D	2.60
221	MANSA	SARDULGARH	AQUA	29.69000	75.33500	13:33:30	D	15.60
222	MANSA	SARDULGARH	AQUA	29.69200	75.34000	13:33:30	D	23.10
223	MANSA	SARDULGARH	AQUA	29.69300	75.29300	13:33:30	D	7.60
224	MOGA	BAGHA PURANA	S-NPP	30.57000	74.96650	13:04:22	D	3.60
225	MOGA	BAGHA PURANA	S-NPP	30.62960	75.06060	13:04:22	D	6.10
226	MOGA	BAGHA PURANA	S-NPP	30.63380	75.05940	13:04:22	D	6.10
227	MOGA	BAGHA PURANA	S-NPP	30.63480	75.06400	13:04:22	D	6.10
228	MOGA	BAGHA PURANA	S-NPP	30.69760	75.01060	13:04:22	D	6.20

229	MOGA	BAGHA PURANA	S-NPP	30.74190	75.03180	13:04:22	D	8.60
230	MOGA	BAGHA PURANA	S-NPP	30.74970	74.96250	13:04:22	D	2.20
231	MOGA	BAGHA PURANA	AQUA	30.59300	75.13100	13:33:30	D	15.80
232	MOGA	BAGHA PURANA	AQUA	30.60700	74.97500	13:33:30	D	10.60
233	MOGA	BAGHA PURANA	AQUA	30.63100	75.05300	13:33:30	D	31.30
234	MOGA	BAGHA PURANA	AQUA	30.63300	75.06600	13:33:30	D	27.10
235	MOGA	BAGHA PURANA	AQUA	30.71600	75.06800	13:33:30	D	13.60
236	MOGA	BAGHA PURANA	AQUA	30.72400	75.05200	13:33:30	D	12.60
237	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.90290	75.27900	13:04:22	D	8.60
238	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.93790	75.13090	13:04:22	D	15.90
239	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.94480	75.10090	13:04:22	D	4.10
240	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.94980	75.33930	13:04:22	D	5.00
241	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.97370	75.36530	13:04:22	D	3.10
242	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.89300	75.31200	13:33:30	D	10.40
243	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.89300	75.31900	13:33:30	D	26.40
244	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.89600	75.32500	13:33:30	D	20.80
245	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.94900	75.33900	13:33:30	D	8.00
246	MOGA	MOGA-1	S-NPP	30.73560	75.29640	13:04:22	D	32.00
247	MOGA	MOGA-1	S-NPP	30.73560	75.29900	13:04:22	D	44.50
248	MOGA	MOGA-1	S-NPP	30.73650	75.30080	13:04:22	D	32.00
249	MOGA	MOGA-1	S-NPP	30.80520	75.35990	13:04:22	D	10.80
250	MOGA	MOGA-1	AQUA	30.73500	75.29500	13:33:30	D	17.20
251	MOGA	MOGA-2	S-NPP	30.79470	75.03270	13:04:22	D	2.10
252	MOGA	MOGA-2	S-NPP	30.79880	75.03160	13:04:22	D	2.60
253	MOGA	MOGA-2	AQUA	30.72600	75.06500	13:33:30	D	19.40
254	MOGA	NIHAL SINGH	S-NPP	30.54270	75.38300	13:04:22	D	5.20
255	MOGA	NIHAL SINGH	S-NPP	30.54900	75.41330	13:04:22	D	2.30
256	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.25620	74.63270	13:04:22	D	2.40
257	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.37400	74.80180	13:04:22	D	24.70
258	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.37820	74.80060	13:04:22	D	24.70
259	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.39120	74.60180	13:04:22	D	7.20
260	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.40290	74.61380	13:04:22	D	7.40
261	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.41850	74.66540	13:04:22	D	24.80

262	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.43340	74.67130	13:04:22	D	47.50
263	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.32600	74.62300	13:33:30	D	11.00
264	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.33700	74.62000	13:33:30	D	9.30
265	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.33900	74.63400	13:33:30	D	6.00
266	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.37500	74.59600	13:33:30	D	10.50
267	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.37800	74.61000	13:33:30	D	7.90
268	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.43200	74.75200	13:33:30	D	12.70
269	MUKTSAR	LAMBI	S-NPP	29.97720	74.56910	13:04:22	D	6.50
270	MUKTSAR	LAMBI	S-NPP	29.97830	74.57400	13:04:22	D	14.90
271	MUKTSAR	LAMBI	S-NPP	29.98160	74.56790	13:04:22	D	6.50
272	MUKTSAR	LAMBI	S-NPP	30.01420	74.56920	13:04:22	D	3.10
273	MUKTSAR	LAMBI	S-NPP	30.05200	74.66210	13:04:22	D	3.40
274	MUKTSAR	LAMBI	S-NPP	30.05230	74.66410	13:04:22	D	5.20
275	MUKTSAR	LAMBI	S-NPP	30.05290	74.58140	13:04:22	D	55.10
276	MUKTSAR	LAMBI	S-NPP	30.07760	74.61080	13:04:22	D	4.00
277	MUKTSAR	LAMBI	S-NPP	30.07860	74.61560	13:04:22	D	4.00
278	MUKTSAR	LAMBI	S-NPP	30.08300	74.48430	13:04:22	D	6.20
279	MUKTSAR	LAMBI	S-NPP	30.09340	74.53370	13:04:22	D	4.00
280	MUKTSAR	LAMBI	S-NPP	30.09780	74.53240	13:04:22	D	3.00
281	MUKTSAR	LAMBI	S-NPP	30.13840	74.59380	13:04:22	D	4.30
282	MUKTSAR	LAMBI	AQUA	29.97700	74.56700	13:33:30	D	6.60
283	MUKTSAR	LAMBI	AQUA	30.05000	74.57300	13:33:30	D	8.90
284	MUKTSAR	LAMBI	AQUA	30.05300	74.58700	13:33:30	D	13.20
285	MUKTSAR	LAMBI	AQUA	30.11700	74.61100	13:33:30	D	15.20
286	MUKTSAR	LAMBI	AQUA	30.12000	74.60100	13:33:30	D	18.40
287	MUKTSAR	MALOUT	S-NPP	30.21150	74.37750	13:04:22	D	3.70
288	MUKTSAR	MALOUT	S-NPP	30.21390	74.37380	13:04:22	D	2.90
289	MUKTSAR	MALOUT	S-NPP	30.32090	74.36150	13:04:22	D	6.40
290	MUKTSAR	MALOUT	S-NPP	30.32340	74.36410	13:04:22	D	6.40
291	MUKTSAR	MALOUT	S-NPP	30.32430	74.33410	13:04:22	D	7.00
292	MUKTSAR	MALOUT	S-NPP	30.34050	74.38770	13:04:22	D	6.30
293	MUKTSAR	MALOUT	S-NPP	30.34480	74.40750	13:04:22	D	7.50
294	MUKTSAR	MALOUT	S-NPP	30.36320	74.42850	13:04:22	D	12.80

295	MUKTSAR	MALOUT	S-NPP	30.39570	74.45070	13:04:22	D	3.30
296	MUKTSAR	MALOUT	AQUA	30.27000	74.52200	13:33:30	D	24.80
297	MUKTSAR	MALOUT	AQUA	30.32900	74.33500	13:33:30	D	16.30
298	MUKTSAR	MALOUT	AQUA	30.36800	74.39600	13:33:30	D	12.80
299	MUKTSAR	MUKTSAR	S-NPP	30.37640	74.40380	13:04:22	D	6.70
300	MUKTSAR	MUKTSAR	S-NPP	30.38850	74.39520	13:04:22	D	11.70
301	MUKTSAR	MUKTSAR	S-NPP	30.41660	74.41870	13:04:22	D	3.70
302	MUKTSAR	MUKTSAR	S-NPP	30.42090	74.41750	13:04:22	D	23.10
303	MUKTSAR	MUKTSAR	S-NPP	30.42530	74.41630	13:04:22	D	23.10
304	MUKTSAR	MUKTSAR	S-NPP	30.42630	74.38140	13:04:22	D	7.40
305	MUKTSAR	MUKTSAR	S-NPP	30.42770	74.38400	13:04:22	D	6.00
306	MUKTSAR	MUKTSAR	S-NPP	30.44380	74.41630	13:04:22	D	3.40
307	MUKTSAR	MUKTSAR	S-NPP	30.44690	74.41240	13:04:22	D	26.00
308	MUKTSAR	MUKTSAR	S-NPP	30.46480	74.56060	13:04:22	D	2.30
309	MUKTSAR	MUKTSAR	S-NPP	30.47370	74.47250	13:04:22	D	9.70
310	MUKTSAR	MUKTSAR	S-NPP	30.47480	74.47740	13:04:22	D	13.40
311	MUKTSAR	MUKTSAR	S-NPP	30.47750	74.38270	13:04:22	D	5.00
312	MUKTSAR	MUKTSAR	S-NPP	30.47800	74.47130	13:04:22	D	5.00
313	MUKTSAR	MUKTSAR	S-NPP	30.47910	74.47620	13:04:22	D	5.90
314	MUKTSAR	MUKTSAR	S-NPP	30.48190	74.53210	13:04:22	D	7.20
315	MUKTSAR	MUKTSAR	S-NPP	30.48230	74.68790	13:04:22	D	6.00
316	MUKTSAR	MUKTSAR	S-NPP	30.48420	74.63170	13:04:22	D	2.90
317	MUKTSAR	MUKTSAR	S-NPP	30.48440	74.62850	13:04:22	D	3.00
318	MUKTSAR	MUKTSAR	S-NPP	30.49440	74.46150	13:04:22	D	4.40
319	MUKTSAR	MUKTSAR	S-NPP	30.49900	74.41850	13:04:22	D	9.60
320	MUKTSAR	MUKTSAR	S-NPP	30.50890	74.40000	13:04:22	D	7.90
321	MUKTSAR	MUKTSAR	S-NPP	30.51980	74.51630	13:04:22	D	4.70
322	MUKTSAR	MUKTSAR	S-NPP	30.54840	74.43890	13:04:22	D	3.50
323	MUKTSAR	MUKTSAR	S-NPP	30.54970	74.44060	13:04:22	D	4.80
324	MUKTSAR	MUKTSAR	S-NPP	30.55060	74.42780	13:04:22	D	2.90
325	MUKTSAR	MUKTSAR	S-NPP	30.55090	74.42460	13:04:22	D	4.60
326	MUKTSAR	MUKTSAR	S-NPP	30.55410	74.37990	13:04:22	D	5.10
327	MUKTSAR	MUKTSAR	S-NPP	30.55850	74.52590	13:04:22	D	8.60

328	MUKTSAR	MUKTSAR	S-NPP	30.56710	74.39710	13:04:22	D	5.40
329	MUKTSAR	MUKTSAR	S-NPP	30.56730	74.58990	13:04:22	D	2.00
330	MUKTSAR	MUKTSAR	S-NPP	30.57140	74.39590	13:04:22	D	5.50
331	MUKTSAR	MUKTSAR	S-NPP	30.57770	74.42540	13:04:22	D	3.00
332	MUKTSAR	MUKTSAR	S-NPP	30.57930	74.51790	13:04:22	D	14.30
333	MUKTSAR	MUKTSAR	S-NPP	30.58360	74.51670	13:04:22	D	14.30
334	MUKTSAR	MUKTSAR	S-NPP	30.59090	74.40080	13:04:22	D	7.30
335	MUKTSAR	MUKTSAR	S-NPP	30.60000	74.61410	13:04:22	D	3.70
336	MUKTSAR	MUKTSAR	S-NPP	30.60470	74.44370	13:04:22	D	2.30
337	MUKTSAR	MUKTSAR	S-NPP	30.60900	74.44250	13:04:22	D	2.50
338	MUKTSAR	MUKTSAR	S-NPP	30.61180	74.49850	13:04:22	D	3.20
339	MUKTSAR	MUKTSAR	AQUA	30.37500	74.37800	13:33:30	D	10.90
340	MUKTSAR	MUKTSAR	AQUA	30.37800	74.39300	13:33:30	D	33.60
341	MUKTSAR	MUKTSAR	AQUA	30.39600	74.43400	13:33:30	D	8.20
342	MUKTSAR	MUKTSAR	AQUA	30.40400	74.53800	13:33:30	D	12.00
343	MUKTSAR	MUKTSAR	AQUA	30.40700	74.55200	13:33:30	D	18.30
344	MUKTSAR	MUKTSAR	AQUA	30.42500	74.41200	13:33:30	D	43.60
345	MUKTSAR	MUKTSAR	AQUA	30.42800	74.42700	13:33:30	D	22.30
346	MUKTSAR	MUKTSAR	AQUA	30.48400	74.52800	13:33:30	D	6.70
347	MUKTSAR	MUKTSAR	AQUA	30.49200	74.57000	13:33:30	D	8.70
348	MUKTSAR	MUKTSAR	AQUA	30.50500	74.40200	13:33:30	D	15.00
349	MUKTSAR	MUKTSAR	AQUA	30.51500	74.52000	13:33:30	D	7.20
350	MUKTSAR	MUKTSAR	AQUA	30.54400	74.43800	13:33:30	D	8.70
351	MUKTSAR	MUKTSAR	AQUA	30.54600	74.39200	13:33:30	D	41.40
352	MUKTSAR	MUKTSAR	AQUA	30.54900	74.52700	13:33:30	D	8.80
353	MUKTSAR	MUKTSAR	AQUA	30.56400	74.39600	13:33:30	D	16.20
354	MUKTSAR	MUKTSAR	AQUA	30.56700	74.41000	13:33:30	D	18.30
355	MUKTSAR	MUKTSAR	AQUA	30.58000	74.54200	13:33:30	D	6.90
356	MUKTSAR	MUKTSAR	AQUA	30.58500	74.39100	13:33:30	D	24.60
357	PATIALA	NABHA	AQUA	30.51500	76.29800	13:33:30	D	17.40
358	PATIALA	NABHA	AQUA	30.51700	76.31000	13:33:30	D	39.90
359	PATIALA	PATIALA	S-NPP	30.46330	76.38510	13:04:22	D	3.00
360	SANGRUR	ANDANA	S-NPP	29.89010	75.93700	13:04:22	D	15.20

361	SANGRUR	DIRBA	S-NPP	30.11120	75.92770	13:04:22	D	15.50
362	SANGRUR	LEHRA GAGA	S-NPP	29.90130	75.82400	13:04:22	D	1.80
363	SANGRUR	MALERKOTLA-1	S-NPP	30.49280	75.98380	13:04:22	D	4.20
364	SBS NAGAR	AUR	S-NPP	31.06860	76.01780	13:04:22	D	6.30
365	SBS NAGAR	AUR	AQUA	31.04500	76.08100	13:33:30	D	6.10
366	TARN TARAN	CHOHLA SAHIB	S-NPP	31.28290	75.05840	13:04:22	D	2.30
367	TARN TARAN	KHADUR SAHIB	AQUA	31.41400	75.04400	13:33:30	D	7.90
368	TARN TARAN	TARN TARAN	AQUA	31.44400	74.98200	13:33:30	D	9.10



### Details of residue burning events in Haryana on 20-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMBALA	SHAHZADPUR	S-NPP	30.45510	76.92670	13:04:22	D	3.20
2	BHIWANI	BAWANI KHERA	S-NPP	29.03310	76.09290	13:04:22	D	2.40
3	FATEHABAD	BHUNA	S-NPP	29.51110	75.82520	13:04:22	D	4.70
4	FATEHABAD	FATEHABAD	S-NPP	29.52530	75.42100	13:04:22	D	2.10
5	FATEHABAD	RATIA	S-NPP	29.67880	75.38210	13:04:22	D	5.30
6	FATEHABAD	RATIA	S-NPP	29.70830	75.52410	13:04:22	D	3.70
7	FATEHABAD	RATIA	S-NPP	29.74530	75.66120	13:04:22	D	5.00
8	FATEHABAD	RATIA	S-NPP	29.74940	75.66020	13:04:22	D	9.10
9	FATEHABAD	TOHANA	S-NPP	29.62060	75.91280	13:04:22	D	2.30
10	HISAR	HISAR-I	S-NPP	29.08770	75.76460	13:04:22	D	3.90
11	HISAR	NARNAUND	S-NPP	29.16300	76.06860	13:04:22	D	5.00
12	JHAJJAR	BERI	S-NPP	28.75460	76.61110	13:04:22	D	5.70
13	JHAJJAR	JHAJJAR	S-NPP	28.68680	76.61150	13:04:22	D	1.80
14	JIND	JIND	S-NPP	29.38220	76.31900	13:04:22	D	4.10
15	JIND	JIND	S-NPP	29.39860	76.29800	13:04:22	D	4.60
16	JIND	JIND	S-NPP	29.39900	76.29770	13:04:22	D	4.60
17	JIND	JIND	AQUA	29.30400	76.45700	13:33:30	D	16.90
18	PANIPAT	MADLAUDA	S-NPP	29.35590	76.82940	13:04:22	D	2.90
19	PANIPAT	MADLAUDA	S-NPP	29.37370	76.83680	13:04:22	D	3.50
20	PANIPAT	MADLAUDA	S-NPP	29.38330	76.72440	13:04:22	D	4.00
21	PANIPAT	MADLAUDA	S-NPP	29.38510	76.72590	13:04:22	D	3.30
22	SIRSA	DABWALI	S-NPP	29.94780	74.88170	13:04:22	D	3.00
23	SIRSA	ELLENABAD	S-NPP	29.58080	74.72100	13:04:22	D	1.40
24	SIRSA	RANIA	S-NPP	29.50820	74.78550	13:04:22	D	7.00
25	SIRSA	RANIA	S-NPP	29.50920	74.79030	13:04:22	D	7.00
26	SIRSA	RANIA	S-NPP	29.51630	74.82440	13:04:22	D	5.70
27	SIRSA	RANIA	S-NPP	29.54250	74.60610	13:04:22	D	3.80
28	SIRSA	SIRSA	S-NPP	29.51790	75.00620	13:04:22	D	4.10
29	SONIPAT	GOHANA	AQUA	28.98300	76.75600	13:33:30	D	7.90
30	YAMUNANAGAR	BILASPUR	S-NPP	30.28660	77.31070	13:04:22	D	4.80
31	YAMUNANAGAR	CHHACHHRAULI	S-NPP	30.18530	77.45330	13:04:22	D	1.90
32	YAMUNANAGAR	JAGADHRI	S-NPP	30.05600	77.20610	13:04:22	D	9.50

### Details of residue burning events in Uttar Pradesh on 20-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	ALIGARH	KOL	S-NPP	27.74290	78.29970	13:04:22	D	3.90
2	ALLAHABAD	BARA	S-NPP	25.32260	81.64410	13:04:22	D	4.90
3	ALLAHABAD	PHULPUR	S-NPP	25.40600	81.98850	13:04:22	D	2.80
4	AMBEDKARNAGAR	AKBARPUR	AQUA	26.43500	82.67600	13:33:30	D	17.70
5	AMBEDKARNAGAR	JALALPUR	S-NPP	26.28650	82.61160	13:04:22	D	2.00
6	AMBEDKARNAGAR	JALALPUR	S-NPP	26.30700	82.72220	13:04:22	D	2.90
7	AMBEDKARNAGAR	JALALPUR	S-NPP	26.39640	82.77230	13:04:22	D	2.10
8	AMROHA	AMROHA	S-NPP	29.11880	78.65950	13:04:22	D	1.60
9	AURAIYA	AURAIYA	AQUA	26.45900	79.55600	13:33:30	D	4.20
10	AURAIYA	BIDHUNA	S-NPP	26.71230	79.34270	13:04:22	D	2.80
11	AURAIYA	BIDHUNA	S-NPP	26.71450	79.61060	13:04:22	D	3.40
12	AURAIYA	BIDHUNA	S-NPP	26.76220	79.62090	13:04:22	D	1.10
13	AZAMGARH	LALGANJ	S-NPP	25.77700	82.82210	13:04:22	D	1.10
14	AZAMGARH	MEHNAGAR	S-NPP	25.85390	83.23560	13:04:22	D	1.90
15	AZAMGARH	SAGRI	S-NPP	26.17770	83.15970	13:04:22	D	5.00
16	AZAMGARH	SAGRI	S-NPP	26.25860	83.29040	13:04:22	D	2.40
17	BADAUN	BISAULI	S-NPP	28.29420	78.80040	13:04:22	D	2.80
18	BAHRAICH	BAHRAICH	S-NPP	27.42350	81.90910	13:04:22	D	2.80
19	BAHRAICH	MAHASI	S-NPP	27.72530	81.38260	13:04:22	D	2.60
20	BAHRAICH	NANPARA	S-NPP	27.92760	81.55840	13:04:22	D	3.40
21	BALLIA	BELTHARA ROAD	S-NPP	26.12790	83.82790	13:04:22	D	2.60
22	BALLIA	BELTHARA ROAD	AQUA	26.03900	83.92000	13:33:30	D	6.90
23	BALLIA	RASRA	S-NPP	25.82000	83.79980	13:04:22	D	2.20
24	BALLIA	RASRA	S-NPP	25.86100	83.80030	13:04:22	D	2.50
25	BALLIA	RASRA	S-NPP	25.86710	83.81890	13:04:22	D	4.30
26	BALRAMPUR	TULSIPUR	S-NPP	27.56170	82.55870	13:04:22	D	2.80
27	BALRAMPUR	UTRAULA	AQUA	27.36100	82.40300	13:33:30	D	6.80
28	BANDA	BABERU	S-NPP	25.51240	80.80250	13:04:22	D	2.70
29	BANDA	BABERU	AQUA	25.56800	80.79500	13:33:30	D	7.50

30	BANDA	BABERU	AQUA	25.57000	80.80500	13:33:30	D	5.20
31	BARABANKI	Haidargarh	S-NPP	26.62240	81.23620	13:04:22	D	3.10
32	BAREILLY	BAHERI	S-NPP	28.80760	79.61260	13:04:22	D	5.40
33	BAREILLY	FARIDPUR	S-NPP	28.25700	79.57410	13:04:22	D	2.70
34	BIJNOR	AFZALGARH	AQUA	29.41900	78.67100	13:33:30	D	7.20
35	CHITRAKOOT	KARWI	S-NPP	25.34440	80.91310	13:04:22	D	3.70
36	DEORIA	BARHAJ	S-NPP	26.33500	83.82650	13:04:22	D	2.60
37	DEORIA	DEORIA	S-NPP	26.42230	83.77880	13:04:22	D	3.80
38	DEORIA	DEORIA	S-NPP	26.55540	83.69970	13:04:22	D	2.20
39	DEORIA	DEORIA	S-NPP	26.59930	83.74350	13:04:22	D	1.90
40	DEORIA	DEORIA	S-NPP	26.66210	83.68830	13:04:22	D	2.40
41	DEORIA	DEORIA	S-NPP	26.67790	83.77330	13:04:22	D	6.20
42	DEORIA	DEORIA	AQUA	26.44800	83.85600	13:33:30	D	7.60
43	DEORIA	DEORIA	AQUA	26.44900	83.87000	13:33:30	D	6.20
44	DEORIA	RUDRAPUR	S-NPP	26.40040	83.69930	13:04:22	D	4.10
45	ETAH	ETAH	S-NPP	27.56140	78.60080	13:04:22	D	3.90
46	ETAWAH	BHARTHNA	S-NPP	26.66670	79.29740	13:04:22	D	1.70
47	ETAWAH	BHARTHNA	S-NPP	26.87280	79.33770	13:04:22	D	3.00
48	ETAWAH	ETAWAH	S-NPP	26.83530	79.04400	13:04:22	D	2.70
49	ETAWAH	ETAWAH	AQUA	26.86500	79.12300	13:33:30	D	4.80
50	ETAWAH	SAIFAI	S-NPP	26.91740	79.02240	13:04:22	D	2.50
51	FAIZABAD	MILKIPUR	S-NPP	26.66350	81.75190	13:04:22	D	4.70
52	FAIZABAD	MILKIPUR	S-NPP	26.70460	81.86900	13:04:22	D	1.30
53	FATEHPUR	FATEHPUR	S-NPP	25.88020	80.63830	13:04:22	D	2.60
54	FIROZABAD	JASRANA	AQUA	27.23300	78.67800	13:33:30	D	4.00
55	GAZIPUR	MUHAMMADBAD	S-NPP	25.76280	83.86930	13:04:22	D	2.40
56	GAZIPUR	SAIDPUR	S-NPP	25.64570	83.24620	13:04:22	D	1.40
57	GORAKHPUR	CAMPIERGANJ	S-NPP	27.07900	83.34970	13:04:22	D	2.40
58	GORAKHPUR	CAMPIERGANJ	AQUA	27.07800	83.34700	13:33:30	D	6.10
59	HARDOI	BILGRAM	S-NPP	27.03460	80.18210	13:04:22	D	4.80
60	HARDOI	BILGRAM	S-NPP	27.23060	79.97200	13:04:22	D	3.10
61	HARDOI	SANDILA	AQUA	27.24500	80.41200	13:33:30	D	6.10
62	HARDOI	SHAHABAD	S-NPP	27.60150	80.01730	13:04:22	D	2.70

63	HARDOI	SIWAIJPUR	S-NPP	27.26860	79.85690	13:04:22	D	1.90
64	JAUNPUR	JAUNPUR	S-NPP	25.76830	82.83160	13:04:22	D	2.30
65	JAUNPUR	MARIAHU	S-NPP	25.53580	82.51290	13:04:22	D	2.70
66	JAUNPUR	SHHGANJ	S-NPP	25.91130	82.70220	13:04:22	D	3.80
67	JAUNPUR	SHHGANJ	S-NPP	25.95860	82.66160	13:04:22	D	1.70
68	JAUNPUR	SHHGANJ	S-NPP	26.17910	82.61950	13:04:22	D	2.40
69	JHANSI	MOTH	S-NPP	25.81720	78.85690	13:04:22	D	4.40
70	JHANSI	MOTH	S-NPP	25.81900	78.86690	13:04:22	D	4.30
71	JHANSI	MOTH	AQUA	25.73700	78.92300	13:33:30	D	4.80
72	KANPUR DEHAT	AKBARPUR	S-NPP	26.48390	80.12010	13:04:22	D	2.10
73	KANPUR DEHAT	BHOGANIPUR	S-NPP	26.25500	79.80750	13:04:22	D	5.30
74	KANPUR DEHAT	DERAPUR	S-NPP	26.48130	79.79360	13:04:22	D	5.50
75	KANPUR DEHAT	RASULABAD	S-NPP	26.58110	79.94650	13:04:22	D	2.30
76	KANPUR DEHAT	RASULABAD	S-NPP	26.67790	79.96320	13:04:22	D	2.90
77	KANPUR DEHAT	RASULABAD	S-NPP	26.68660	79.76560	13:04:22	D	5.40
78	KANPUR DEHAT	SIKANDRA	S-NPP	26.40520	79.60320	13:04:22	D	1.90
79	KANPUR DEHAT	SIKANDRA	AQUA	26.42500	79.57300	13:33:30	D	9.40
80	KAUSHAMBI	MANJHANPUR	S-NPP	25.34420	81.43430	13:04:22	D	3.20
81	KAUSHAMBI	MANJHANPUR	S-NPP	25.34770	81.41290	13:04:22	D	1.80
82	KHERI	DHAURAHRA	S-NPP	28.04190	81.09230	13:04:22	D	2.20
83	KHERI	DHAURAHRA	S-NPP	28.15550	81.04000	13:04:22	D	3.30
84	KHERI	GOLA	AQUA	28.17100	80.45700	13:33:30	D	5.40
85	KHERI	LAKHIMPUR	S-NPP	27.97970	80.60930	13:04:22	D	1.90
86	KHERI	LAKHIMPUR	S-NPP	28.01820	80.92640	13:04:22	D	2.00
87	KHERI	LAKHIMPUR	S-NPP	28.04780	80.89500	13:04:22	D	3.40
88	KHERI	LAKHIMPUR	S-NPP	28.04780	80.91600	13:04:22	D	2.50
89	KHERI	PALIA KALAN	S-NPP	28.46650	80.54330	13:04:22	D	2.20
90	KHERI	PALIA KALAN	S-NPP	28.47870	80.55340	13:04:22	D	2.20
91	KHERI	PALIA KALAN	AQUA	28.38300	80.59000	13:33:30	D	9.00
92	KUSHINAGAR	HATA	S-NPP	26.70190	83.65720	13:04:22	D	2.50
93	KUSHINAGAR	HATA	S-NPP	26.76880	83.65690	13:04:22	D	4.10
94	KUSHINAGAR	HATA	S-NPP	26.77880	83.65510	13:04:22	D	1.70
95	KUSHINAGAR	HATA	S-NPP	26.80910	83.74550	13:04:22	D	2.50

96	KUSHINAGAR	HATA	S-NPP	26.82520	83.76260	13:04:22	D	2.20
97	KUSHINAGAR	HATA	S-NPP	26.83890	83.71600	13:04:22	D	4.80
98	KUSHINAGAR	HATA	S-NPP	26.88510	83.66450	13:04:22	D	1.70
99	KUSHINAGAR	KASAYA	S-NPP	26.61350	84.02940	13:04:22	D	2.10
100	KUSHINAGAR	KASAYA	S-NPP	26.62350	84.02760	13:04:22	D	3.20
101	KUSHINAGAR	KASAYA	S-NPP	26.63250	84.04210	13:04:22	D	3.20
102	KUSHINAGAR	KASAYA	S-NPP	26.73360	84.01610	13:04:22	D	5.90
103	KUSHINAGAR	KASAYA	S-NPP	26.74860	84.02550	13:04:22	D	2.20
104	LUCKNOW	MOHANLAL GANJ	AQUA	26.73500	81.11900	13:33:30	D	4.90
105	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.98770	83.44210	13:04:22	D	2.50
106	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.03950	83.51630	13:04:22	D	2.40
107	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.07490	83.71010	13:04:22	D	4.40
108	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.08810	83.64370	13:04:22	D	2.20
109	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.15400	83.51150	13:04:22	D	1.70
110	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.18910	83.57320	13:04:22	D	3.60
111	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.18970	83.57710	13:04:22	D	3.60
112	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.19420	83.58430	13:04:22	D	2.80
113	MAHARAJGANJ	NAUTANWA	S-NPP	27.41420	83.63330	13:04:22	D	2.30
114	MAHARAJGANJ	NAUTANWA	S-NPP	27.43820	83.68140	13:04:22	D	2.00
115	MAHARAJGANJ	NAUTANWA	S-NPP	27.44060	83.46360	13:04:22	D	2.40
116	MAHARAJGANJ	NICHLAUL	S-NPP	27.12210	83.68960	13:04:22	D	10.60
117	MAHARAJGANJ	NICHLAUL	S-NPP	27.24260	83.63560	13:04:22	D	4.70
118	MAHARAJGANJ	NICHLAUL	S-NPP	27.28420	83.73270	13:04:22	D	2.70
119	MAHARAJGANJ	NICHLAUL	S-NPP	27.33930	83.74310	13:04:22	D	4.20
120	MAHARAJGANJ	NICHLAUL	S-NPP	27.37080	83.70100	13:04:22	D	5.30
121	MAHARAJGANJ	NICHLAUL	AQUA	27.12000	83.68800	13:33:30	D	8.00
122	MAHARAJGANJ	NICHLAUL	AQUA	27.24100	83.69900	13:33:30	D	11.50
123	MAHARAJGANJ	NICHLAUL	AQUA	27.30400	83.70300	13:33:30	D	9.90
124	MAHARAJGANJ	NICHLAUL	AQUA	27.36500	83.70100	13:33:30	D	12.40
125	MAHARAJGANJ	PHARENDA	S-NPP	27.29410	83.31800	13:04:22	D	1.10
126	MAINPURI	KARHAL	S-NPP	26.94930	79.01030	13:04:22	D	6.70
127	MAINPURI	KARHAL	S-NPP	27.05900	78.93560	13:04:22	D	3.10
128	MAU	MUHAMMADABAD	S-NPP	25.87870	83.39980	13:04:22	D	2.80

129	MEERUT	MAWANA	S-NPP	28.99560	77.88720	13:04:22	D	3.90
130	MEERUT	MAWANA	S-NPP	29.19370	77.88170	13:04:22	D	3.60
131	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.45020	77.67040	13:04:22	D	2.80
132	PILHIBHIT	BISALPUR	S-NPP	28.39200	79.72710	13:04:22	D	3.30
133	PILHIBHIT	PURANPUR	S-NPP	28.41620	80.16150	13:04:22	D	3.10
134	PILHIBHIT	PURANPUR	S-NPP	28.51180	80.20690	13:04:22	D	3.80
135	PRATAPGARH	PATTI	S-NPP	26.00300	82.14560	13:04:22	D	1.90
136	RAIBEARELI	MAHARAJGANG	AQUA	26.48100	81.34900	13:33:30	D	4.00
137	RAIBEARELI	SALON	S-NPP	25.97010	81.51320	13:04:22	D	2.50
138	RAIBEARELI	SALON	S-NPP	25.97850	81.45410	13:04:22	D	5.50
139	RAIBEARELI	UNCHAHR	S-NPP	25.90630	81.35700	13:04:22	D	3.50
140	RAMPUR	BILASPUR	S-NPP	28.84260	79.37270	13:04:22	D	3.10
141	SANTKABIRNAGAR	GHANGHATA	S-NPP	26.60230	83.08080	13:04:22	D	1.80
142	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.89750	82.93090	13:04:22	D	3.50
143	SHAHJAHANPUR	JALALABAD	S-NPP	27.60600	79.54920	13:04:22	D	2.20
144	SHAHJAHANPUR	PUWANYA	AQUA	28.29700	80.09800	13:33:30	D	4.70
145	SHRAWASTI	BHINGA	S-NPP	27.68530	81.76520	13:04:22	D	3.70
146	SHRAWASTI	IKAUNA	S-NPP	27.62330	81.75710	13:04:22	D	1.40
147	SHRAWASTI	IKAUNA	S-NPP	27.66520	81.78940	13:04:22	D	1.70
148	SHRAWASTI	IKAUNA	S-NPP	27.68400	81.75730	13:04:22	D	1.10
149	SIDDHARTHANAGAR	BANSI	S-NPP	27.05300	82.94920	13:04:22	D	2.30
150	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.13610	82.52060	13:04:22	D	3.10
151	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.14310	82.74160	13:04:22	D	1.70
152	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.17360	82.56510	13:04:22	D	2.20
153	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.18310	82.73810	13:04:22	D	2.50
154	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.39770	83.21950	13:04:22	D	2.00
155	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.32470	82.98210	13:04:22	D	1.50
156	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.48600	82.83610	13:04:22	D	2.30
157	SITAPUR	SIDHAULI	S-NPP	27.17220	80.89600	13:04:22	D	3.60
158	SULTANPUR	AMETHI	S-NPP	26.19850	81.90350	13:04:22	D	1.60
159	SULTANPUR	AMETHI	S-NPP	26.20920	81.90540	13:04:22	D	2.60
160	SULTANPUR	JAISINGHPUR	S-NPP	26.29800	82.37960	13:04:22	D	4.00
161	SULTANPUR	JAISINGHPUR	S-NPP	26.37430	82.24150	13:04:22	D	2.70

162	SULTANPUR	KADIRPUR	S-NPP	26.23620	82.63630	13:04:22	D	2.40
163	SULTANPUR	KADIRPUR	S-NPP	26.24540	82.45720	13:04:22	D	2.20
164	SULTANPUR	LAMBHUA	S-NPP	26.15110	82.13660	13:04:22	D	2.50
165	SULTANPUR	SULTANPUR	S-NPP	26.35510	82.14150	13:04:22	D	3.30
166	UNNAO	BIGHAPUR	AQUA	26.39600	80.79000	13:33:30	D	6.20
167	UNNAO	HASANGANJ	S-NPP	26.66570	80.48490	13:04:22	D	4.70
168	UNNAO	UNNAO	AQUA	26.54300	80.65700	13:33:30	D	4.10

### Details of residue burning events in Rajasthan on 20-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	GANGANAGAR	SURATGARH	S-NPP	29.36250	73.73110	13:04:22	D	2.50
2	GANGANAGAR	VIJAY NAGAR	S-NPP	29.34240	73.70690	13:04:22	D	5.70
3	HANUMANGARH	HANUMANGARH	S-NPP	29.51510	74.16690	13:04:22	D	8.00
4	HANUMANGARH	HANUMANGARH	S-NPP	29.51520	74.16820	13:04:22	D	5.20
5	HANUMANGARH	HANUMANGARH	AQUA	29.57200	74.38100	13:33:30	D	16.30
6	HANUMANGARH	HANUMANGARH	AQUA	29.57500	74.39600	13:33:30	D	17.10
7	HANUMANGARH	PILIBANGA	S-NPP	29.47790	74.10550	13:04:22	D	5.40
8	HANUMANGARH	TIBI	S-NPP	29.55620	74.53880	13:04:22	D	8.50
9	HANUMANGARH	TIBI	S-NPP	29.55720	74.54380	13:04:22	D	8.30
10	HANUMANGARH	TIBI	S-NPP	29.56590	74.56260	13:04:22	D	3.40
11	HANUMANGARH	TIBI	S-NPP	29.56770	74.46070	13:04:22	D	10.70
12	HANUMANGARH	TIBI	S-NPP	29.56880	74.46580	13:04:22	D	11.10
13	HANUMANGARH	TIBI	S-NPP	29.56940	74.45870	13:04:22	D	13.20
14	HANUMANGARH	TIBI	S-NPP	29.59150	74.47400	13:04:22	D	10.30
15	KOTA	SANGOD	S-NPP	24.93390	76.22240	13:04:22	D	2.70

### Details of residue burning events in Madhya Pradesh on 20-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	ANUPPUR	ANUPUR	S-NPP	23.07330	81.70170	13:04:22	D	2.80
2	ASHOKNAGAR	CHANDERI	AQUA	24.58700	77.97000	13:33:30	D	6.20
3	BETUL	BETUL	S-NPP	22.06510	77.89090	13:04:22	D	2.20
4	BETUL	MULTAI	S-NPP	21.74360	78.03380	13:04:22	D	2.00
5	BHIND	GOHAD	S-NPP	26.50160	78.28960	13:04:22	D	2.90
6	BHIND	GOHAD	S-NPP	26.50780	78.29010	13:04:22	D	6.50
7	BHIND	GOHAD	S-NPP	26.50920	78.28790	13:04:22	D	5.80
8	BHIND	GOHAD	AQUA	26.50500	78.27900	13:33:30	D	4.70
9	BHIND	GOHAD	AQUA	26.50700	78.28900	13:33:30	D	8.20
10	BHIND	LAHAR	AQUA	25.94500	78.89600	13:33:30	D	5.10
11	BHOPAL	HUZUR	S-NPP	23.09490	77.45350	13:04:22	D	1.80
12	BHOPAL	HUZUR	AQUA	23.08700	77.42000	13:33:30	D	9.40
13	CHHINDWARA	AMARWARA	S-NPP	22.56470	79.19460	13:04:22	D	3.20
14	CHHINDWARA	CHAURAI	S-NPP	22.06920	79.32750	13:04:22	D	4.70
15	CHHINDWARA	CHHINDWARA	S-NPP	22.01710	78.88880	13:04:22	D	3.00
16	CHHINDWARA	PARASIA	S-NPP	22.14000	78.87800	13:04:22	D	4.40
17	DATIA	BHANDER	S-NPP	25.68940	78.79490	13:04:22	D	4.10
18	DATIA	BHANDER	S-NPP	25.88580	78.67690	13:04:22	D	5.70
19	DATIA	BHANDER	S-NPP	25.92230	78.70550	13:04:22	D	3.90
20	DATIA	BHANDER	AQUA	25.91100	78.67100	13:33:30	D	6.40
21	DATIA	DATIA	S-NPP	25.59230	78.58910	13:04:22	D	5.00
22	DATIA	DATIA	S-NPP	25.60840	78.33530	13:04:22	D	5.30
23	DATIA	DATIA	S-NPP	25.64090	78.29190	13:04:22	D	3.70
24	DATIA	DATIA	S-NPP	25.64380	78.28830	13:04:22	D	4.90
25	DATIA	DATIA	S-NPP	25.82020	78.38610	13:04:22	D	4.50
26	DATIA	DATIA	AQUA	25.64000	78.29200	13:33:30	D	6.40
27	DATIA	DATIA	AQUA	25.75400	78.32300	13:33:30	D	6.00
28	DATIA	DATIA	AQUA	25.78000	78.42600	13:33:30	D	7.90
29	DATIA	SEONDHA	S-NPP	25.93350	78.70300	13:04:22	D	10.70



30	DATIA	SEONDHA	S-NPP	25.93630	78.69940	13:04:22	D	21.10
31	DATIA	SEONDHA	S-NPP	25.93730	78.70220	13:04:22	D	10.70
32	DATIA	SEONDHA	S-NPP	25.98700	78.65650	13:04:22	D	5.00
33	DATIA	SEONDHA	S-NPP	26.00490	78.62610	13:04:22	D	3.10
34	DATIA	SEONDHA	S-NPP	26.00860	78.62520	13:04:22	D	3.10
35	DATIA	SEONDHA	AQUA	25.86300	78.53800	13:33:30	D	5.50
36	DATIA	SEONDHA	AQUA	25.97100	78.63800	13:33:30	D	6.70
37	DATIA	SEONDHA	AQUA	26.00400	78.67900	13:33:30	D	9.30
38	GUNA	GUNA	S-NPP	24.56790	77.47190	13:04:22	D	2.80
39	GWALIOR	BHITARWAR	S-NPP	25.71300	78.05360	13:04:22	D	1.60
40	GWALIOR	BHITARWAR	S-NPP	25.72180	78.05720	13:04:22	D	8.50
41	GWALIOR	BHITARWAR	S-NPP	25.73040	78.03810	13:04:22	D	7.20
42	GWALIOR	BHITARWAR	S-NPP	25.73140	78.04350	13:04:22	D	6.70
43	GWALIOR	BHITARWAR	S-NPP	25.73430	78.12240	13:04:22	D	9.10
44	GWALIOR	BHITARWAR	S-NPP	25.73530	78.12780	13:04:22	D	9.10
45	GWALIOR	BHITARWAR	S-NPP	25.73820	78.12150	13:04:22	D	7.00
46	GWALIOR	BHITARWAR	S-NPP	25.74210	78.12060	13:04:22	D	7.00
47	GWALIOR	BHITARWAR	S-NPP	25.74910	78.05090	13:04:22	D	5.10
48	GWALIOR	BHITARWAR	S-NPP	25.75450	78.10090	13:04:22	D	7.90
49	GWALIOR	BHITARWAR	S-NPP	25.75630	78.08910	13:04:22	D	3.90
50	GWALIOR	BHITARWAR	S-NPP	25.75760	78.03180	13:04:22	D	6.30
51	GWALIOR	BHITARWAR	S-NPP	25.79980	78.06200	13:04:22	D	4.90
52	GWALIOR	BHITARWAR	S-NPP	25.80050	78.15230	13:04:22	D	7.20
53	GWALIOR	BHITARWAR	S-NPP	25.80440	78.15140	13:04:22	D	7.20
54	GWALIOR	BHITARWAR	S-NPP	25.81200	78.02250	13:04:22	D	4.10
55	GWALIOR	BHITARWAR	S-NPP	25.81200	78.12720	13:04:22	D	3.50
56	GWALIOR	BHITARWAR	S-NPP	25.81410	78.16050	13:04:22	D	3.90
57	GWALIOR	BHITARWAR	S-NPP	25.81870	78.01520	13:04:22	D	5.90
58	GWALIOR	BHITARWAR	S-NPP	25.82580	78.03070	13:04:22	D	10.10
59	GWALIOR	BHITARWAR	S-NPP	25.82940	78.00710	13:04:22	D	10.30
60	GWALIOR	BHITARWAR	S-NPP	25.83360	78.11390	13:04:22	D	5.50
61	GWALIOR	BHITARWAR	S-NPP	25.83560	78.03980	13:04:22	D	6.70
62	GWALIOR	BHITARWAR	S-NPP	25.84080	78.06700	13:04:22	D	3.20

63	GWALIOR	BHITARWAR	S-NPP	25.84730	78.03710	13:04:22	D	5.40
64	GWALIOR	BHITARWAR	S-NPP	25.85300	78.02440	13:04:22	D	3.20
65	GWALIOR	BHITARWAR	S-NPP	25.86410	78.06170	13:04:22	D	4.70
66	GWALIOR	BHITARWAR	S-NPP	25.87050	78.11670	13:04:22	D	6.90
67	GWALIOR	BHITARWAR	S-NPP	25.87150	78.12210	13:04:22	D	6.90
68	GWALIOR	BHITARWAR	S-NPP	25.87210	78.08250	13:04:22	D	9.60
69	GWALIOR	BHITARWAR	S-NPP	25.87250	78.12750	13:04:22	D	5.50
70	GWALIOR	BHITARWAR	S-NPP	25.87620	78.10420	13:04:22	D	6.00
71	GWALIOR	BHITARWAR	S-NPP	25.88980	78.11230	13:04:22	D	2.90
72	GWALIOR	BHITARWAR	S-NPP	25.90160	78.13210	13:04:22	D	8.40
73	GWALIOR	BHITARWAR	S-NPP	25.90550	78.13120	13:04:22	D	3.60
74	GWALIOR	BHITARWAR	S-NPP	25.91600	78.12320	13:04:22	D	4.50
75	GWALIOR	BHITARWAR	S-NPP	25.91650	78.19030	13:04:22	D	2.80
76	GWALIOR	BHITARWAR	S-NPP	25.92090	78.12770	13:04:22	D	10.10
77	GWALIOR	BHITARWAR	S-NPP	25.92310	78.16090	13:04:22	D	9.40
78	GWALIOR	BHITARWAR	S-NPP	25.92690	78.16000	13:04:22	D	9.30
79	GWALIOR	BHITARWAR	S-NPP	25.92770	78.12050	13:04:22	D	13.20
80	GWALIOR	BHITARWAR	S-NPP	25.92790	78.11900	13:04:22	D	12.80
81	GWALIOR	BHITARWAR	S-NPP	25.93450	78.13580	13:04:22	D	3.50
82	GWALIOR	BHITARWAR	S-NPP	25.93570	78.18590	13:04:22	D	4.80
83	GWALIOR	BHITARWAR	S-NPP	25.93640	78.18430	13:04:22	D	4.50
84	GWALIOR	BHITARWAR	S-NPP	25.93750	78.15200	13:04:22	D	9.20
85	GWALIOR	BHITARWAR	S-NPP	25.93800	78.15040	13:04:22	D	7.50
86	GWALIOR	BHITARWAR	S-NPP	25.94130	78.18880	13:04:22	D	4.50
87	GWALIOR	BHITARWAR	S-NPP	25.94720	78.19860	13:04:22	D	4.70
88	GWALIOR	BHITARWAR	S-NPP	25.94820	78.20390	13:04:22	D	8.20
89	GWALIOR	BHITARWAR	S-NPP	25.94860	78.05790	13:04:22	D	10.10
90	GWALIOR	BHITARWAR	S-NPP	25.94960	78.06330	13:04:22	D	10.10
91	GWALIOR	BHITARWAR	S-NPP	25.95030	78.19940	13:04:22	D	4.70
92	GWALIOR	BHITARWAR	S-NPP	25.95130	78.20470	13:04:22	D	4.70
93	GWALIOR	BHITARWAR	S-NPP	25.95240	78.05700	13:04:22	D	7.40
94	GWALIOR	BHITARWAR	S-NPP	25.95420	78.22070	13:04:22	D	4.00
95	GWALIOR	BHITARWAR	S-NPP	25.95500	78.02810	13:04:22	D	6.60

96	GWALIOR	BHITARWAR	S-NPP	25.95610	78.22430	13:04:22	D	6.80
97	GWALIOR	BHITARWAR	S-NPP	25.95730	78.06160	13:04:22	D	7.40
98	GWALIOR	BHITARWAR	S-NPP	25.95900	78.22520	13:04:22	D	4.00
99	GWALIOR	BHITARWAR	S-NPP	25.96380	78.22260	13:04:22	D	7.30
100	GWALIOR	BHITARWAR	S-NPP	25.96780	78.13800	13:04:22	D	5.20
101	GWALIOR	BHITARWAR	S-NPP	25.96850	78.20490	13:04:22	D	2.90
102	GWALIOR	BHITARWAR	S-NPP	25.96860	78.12100	13:04:22	D	3.30
103	GWALIOR	BHITARWAR	S-NPP	25.96880	78.14340	13:04:22	D	12.20
104	GWALIOR	BHITARWAR	S-NPP	25.96970	78.12640	13:04:22	D	3.30
105	GWALIOR	BHITARWAR	S-NPP	25.96990	78.14880	13:04:22	D	12.20
106	GWALIOR	BHITARWAR	S-NPP	25.97020	78.08690	13:04:22	D	6.50
107	GWALIOR	BHITARWAR	S-NPP	25.97050	78.10940	13:04:22	D	2.50
108	GWALIOR	BHITARWAR	S-NPP	25.97070	78.23770	13:04:22	D	7.10
109	GWALIOR	BHITARWAR	S-NPP	25.99100	78.13280	13:04:22	D	7.10
110	GWALIOR	BHITARWAR	AQUA	25.72100	78.05600	13:33:30	D	10.10
111	GWALIOR	BHITARWAR	AQUA	25.72800	78.04300	13:33:30	D	5.90
112	GWALIOR	BHITARWAR	AQUA	25.73100	78.12000	13:33:30	D	20.90
113	GWALIOR	BHITARWAR	AQUA	25.73300	78.13100	13:33:30	D	17.20
114	GWALIOR	BHITARWAR	AQUA	25.75400	78.08200	13:33:30	D	7.30
115	GWALIOR	BHITARWAR	AQUA	25.79300	78.04600	13:33:30	D	6.20
116	GWALIOR	BHITARWAR	AQUA	25.80900	78.14200	13:33:30	D	8.50
117	GWALIOR	BHITARWAR	AQUA	25.83200	78.17000	13:33:30	D	7.90
118	GWALIOR	BHITARWAR	AQUA	25.83500	78.07100	13:33:30	D	6.80
119	GWALIOR	BHITARWAR	AQUA	25.84900	78.03500	13:33:30	D	14.80
120	GWALIOR	BHITARWAR	AQUA	25.86000	77.98800	13:33:30	D	6.00
121	GWALIOR	BHITARWAR	AQUA	25.86300	78.06500	13:33:30	D	15.20
122	GWALIOR	BHITARWAR	AQUA	25.87000	78.10800	13:33:30	D	7.00
123	GWALIOR	BHITARWAR	AQUA	25.87100	78.11900	13:33:30	D	9.90
124	GWALIOR	BHITARWAR	AQUA	25.92000	78.14700	13:33:30	D	10.50
125	GWALIOR	BHITARWAR	AQUA	25.92200	78.15800	13:33:30	D	23.40
126	GWALIOR	BHITARWAR	AQUA	25.92400	78.11400	13:33:30	D	13.10
127	GWALIOR	BHITARWAR	AQUA	25.93000	78.09000	13:33:30	D	20.10
128	GWALIOR	BHITARWAR	AQUA	25.94400	78.05500	13:33:30	D	8.70

129	GWALIOR	BHITARWAR	AQUA	25.94500	78.06500	13:33:30	D	5.70
130	GWALIOR	BHITARWAR	AQUA	25.94500	78.18600	13:33:30	D	21.60
131	GWALIOR	BHITARWAR	AQUA	25.94700	78.19700	13:33:30	D	26.40
132	GWALIOR	BHITARWAR	AQUA	25.95100	78.21800	13:33:30	D	13.20
133	GWALIOR	BHITARWAR	AQUA	25.96600	78.13800	13:33:30	D	12.50
134	GWALIOR	BHITARWAR	AQUA	25.96800	78.14900	13:33:30	D	9.70
135	GWALIOR	DABRA	S-NPP	25.84160	78.24350	13:04:22	D	8.00
136	GWALIOR	DABRA	S-NPP	25.84170	78.24080	13:04:22	D	2.60
137	GWALIOR	DABRA	S-NPP	25.84450	78.23460	13:04:22	D	7.10
138	GWALIOR	DABRA	S-NPP	25.84450	78.23730	13:04:22	D	3.20
139	GWALIOR	DABRA	S-NPP	25.85120	78.22750	13:04:22	D	3.80
140	GWALIOR	DABRA	S-NPP	25.85120	78.23020	13:04:22	D	5.40
141	GWALIOR	DABRA	S-NPP	25.85210	78.23550	13:04:22	D	5.40
142	GWALIOR	DABRA	S-NPP	25.85220	78.23280	13:04:22	D	8.50
143	GWALIOR	DABRA	S-NPP	25.85330	78.23810	13:04:22	D	8.50
144	GWALIOR	DABRA	S-NPP	25.85410	78.24620	13:04:22	D	11.50
145	GWALIOR	DABRA	S-NPP	25.85530	78.24880	13:04:22	D	14.00
146	GWALIOR	DABRA	S-NPP	25.85710	78.23730	13:04:22	D	8.50
147	GWALIOR	DABRA	S-NPP	25.85910	78.24790	13:04:22	D	14.00
148	GWALIOR	DABRA	S-NPP	25.86010	78.25320	13:04:22	D	10.30
149	GWALIOR	DABRA	S-NPP	25.86560	78.21860	13:04:22	D	8.00
150	GWALIOR	DABRA	S-NPP	25.86760	78.22930	13:04:22	D	6.00
151	GWALIOR	DABRA	S-NPP	25.86880	78.25680	13:04:22	D	9.40
152	GWALIOR	DABRA	S-NPP	25.86980	78.26210	13:04:22	D	7.90
153	GWALIOR	DABRA	S-NPP	25.87080	78.26740	13:04:22	D	7.90
154	GWALIOR	DABRA	S-NPP	25.87270	78.15000	13:04:22	D	4.00
155	GWALIOR	DABRA	S-NPP	25.87290	78.27800	13:04:22	D	3.30
156	GWALIOR	DABRA	S-NPP	25.87370	78.26130	13:04:22	D	6.70
157	GWALIOR	DABRA	S-NPP	25.88320	78.24800	13:04:22	D	8.50
158	GWALIOR	DABRA	S-NPP	25.88420	78.25330	13:04:22	D	8.50
159	GWALIOR	DABRA	S-NPP	25.88570	78.32460	13:04:22	D	13.50
160	GWALIOR	DABRA	S-NPP	25.88700	78.24710	13:04:22	D	5.30
161	GWALIOR	DABRA	S-NPP	25.88800	78.25250	13:04:22	D	5.30

162	GWALIOR	DABRA	S-NPP	25.89070	78.22410	13:04:22	D	6.70
163	GWALIOR	DABRA	S-NPP	25.89190	78.25160	13:04:22	D	5.30
164	GWALIOR	DABRA	S-NPP	25.89660	78.23390	13:04:22	D	3.20
165	GWALIOR	DABRA	S-NPP	25.89720	78.19470	13:04:22	D	2.10
166	GWALIOR	DABRA	S-NPP	25.89870	78.26660	13:04:22	D	4.90
167	GWALIOR	DABRA	S-NPP	25.91760	78.21800	13:04:22	D	7.60
168	GWALIOR	DABRA	S-NPP	25.91910	78.31150	13:04:22	D	2.80
169	GWALIOR	DABRA	S-NPP	25.92150	78.21710	13:04:22	D	13.40
170	GWALIOR	DABRA	S-NPP	25.95550	78.26320	13:04:22	D	3.60
171	GWALIOR	DABRA	S-NPP	25.96020	78.29670	13:04:22	D	4.60
172	GWALIOR	DABRA	S-NPP	25.96160	78.29480	13:04:22	D	6.30
173	GWALIOR	DABRA	S-NPP	25.96410	78.29590	13:04:22	D	4.60
174	GWALIOR	DABRA	S-NPP	25.96820	78.28780	13:04:22	D	3.20
175	GWALIOR	DABRA	S-NPP	25.96920	78.29310	13:04:22	D	3.20
176	GWALIOR	DABRA	S-NPP	25.97000	78.27640	13:04:22	D	6.60
177	GWALIOR	DABRA	S-NPP	25.97070	78.28880	13:04:22	D	2.60
178	GWALIOR	DABRA	S-NPP	25.97090	78.25970	13:04:22	D	2.90
179	GWALIOR	DABRA	S-NPP	25.97190	78.26500	13:04:22	D	6.80
180	GWALIOR	DABRA	S-NPP	25.97290	78.27030	13:04:22	D	6.80
181	GWALIOR	DABRA	S-NPP	25.97390	78.27560	13:04:22	D	6.60
182	GWALIOR	DABRA	S-NPP	25.97590	78.28610	13:04:22	D	4.90
183	GWALIOR	DABRA	S-NPP	25.97900	78.32370	13:04:22	D	2.80
184	GWALIOR	DABRA	S-NPP	25.98860	78.33250	13:04:22	D	4.00
185	GWALIOR	DABRA	AQUA	25.86000	78.16500	13:33:30	D	12.00
186	GWALIOR	DABRA	AQUA	25.86100	78.17500	13:33:30	D	8.10
187	GWALIOR	DABRA	AQUA	25.86300	78.18600	13:33:30	D	5.60
188	GWALIOR	DABRA	AQUA	25.86600	78.26200	13:33:30	D	13.20
189	GWALIOR	DABRA	AQUA	25.89100	78.30100	13:33:30	D	8.50
190	GWALIOR	DABRA	AQUA	25.91600	78.40400	13:33:30	D	9.00
191	GWALIOR	DABRA	AQUA	25.91800	78.29500	13:33:30	D	8.90
192	GWALIOR	DABRA	AQUA	25.93500	78.24300	13:33:30	D	9.90
193	GWALIOR	DABRA	AQUA	25.97000	78.28000	13:33:30	D	10.60
194	GWALIOR	DABRA	AQUA	25.97100	78.29000	13:33:30	D	15.40

195	GWALIOR	DABRA	AQUA	25.98500	78.32000	13:33:30	D	12.70
196	GWALIOR	DABRA	AQUA	25.98700	78.33000	13:33:30	D	19.80
197	GWALIOR	GWALIOR	AQUA	26.29400	78.17000	13:33:30	D	6.60
198	HOSHANGABAD	BABAI	S-NPP	22.68630	77.88120	13:04:22	D	2.80
199	HOSHANGABAD	BABAI	S-NPP	22.77780	77.81390	13:04:22	D	3.80
200	HOSHANGABAD	BABAI	S-NPP	22.78030	78.05060	13:04:22	D	2.60
201	HOSHANGABAD	BABAI	S-NPP	22.78370	78.04570	13:04:22	D	2.60
202	HOSHANGABAD	BABAI	AQUA	22.78100	77.81100	13:33:30	D	7.80
203	HOSHANGABAD	BANKHERI	S-NPP	22.88500	78.48820	13:04:22	D	2.80
204	HOSHANGABAD	HOSHANGABAD	S-NPP	22.69090	77.68100	13:04:22	D	6.50
205	HOSHANGABAD	HOSHANGABAD	S-NPP	22.69160	77.68030	13:04:22	D	7.80
206	HOSHANGABAD	HOSHANGABAD	S-NPP	22.69910	77.72310	13:04:22	D	1.80
207	HOSHANGABAD	HOSHANGABAD	S-NPP	22.69960	77.72240	13:04:22	D	2.30
208	HOSHANGABAD	ITARSI	S-NPP	22.65140	77.78990	13:04:22	D	4.10
209	HOSHANGABAD	PIPARIYA	S-NPP	22.69140	78.32840	13:04:22	D	4.10
210	HOSHANGABAD	PIPARIYA	S-NPP	22.69570	78.35160	13:04:22	D	2.20
211	HOSHANGABAD	PIPARIYA	S-NPP	22.70810	78.37290	13:04:22	D	4.30
212	HOSHANGABAD	PIPARIYA	S-NPP	22.70830	78.37270	13:04:22	D	3.80
213	JABALPUR	JABALPUR	S-NPP	22.95780	79.92470	13:04:22	D	5.40
214	JABALPUR	JABALPUR	S-NPP	23.05440	80.00420	13:04:22	D	5.80
215	JABALPUR	JABALPUR	S-NPP	23.06290	79.98780	13:04:22	D	3.40
216	JABALPUR	JABALPUR	S-NPP	23.08940	79.98710	13:04:22	D	10.90
217	JABALPUR	JABALPUR	S-NPP	23.11990	79.86990	13:04:22	D	5.10
218	JABALPUR	JABALPUR	S-NPP	23.16480	79.82110	13:04:22	D	4.20
219	JABALPUR	JABALPUR	S-NPP	23.22710	80.06670	13:04:22	D	2.10
220	JABALPUR	JABALPUR	S-NPP	23.22880	79.99560	13:04:22	D	7.30
221	JABALPUR	JABALPUR	S-NPP	23.22950	79.99370	13:04:22	D	7.30
222	JABALPUR	JABALPUR	S-NPP	23.23790	79.94030	13:04:22	D	4.10
223	JABALPUR	JABALPUR	S-NPP	23.24270	79.86100	13:04:22	D	5.30
224	JABALPUR	JABALPUR	S-NPP	23.24320	80.01200	13:04:22	D	2.70
225	JABALPUR	JABALPUR	S-NPP	23.25150	79.88860	13:04:22	D	5.80
226	JABALPUR	JABALPUR	S-NPP	23.25810	79.98950	13:04:22	D	3.40
227	JABALPUR	JABALPUR	S-NPP	23.26340	79.99810	13:04:22	D	4.20

228	JABALPUR	JABALPUR	S-NPP	23.27890	79.89270	13:04:22	D	3.90
229	JABALPUR	JABALPUR	S-NPP	23.28310	79.91620	13:04:22	D	4.40
230	JABALPUR	JABALPUR	S-NPP	23.28420	79.90130	13:04:22	D	8.70
231	JABALPUR	JABALPUR	S-NPP	23.29170	79.94370	13:04:22	D	4.20
232	JABALPUR	JABALPUR	S-NPP	23.29520	79.89900	13:04:22	D	5.70
233	JABALPUR	JABALPUR	S-NPP	23.30090	79.88810	13:04:22	D	7.80
234	JABALPUR	JABALPUR	S-NPP	23.30940	79.88300	13:04:22	D	5.40
235	JABALPUR	JABALPUR	S-NPP	23.32220	79.95340	13:04:22	D	1.90
236	JABALPUR	JABALPUR	S-NPP	23.32270	79.99060	13:04:22	D	4.50
237	JABALPUR	JABALPUR	S-NPP	23.33460	79.91680	13:04:22	D	2.90
238	JABALPUR	JABALPUR	S-NPP	23.33530	79.99760	13:04:22	D	3.00
239	JABALPUR	JABALPUR	S-NPP	23.33780	80.05500	13:04:22	D	4.20
240	JABALPUR	JABALPUR	S-NPP	23.34460	80.03570	13:04:22	D	5.80
241	JABALPUR	JABALPUR	S-NPP	23.34550	80.03410	13:04:22	D	8.10
242	JABALPUR	JABALPUR	S-NPP	23.35320	79.95670	13:04:22	D	6.90
243	JABALPUR	JABALPUR	S-NPP	23.35400	79.96130	13:04:22	D	6.90
244	JABALPUR	JABALPUR	S-NPP	23.35600	79.95120	13:04:22	D	2.20
245	JABALPUR	JABALPUR	S-NPP	23.35680	79.95590	13:04:22	D	6.90
246	JABALPUR	JABALPUR	S-NPP	23.35770	79.96060	13:04:22	D	6.90
247	JABALPUR	JABALPUR	AQUA	23.10800	80.03600	13:33:30	D	4.50
248	JABALPUR	JABALPUR	AQUA	23.12000	79.86700	13:33:30	D	5.00
249	JABALPUR	JABALPUR	AQUA	23.18600	79.87500	13:33:30	D	6.70
250	JABALPUR	JABALPUR	AQUA	23.22200	79.87300	13:33:30	D	13.50
251	JABALPUR	JABALPUR	AQUA	23.23100	79.99200	13:33:30	D	5.20
252	JABALPUR	JABALPUR	AQUA	23.24000	79.93000	13:33:30	D	9.60
253	JABALPUR	JABALPUR	AQUA	23.25000	79.99800	13:33:30	D	4.50
254	JABALPUR	JABALPUR	AQUA	23.25900	79.87600	13:33:30	D	4.60
255	JABALPUR	JABALPUR	AQUA	23.28200	79.90200	13:33:30	D	9.70
256	JABALPUR	JABALPUR	AQUA	23.28600	79.87100	13:33:30	D	6.50
257	JABALPUR	JABALPUR	AQUA	23.30700	79.88100	13:33:30	D	16.90
258	JABALPUR	JABALPUR	AQUA	23.31000	79.96800	13:33:30	D	37.80
259	JABALPUR	JABALPUR	AQUA	23.31100	79.97700	13:33:30	D	4.80
260	JABALPUR	JABALPUR	AQUA	23.31900	79.89900	13:33:30	D	7.30

261	JABALPUR	JABALPUR	AQUA	23.33400	79.99700	13:33:30	D	7.50
262	JABALPUR	JABALPUR	AQUA	23.34000	80.03600	13:33:30	D	5.10
263	JABALPUR	JABALPUR	AQUA	23.34300	79.93500	13:33:30	D	8.60
264	JABALPUR	JABALPUR	AQUA	23.37700	79.91900	13:33:30	D	12.30
265	JABALPUR	MAJHOULI	S-NPP	23.40040	79.96620	13:04:22	D	4.90
266	JABALPUR	MAJHOULI	S-NPP	23.41700	79.95310	13:04:22	D	4.80
267	JABALPUR	MAJHOULI	S-NPP	23.42480	80.01910	13:04:22	D	5.20
268	JABALPUR	MAJHOULI	S-NPP	23.43530	79.97610	13:04:22	D	5.50
269	JABALPUR	MAJHOULI	S-NPP	23.43570	80.01680	13:04:22	D	3.30
270	JABALPUR	MAJHOULI	S-NPP	23.43650	79.97810	13:04:22	D	2.60
271	JABALPUR	MAJHOULI	S-NPP	23.44260	80.03460	13:04:22	D	3.50
272	JABALPUR	MAJHOULI	S-NPP	23.44340	80.03930	13:04:22	D	3.50
273	JABALPUR	MAJHOULI	S-NPP	23.44540	80.03180	13:04:22	D	7.90
274	JABALPUR	MAJHOULI	S-NPP	23.44630	80.03390	13:04:22	D	3.50
275	JABALPUR	MAJHOULI	S-NPP	23.44910	79.96840	13:04:22	D	2.80
276	JABALPUR	MAJHOULI	S-NPP	23.45210	80.00630	13:04:22	D	5.40
277	JABALPUR	MAJHOULI	S-NPP	23.45380	80.01560	13:04:22	D	4.10
278	JABALPUR	MAJHOULI	S-NPP	23.45940	80.00480	13:04:22	D	5.80
279	JABALPUR	MAJHOULI	S-NPP	23.48180	80.02420	13:04:22	D	6.60
280	JABALPUR	MAJHOULI	S-NPP	23.48360	79.97090	13:04:22	D	3.40
281	JABALPUR	MAJHOULI	S-NPP	23.48440	79.97550	13:04:22	D	3.40
282	JABALPUR	MAJHOULI	S-NPP	23.51250	80.02740	13:04:22	D	3.80
283	JABALPUR	MAJHOULI	S-NPP	23.52310	80.13020	13:04:22	D	2.40
284	JABALPUR	MAJHOULI	S-NPP	23.52770	79.89870	13:04:22	D	5.90
285	JABALPUR	MAJHOULI	S-NPP	23.52840	80.13860	13:04:22	D	4.00
286	JABALPUR	MAJHOULI	S-NPP	23.53470	79.96030	13:04:22	D	5.20
287	JABALPUR	MAJHOULI	S-NPP	23.53920	80.13640	13:04:22	D	5.50
288	JABALPUR	MAJHOULI	S-NPP	23.54840	79.89610	13:04:22	D	3.30
289	JABALPUR	MAJHOULI	S-NPP	23.55140	80.03380	13:04:22	D	6.30
290	JABALPUR	MAJHOULI	S-NPP	23.56770	79.94050	13:04:22	D	5.00
291	JABALPUR	MAJHOULI	AQUA	23.39600	79.98600	13:33:30	D	7.10
292	JABALPUR	MAJHOULI	AQUA	23.44300	79.99200	13:33:30	D	8.80
293	JABALPUR	MAJHOULI	AQUA	23.48600	79.97400	13:33:30	D	4.90



294	JABALPUR	MAJHOULI	AQUA	23.52700	80.12000	13:33:30	D	4.50
295	JABALPUR	MAJHOULI	AQUA	23.55200	80.03600	13:33:30	D	9.50
296	JABALPUR	PATAN	S-NPP	23.18580	79.83150	13:04:22	D	3.30
297	JABALPUR	PATAN	S-NPP	23.19700	79.84100	13:04:22	D	3.90
298	JABALPUR	PATAN	S-NPP	23.19940	79.84350	13:04:22	D	9.10
299	JABALPUR	PATAN	S-NPP	23.20070	79.84020	13:04:22	D	4.50
300	JABALPUR	PATAN	S-NPP	23.20120	79.80060	13:04:22	D	3.60
301	JABALPUR	PATAN	S-NPP	23.20490	79.79980	13:04:22	D	3.60
302	JABALPUR	PATAN	S-NPP	23.20600	79.78470	13:04:22	D	4.50
303	JABALPUR	PATAN	S-NPP	23.21180	79.83790	13:04:22	D	2.90
304	JABALPUR	PATAN	S-NPP	23.21920	79.68720	13:04:22	D	5.20
305	JABALPUR	PATAN	S-NPP	23.22620	79.79040	13:04:22	D	3.60
306	JABALPUR	PATAN	S-NPP	23.22660	79.68560	13:04:22	D	9.20
307	JABALPUR	PATAN	S-NPP	23.22980	79.72500	13:04:22	D	4.60
308	JABALPUR	PATAN	S-NPP	23.23070	79.72980	13:04:22	D	4.60
309	JABALPUR	PATAN	S-NPP	23.23490	79.68890	13:04:22	D	5.80
310	JABALPUR	PATAN	S-NPP	23.24870	79.83020	13:04:22	D	3.90
311	JABALPUR	PATAN	S-NPP	23.25290	79.78980	13:04:22	D	4.20
312	JABALPUR	PATAN	S-NPP	23.26520	79.70760	13:04:22	D	4.30
313	JABALPUR	PATAN	S-NPP	23.27490	79.74050	13:04:22	D	3.80
314	JABALPUR	PATAN	S-NPP	23.27940	79.74450	13:04:22	D	4.00
315	JABALPUR	PATAN	S-NPP	23.29170	79.83600	13:04:22	D	4.90
316	JABALPUR	PATAN	S-NPP	23.32070	79.86100	13:04:22	D	3.30
317	JABALPUR	PATAN	S-NPP	23.33990	79.79800	13:04:22	D	2.60
318	JABALPUR	PATAN	S-NPP	23.35380	79.85410	13:04:22	D	13.20
319	JABALPUR	PATAN	S-NPP	23.38860	79.85670	13:04:22	D	4.40
320	JABALPUR	PATAN	AQUA	23.18800	79.82400	13:33:30	D	14.70
321	JABALPUR	PATAN	AQUA	23.18900	79.83400	13:33:30	D	9.40
322	JABALPUR	PATAN	AQUA	23.20100	79.79600	13:33:30	D	10.60
323	JABALPUR	PATAN	AQUA	23.20300	79.68500	13:33:30	D	10.10
324	JABALPUR	PATAN	AQUA	23.20400	79.69400	13:33:30	D	5.00
325	JABALPUR	PATAN	AQUA	23.20600	79.76500	13:33:30	D	6.20
326	JABALPUR	PATAN	AQUA	23.23000	79.74000	13:33:30	D	17.70

327	JABALPUR	PATAN	AQUA	23.25500	79.84700	13:33:30	D	5.30
328	JABALPUR	PATAN	AQUA	23.27500	79.73200	13:33:30	D	5.90
329	JABALPUR	PATAN	AQUA	23.28600	79.74400	13:33:30	D	10.90
330	JABALPUR	PATAN	AQUA	23.30900	79.77000	13:33:30	D	3.80
331	JABALPUR	PATAN	AQUA	23.35800	79.85200	13:33:30	D	5.00
332	JABALPUR	PATAN	AQUA	23.36300	79.82100	13:33:30	D	6.50
333	JABALPUR	SAHPURA	S-NPP	23.15120	79.74440	13:04:22	D	4.00
334	JABALPUR	SAHPURA	S-NPP	23.15980	79.72760	13:04:22	D	9.70
335	JABALPUR	SAHPURA	S-NPP	23.16410	79.68660	13:04:22	D	4.40
336	JABALPUR	SAHPURA	S-NPP	23.17010	79.65510	13:04:22	D	6.20
337	JABALPUR	SAHPURA	S-NPP	23.17120	79.65700	13:04:22	D	12.90
338	JABALPUR	SAHPURA	S-NPP	23.17880	79.81320	13:04:22	D	6.10
339	JABALPUR	SAHPURA	S-NPP	23.18340	79.75260	13:04:22	D	4.10
340	JABALPUR	SAHPURA	S-NPP	23.18370	79.73260	13:04:22	D	4.20
341	JABALPUR	SAHPURA	S-NPP	23.18530	79.73430	13:04:22	D	4.70
342	JABALPUR	SAHPURA	S-NPP	23.18970	79.76630	13:04:22	D	2.90
343	JABALPUR	SAHPURA	S-NPP	23.19010	79.71830	13:04:22	D	14.30
344	JABALPUR	SAHPURA	S-NPP	23.19060	79.76310	13:04:22	D	3.10
345	JABALPUR	SAHPURA	S-NPP	23.19100	79.72310	13:04:22	D	3.30
346	JABALPUR	SAHPURA	AQUA	23.12800	79.67300	13:33:30	D	5.80
347	JABALPUR	SAHPURA	AQUA	23.15900	79.69800	13:33:30	D	4.60
348	JABALPUR	SAHPURA	AQUA	23.17600	79.62800	13:33:30	D	12.60
349	JABALPUR	SAHPURA	AQUA	23.17700	79.75600	13:33:30	D	18.50
350	JABALPUR	SAHPURA	AQUA	23.17900	79.76500	13:33:30	D	16.80
351	JABALPUR	SAHPURA	AQUA	23.20400	79.75500	13:33:30	D	9.20
352	JABALPUR	SIHORA	S-NPP	23.35610	80.05740	13:04:22	D	1.90
353	JABALPUR	SIHORA	S-NPP	23.37850	80.11970	13:04:22	D	4.00
354	JABALPUR	SIHORA	S-NPP	23.38110	80.17620	13:04:22	D	2.30
355	JABALPUR	SIHORA	S-NPP	23.38490	80.11360	13:04:22	D	4.40
356	JABALPUR	SIHORA	S-NPP	23.39200	80.02590	13:04:22	D	5.10
357	JABALPUR	SIHORA	S-NPP	23.39570	80.02510	13:04:22	D	4.30
358	JABALPUR	SIHORA	S-NPP	23.39670	80.15870	13:04:22	D	2.90
359	JABALPUR	SIHORA	S-NPP	23.40800	80.22250	13:04:22	D	1.80

360	JABALPUR	SIHORA	S-NPP	23.40880	80.31140	13:04:22	D	2.60
361	JABALPUR	SIHORA	S-NPP	23.41240	80.14120	13:04:22	D	4.80
362	JABALPUR	SIHORA	S-NPP	23.41560	80.15950	13:04:22	D	5.90
363	JABALPUR	SIHORA	S-NPP	23.41600	80.14040	13:04:22	D	3.70
364	JABALPUR	SIHORA	S-NPP	23.41920	80.15880	13:04:22	D	5.10
365	JABALPUR	SIHORA	S-NPP	23.42120	80.06300	13:04:22	D	6.90
366	JABALPUR	SIHORA	S-NPP	23.42200	80.06770	13:04:22	D	4.00
367	JABALPUR	SIHORA	S-NPP	23.43050	80.22260	13:04:22	D	1.90
368	JABALPUR	SIHORA	S-NPP	23.43650	80.23540	13:04:22	D	2.60
369	JABALPUR	SIHORA	S-NPP	23.44380	80.19150	13:04:22	D	7.10
370	JABALPUR	SIHORA	S-NPP	23.45910	80.15050	13:04:22	D	4.80
371	JABALPUR	SIHORA	S-NPP	23.45990	80.15510	13:04:22	D	8.00
372	JABALPUR	SIHORA	S-NPP	23.47920	80.11550	13:04:22	D	7.20
373	JABALPUR	SIHORA	S-NPP	23.50300	80.10110	13:04:22	D	4.00
374	JABALPUR	SIHORA	AQUA	23.37900	80.11900	13:33:30	D	4.90
375	JABALPUR	SIHORA	AQUA	23.39300	80.02600	13:33:30	D	6.20
376	JABALPUR	SIHORA	AQUA	23.39400	80.15600	13:33:30	D	10.50
377	JABALPUR	SIHORA	AQUA	23.43100	80.09400	13:33:30	D	6.20
378	JABALPUR	SIHORA	AQUA	23.43400	80.17900	13:33:30	D	6.70
379	JABALPUR	SIHORA	AQUA	23.43400	80.23800	13:33:30	D	4.60
380	JABALPUR	SIHORA	AQUA	23.43500	80.18800	13:33:30	D	7.80
381	JABALPUR	SIHORA	AQUA	23.43500	80.24800	13:33:30	D	10.60
382	JABALPUR	SIHORA	AQUA	23.44900	80.22000	13:33:30	D	17.60
383	JABALPUR	SIHORA	AQUA	23.46300	80.18800	13:33:30	D	5.80
384	JABALPUR	SIHORA	AQUA	23.46700	80.21700	13:33:30	D	5.70
385	JABALPUR	SIHORA	AQUA	23.48800	80.11400	13:33:30	D	3.60
386	KATNI	BAHURIBAND	S-NPP	23.63520	80.06570	13:04:22	D	6.50
387	KATNI	BAHURIBAND	S-NPP	23.67340	80.13370	13:04:22	D	3.30
388	KATNI	BAHURIBAND	S-NPP	23.76730	79.98270	13:04:22	D	3.20
389	KATNI	DHIMERKHEDA	S-NPP	23.47480	80.28380	13:04:22	D	4.60
390	KATNI	DHIMERKHEDA	S-NPP	23.47550	80.28830	13:04:22	D	4.60
391	KATNI	DHIMERKHEDA	S-NPP	23.47760	80.27860	13:04:22	D	3.30
392	KATNI	DHIMERKHEDA	S-NPP	23.50990	80.24610	13:04:22	D	3.20

393	KATNI	DHIMERKHEDA	S-NPP	23.51790	80.24910	13:04:22	D	5.10
394	KATNI	DHIMERKHEDA	S-NPP	23.55320	80.23720	13:04:22	D	3.60
395	KATNI	DHIMERKHEDA	AQUA	23.47000	80.29600	13:33:30	D	4.00
396	KATNI	RITHI	S-NPP	23.93620	80.02750	13:04:22	D	1.10
397	MANDLA	BACHHIYA	AQUA	22.45600	80.68300	13:33:30	D	6.60
398	MANDLA	NAINPUR	S-NPP	22.38770	80.18310	13:04:22	D	2.40
399	MANDLA	NAINPUR	S-NPP	22.47900	80.09650	13:04:22	D	2.10
400	MANDLA	NAINPUR	S-NPP	22.47910	80.10870	13:04:22	D	2.50
401	MANDLA	NAINPUR	S-NPP	22.51110	80.05320	13:04:22	D	2.10
402	MANDLA	NAINPUR	S-NPP	22.51590	80.03750	13:04:22	D	3.00
403	MANDLA	NAINPUR	S-NPP	22.52220	80.05100	13:04:22	D	3.70
404	MANDLA	NAINPUR	S-NPP	22.53710	80.09190	13:04:22	D	3.30
405	MANDLA	NAINPUR	AQUA	22.45800	80.06300	13:33:30	D	16.00
406	MANDLA	NAINPUR	AQUA	22.48700	80.07800	13:33:30	D	5.00
407	MANDLA	NAINPUR	AQUA	22.51800	80.03700	13:33:30	D	8.00
408	NARSHIMAPURA	GADARWARA	S-NPP	22.84730	78.69120	13:04:22	D	6.30
409	NARSHIMAPURA	GADARWARA	S-NPP	23.03280	78.88870	13:04:22	D	9.00
410	NARSHIMAPURA	GADARWARA	S-NPP	23.03330	78.89100	13:04:22	D	5.10
411	NARSHIMAPURA	GOTECAON	S-NPP	22.93910	79.45090	13:04:22	D	5.60
412	NARSHIMAPURA	GOTECAON	S-NPP	22.97750	79.48940	13:04:22	D	5.00
413	NARSHIMAPURA	GOTECAON	S-NPP	22.98460	79.42040	13:04:22	D	9.40
414	NARSHIMAPURA	GOTECAON	S-NPP	23.03130	79.53170	13:04:22	D	4.60
415	NARSHIMAPURA	GOTECAON	S-NPP	23.03240	79.53450	13:04:22	D	4.50
416	NARSHIMAPURA	GOTECAON	AQUA	22.97800	79.48200	13:33:30	D	7.60
417	NARSHIMAPURA	GOTECAON	AQUA	23.02800	79.44200	13:33:30	D	8.70
418	NARSHIMAPURA	KARELI	S-NPP	22.88090	79.13470	13:04:22	D	4.40
419	PANNA	PANNA	S-NPP	24.54280	80.40850	13:04:22	D	4.10
420	PANNA	PANNA	S-NPP	24.61160	80.40900	13:04:22	D	6.90
421	PANNA	SHAHNAGAR	S-NPP	23.93010	79.97160	13:04:22	D	1.90
422	PANNA	SHAHNAGAR	AQUA	23.91200	79.97800	13:33:30	D	5.60
423	RAISEN	BARELI	S-NPP	22.83590	78.05080	13:04:22	D	3.50
424	RAISEN	BARELI	S-NPP	22.84020	78.09550	13:04:22	D	3.10
425	RAISEN	BARELI	S-NPP	22.88800	78.06450	13:04:22	D	2.80

426	RAISEN	BARELI	S-NPP	22.94320	77.97310	13:04:22	D	3.80
427	RAISEN	BARELI	S-NPP	22.95580	78.10740	13:04:22	D	5.90
428	RAISEN	BARELI	S-NPP	22.95920	78.19240	13:04:22	D	2.60
429	RAISEN	BARELI	S-NPP	22.99380	78.19700	13:04:22	D	1.60
430	RAISEN	BARELI	AQUA	22.89200	78.04400	13:33:30	D	7.50
431	RAISEN	BARELI	AQUA	22.89400	78.05600	13:33:30	D	7.90
432	RAISEN	GOHARGANJ	S-NPP	22.92520	77.65310	13:04:22	D	2.00
433	RAISEN	GOHARGANJ	S-NPP	22.98980	77.62530	13:04:22	D	4.00
434	RAISEN	GOHARGANJ	S-NPP	23.02010	77.58070	13:04:22	D	2.00
435	RAISEN	GOHARGANJ	S-NPP	23.04650	77.69290	13:04:22	D	7.70
436	RAISEN	GOHARGANJ	S-NPP	23.05090	77.64840	13:04:22	D	4.10
437	RAISEN	GOHARGANJ	S-NPP	23.05560	77.69520	13:04:22	D	7.00
438	RAISEN	GOHARGANJ	S-NPP	23.07030	77.45380	13:04:22	D	1.80
439	RAISEN	GOHARGANJ	S-NPP	23.07290	77.45400	13:04:22	D	4.60
440	RAISEN	GOHARGANJ	S-NPP	23.07370	77.60820	13:04:22	D	3.10
441	RAISEN	GOHARGANJ	S-NPP	23.07460	77.45290	13:04:22	D	1.80
442	RAISEN	GOHARGANJ	S-NPP	23.09490	77.54250	13:04:22	D	3.90
443	RAISEN	GOHARGANJ	S-NPP	23.09590	77.54150	13:04:22	D	2.60
444	RAISEN	GOHARGANJ	AQUA	22.99300	77.53200	13:33:30	D	8.10
445	RAISEN	GOHARGANJ	AQUA	23.05000	77.69200	13:33:30	D	10.60
446	RAISEN	RAISEN	S-NPP	23.44370	77.81420	13:04:22	D	3.60
447	RAISEN	RAISEN	S-NPP	23.47180	77.74990	13:04:22	D	1.50
448	RAJGARH	KHILCHIPUR	S-NPP	24.16400	76.50750	13:04:22	D	4.30
449	REWA	GURH	S-NPP	24.46280	81.48590	13:04:22	D	1.90
450	REWA	HUZUR	S-NPP	24.39900	81.35210	13:04:22	D	2.70
451	REWA	HUZUR	S-NPP	24.40180	81.30530	13:04:22	D	4.40
452	REWA	HUZUR	S-NPP	24.42530	81.28420	13:04:22	D	1.70
453	REWA	HUZUR	S-NPP	24.42650	81.28350	13:04:22	D	2.00
454	REWA	HUZUR	S-NPP	24.45680	81.40790	13:04:22	D	2.60
455	REWA	HUZUR	S-NPP	24.48900	81.26300	13:04:22	D	3.40
456	REWA	HUZUR	S-NPP	24.58070	81.20300	13:04:22	D	3.10
457	REWA	SIRMAUR	S-NPP	24.74950	81.39700	13:04:22	D	2.00
458	REWA	TEONTHAR	S-NPP	24.94570	81.84720	13:04:22	D	1.90

459	REWA	TEONTHAR	S-NPP	24.97940	81.51760	13:04:22	D	3.40
460	REWA	TEONTHAR	S-NPP	24.99970	81.42710	13:04:22	D	1.30
461	REWA	TEONTHAR	AQUA	24.99200	81.42200	13:33:30	D	8.80
462	SATNA	AMARPATAN	S-NPP	24.25570	80.99730	13:04:22	D	3.20
463	SATNA	AMARPATAN	S-NPP	24.25640	81.00140	13:04:22	D	4.40
464	SATNA	AMARPATAN	S-NPP	24.32950	81.06490	13:04:22	D	3.00
465	SATNA	AMARPATAN	S-NPP	24.44230	81.17500	13:04:22	D	2.10
466	SATNA	AMARPATAN	S-NPP	24.45860	81.06090	13:04:22	D	3.40
467	SATNA	AMARPATAN	S-NPP	24.47040	81.08840	13:04:22	D	4.20
468	SATNA	AMARPATAN	AQUA	24.38200	81.20400	13:33:30	D	4.40
469	SATNA	AMARPATAN	AQUA	24.39500	81.23300	13:33:30	D	6.50
470	SATNA	MAIHAR	S-NPP	24.04900	80.50430	13:04:22	D	2.70
471	SATNA	MAIHAR	S-NPP	24.23500	80.83180	13:04:22	D	2.80
472	SATNA	MAIHAR	S-NPP	24.33070	80.81760	13:04:22	D	1.80
473	SATNA	MAIHAR	S-NPP	24.33920	80.86830	13:04:22	D	3.40
474	SATNA	MAIHAR	AQUA	24.28500	80.77000	13:33:30	D	3.80
475	SATNA	NAGOD	S-NPP	24.48510	80.57590	13:04:22	D	3.40
476	SATNA	NAGOD	S-NPP	24.49400	80.54280	13:04:22	D	2.40
477	SATNA	NAGOD	S-NPP	24.52120	80.55660	13:04:22	D	2.10
478	SATNA	NAGOD	S-NPP	24.60960	80.73310	13:04:22	D	7.70
479	SATNA	NAGOD	S-NPP	24.61700	80.69210	13:04:22	D	4.30
480	SATNA	NAGOD	S-NPP	24.62720	80.64590	13:04:22	D	3.10
481	SATNA	NAGOD	S-NPP	24.63010	80.66290	13:04:22	D	2.20
482	SATNA	NAGOD	S-NPP	24.63950	80.56900	13:04:22	D	2.50
483	SATNA	NAGOD	AQUA	24.60000	80.71700	13:33:30	D	4.30
484	SATNA	NAGOD	AQUA	24.63200	80.68600	13:33:30	D	4.50
485	SATNA	RAGURAJNAGAR	S-NPP	24.65960	80.68440	13:04:22	D	1.40
486	SATNA	RAGURAJNAGAR	S-NPP	24.69670	80.92080	13:04:22	D	4.70
487	SATNA	RAGURAJNAGAR	S-NPP	24.70640	80.78870	13:04:22	D	1.30
488	SATNA	RAGURAJNAGAR	AQUA	24.74300	80.75000	13:33:30	D	4.50
489	SATNA	RAMPURBAGHLEAN	S-NPP	24.55000	80.95710	13:04:22	D	2.80
490	SATNA	RAMPURBAGHLEAN	S-NPP	24.56760	81.12500	13:04:22	D	2.30
491	SATNA	RAMPURBAGHLEAN	S-NPP	24.57580	81.04640	13:04:22	D	1.80

492	SATNA	RAMPURBAGHLEAN	S-NPP	24.63010	81.14750	13:04:22	D	3.70
493	SATNA	RAMPURBAGHLEAN	S-NPP	24.69900	80.95480	13:04:22	D	2.40
494	SATNA	RAMPURBAGHLEAN	AQUA	24.62200	81.00400	13:33:30	D	5.30
495	SATNA	RAMPURBAGHLEAN	AQUA	24.65300	81.02900	13:33:30	D	7.90
496	SATNA	UCHAHAR	S-NPP	24.53170	80.72130	13:04:22	D	2.40
497	SEHORE	BUDHNI	S-NPP	22.84720	77.96490	13:04:22	D	6.90
498	SEHORE	BUDHNI	S-NPP	22.84950	77.96400	13:04:22	D	3.90
499	SEHORE	BUDHNI	S-NPP	22.85070	77.99320	13:04:22	D	11.50
500	SEHORE	BUDHNI	S-NPP	22.85270	77.99310	13:04:22	D	10.00
501	SEHORE	BUDHNI	S-NPP	22.90520	77.99830	13:04:22	D	2.20
502	SEHORE	BUDHNI	S-NPP	22.90880	77.97230	13:04:22	D	2.60
503	SEHORE	BUDHNI	AQUA	22.87100	77.97800	13:33:30	D	8.30
504	SEONI	GHANSAUR	S-NPP	22.39370	79.83170	13:04:22	D	6.40
505	SEONI	GHANSAUR	S-NPP	22.42370	79.75990	13:04:22	D	3.40
506	SEONI	GHANSAUR	S-NPP	22.42390	79.76270	13:04:22	D	8.80
507	SEONI	GHANSAUR	AQUA	22.44800	79.81400	13:33:30	D	6.60
508	SEONI	KEWLARI	S-NPP	22.29940	79.78340	13:04:22	D	3.00
509	SEONI	KEWLARI	S-NPP	22.31090	79.89190	13:04:22	D	1.30
510	SEONI	KEWLARI	S-NPP	22.47170	80.04660	13:04:22	D	3.00
511	SEONI	KEWLARI	S-NPP	22.47350	80.04370	13:04:22	D	2.70
512	SEONI	SEONI	S-NPP	22.09970	79.40700	13:04:22	D	2.40
513	SEONI	SEONI	S-NPP	22.10350	79.40620	13:04:22	D	3.80
514	SEONI	SEONI	S-NPP	22.18420	79.72370	13:04:22	D	4.20
515	SEONI	SEONI	S-NPP	22.21460	79.48610	13:04:22	D	3.60
516	SEONI	SEONI	S-NPP	22.24230	79.59560	13:04:22	D	9.50
517	SEONI	SEONI	S-NPP	22.24820	79.75850	13:04:22	D	2.50
518	SEONI	SEONI	S-NPP	22.26850	79.78470	13:04:22	D	4.20
519	SEONI	SEONI	AQUA	22.22000	79.46800	13:33:30	D	6.40
520	SHAHDOL	SOHAGPUR	S-NPP	23.11650	81.39150	13:04:22	D	3.40
521	SHEOPUR	SHEOPUR	S-NPP	25.43610	76.60720	13:04:22	D	6.00
522	SHEOPUR	SHEOPUR	S-NPP	25.45560	76.59320	13:04:22	D	6.90
523	SHEOPUR	SHEOPUR	S-NPP	25.67900	76.61640	13:04:22	D	5.10
524	SHEOPUR	SHEOPUR	AQUA	25.43800	76.59600	13:33:30	D	16.30

525	SHEOPUR	SHEOPUR	AQUA	25.45600	76.58700	13:33:30	D	7.50
526	SHEOPUR	SHEOPUR	AQUA	25.45900	76.60000	13:33:30	D	7.90
527	SHEOPUR	SHEOPUR	AQUA	25.59400	76.60400	13:33:30	D	10.00
528	SHEOPUR	SHEOPUR	AQUA	25.64100	76.52300	13:33:30	D	7.80
529	SHIVPURI	NARWAR	S-NPP	25.59650	78.05980	13:04:22	D	2.30
530	SHIVPURI	NARWAR	S-NPP	25.62330	78.26240	13:04:22	D	3.40
531	SHIVPURI	NARWAR	S-NPP	25.62850	78.12070	13:04:22	D	5.30
532	SHIVPURI	NARWAR	S-NPP	25.63690	78.25080	13:04:22	D	3.10
533	SHIVPURI	NARWAR	S-NPP	25.68150	78.05750	13:04:22	D	4.40
534	SHIVPURI	NARWAR	S-NPP	25.70530	77.99230	13:04:22	D	6.30
535	SHIVPURI	NARWAR	S-NPP	25.70580	78.10060	13:04:22	D	6.10
536	SHIVPURI	NARWAR	S-NPP	25.70620	78.10300	13:04:22	D	11.60
537	SHIVPURI	NARWAR	S-NPP	25.70630	78.06080	13:04:22	D	6.40
538	SHIVPURI	NARWAR	S-NPP	25.70640	77.99780	13:04:22	D	6.30
539	SHIVPURI	NARWAR	S-NPP	25.70690	78.06310	13:04:22	D	6.50
540	SHIVPURI	NARWAR	S-NPP	25.70690	78.10610	13:04:22	D	6.20
541	SHIVPURI	NARWAR	S-NPP	25.71460	77.95560	13:04:22	D	3.70
542	SHIVPURI	NARWAR	S-NPP	25.71850	77.95470	13:04:22	D	3.70
543	SHIVPURI	NARWAR	S-NPP	25.73550	77.97960	13:04:22	D	7.90
544	SHIVPURI	NARWAR	S-NPP	25.74230	77.97230	13:04:22	D	5.40
545	SHIVPURI	NARWAR	AQUA	25.65200	78.14100	13:33:30	D	6.00
546	SHIVPURI	NARWAR	AQUA	25.70100	77.99300	13:33:30	D	12.50
547	SHIVPURI	NARWAR	AQUA	25.70100	78.08700	13:33:30	D	7.30
548	SHIVPURI	NARWAR	AQUA	25.70300	78.09800	13:33:30	D	10.20
549	SHIVPURI	NARWAR	AQUA	25.73700	77.97400	13:33:30	D	15.50
550	SHIVPURI	NARWAR	AQUA	25.73800	77.98500	13:33:30	D	6.60
551	UMARIA	BANDHOGARH	S-NPP	23.52750	80.56780	13:04:22	D	3.10
552	UMARIA	BANDHOGARH	S-NPP	23.57590	80.66370	13:04:22	D	3.00
553	UMARIA	BANDHOGARH	AQUA	23.58800	80.67100	13:33:30	D	5.90
554	VIDESHA	BASODA	AQUA	23.82500	77.89100	13:33:30	D	6.90
555	VIDESHA	VIDESHA	S-NPP	23.39970	78.01940	13:04:22	D	1.90
556	VIDESHA	VIDESHA	AQUA	23.64000	77.83400	13:33:30	D	6.90



**The study used data received from following Satellites at NRSC Ground Station**

S. No.	Satellite Name	Sensor	Resolution (meter)	Day / Night Passes
1.	Suomi NPP	VIIRS	375 / 750	Both
2.	Terra	MODIS	1000	Both
3.	Aqua	MODIS	1000	Both

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

**Study Team**

ICAR - IARI	<b>Dr V.K. Sehgal</b>	Principal & Nodal Scientist	<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 Rajbir Singh	Director ATARI (Zone-I) Ludhiana	<a href="mailto:rajbirsingh.zpd@gmail.com">rajbirsingh.zpd@gmail.com</a>
	Dr S.K. Singh	Director ATARI (Zone-II) Jodhpur	<a href="mailto:sushilsinghiipr@yahoo.co.in">sushilsinghiipr@yahoo.co.in</a>
	Dr Atar Singh	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)

and on IARI CREAMS website (<http://creams.iari.res.in/cms2/index.php>)

\*\*\*