



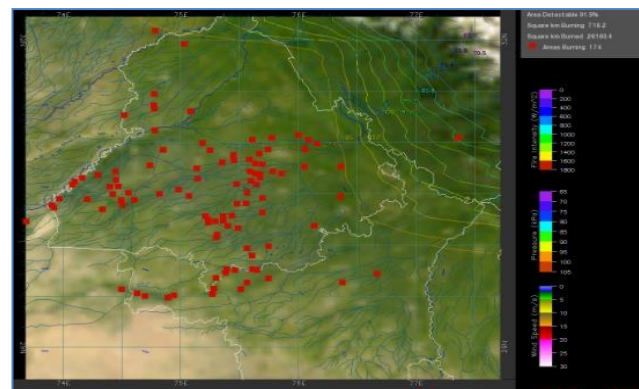
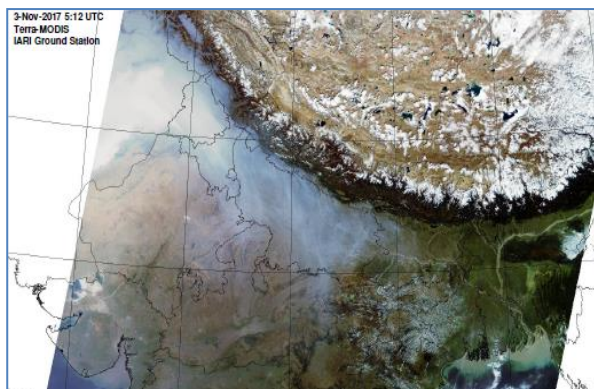
**Bulletin
No. 65**

**Events Date:
18-Nov-2021**

**Issued on:
18-Nov-2021**



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



Prepared by:

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

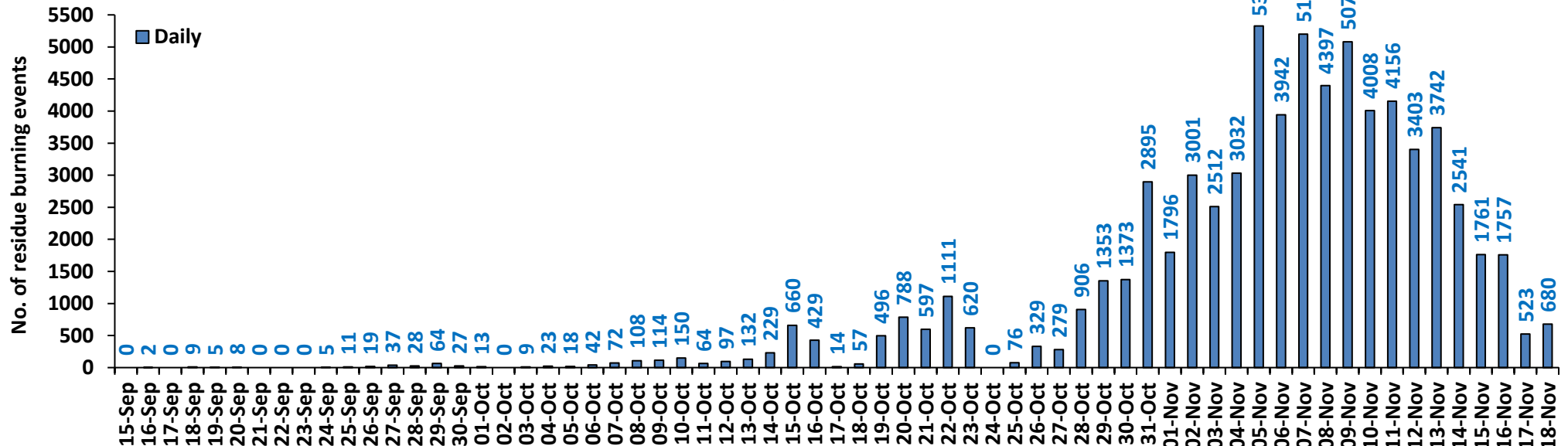
<http://creams.iari.res.in>

Highlights for 18-November-2021

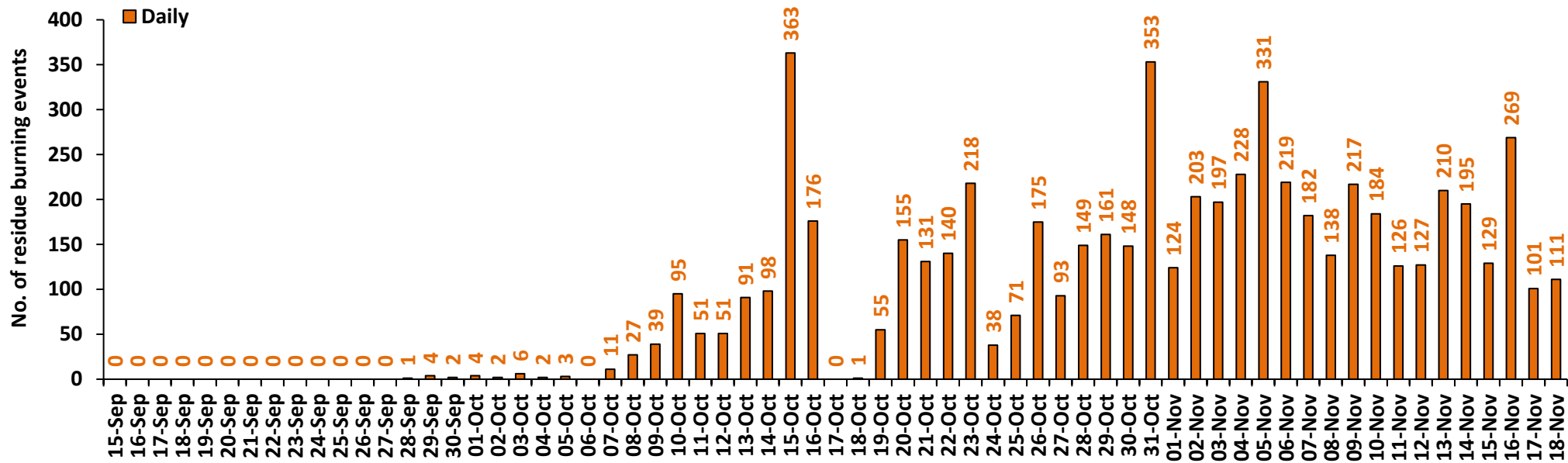
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the new "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **1008** residue burning events in the six study States on 18-Nov-2021.
- The state wise events detected on 18-Nov-21 were **680** in Punjab, **111** in Haryana, **14** in UP, **0** in Delhi, **77** in Raj and **126** in MP.
- Detection of burning events by satellites was hampered due to scattered clouds over UP, northern MP and south eastern Rajasthan.
- The number of events has decreased from **1100** on 17-Nov-2021 to **1008** on 18-Nov-2021 in the six study states.
- Total **86073** burning events were detected in the six states between 15-Sept-2021 and 18-Nov-2021, which are distributed as **70125**, **6205**, **2777**, **4**, **942** and **6020** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Overall, the total burning events recorded in the six states are **15.7%** less than in 2020 till date. Punjab recorded **13.4%** reduction, Haryana recorded **64.6%** increase, UP recorded **7.6%** reduction, Delhi recorded **55.6%** reduction, Rajasthan recorded **34.3%** reduction and MP recorded **53.1%** reduction, in the current season than in 2020.

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

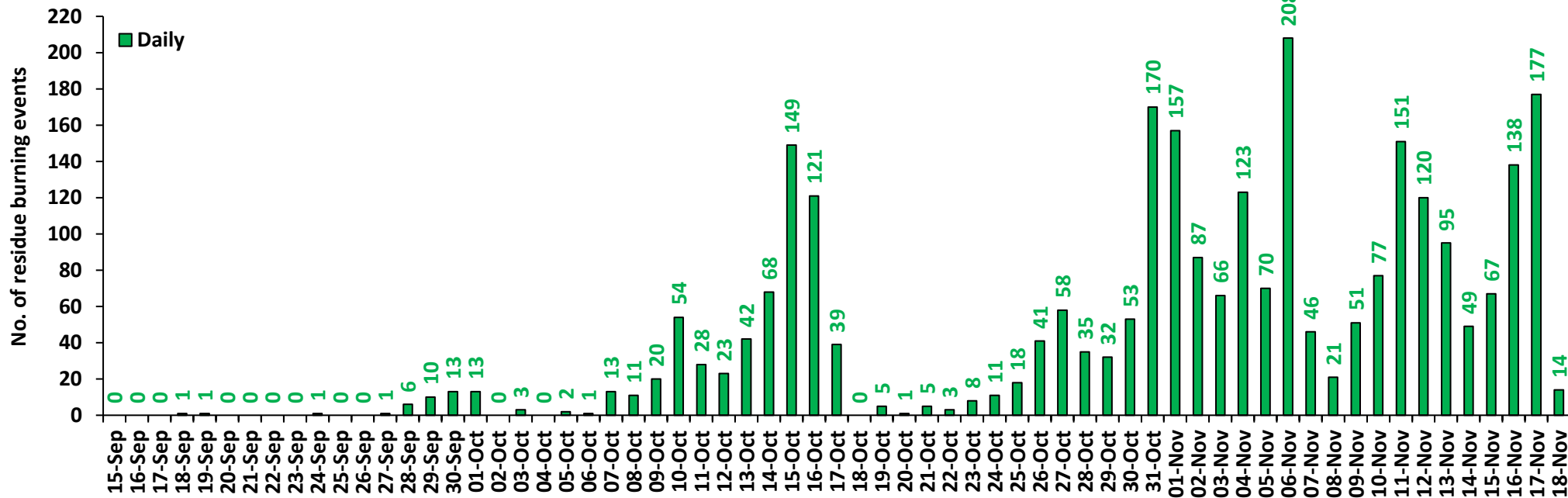
Punjab



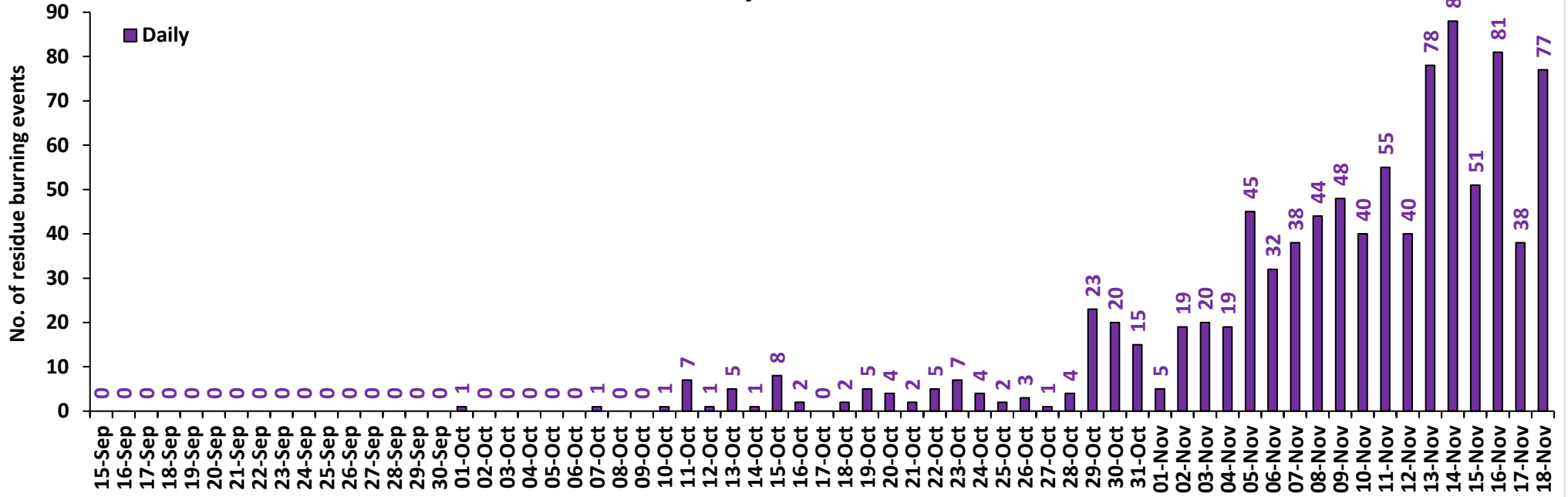
Haryana



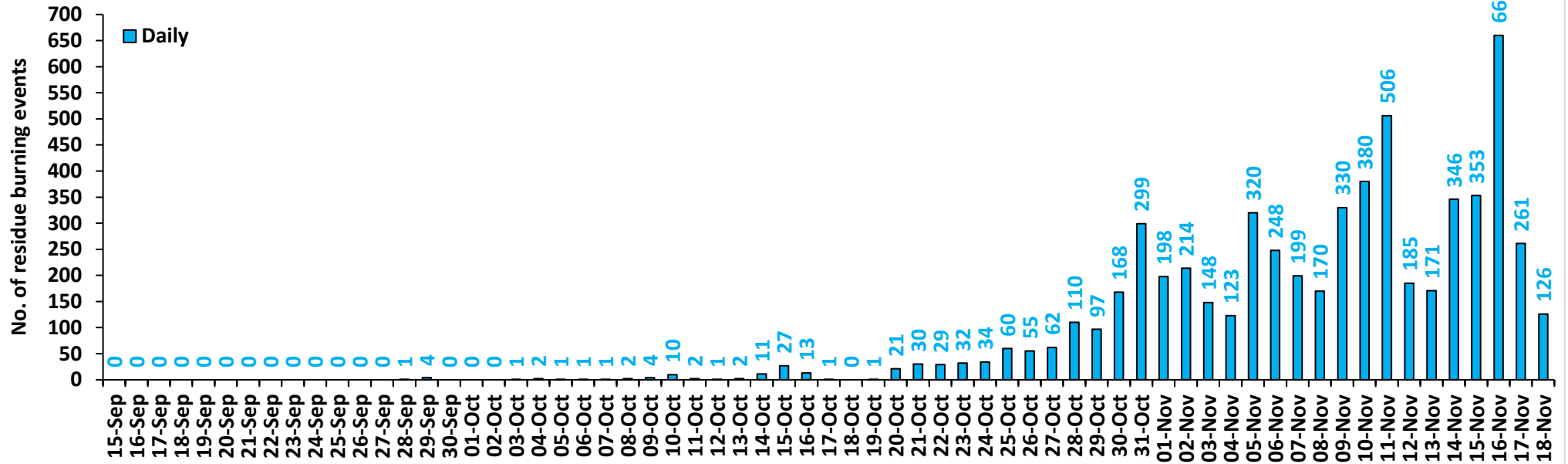
Uttar Pradesh



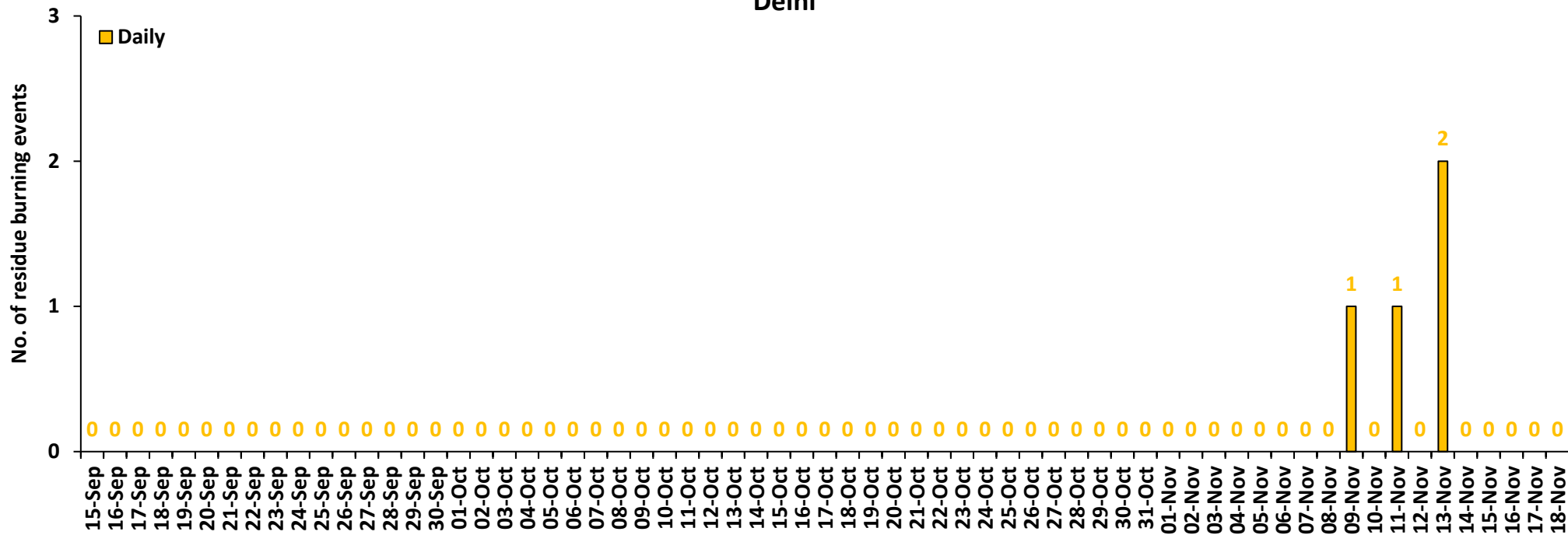
Rajasthan



Madhya Pradesh

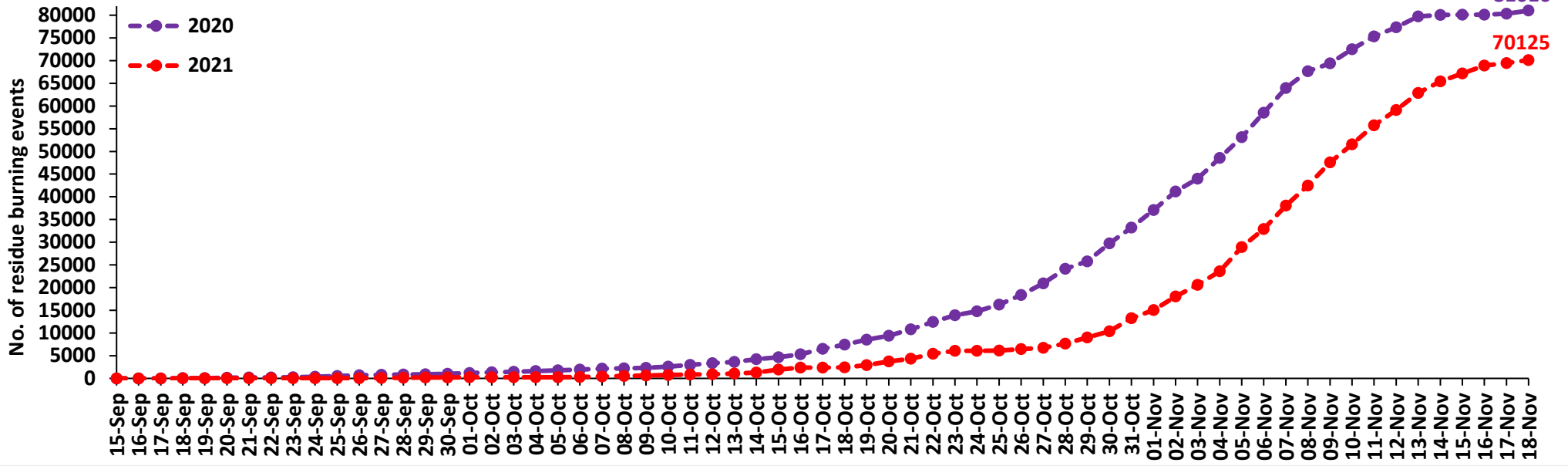


Delhi

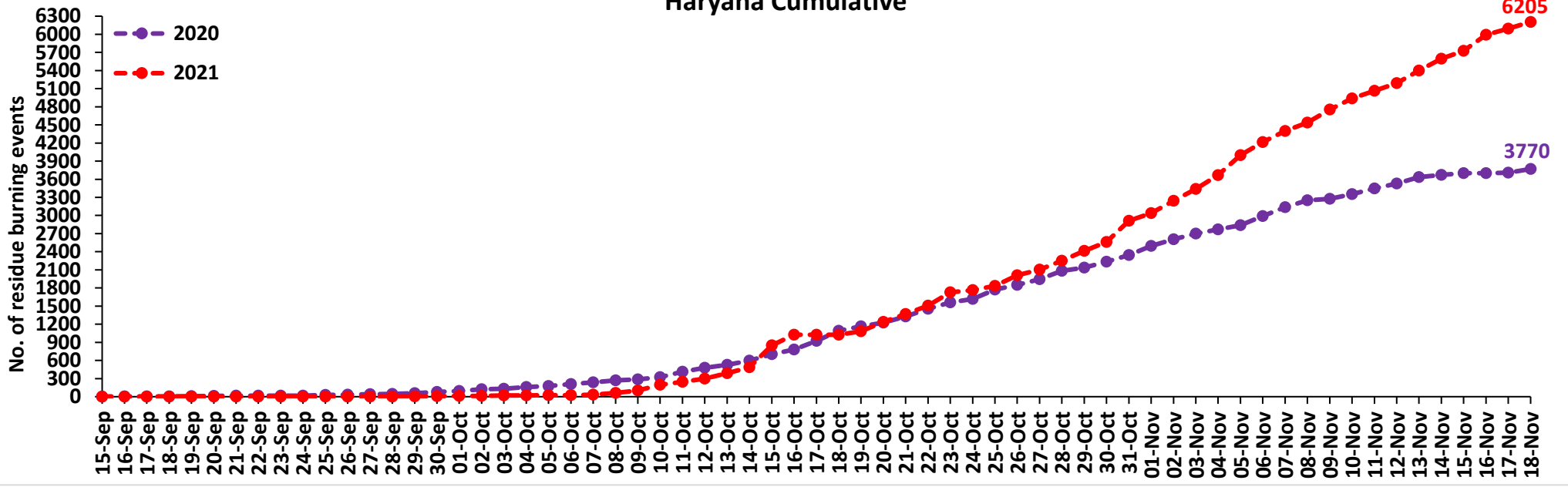


Comparison of residue burning events in current year (2021) with previous year (2020) for the study States

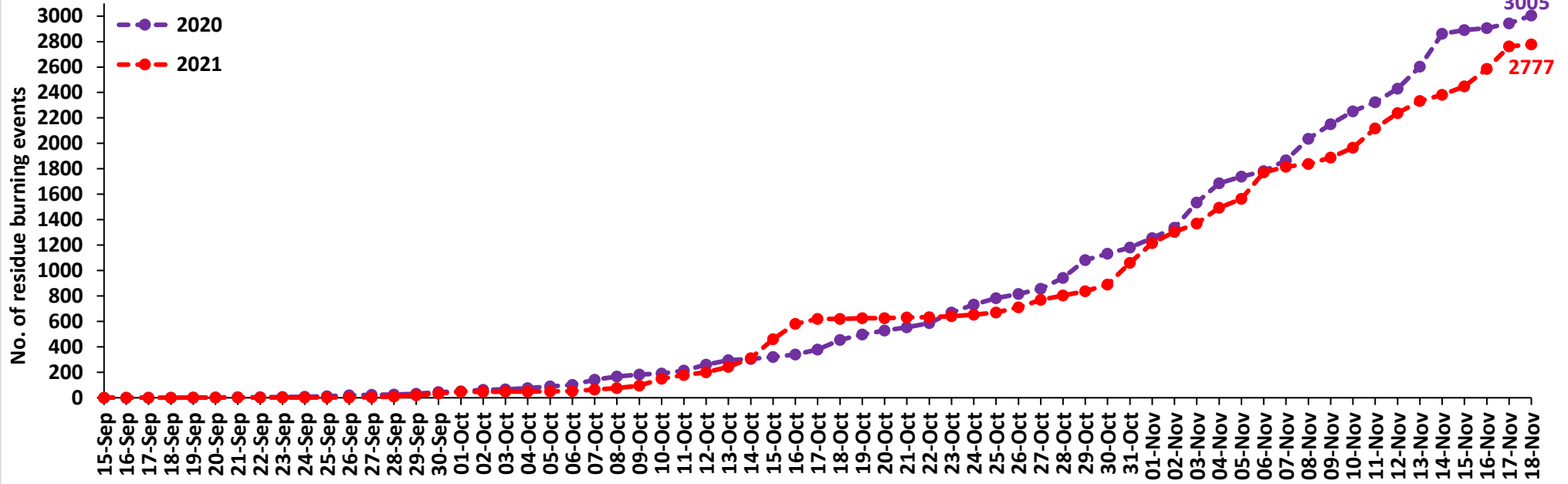
Punjab Cumulative



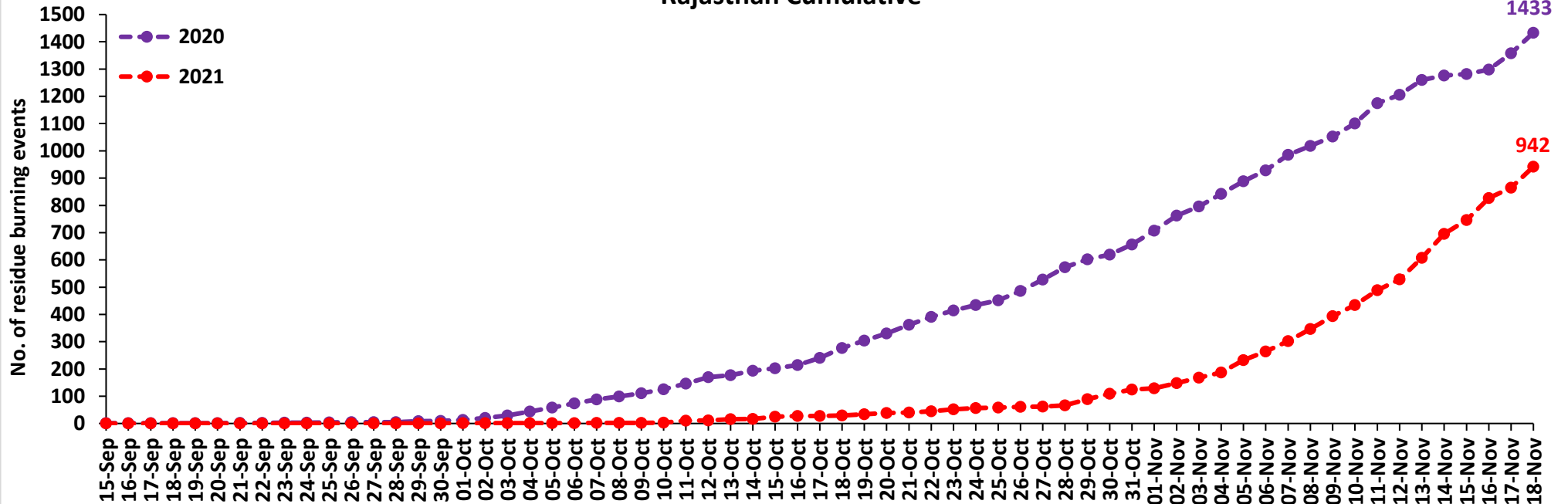
Haryana Cumulative



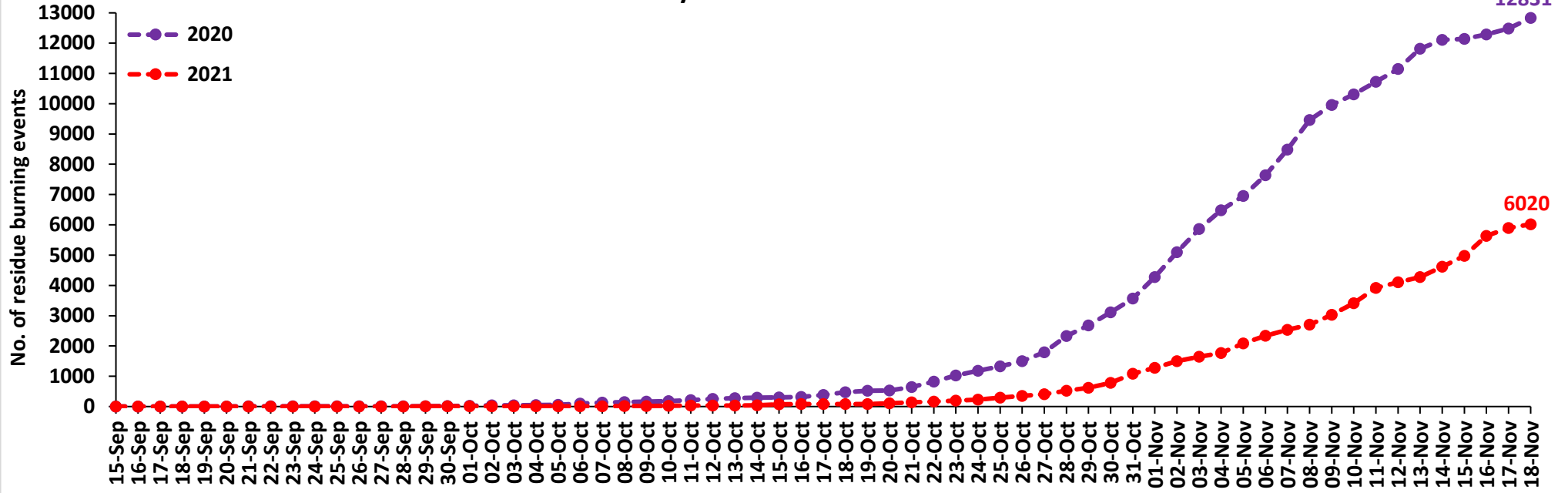
Uttar Pradesh Cumulative



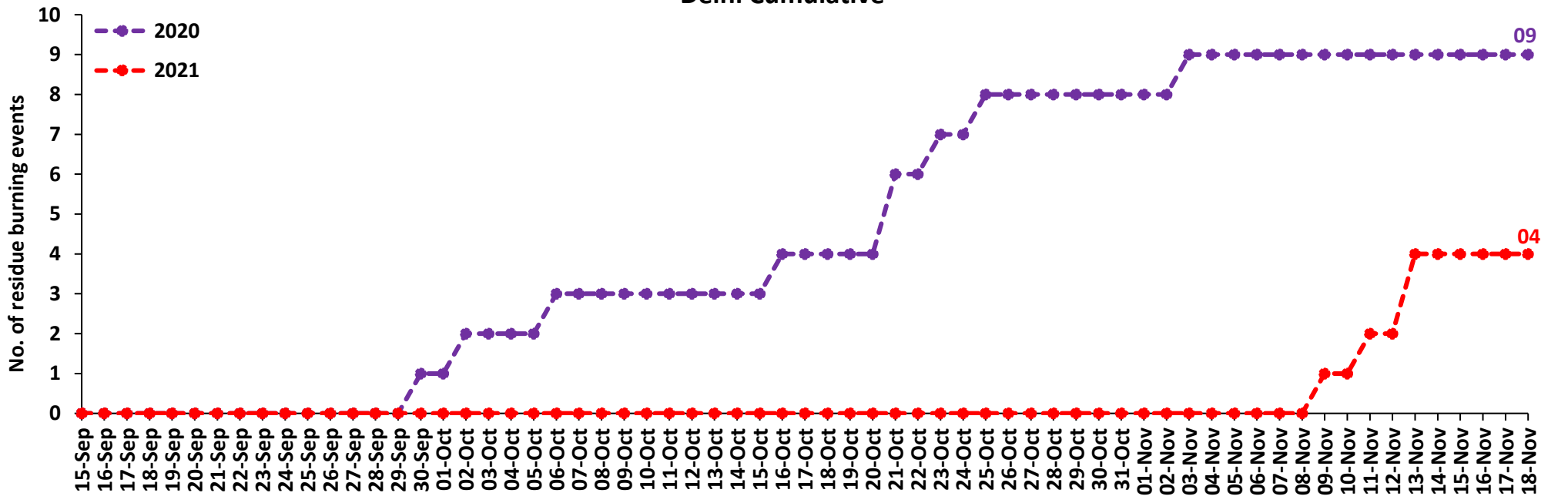
Rajasthan Cumulative



Madhya Pradesh Cumulative

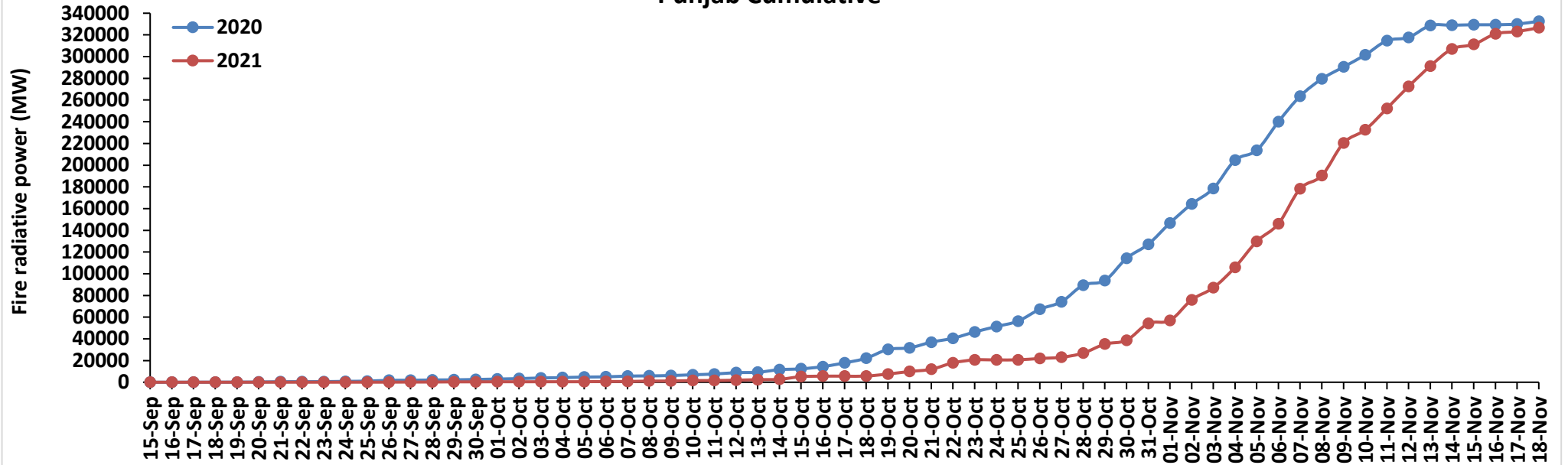


Delhi Cumulative

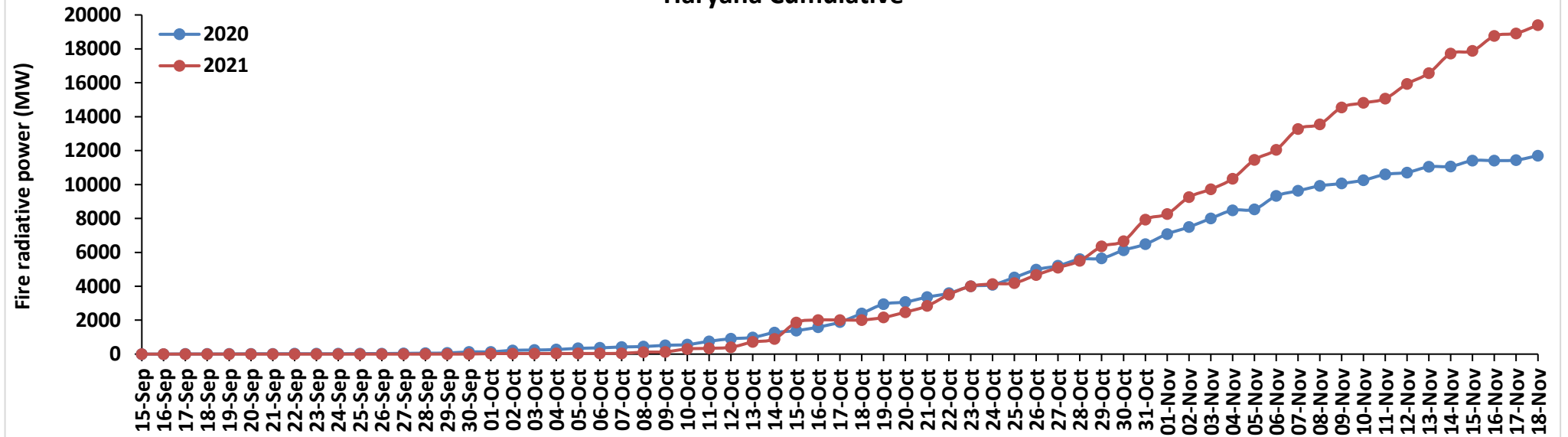


Comparison of residue burning fire power in current year (2021) with previous year (2020) for the study States

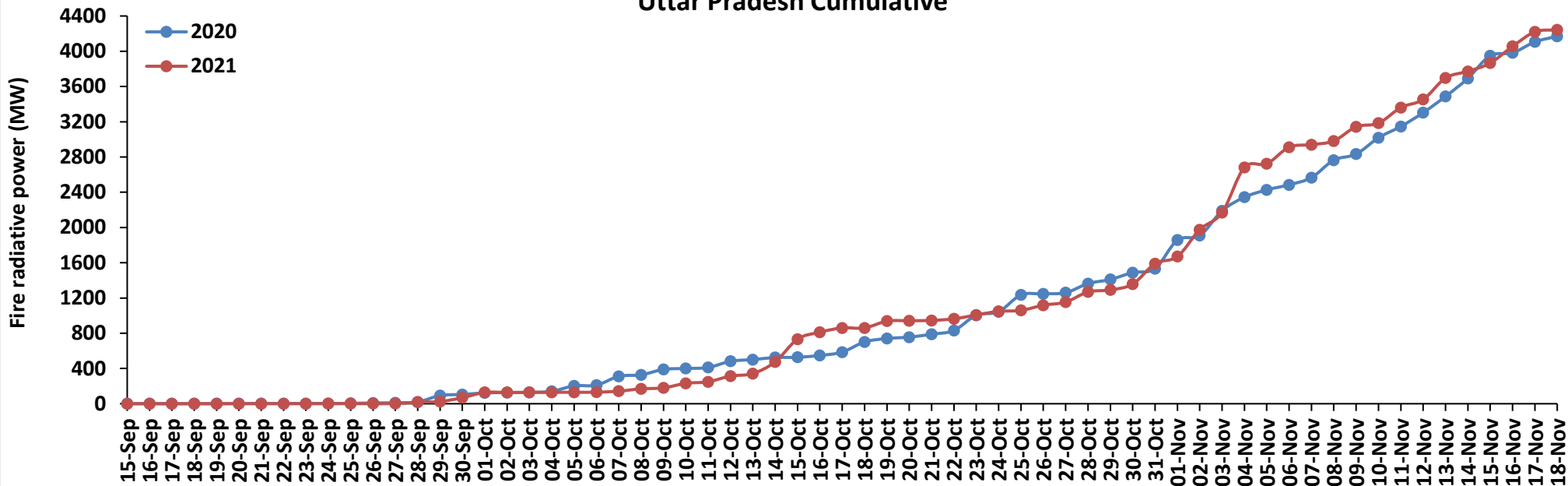
Punjab Cumulative



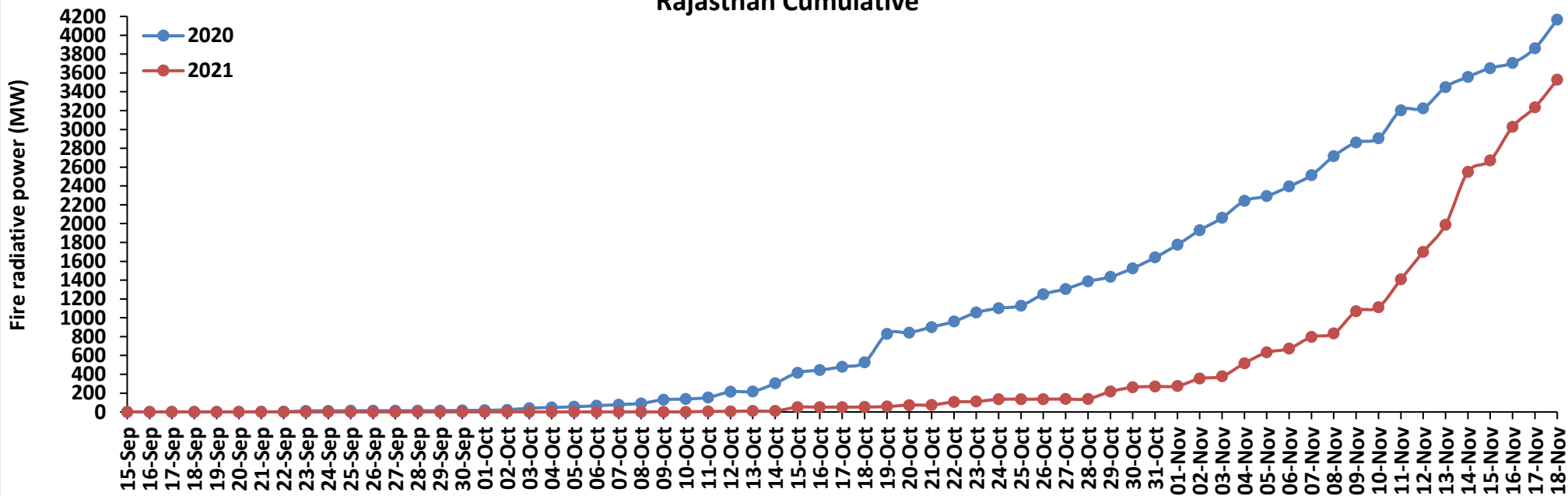
Haryana Cumulative



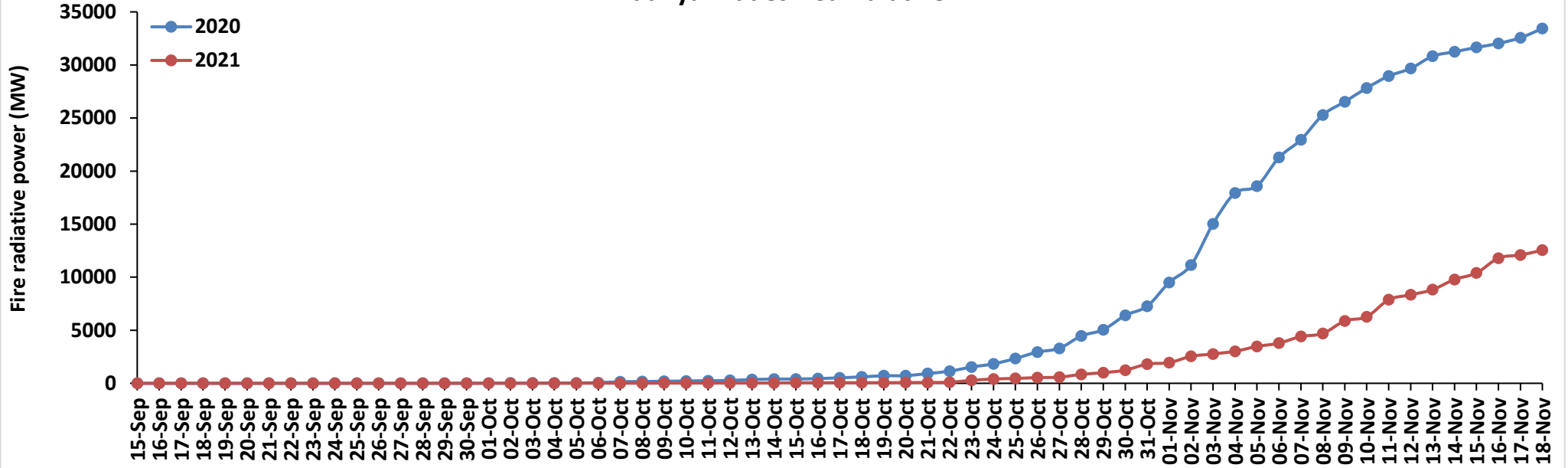
Uttar Pradesh Cumulative



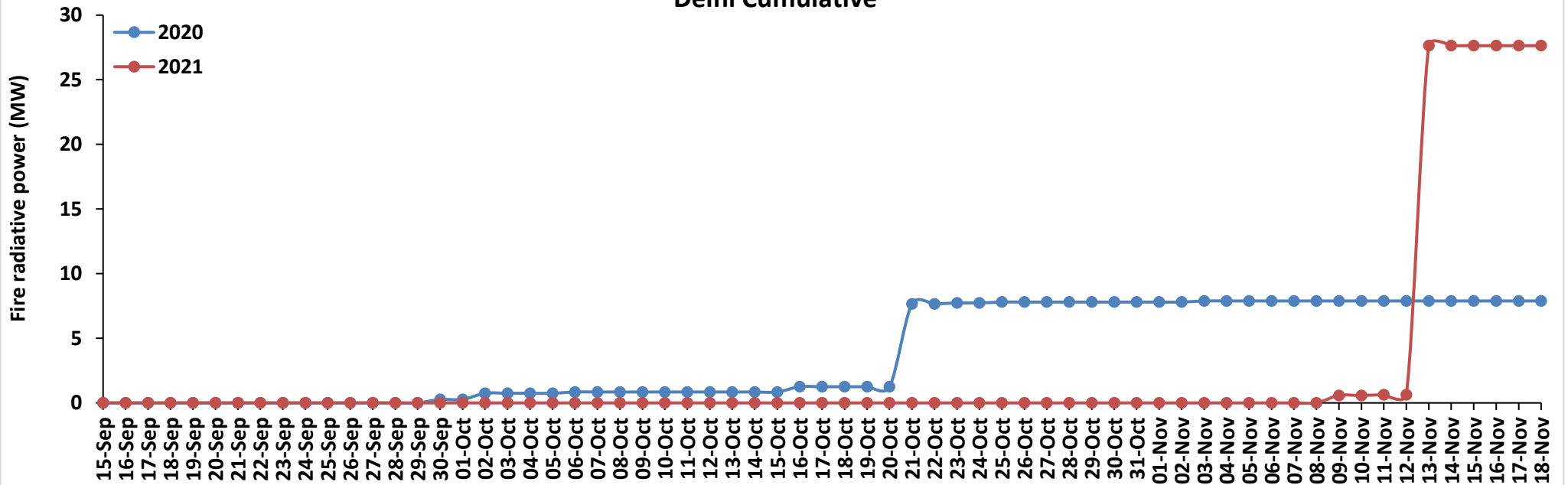
Rajasthan Cumulative



Madhya Pradesh Cumulative

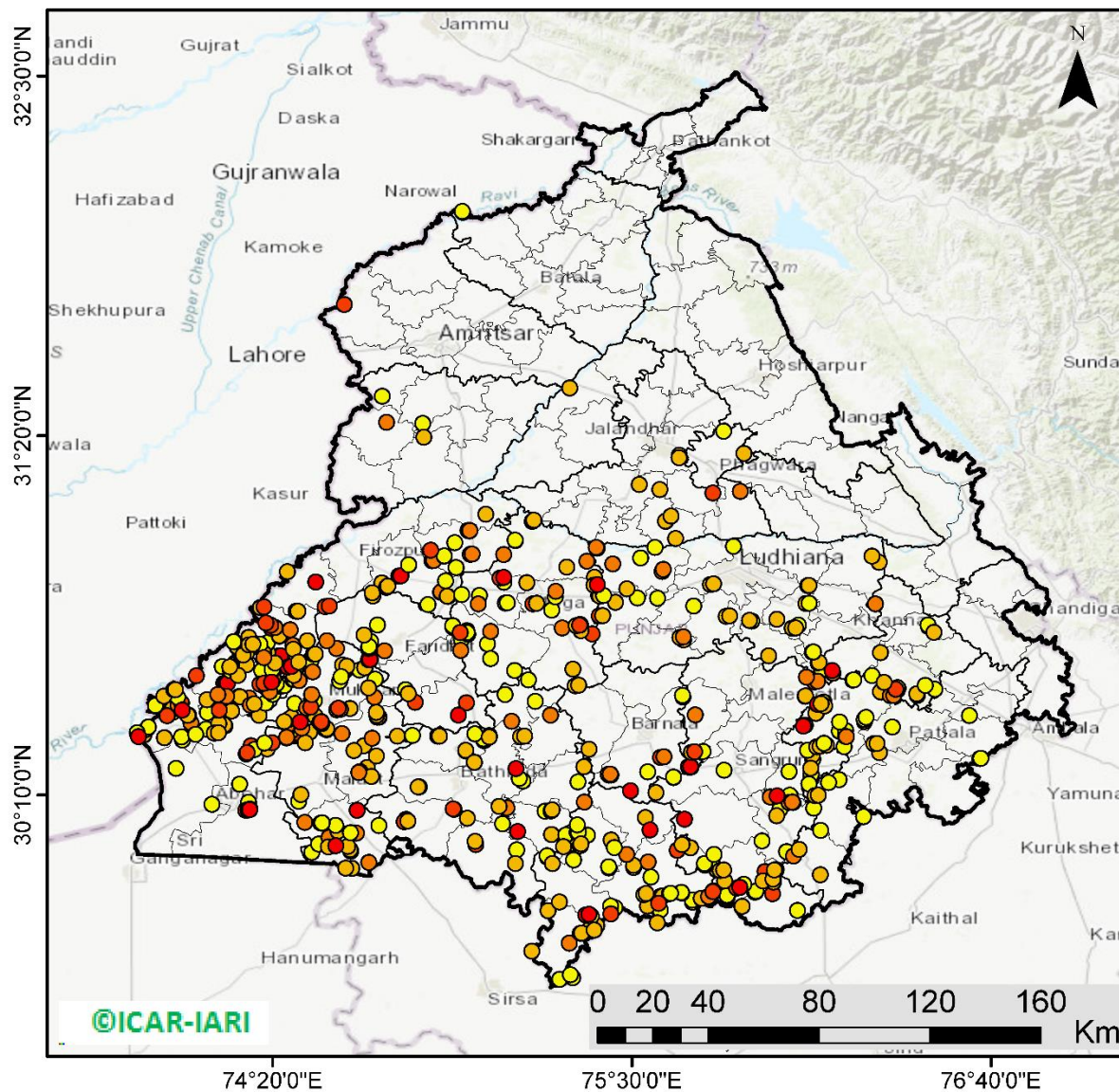


Delhi Cumulative



Punjab

RICE RESIDUE BURNING IN PUNJAB



680 burning events detected in Punjab on 18th November 2021

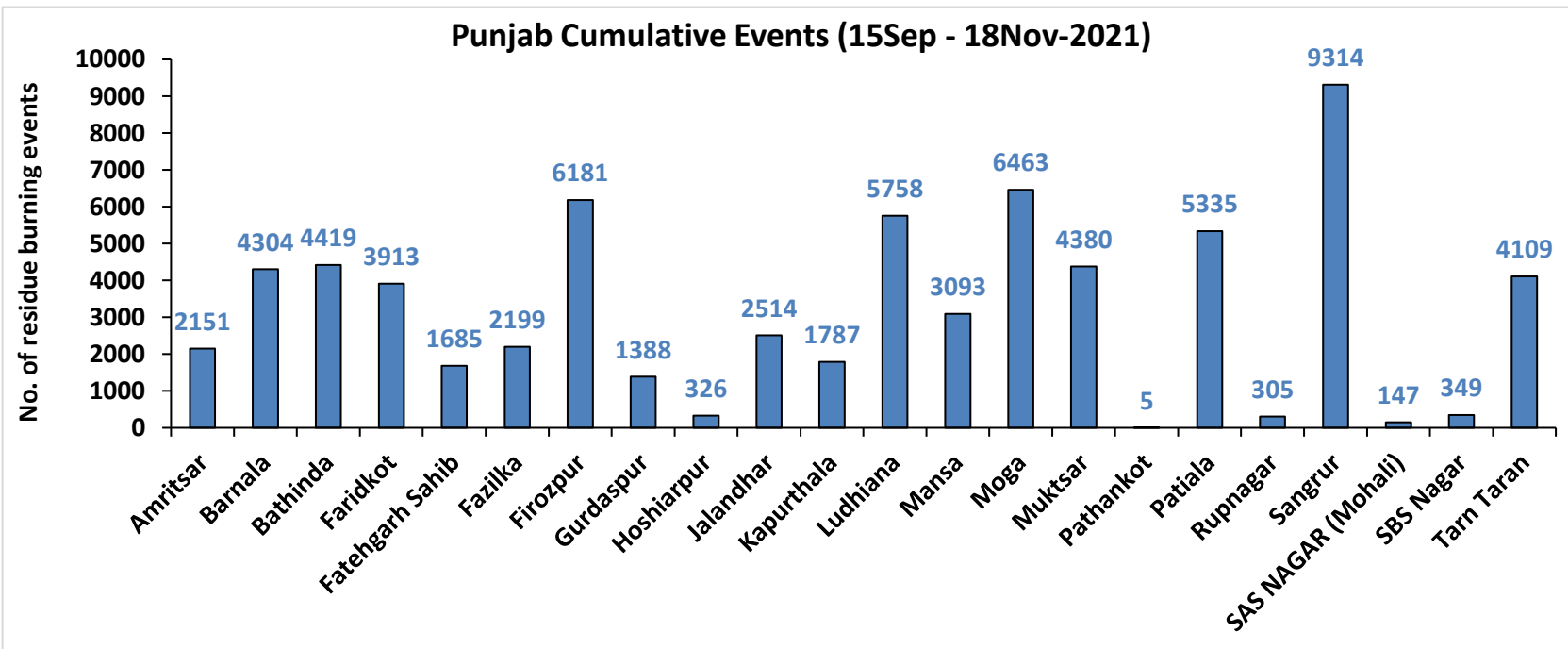
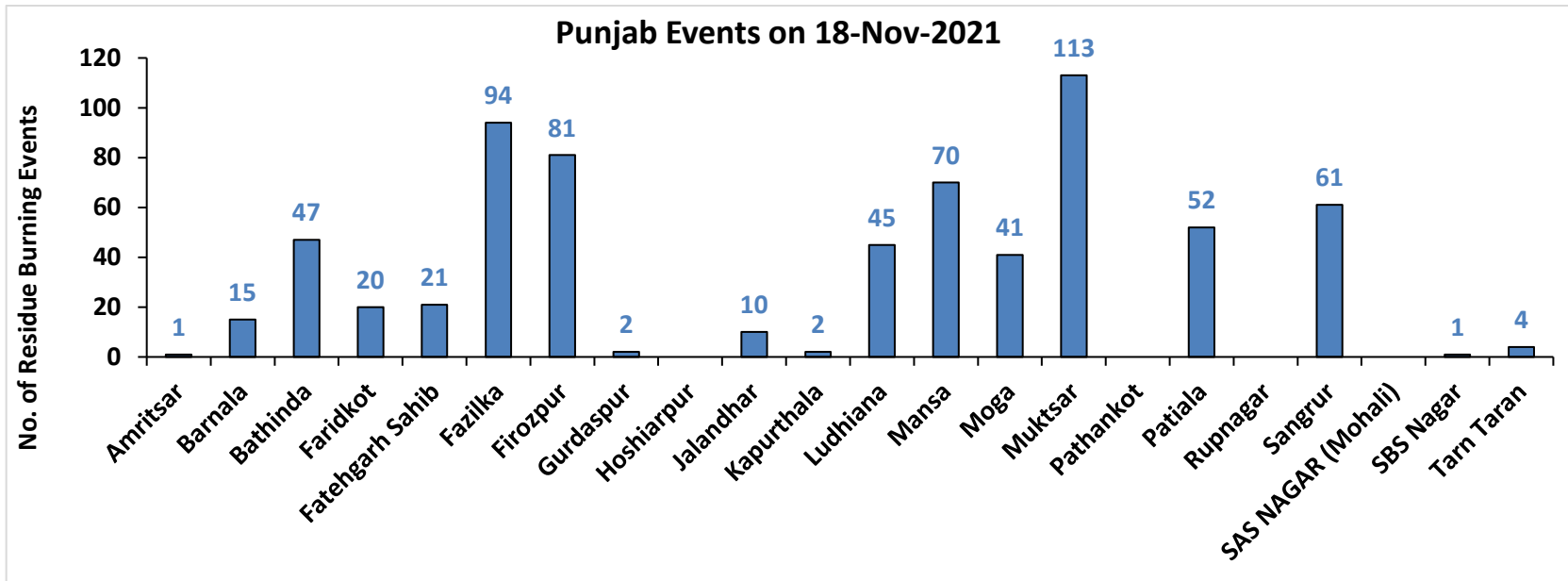
Fire Intensity (W/m²)

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



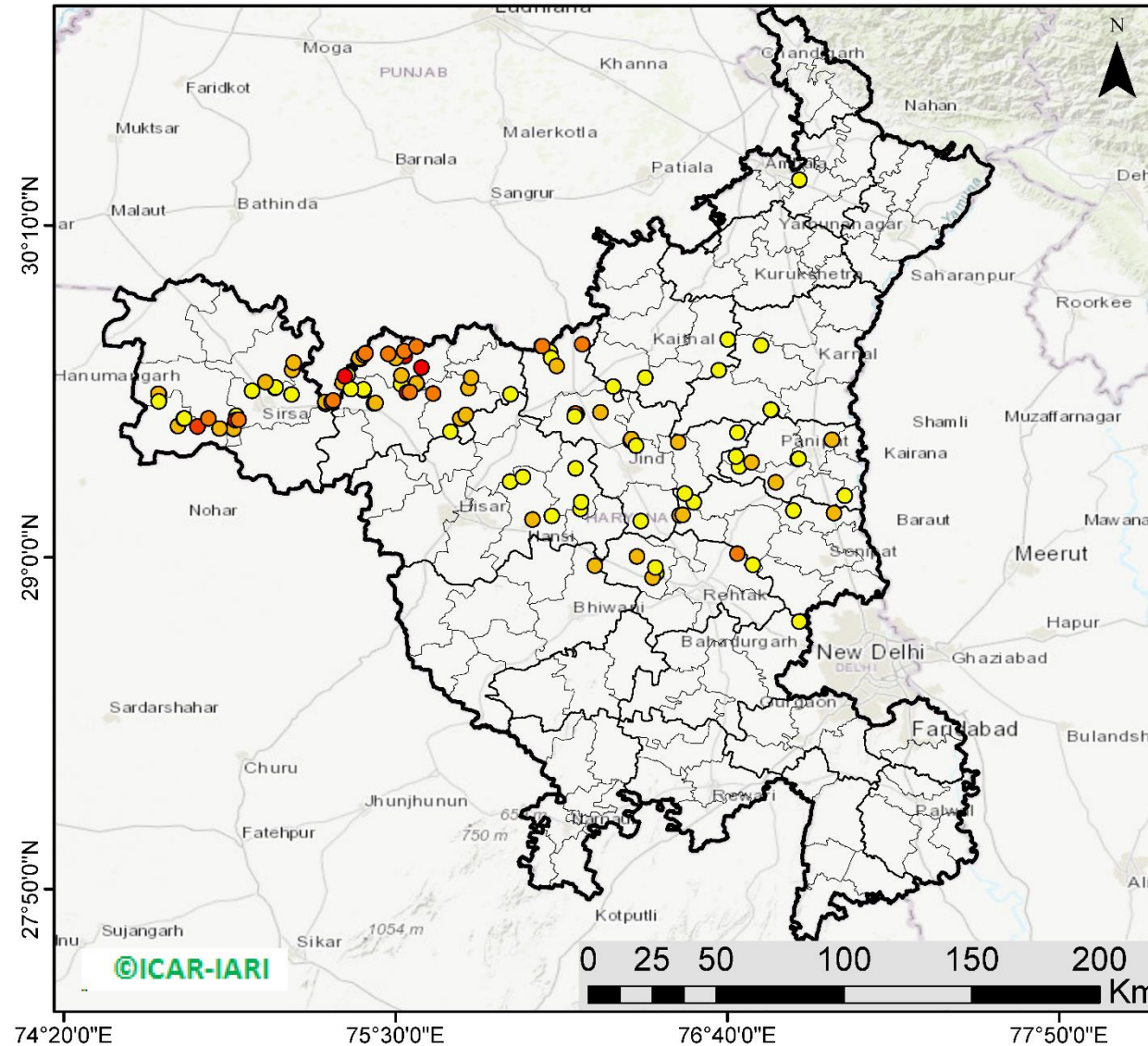
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Punjab (15 Sep - 18 Nov-2021)



Haryana

RICE RESIDUE BURNING IN HARYANA



111 burning events detected in Haryana on 18th November 2021

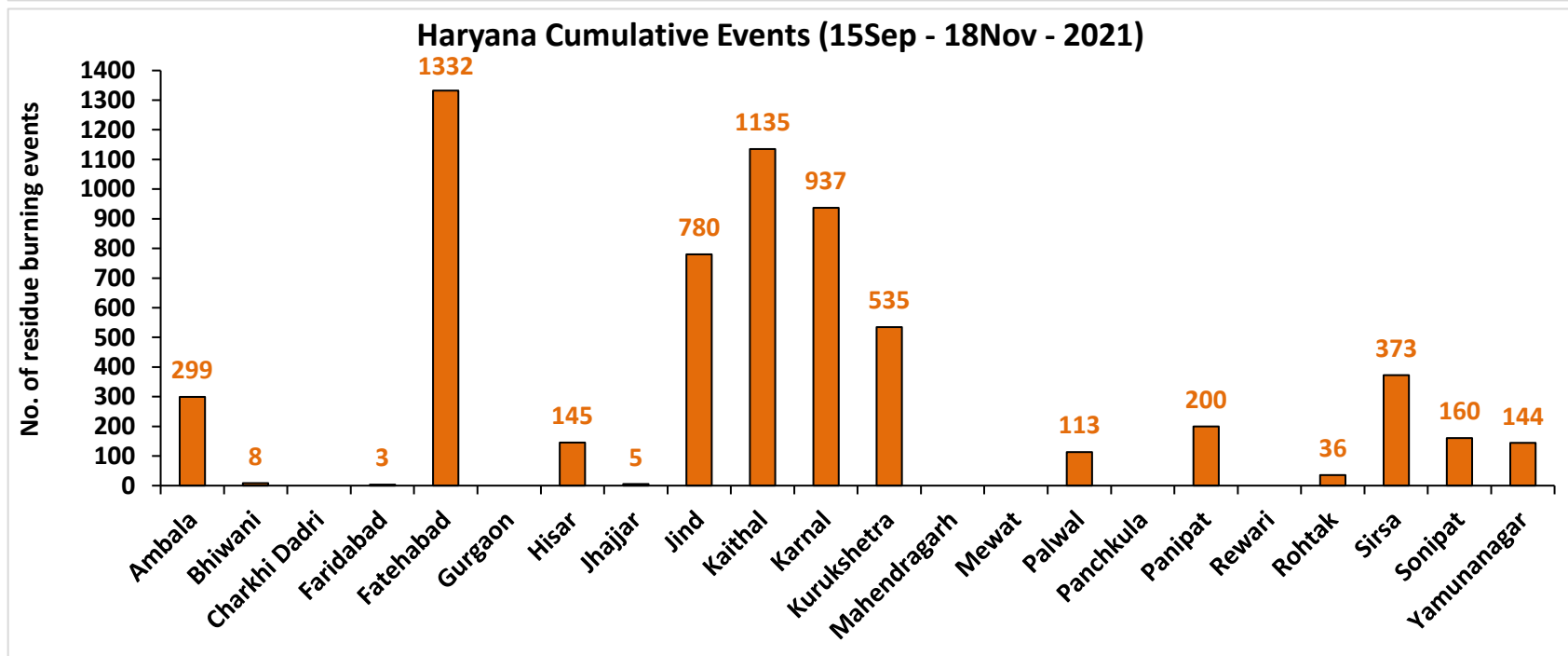
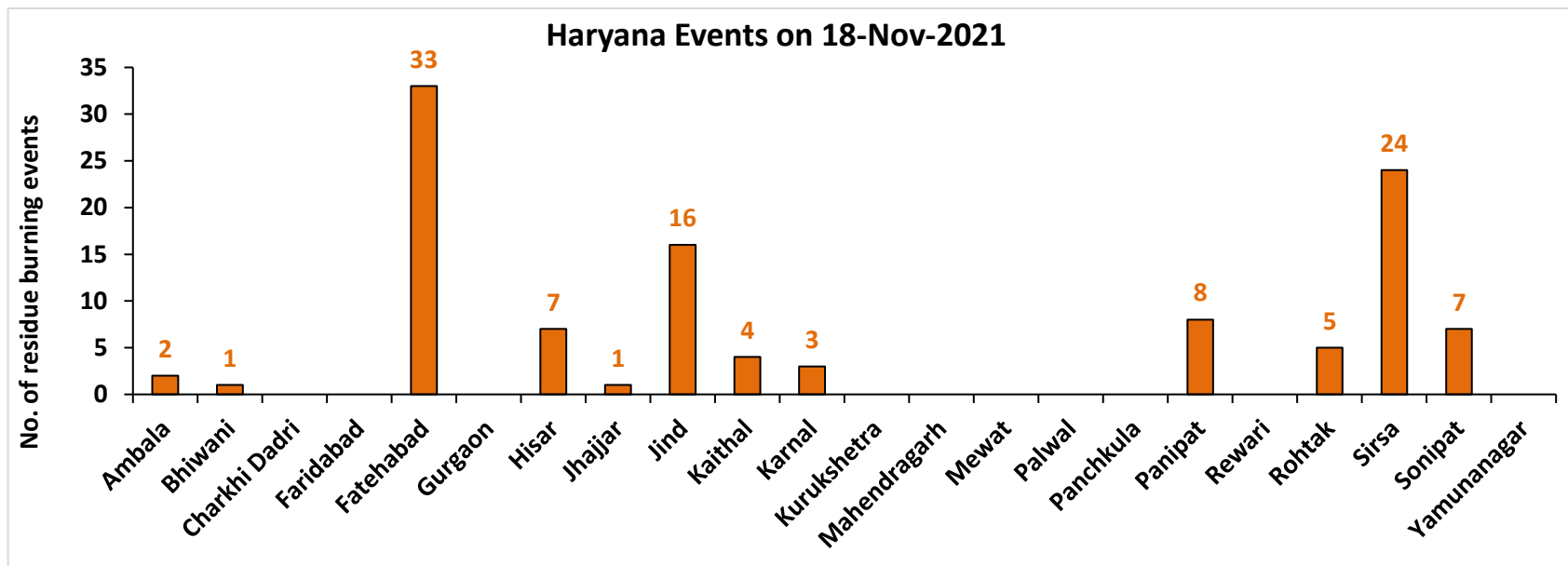
Fire Intensity (W/m²)

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



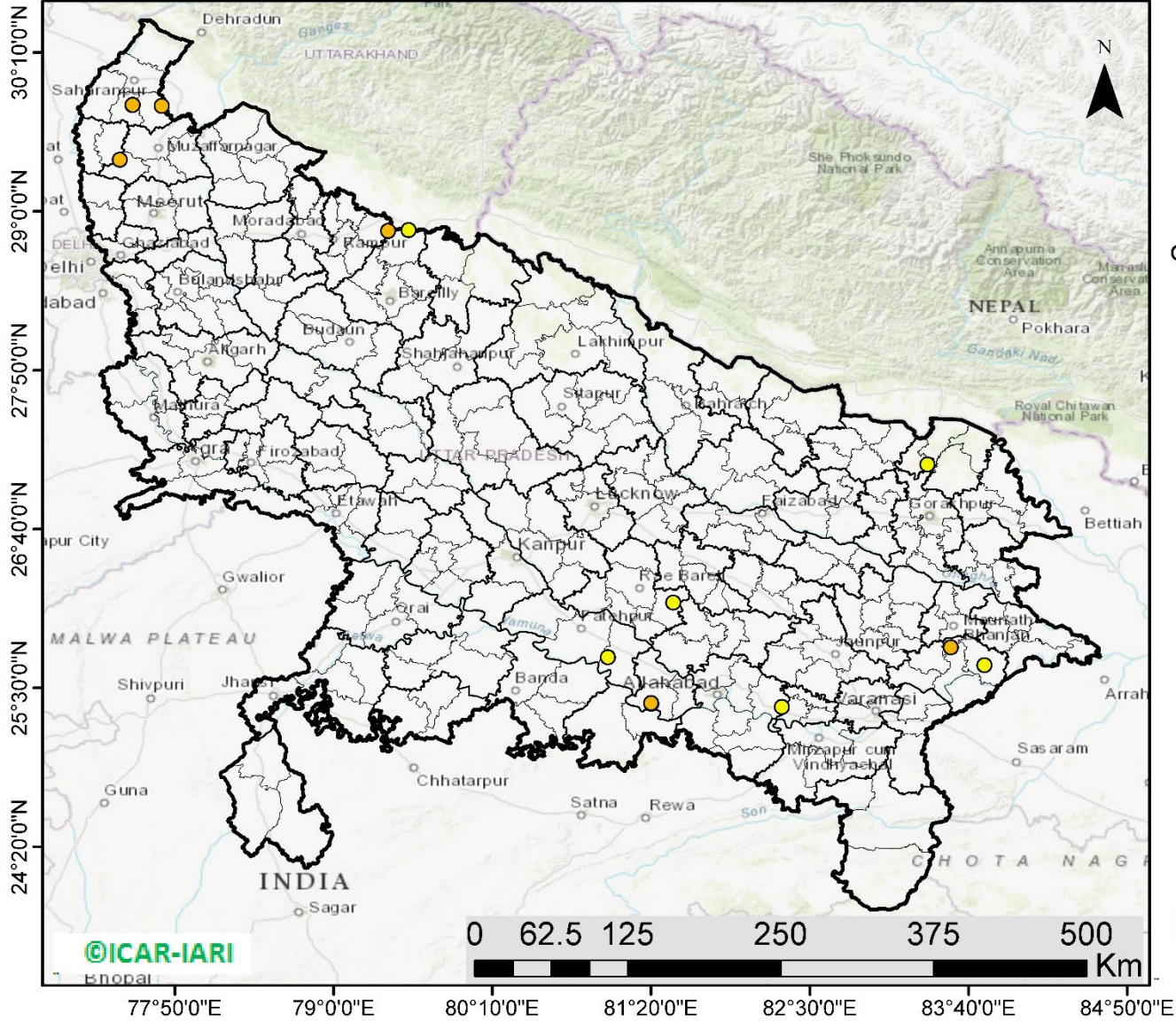
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Haryana (15 Sep - 18 Nov-2021)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



14 burning events detected in Uttar Pradesh on 18th November 2021

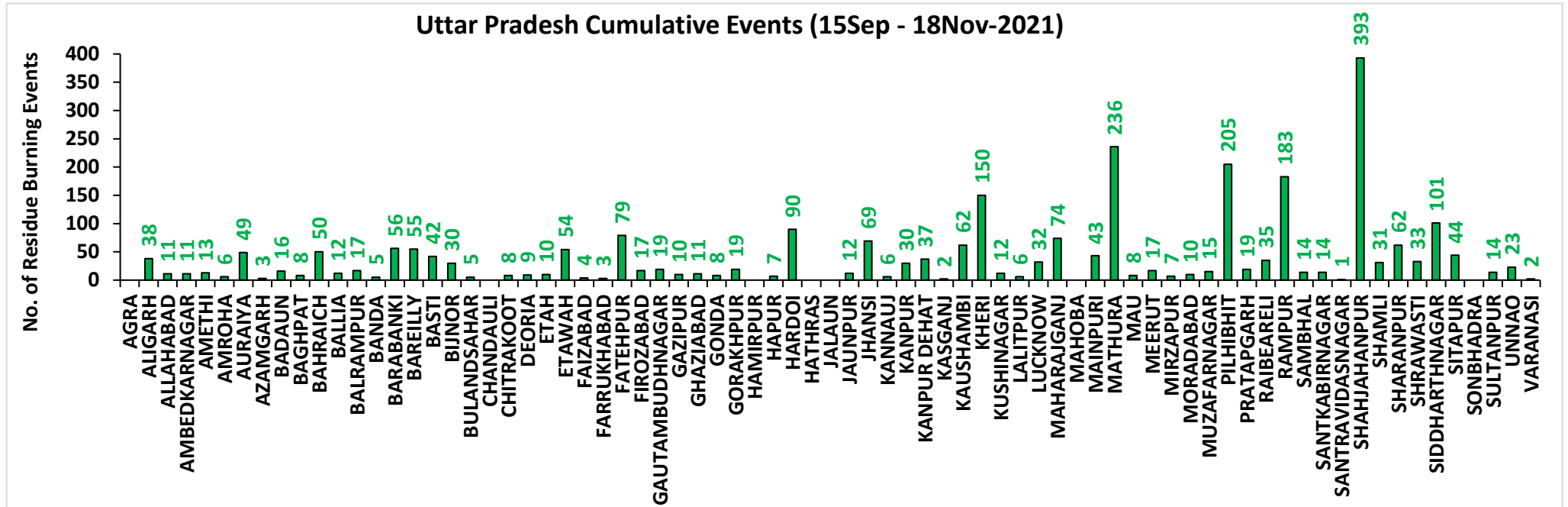
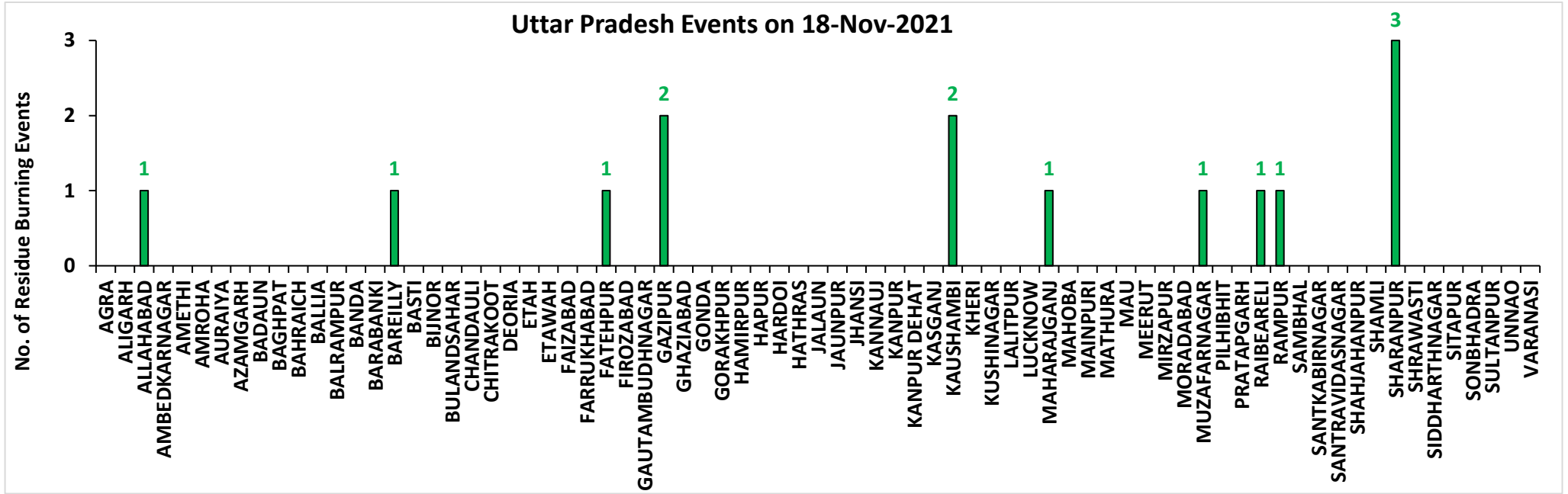
Fire Intensity (W/m2)

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



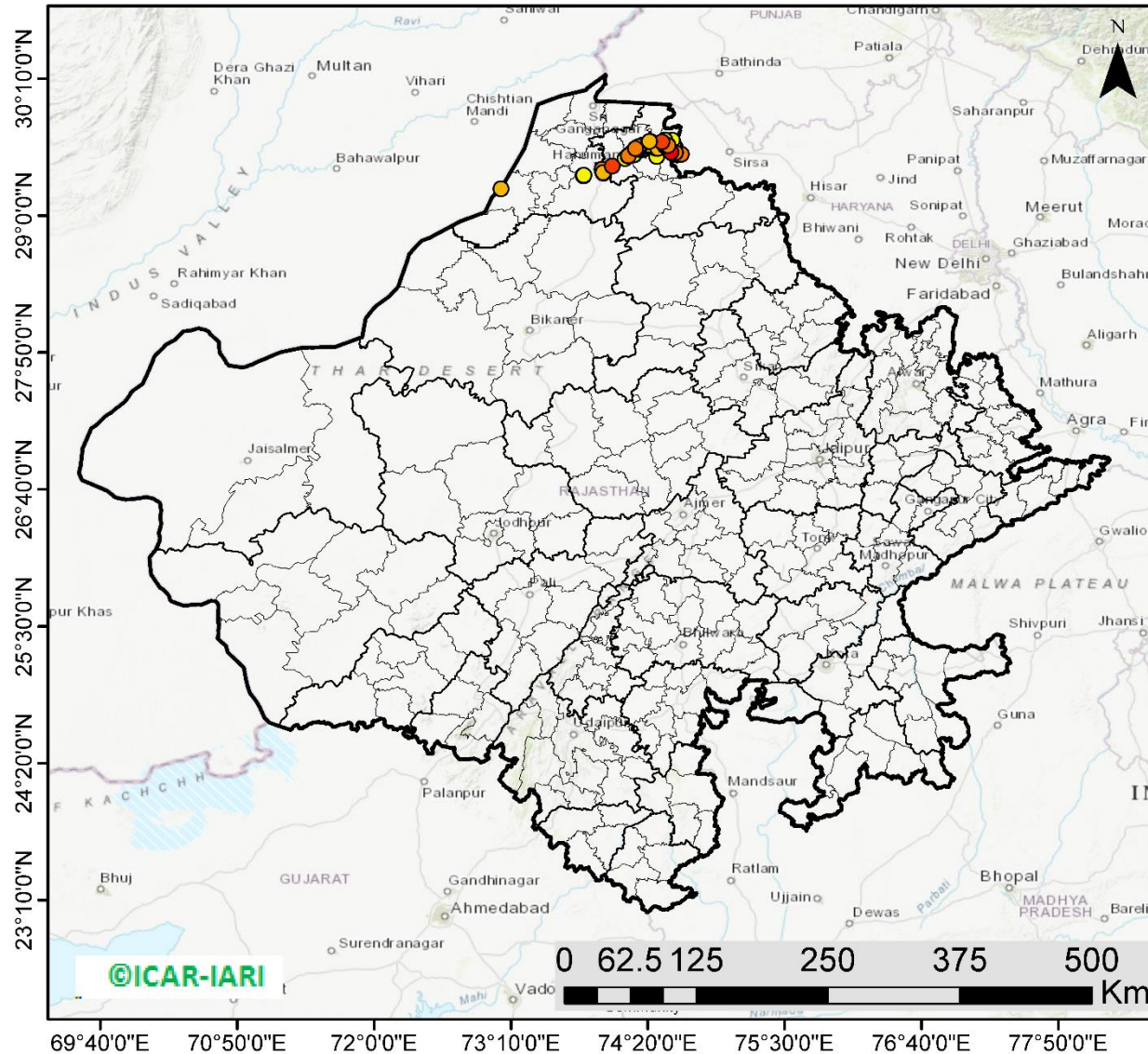
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Uttar Pradesh (15 Sep - 18 Nov-2021)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



77 burning events detected in Rajasthan on **18th November 2021**

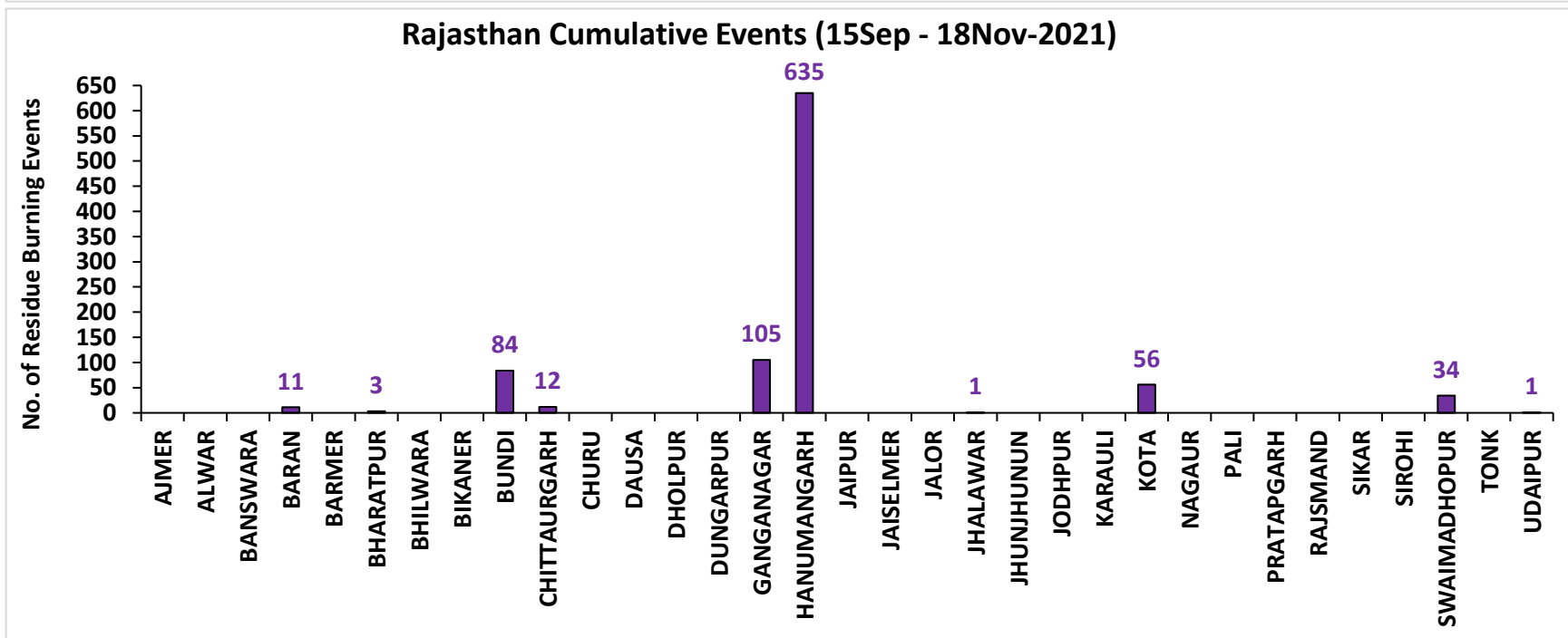
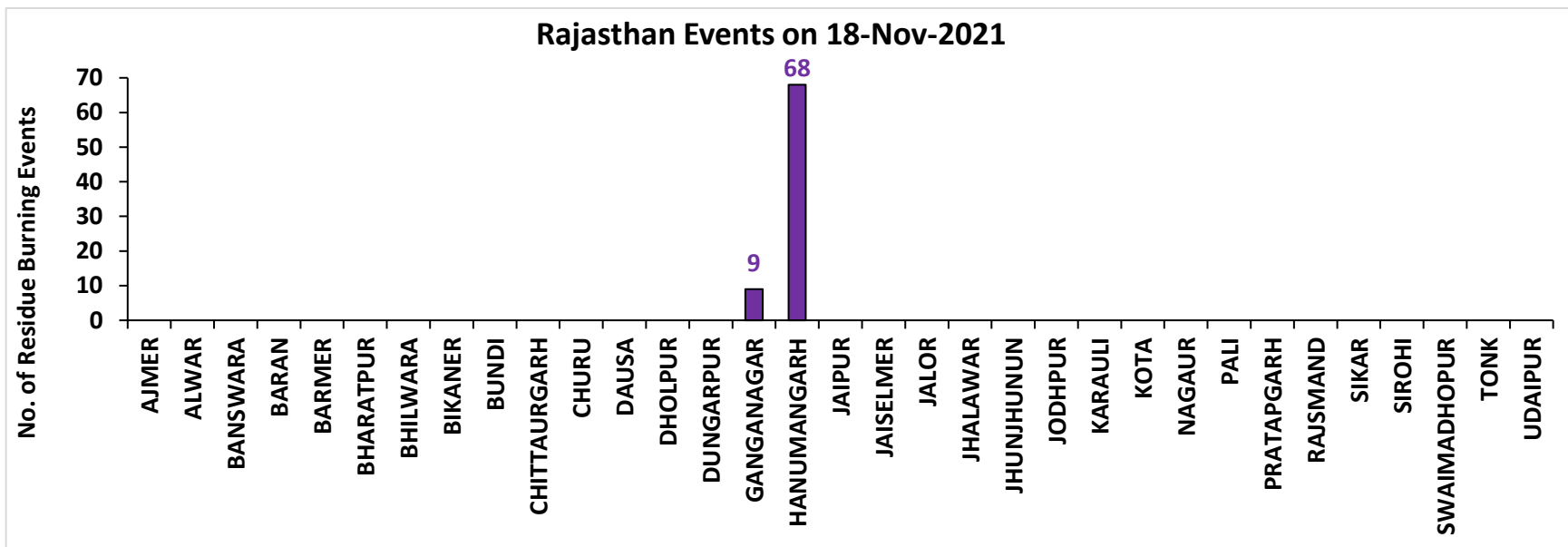
Fire Intensity (W/m²)

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



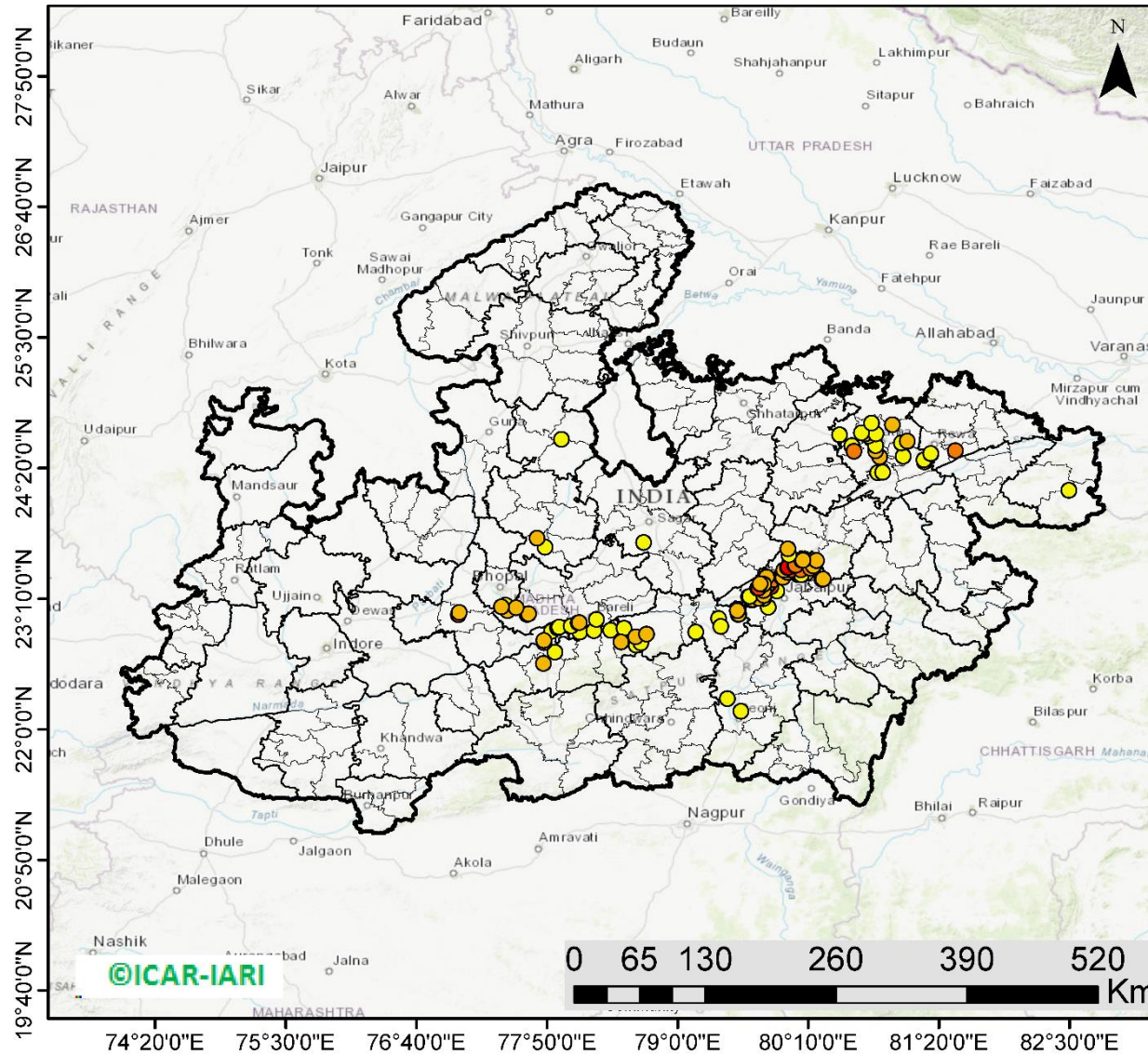
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Rajasthan (15 Sep - 18 Nov-2021)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



126 burning events detected in MP on 18th November 2021

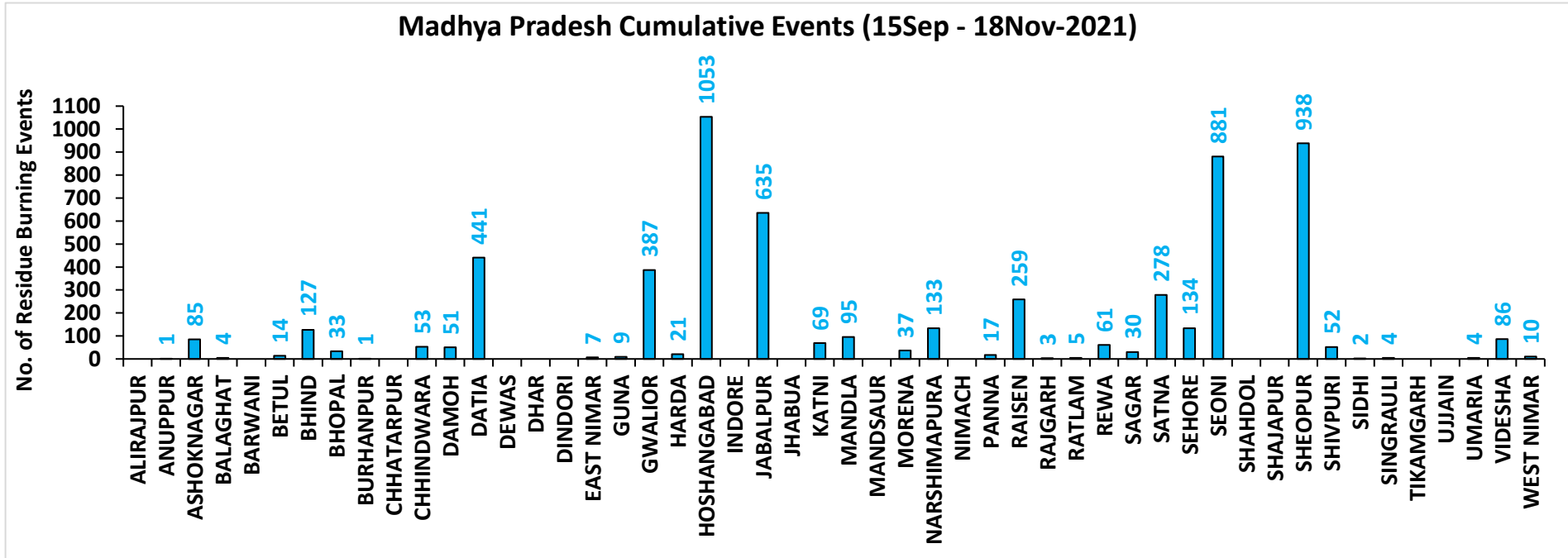
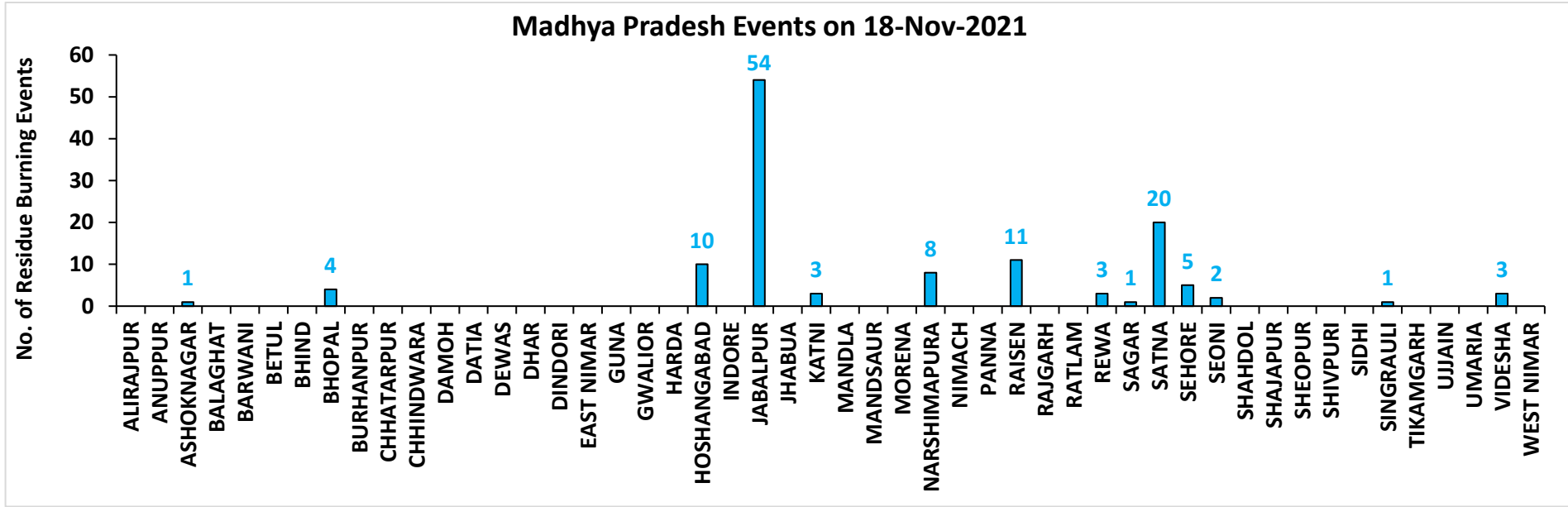
Fire Intensity (W/m2)

- 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 Madhya Pradesh (15 Sep - 18 Nov-2021)



District-wise cumulative number of residues burning events detected in 2020 and 2021
(Period: 15 September - 18 November)

(a) Punjab

District	15 Sep – 18 Nov	
	2020	2021
AMRITSAR	3050	2151
BARNALA	5231	4304
BATHINDA	5084	4419
FARIDKOT	4638	3913
FATEHGARH SAHIB	1530	1685
FAZILKA	2125	2199
FIROZPUR	8346	6181
GURDASPUR	2119	1388
HOSHIARPUR	386	326
JALANDHAR	1929	2514
KAPURTHALA	1879	1787
LUDHIANA	4981	5758
MANSA	3687	3093
MOGA	7255	6463
MUKTSAR	4639	4380
PATHANKOT	13	5
PATIALA	6391	5335
RUPNAGAR	205	305
SANGRUR	11679	9314
SAS NAGAR (MOHALI)	127	147
SBS NAGAR	131	349
TARN TARAN	5591	4109
Total	81016	70125

(b) Haryana

District	15 Sep – 18 Nov	
	2020	2021
AMBALA	345	299
BHIWANI	4	8
CHARKHI DADRI	0	0
FARIDABAD	1	3
FATEHABAD	738	1332
GURGAON	0	0
HISAR	49	145
JHAJJAR	6	5
JIND	333	780
KAITHAL	821	1135
KARNAL	578	937
KURUKSHETRA	405	535
MAHENDRAGARH	0	0
MEWAT	0	0
PALWAL	46	113
PANCHKULA	0	0
PANIPAT	45	200
REWARI	0	0
ROHTAK	43	36
SIRSA	150	373
SONIPAT	66	160
YAMUNANAGAR	140	144
Total	3770	6205

(c) Uttar Pradesh

District	15 Sep – 18 Nov							
	2020	2021	GAUTAMBUDHNAGAR	13	19	MUZAFARNAGAR	34	15
AGRA	7	0	GAZIPUR	5	10	PILHIBHIT	13	205
ALIGARH	112	38	GHAZIABAD	20	11	PRATAPGARH	29	19
ALLAHABAD	25	11	GONDA	11	8	RAIBEARELI	14	35
AMBEDKARNAGAR	14	11	GORAKHPUR	25	19	RAMPUR	148	183
AMETHI	3	13	HAMIRPUR	3	0	SAMBHAL	16	14
AMROHA	7	6	HAPUR	21	7	SANTKABIRNAGAR	23	14
AURAIYA	74	49	HARDOI	91	90	SANTRAVIDASNAGAR	4	1
AZAMGARH	28	3	HATHRAS	0	0	SHAHJAHANPUR	115	393
BADAUN	13	16	JALAUN	37	0	SHAMLI	42	31
BAGHPAT	12	8	JAUNPUR	26	12	SHARANPUR	92	62
BAHRAICH	103	50	JHANSI	232	69	SHRAWASTI	43	33
BALLIA	51	12	KANNAUJ	31	6	SIDDHARTHANAGAR	50	101
BALRAMPUR	60	17	KANPUR	27	30	SITAPUR	51	44
BANDA	19	5	KANPUR DEHAT	69	37	SONBHADRA	0	0
BARABANKI	33	56	KASGANJ	2	2	SULTANPUR	2	14
BAREILLY	66	55	KAUSHAMBI	48	62	UNNAO	40	23
BASTI	50	42	KHERI	125	150	VARANASI	1	2
BIJNOR	31	30	KUSHINAGAR	44	12	Total	3005	2777
BULANDSAHAR	50	5	LALITPUR	3	6			
CHANDAULI	1	0	LUCKNOW	35	32			
CHITRAKOOT	12	8	MAHARAJGANJ	29	74			
DEORIA	57	9	MAHOBA	27	0			
ETAH	17	10	MAINPURI	59	43			
ETAWAH	65	54	MATHURA	159	236			
FAIZABAD	8	4	MAU	15	8			
FARRUKHABAD	4	3	MEERUT	51	17			
FATEHPUR	104	79	MIRZAPUR	7	7			
FIROZABAD	26	17	MORADABAD	21	10			

(d) Delhi

District	15 Sep – 18 Nov	
	2020	2021
CENTRAL	0	0
EAST	0	0
NEW DELHI	0	0
NORTH	3	3
NORTH EAST	0	0
NORTH WEST DELHI	3	1
SHAHADRA	0	0
SOUTH	1	0
SOUTH EAST	0	0
SOUTH WEST DELHI	0	0
WEST DELHI	2	0
Total	9	4

(e) Rajasthan

District	15 Sep – 18 Nov	
	2020	2021
AJMER	3	0
ALWAR	9	0
BANSWARA	0	0
BARAN	166	11
BARMER	4	0
BHARATPUR	2	3
BHILWARA	10	0
BIKANER	1	0
BUNDI	128	84
CHITTAURGARH	1	12
CHURU	0	0
DAUSA	1	0
DHOLPUR	0	0
DUNGARPUR	0	0
GANGANAGAR	150	105
HANUMANGARH	724	635
JAIPUR	4	0
JAISELMER	5	0
JALOR	2	0
JHALAWAR	8	1
JHUNJHUNUN	1	0
JODHPUR	4	0
KARALI	1	0
KOTA	116	56
NAGPUR	3	0
PALI	8	0
PRATAPGARH	8	0
RAJSMAND	1	0
SIKAR	0	0
SIROHI	2	0
SWAIMADHOPUR	65	34
TONK	5	0
UDAIPUR	1	1
Total	1433	942

(f) Madhya Pradesh

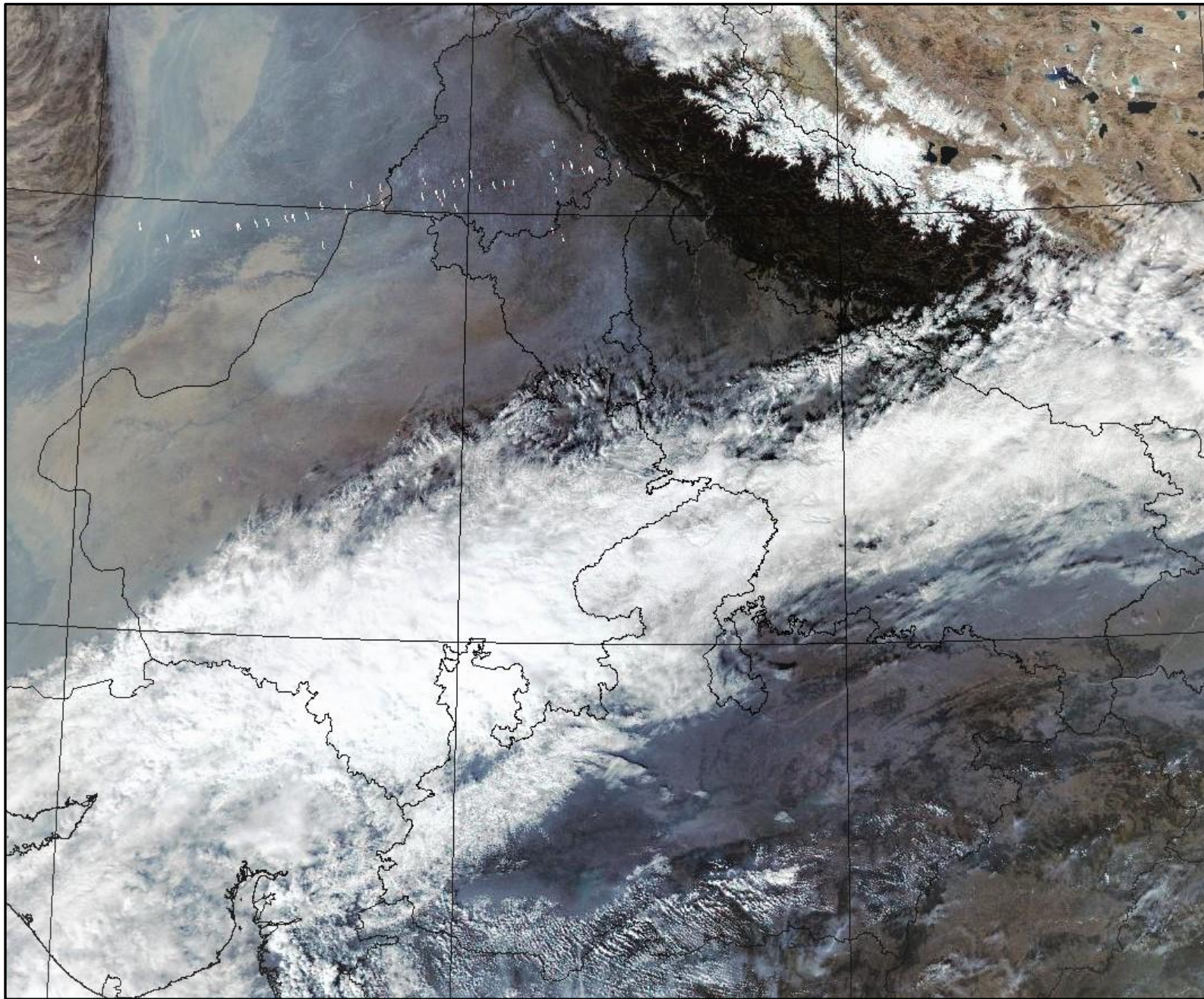
District	15 Sep – 18 Nov				
	2020	2021			
			PANNA	49	17
ALIRAJPUR	0	0	RAISEN	575	259
ANUPPUR	0	1	RAJGARH	10	3
ASHOKNAGAR	152	85	RATLAM	3	5
BALAGHAT	5	4	REWA	124	61
BARWANI	3	0	SAGAR	28	30
BETUL	36	14	SATNA	543	278
BHIND	251	127	SEHORE	148	134
BHOPAL	49	33	SEONI	1228	881
BURHANPUR	13	1	SHAHDOL	3	0
CHHATARPUR	7	0	SHAJAPUR	17	0
CHHINDWARA	127	53	SHEOPUR	1792	938
DAMOH	73	51	SHIVPURI	330	52
DATIA	1178	441	SIDHI	4	2
DEWAS	8	0	SINGRAULI	0	4
DHAR	43	0	TIKAMGARH	4	0
DINDORI	0	0	UJJAIN	10	0
EAST NIMAR	22	7	UMARIA	7	4
GUNA	67	9	VIDESHA	133	86
GWALIOR	1942	387	WEST NIMAR	61	10
HARDA	14	21	Total	12831	6020
HOSHANGABAD	1054	1053			
INDORE	4	0			
JABALPUR	1949	635			
JHABUA	0	0			
KATNI	282	69			
MANDLA	141	95			
MANDSAUR	12	0			
MORENA	62	37			
NARSHIMAPURA	266	133			
NIMACH	2	0			

State-wise and date-wise number of paddy residue burning events detected in 2020 and 2021
(Period: 15 September – 18 November)

Number of Paddy Residue Burning Events Detected												
	Punjab		Haryana		Uttar Pradesh		Delhi		Rajasthan		Madhya Pradesh	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
15-Sep	5	0	2	0	1	0	0	0	1	0	2	0
16-Sep	0	2	1	0	0	0	0	0	0	0	0	0
17-Sep	5	0	3	0	0	0	0	0	0	0	0	0
18-Sep	17	9	0	0	0	1	0	0	0	0	0	0
19-Sep	30	5	2	0	0	1	0	0	0	0	0	0
20-Sep	67	8	6	0	2	0	0	0	0	0	0	0
21-Sep	54	0	2	0	1	0	0	0	1	0	2	0
22-Sep	34	0	1	0	1	0	0	0	0	0	0	0
23-Sep	49	0	0	0	1	0	0	0	1	0	0	0
24-Sep	78	5	0	0	1	1	0	0	0	0	0	0
25-Sep	184	11	11	0	5	0	0	0	1	0	0	0
26-Sep	190	19	5	0	8	0	0	0	1	0	2	0
27-Sep	78	37	8	0	4	1	0	0	0	0	1	0
28-Sep	55	28	6	1	1	6	0	0	0	0	1	1
29-Sep	63	64	9	4	6	10	0	0	3	0	0	4
30-Sep	116	27	22	2	13	13	1	0	1	0	5	0
01-Oct	165	13	15	4	7	13	0	0	4	1	13	0
02-Oct	141	0	30	2	12	0	1	0	7	0	12	0
03-Oct	110	9	8	6	4	3	0	0	9	0	5	1
04-Oct	162	23	29	2	8	0	0	0	15	0	4	2
05-Oct	161	18	17	3	14	2	0	0	14	0	13	1
06-Oct	171	42	30	0	12	1	1	0	16	0	37	1
07-Oct	197	72	32	11	41	13	0	0	14	1	31	1
08-Oct	95	108	29	27	25	11	0	0	11	0	17	2
09-Oct	121	114	20	39	15	20	0	0	12	0	15	4
10-Oct	232	150	33	95	9	54	0	0	14	1	18	10
11-Oct	377	64	90	51	23	28	0	0	21	7	32	2
12-Oct	388	97	69	51	46	23	0	0	24	1	44	1
13-Oct	266	132	47	91	36	42	0	0	7	5	21	2
14-Oct	605	229	69	98	9	68	0	0	16	1	15	11

15-Oct	449	660	106	363	15	149	0	0	9	8	8	27
16-Oct	654	429	80	176	21	121	1	0	12	2	23	13
17-Oct	1172	14	143	0	38	39	0	0	26	0	63	1
18-Oct	938	57	166	1	76	0	0	0	37	2	88	0
19-Oct	1080	496	72	55	43	5	0	0	27	5	49	1
20-Oct	890	788	62	155	31	1	0	0	26	4	9	21
21-Oct	1392	597	101	131	25	5	2	0	32	2	112	30
22-Oct	1665	1111	128	140	32	3	0	0	29	5	183	29
23-Oct	1438	620	106	218	84	8	1	0	23	7	204	32
24-Oct	911	0	57	38	63	11	0	0	20	4	150	34
25-Oct	1416	76	155	71	50	18	1	0	18	2	144	60
26-Oct	2126	329	77	175	33	41	0	0	34	3	178	55
27-Oct	2563	279	96	93	40	58	0	0	42	1	294	62
28-Oct	3232	906	139	149	87	35	0	0	45	4	537	110
29-Oct	1624	1353	52	161	139	32	0	0	29	23	349	97
30-Oct	3946	1373	100	148	50	53	0	0	17	20	428	168
31-Oct	3531	2895	108	353	49	170	0	0	37	15	455	299
01-Nov	3835	1796	151	124	74	157	0	0	51	5	709	198
02-Nov	4098	3001	111	203	82	87	0	0	55	19	820	214
03-Nov	2818	2512	93	197	197	66	1	0	34	20	771	148
04-Nov	4584	3032	72	228	152	123	0	0	46	19	618	123
05-Nov	4529	5327	66	331	52	70	0	0	46	45	474	320
06-Nov	5382	3942	151	219	43	208	0	0	40	32	678	248
07-Nov	5491	5199	150	182	86	46	0	0	57	38	848	199
08-Nov	3674	4397	115	138	169	21	0	0	33	44	981	170
09-Nov	1718	5079	21	217	115	51	0	1	34	48	495	330
10-Nov	3127	4008	80	184	101	77	0	0	48	40	346	380
11-Nov	2822	4156	93	126	71	151	0	1	75	55	418	506
12-Nov	1989	3403	83	127	108	120	0	0	31	40	422	185
13-Nov	2441	3742	105	210	172	95	0	2	54	78	670	171
14-Nov	307	2541	35	195	258	49	0	0	16	88	294	346
15-Nov	32	1761	31	129	29	67	0	0	6	51	35	353
16-Nov	8	1757	0	269	15	138	0	0	16	81	145	660
17-Nov	248	523	9	101	38	177	0	0	60	38	191	261
18-Nov	670	680	60	111	62	14	0	0	75	77	352	126
Total	81016	70125	3770	6205	3005	2777	9	4	1433	942	12831	6020

[AQUA \(MODIS\) Satellite image \(TCC\) of North and Central India Acquired on 18-Nov-2021 at 13:29:00 IST by IARI Ground Station](#)



Details of residue burning events in Punjab on 18-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	CHOGAWAN	S-NPP	31.75840	74.56650	11/18/2021	14:26:47	D	15.10
2	BARNALA	BARNALA	S-NPP	30.24190	75.55130	11/18/2021	12:46:30	D	1.90
3	BARNALA	BARNALA	S-NPP	30.23110	75.42500	11/18/2021	14:26:47	D	17.60
4	BARNALA	BARNALA	S-NPP	30.23150	75.43170	11/18/2021	14:26:47	D	24.50
5	BARNALA	BARNALA	S-NPP	30.23380	75.42300	11/18/2021	14:26:47	D	14.70
6	BARNALA	BARNALA	S-NPP	30.23410	75.42980	11/18/2021	14:26:47	D	14.70
7	BARNALA	BARNALA	S-NPP	30.25740	75.68520	11/18/2021	14:26:47	D	32.80
8	BARNALA	BARNALA	S-NPP	30.25770	75.69220	11/18/2021	14:26:47	D	29.60
9	BARNALA	BARNALA	S-NPP	30.25850	75.68350	11/18/2021	14:26:47	D	22.50
10	BARNALA	BARNALA	S-NPP	30.25880	75.69050	11/18/2021	14:26:47	D	22.50
11	BARNALA	BARNALA	AQUA	30.18000	75.49600	11/18/2021	13:32:31	D	40.60
12	BARNALA	BARNALA	AQUA	30.28900	75.59300	11/18/2021	13:32:31	D	15.80
13	BARNALA	BARNALA	AQUA	30.29100	75.60400	11/18/2021	13:32:31	D	11.70
14	BARNALA	SEHNA	AQUA	30.31500	75.36100	11/18/2021	13:32:31	D	8.10
15	BARNALA	SEHNA	AQUA	30.52100	75.31600	11/18/2021	13:32:31	D	5.20
16	BARNALA	SEHNA	AQUA	30.52300	75.32700	11/18/2021	13:32:31	D	8.40
17	BATHINDA	BATHINDA	S-NPP	30.09130	74.96570	11/18/2021	14:26:47	D	5.50
18	BATHINDA	BATHINDA	S-NPP	30.19260	74.81010	11/18/2021	14:26:47	D	6.60
19	BATHINDA	BATHINDA	S-NPP	30.19270	74.80620	11/18/2021	14:26:47	D	5.40
20	BATHINDA	BATHINDA	AQUA	30.12500	75.09400	11/18/2021	13:32:31	D	11.20
21	BATHINDA	BATHINDA	AQUA	30.13000	75.06900	11/18/2021	13:32:31	D	6.70
22	BATHINDA	BHAGTA BHAI KA	S-NPP	30.47080	75.18650	11/18/2021	12:46:30	D	3.00
23	BATHINDA	BHAGTA BHAI KA	S-NPP	30.49270	75.08800	11/18/2021	12:46:30	D	4.80
24	BATHINDA	BHAGTA BHAI KA	S-NPP	30.54020	75.16400	11/18/2021	12:46:30	D	1.50
25	BATHINDA	GONIANA MANDI	S-NPP	30.34300	75.01980	11/18/2021	12:46:30	D	1.40
26	BATHINDA	GONIANA MANDI	S-NPP	30.34840	75.01810	11/18/2021	12:46:30	D	4.70
27	BATHINDA	GONIANA MANDI	S-NPP	30.35890	75.03690	11/18/2021	12:46:30	D	2.00
28	BATHINDA	GONIANA MANDI	S-NPP	30.36500	74.99050	11/18/2021	12:46:30	D	4.70
29	BATHINDA	GONIANA MANDI	S-NPP	30.30960	74.96020	11/18/2021	14:26:47	D	4.30

30	BATHINDA	GONIANA MANDI	S-NPP	30.31140	74.96020	11/18/2021	14:26:47	D	6.20
31	BATHINDA	GONIANA MANDI	S-NPP	30.35770	74.86900	11/18/2021	14:26:47	D	6.30
32	BATHINDA	GONIANA MANDI	S-NPP	30.35800	74.87530	11/18/2021	14:26:47	D	8.70
33	BATHINDA	GONIANA MANDI	AQUA	30.35500	75.03700	11/18/2021	13:32:31	D	5.50
34	BATHINDA	MAUR	S-NPP	29.96960	75.22460	11/18/2021	12:46:30	D	3.80
35	BATHINDA	MAUR	S-NPP	30.06930	75.32300	11/18/2021	12:46:30	D	3.00
36	BATHINDA	MAUR	S-NPP	30.07340	75.08020	11/18/2021	12:46:30	D	2.70
37	BATHINDA	MAUR	S-NPP	30.03870	75.23870	11/18/2021	14:26:47	D	5.30
38	BATHINDA	MAUR	S-NPP	30.11430	75.21820	11/18/2021	14:26:47	D	4.80
39	BATHINDA	MAUR	S-NPP	30.11510	75.23780	11/18/2021	14:26:47	D	7.90
40	BATHINDA	MAUR	S-NPP	30.11880	75.24100	11/18/2021	14:26:47	D	7.10
41	BATHINDA	MAUR	AQUA	30.04800	75.12900	11/18/2021	13:32:31	D	21.30
42	BATHINDA	NATHANA	S-NPP	30.21150	75.14600	11/18/2021	12:46:30	D	2.80
43	BATHINDA	NATHANA	S-NPP	30.21200	75.14630	11/18/2021	12:46:30	D	2.80
44	BATHINDA	NATHANA	S-NPP	30.22020	75.13450	11/18/2021	12:46:30	D	2.80
45	BATHINDA	NATHANA	S-NPP	30.25250	75.12410	11/18/2021	12:46:30	D	31.00
46	BATHINDA	NATHANA	AQUA	30.27300	74.98900	11/18/2021	13:32:31	D	8.00
47	BATHINDA	NATHANA	AQUA	30.35600	75.13900	11/18/2021	13:32:31	D	8.80
48	BATHINDA	NATHANA	AQUA	30.35800	75.15100	11/18/2021	13:32:31	D	9.30
49	BATHINDA	NATHANA	AQUA	30.40600	75.11000	11/18/2021	13:32:31	D	12.30
50	BATHINDA	PHUL	AQUA	30.42600	75.23600	11/18/2021	13:32:31	D	11.50
51	BATHINDA	RAMPURA	S-NPP	30.20950	75.32520	11/18/2021	12:46:30	D	2.00
52	BATHINDA	RAMPURA	S-NPP	30.14420	75.34550	11/18/2021	14:26:47	D	11.00
53	BATHINDA	RAMPURA	AQUA	30.25800	75.34400	11/18/2021	13:32:31	D	6.10
54	BATHINDA	SANGAT	S-NPP	30.08720	74.76670	11/18/2021	14:26:47	D	26.50
55	BATHINDA	SANGAT	S-NPP	30.12020	74.92270	11/18/2021	14:26:47	D	21.10
56	BATHINDA	SANGAT	S-NPP	30.12170	74.92000	11/18/2021	14:26:47	D	17.00
57	BATHINDA	SANGAT	AQUA	30.08000	74.76100	11/18/2021	13:32:31	D	15.50
58	BATHINDA	SANGAT	AQUA	30.08200	74.77300	11/18/2021	13:32:31	D	9.90
59	BATHINDA	TALWANDI SABO	S-NPP	29.94440	75.12190	11/18/2021	12:46:30	D	5.90
60	BATHINDA	TALWANDI SABO	S-NPP	29.98900	75.12620	11/18/2021	14:26:47	D	4.20
61	BATHINDA	TALWANDI SABO	AQUA	30.00600	74.99300	11/18/2021	13:32:31	D	19.80
62	BATHINDA	TALWANDI SABO	AQUA	30.00700	75.05400	11/18/2021	13:32:31	D	65.30

63	BATHINDA	TALWANDI SABO	AQUA	30.01600	74.99100	11/18/2021	13:32:31	D	9.20
64	FARIDKOT	FARIDKOT	S-NPP	30.64200	74.64430	11/18/2021	12:46:30	D	3.20
65	FARIDKOT	FARIDKOT	S-NPP	30.64310	74.64850	11/18/2021	12:46:30	D	4.10
66	FARIDKOT	FARIDKOT	S-NPP	30.64480	74.64720	11/18/2021	12:46:30	D	9.90
67	FARIDKOT	FARIDKOT	S-NPP	30.64850	74.64670	11/18/2021	12:46:30	D	3.60
68	FARIDKOT	FARIDKOT	S-NPP	30.68570	74.62990	11/18/2021	12:46:30	D	5.20
69	FARIDKOT	FARIDKOT	S-NPP	30.60590	74.64500	11/18/2021	14:26:47	D	12.60
70	FARIDKOT	FARIDKOT	S-NPP	30.60630	74.65110	11/18/2021	14:26:47	D	12.60
71	FARIDKOT	FARIDKOT	S-NPP	30.60670	74.64920	11/18/2021	14:26:47	D	22.80
72	FARIDKOT	FARIDKOT	S-NPP	30.63490	74.69680	11/18/2021	14:26:47	D	10.60
73	FARIDKOT	FARIDKOT	S-NPP	30.66510	74.65190	11/18/2021	14:26:47	D	4.70
74	FARIDKOT	FARIDKOT	S-NPP	30.71820	74.67360	11/18/2021	14:26:47	D	3.30
75	FARIDKOT	FARIDKOT	AQUA	30.81300	74.65900	11/18/2021	13:32:31	D	8.60
76	FARIDKOT	FARIDKOT	AQUA	30.82300	74.65700	11/18/2021	13:32:31	D	6.20
77	FARIDKOT	JAITON	S-NPP	30.42620	74.93690	11/18/2021	12:46:30	D	24.20
78	FARIDKOT	JAITON	S-NPP	30.46780	74.79670	11/18/2021	12:46:30	D	16.90
79	FARIDKOT	JAITON	S-NPP	30.46630	74.96260	11/18/2021	14:26:47	D	16.20
80	FARIDKOT	KOT KAPURA	S-NPP	30.67180	74.94610	11/18/2021	12:46:30	D	2.70
81	FARIDKOT	KOT KAPURA	S-NPP	30.50870	74.76510	11/18/2021	14:26:47	D	2.60
82	FARIDKOT	KOT KAPURA	AQUA	30.49600	74.77400	11/18/2021	13:32:31	D	7.60
83	FARIDKOT	KOT KAPURA	AQUA	30.63600	74.94400	11/18/2021	13:32:31	D	11.50
84	FATEHGARH SAHIB	AMLOH	S-NPP	30.55450	76.27990	11/18/2021	12:46:30	D	3.00
85	FATEHGARH SAHIB	AMLOH	S-NPP	30.62840	76.30750	11/18/2021	12:46:30	D	5.60
86	FATEHGARH SAHIB	AMLOH	S-NPP	30.57120	76.11690	11/18/2021	14:26:47	D	3.40
87	FATEHGARH SAHIB	AMLOH	AQUA	30.53600	76.10300	11/18/2021	13:32:31	D	13.20
88	FATEHGARH SAHIB	AMLOH	AQUA	30.56200	76.15300	11/18/2021	13:32:31	D	13.40
89	FATEHGARH SAHIB	AMLOH	AQUA	30.57100	76.15100	11/18/2021	13:32:31	D	21.40
90	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.71330	76.46320	11/18/2021	12:46:30	D	1.20

91	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.71820	76.46160	11/18/2021	12:46:30	D	3.20
92	FATEHGARH SAHIB	BASSI PATHANAN	AQUA	30.69500	76.48100	11/18/2021	13:32:31	D	5.60
93	FATEHGARH SAHIB	KHAMANON	AQUA	30.78700	76.29100	11/18/2021	13:32:31	D	10.70
94	FATEHGARH SAHIB	SIRHIND	S-NPP	30.48980	76.42660	11/18/2021	12:46:30	D	7.80
95	FATEHGARH SAHIB	SIRHIND	S-NPP	30.49480	76.42500	11/18/2021	12:46:30	D	7.80
96	FATEHGARH SAHIB	SIRHIND	S-NPP	30.50710	76.36260	11/18/2021	12:46:30	D	3.20
97	FATEHGARH SAHIB	SIRHIND	S-NPP	30.50970	76.35070	11/18/2021	12:46:30	D	2.20
98	FATEHGARH SAHIB	SIRHIND	S-NPP	30.51160	76.34860	11/18/2021	12:46:30	D	1.80
99	FATEHGARH SAHIB	SIRHIND	S-NPP	30.51290	76.36450	11/18/2021	12:46:30	D	3.20
100	FATEHGARH SAHIB	SIRHIND	S-NPP	30.51480	76.36230	11/18/2021	12:46:30	D	4.10
101	FATEHGARH SAHIB	SIRHIND	S-NPP	30.52270	76.45280	11/18/2021	12:46:30	D	2.70
102	FATEHGARH SAHIB	SIRHIND	S-NPP	30.50990	76.48390	11/18/2021	14:26:47	D	4.00
103	FATEHGARH SAHIB	SIRHIND	AQUA	30.49000	76.35000	11/18/2021	13:32:31	D	13.90
104	FATEHGARH SAHIB	SIRHIND	AQUA	30.51000	76.35700	11/18/2021	13:32:31	D	17.20
105	FAZILKA	ABOHAR	S-NPP	30.12060	74.25900	11/18/2021	12:46:30	D	25.10
106	FAZILKA	ABOHAR	S-NPP	30.12110	74.26000	11/18/2021	12:46:30	D	20.20
107	FAZILKA	ABOHAR	S-NPP	30.13630	74.13660	11/18/2021	14:26:47	D	2.80
108	FAZILKA	ABOHAR	S-NPP	30.14310	74.25540	11/18/2021	14:26:47	D	3.90
109	FAZILKA	ABOHAR	S-NPP	30.20150	74.22590	11/18/2021	14:26:47	D	4.80
110	FAZILKA	ABOHAR	AQUA	30.11700	74.24600	11/18/2021	13:32:31	D	16.40
111	FAZILKA	ABOHAR	AQUA	30.11800	74.25400	11/18/2021	13:32:31	D	22.50
112	FAZILKA	ABOHAR	AQUA	30.11900	74.25900	11/18/2021	13:32:31	D	23.10
113	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.31370	74.27380	11/18/2021	12:46:30	D	2.70

114	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.33520	74.30720	11/18/2021	12:46:30	D	3.40
115	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.30000	74.24750	11/18/2021	14:26:47	D	10.40
116	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.31360	74.26390	11/18/2021	14:26:47	D	6.60
117	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.32620	74.26310	11/18/2021	14:26:47	D	16.20
118	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.39100	74.17880	11/18/2021	14:26:47	D	9.10
119	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.39420	74.17630	11/18/2021	14:26:47	D	5.30
120	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.39960	74.15890	11/18/2021	14:26:47	D	7.60
121	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.45680	74.16670	11/18/2021	14:26:47	D	7.30
122	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.30400	74.25100	11/18/2021	13:32:31	D	15.70
123	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.36700	74.14400	11/18/2021	13:32:31	D	8.10
124	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.36900	74.15700	11/18/2021	13:32:31	D	6.10
125	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.44200	74.16000	11/18/2021	13:32:31	D	15.60
126	FAZILKA	FAZILKA	S-NPP	30.36370	74.08370	11/18/2021	12:46:30	D	1.60
127	FAZILKA	FAZILKA	S-NPP	30.36880	73.89380	11/18/2021	12:46:30	D	2.60
128	FAZILKA	FAZILKA	S-NPP	30.43380	74.12140	11/18/2021	12:46:30	D	2.80
129	FAZILKA	FAZILKA	S-NPP	30.34520	74.04050	11/18/2021	14:26:47	D	4.60
130	FAZILKA	FAZILKA	S-NPP	30.35260	73.98190	11/18/2021	14:26:47	D	6.90
131	FAZILKA	FAZILKA	S-NPP	30.35550	74.03760	11/18/2021	14:26:47	D	3.90
132	FAZILKA	FAZILKA	S-NPP	30.36150	73.91500	11/18/2021	14:26:47	D	5.30
133	FAZILKA	FAZILKA	S-NPP	30.38060	73.92470	11/18/2021	14:26:47	D	4.30
134	FAZILKA	FAZILKA	S-NPP	30.38100	74.11700	11/18/2021	14:26:47	D	3.00
135	FAZILKA	FAZILKA	S-NPP	30.38710	73.92980	11/18/2021	14:26:47	D	5.00
136	FAZILKA	FAZILKA	S-NPP	30.40100	74.06820	11/18/2021	14:26:47	D	10.40
137	FAZILKA	FAZILKA	S-NPP	30.42570	74.06100	11/18/2021	14:26:47	D	8.60
138	FAZILKA	FAZILKA	S-NPP	30.43530	74.00990	11/18/2021	14:26:47	D	5.00

139	FAZILKA	FAZILKA	S-NPP	30.44320	74.15040	11/18/2021	14:26:47	D	16.50
140	FAZILKA	FAZILKA	S-NPP	30.44540	74.01100	11/18/2021	14:26:47	D	4.30
141	FAZILKA	FAZILKA	S-NPP	30.44780	74.00910	11/18/2021	14:26:47	D	5.30
142	FAZILKA	FAZILKA	S-NPP	30.44920	74.14440	11/18/2021	14:26:47	D	32.40
143	FAZILKA	FAZILKA	S-NPP	30.45200	74.14040	11/18/2021	14:26:47	D	25.40
144	FAZILKA	FAZILKA	S-NPP	30.45260	74.15180	11/18/2021	14:26:47	D	18.00
145	FAZILKA	FAZILKA	S-NPP	30.45500	73.95460	11/18/2021	14:26:47	D	3.30
146	FAZILKA	FAZILKA	S-NPP	30.45700	73.95290	11/18/2021	14:26:47	D	3.60
147	FAZILKA	FAZILKA	S-NPP	30.45880	74.02690	11/18/2021	14:26:47	D	14.10
148	FAZILKA	FAZILKA	S-NPP	30.46560	74.03770	11/18/2021	14:26:47	D	18.00
149	FAZILKA	FAZILKA	S-NPP	30.48370	74.02530	11/18/2021	14:26:47	D	4.80
150	FAZILKA	FAZILKA	S-NPP	30.48760	73.98020	11/18/2021	14:26:47	D	6.70
151	FAZILKA	FAZILKA	S-NPP	30.50810	74.01240	11/18/2021	14:26:47	D	4.60
152	FAZILKA	FAZILKA	S-NPP	30.50840	74.01800	11/18/2021	14:26:47	D	6.50
153	FAZILKA	FAZILKA	AQUA	30.35600	73.89800	11/18/2021	13:32:31	D	47.00
154	FAZILKA	FAZILKA	AQUA	30.36400	74.00400	11/18/2021	13:32:31	D	50.80
155	FAZILKA	FAZILKA	AQUA	30.42400	73.99100	11/18/2021	13:32:31	D	15.50
156	FAZILKA	FAZILKA	AQUA	30.42500	74.05800	11/18/2021	13:32:31	D	6.90
157	FAZILKA	FAZILKA	AQUA	30.44200	74.04000	11/18/2021	13:32:31	D	26.20
158	FAZILKA	FAZILKA	AQUA	30.47600	74.12000	11/18/2021	13:32:31	D	8.50
159	FAZILKA	JALALABAD	S-NPP	30.52200	74.37190	11/18/2021	12:46:30	D	3.70
160	FAZILKA	JALALABAD	S-NPP	30.52410	74.33250	11/18/2021	12:46:30	D	3.30
161	FAZILKA	JALALABAD	S-NPP	30.52750	74.34590	11/18/2021	12:46:30	D	3.40
162	FAZILKA	JALALABAD	S-NPP	30.54200	74.33130	11/18/2021	12:46:30	D	10.80
163	FAZILKA	JALALABAD	S-NPP	30.54310	74.33580	11/18/2021	12:46:30	D	10.80
164	FAZILKA	JALALABAD	S-NPP	30.56970	74.19640	11/18/2021	12:46:30	D	2.20
165	FAZILKA	JALALABAD	S-NPP	30.58920	74.24870	11/18/2021	12:46:30	D	6.90
166	FAZILKA	JALALABAD	S-NPP	30.46480	74.31030	11/18/2021	14:26:47	D	3.70
167	FAZILKA	JALALABAD	S-NPP	30.48090	74.25720	11/18/2021	14:26:47	D	11.90
168	FAZILKA	JALALABAD	S-NPP	30.48520	74.22230	11/18/2021	14:26:47	D	6.90
169	FAZILKA	JALALABAD	S-NPP	30.48550	74.22800	11/18/2021	14:26:47	D	6.90
170	FAZILKA	JALALABAD	S-NPP	30.49340	74.33410	11/18/2021	14:26:47	D	4.20
171	FAZILKA	JALALABAD	S-NPP	30.51760	74.30930	11/18/2021	14:26:47	D	9.50

172	FAZILKA	JALALABAD	S-NPP	30.52000	74.35600	11/18/2021	14:26:47	D	6.60
173	FAZILKA	JALALABAD	S-NPP	30.52030	74.36180	11/18/2021	14:26:47	D	6.20
174	FAZILKA	JALALABAD	S-NPP	30.52950	74.17540	11/18/2021	14:26:47	D	31.60
175	FAZILKA	JALALABAD	S-NPP	30.52980	74.18110	11/18/2021	14:26:47	D	31.60
176	FAZILKA	JALALABAD	S-NPP	30.53010	74.18690	11/18/2021	14:26:47	D	20.60
177	FAZILKA	JALALABAD	S-NPP	30.55370	74.08620	11/18/2021	14:26:47	D	19.20
178	FAZILKA	JALALABAD	S-NPP	30.56200	74.30660	11/18/2021	14:26:47	D	10.70
179	FAZILKA	JALALABAD	S-NPP	30.56440	74.30430	11/18/2021	14:26:47	D	10.00
180	FAZILKA	JALALABAD	S-NPP	30.57050	74.29800	11/18/2021	14:26:47	D	4.80
181	FAZILKA	JALALABAD	S-NPP	30.58310	74.16980	11/18/2021	14:26:47	D	1.80
182	FAZILKA	JALALABAD	S-NPP	30.59480	74.21160	11/18/2021	14:26:47	D	24.10
183	FAZILKA	JALALABAD	S-NPP	30.61130	74.22570	11/18/2021	14:26:47	D	5.50
184	FAZILKA	JALALABAD	S-NPP	30.61790	74.23100	11/18/2021	14:26:47	D	26.70
185	FAZILKA	JALALABAD	S-NPP	30.61820	74.23680	11/18/2021	14:26:47	D	26.70
186	FAZILKA	JALALABAD	AQUA	30.43900	74.20000	11/18/2021	13:32:31	D	7.70
187	FAZILKA	JALALABAD	AQUA	30.45900	74.26100	11/18/2021	13:32:31	D	11.20
188	FAZILKA	JALALABAD	AQUA	30.46200	74.27400	11/18/2021	13:32:31	D	10.00
189	FAZILKA	JALALABAD	AQUA	30.48700	74.18400	11/18/2021	13:32:31	D	13.20
190	FAZILKA	JALALABAD	AQUA	30.49300	74.15600	11/18/2021	13:32:31	D	10.10
191	FAZILKA	JALALABAD	AQUA	30.50200	74.32400	11/18/2021	13:32:31	D	14.70
192	FAZILKA	JALALABAD	AQUA	30.52600	74.29200	11/18/2021	13:32:31	D	18.50
193	FAZILKA	JALALABAD	AQUA	30.52900	74.30500	11/18/2021	13:32:31	D	16.30
194	FAZILKA	JALALABAD	AQUA	30.53300	74.33000	11/18/2021	13:32:31	D	24.10
195	FAZILKA	JALALABAD	AQUA	30.55500	74.22100	11/18/2021	13:32:31	D	6.30
196	FAZILKA	JALALABAD	AQUA	30.58300	74.19400	11/18/2021	13:32:31	D	6.20
197	FAZILKA	JALALABAD	AQUA	30.62100	74.23800	11/18/2021	13:32:31	D	8.10
198	FAZILKA	KHUIAN SARWAR	S-NPP	30.25270	74.01980	11/18/2021	14:26:47	D	3.20
199	FIROZPUR	GHALL KHURD	S-NPP	30.78470	74.83810	11/18/2021	12:46:30	D	2.60
200	FIROZPUR	GHALL KHURD	S-NPP	30.81150	74.90250	11/18/2021	12:46:30	D	8.50
201	FIROZPUR	GHALL KHURD	S-NPP	30.81170	74.90050	11/18/2021	12:46:30	D	8.80
202	FIROZPUR	GHALL KHURD	S-NPP	30.86190	74.89490	11/18/2021	12:46:30	D	4.20
203	FIROZPUR	GHALL KHURD	S-NPP	30.91360	74.77570	11/18/2021	12:46:30	D	2.00
204	FIROZPUR	GHALL KHURD	S-NPP	30.91390	74.77520	11/18/2021	12:46:30	D	1.80

205	FIROZPUR	GHALL KHURD	S-NPP	30.82500	74.87880	11/18/2021	14:26:47	D	7.00
206	FIROZPUR	GHALL KHURD	S-NPP	30.82600	74.88060	11/18/2021	14:26:47	D	11.10
207	FIROZPUR	GHALL KHURD	S-NPP	30.85540	74.68820	11/18/2021	14:26:47	D	9.30
208	FIROZPUR	GHALL KHURD	S-NPP	30.87760	74.74320	11/18/2021	14:26:47	D	35.00
209	FIROZPUR	GHALL KHURD	S-NPP	30.87790	74.74940	11/18/2021	14:26:47	D	35.00
210	FIROZPUR	GHALL KHURD	AQUA	30.84000	74.70300	11/18/2021	13:32:31	D	6.60
211	FIROZPUR	GHALL KHURD	AQUA	30.84500	74.70700	11/18/2021	13:32:31	D	7.80
212	FIROZPUR	GURUHAR SAHAI	S-NPP	30.57320	74.33540	11/18/2021	12:46:30	D	7.40
213	FIROZPUR	GURUHAR SAHAI	S-NPP	30.57400	74.33150	11/18/2021	12:46:30	D	3.70
214	FIROZPUR	GURUHAR SAHAI	S-NPP	30.62740	74.30400	11/18/2021	12:46:30	D	6.40
215	FIROZPUR	GURUHAR SAHAI	S-NPP	30.63990	74.40080	11/18/2021	12:46:30	D	5.40
216	FIROZPUR	GURUHAR SAHAI	S-NPP	30.65580	74.29260	11/18/2021	12:46:30	D	2.10
217	FIROZPUR	GURUHAR SAHAI	S-NPP	30.66400	74.20890	11/18/2021	12:46:30	D	2.50
218	FIROZPUR	GURUHAR SAHAI	S-NPP	30.66410	74.20710	11/18/2021	12:46:30	D	3.40
219	FIROZPUR	GURUHAR SAHAI	S-NPP	30.56990	74.33530	11/18/2021	14:26:47	D	4.20
220	FIROZPUR	GURUHAR SAHAI	S-NPP	30.57250	74.33900	11/18/2021	14:26:47	D	4.30
221	FIROZPUR	GURUHAR SAHAI	S-NPP	30.58260	74.33460	11/18/2021	14:26:47	D	4.50
222	FIROZPUR	GURUHAR SAHAI	S-NPP	30.58490	74.33230	11/18/2021	14:26:47	D	3.70
223	FIROZPUR	GURUHAR SAHAI	S-NPP	30.58720	74.37930	11/18/2021	14:26:47	D	5.40
224	FIROZPUR	GURUHAR SAHAI	S-NPP	30.60270	74.35100	11/18/2021	14:26:47	D	9.50
225	FIROZPUR	GURUHAR SAHAI	S-NPP	30.60490	74.34870	11/18/2021	14:26:47	D	11.10
226	FIROZPUR	GURUHAR SAHAI	S-NPP	30.61150	74.35420	11/18/2021	14:26:47	D	11.10
227	FIROZPUR	GURUHAR SAHAI	S-NPP	30.61180	74.36010	11/18/2021	14:26:47	D	12.20
228	FIROZPUR	GURUHAR SAHAI	S-NPP	30.61790	74.35380	11/18/2021	14:26:47	D	26.90
229	FIROZPUR	GURUHAR SAHAI	S-NPP	30.61820	74.35970	11/18/2021	14:26:47	D	22.50
230	FIROZPUR	GURUHAR SAHAI	S-NPP	30.62210	74.31240	11/18/2021	14:26:47	D	7.20
231	FIROZPUR	GURUHAR SAHAI	S-NPP	30.62240	74.31820	11/18/2021	14:26:47	D	7.20
232	FIROZPUR	GURUHAR SAHAI	S-NPP	30.62360	74.46630	11/18/2021	14:26:47	D	5.90
233	FIROZPUR	GURUHAR SAHAI	S-NPP	30.62510	74.24800	11/18/2021	14:26:47	D	6.10
234	FIROZPUR	GURUHAR SAHAI	S-NPP	30.62820	74.30610	11/18/2021	14:26:47	D	5.30
235	FIROZPUR	GURUHAR SAHAI	S-NPP	30.62880	74.31780	11/18/2021	14:26:47	D	6.90
236	FIROZPUR	GURUHAR SAHAI	S-NPP	30.64890	74.21750	11/18/2021	14:26:47	D	5.20
237	FIROZPUR	GURUHAR SAHAI	S-NPP	30.65220	74.39900	11/18/2021	14:26:47	D	11.80

238	FIROZPUR	GURUHAR SAHAI	S-NPP	30.65390	74.31040	11/18/2021	14:26:47	D	4.50
239	FIROZPUR	GURUHAR SAHAI	S-NPP	30.66050	74.31590	11/18/2021	14:26:47	D	4.50
240	FIROZPUR	GURUHAR SAHAI	S-NPP	30.66370	74.25720	11/18/2021	14:26:47	D	7.10
241	FIROZPUR	GURUHAR SAHAI	S-NPP	30.66740	74.44570	11/18/2021	14:26:47	D	7.50
242	FIROZPUR	GURUHAR SAHAI	S-NPP	30.67220	74.25600	11/18/2021	14:26:47	D	28.60
243	FIROZPUR	GURUHAR SAHAI	S-NPP	30.67640	74.25650	11/18/2021	14:26:47	D	27.70
244	FIROZPUR	GURUHAR SAHAI	S-NPP	30.67860	74.25560	11/18/2021	14:26:47	D	7.30
245	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68180	74.35580	11/18/2021	14:26:47	D	8.20
246	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68340	74.35510	11/18/2021	14:26:47	D	5.80
247	FIROZPUR	GURUHAR SAHAI	S-NPP	30.70290	74.39010	11/18/2021	14:26:47	D	10.10
248	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76320	74.41550	11/18/2021	14:26:47	D	9.80
249	FIROZPUR	GURUHAR SAHAI	AQUA	30.57400	74.33300	11/18/2021	13:32:31	D	52.40
250	FIROZPUR	GURUHAR SAHAI	AQUA	30.58200	74.38300	11/18/2021	13:32:31	D	41.50
251	FIROZPUR	GURUHAR SAHAI	AQUA	30.59500	74.34100	11/18/2021	13:32:31	D	7.70
252	FIROZPUR	GURUHAR SAHAI	AQUA	30.61200	74.30500	11/18/2021	13:32:31	D	12.10
253	FIROZPUR	GURUHAR SAHAI	AQUA	30.65400	74.25600	11/18/2021	13:32:31	D	8.30
254	FIROZPUR	GURUHAR SAHAI	AQUA	30.65600	74.26900	11/18/2021	13:32:31	D	5.80
255	FIROZPUR	GURUHAR SAHAI	AQUA	30.70800	74.32900	11/18/2021	13:32:31	D	32.60
256	FIROZPUR	GURUHAR SAHAI	AQUA	30.71000	74.34100	11/18/2021	13:32:31	D	13.60
257	FIROZPUR	GURUHAR SAHAI	AQUA	30.71800	74.32700	11/18/2021	13:32:31	D	16.80
258	FIROZPUR	GURUHAR SAHAI	AQUA	30.72500	74.31200	11/18/2021	13:32:31	D	15.80
259	FIROZPUR	GURUHAR SAHAI	AQUA	30.77400	74.30100	11/18/2021	13:32:31	D	16.00
260	FIROZPUR	GURUHAR SAHAI	AQUA	30.77500	74.29400	11/18/2021	13:32:31	D	7.60
261	FIROZPUR	GURUHAR SAHAI	AQUA	30.77700	74.30600	11/18/2021	13:32:31	D	16.80
262	FIROZPUR	MAKHU	AQUA	31.07800	75.02600	11/18/2021	13:32:31	D	6.80
263	FIROZPUR	MAMDOT	S-NPP	30.76290	74.40960	11/18/2021	14:26:47	D	8.30
264	FIROZPUR	MAMDOT	S-NPP	30.85780	74.47370	11/18/2021	14:26:47	D	23.10
265	FIROZPUR	MAMDOT	S-NPP	30.89150	74.38180	11/18/2021	14:26:47	D	5.30
266	FIROZPUR	MAMDOT	AQUA	30.77800	74.50400	11/18/2021	13:32:31	D	15.50
267	FIROZPUR	MAMDOT	AQUA	30.78000	74.51700	11/18/2021	13:32:31	D	15.70
268	FIROZPUR	ZIRA	S-NPP	30.90520	74.92910	11/18/2021	12:46:30	D	4.00
269	FIROZPUR	ZIRA	S-NPP	30.94210	74.89050	11/18/2021	12:46:30	D	3.90
270	FIROZPUR	ZIRA	S-NPP	30.94260	74.89070	11/18/2021	12:46:30	D	5.00

271	FIROZPUR	ZIRA	S-NPP	30.98580	74.92480	11/18/2021	12:46:30	D	2.80
272	FIROZPUR	ZIRA	S-NPP	30.92740	74.85060	11/18/2021	14:26:47	D	12.20
273	FIROZPUR	ZIRA	S-NPP	30.92760	74.85690	11/18/2021	14:26:47	D	14.30
274	FIROZPUR	ZIRA	S-NPP	30.94820	74.97520	11/18/2021	14:26:47	D	7.90
275	FIROZPUR	ZIRA	S-NPP	30.94860	74.98160	11/18/2021	14:26:47	D	12.00
276	FIROZPUR	ZIRA	S-NPP	31.02330	74.97240	11/18/2021	14:26:47	D	21.70
277	FIROZPUR	ZIRA	S-NPP	31.02500	74.96760	11/18/2021	14:26:47	D	11.40
278	FIROZPUR	ZIRA	S-NPP	31.02540	74.97410	11/18/2021	14:26:47	D	11.40
279	FIROZPUR	ZIRA	AQUA	30.96100	74.84700	11/18/2021	13:32:31	D	16.00
280	GURDASPUR	DERA BABA NANAK	S-NPP	32.05760	74.95080	11/18/2021	12:46:30	D	2.40
281	GURDASPUR	DERA BABA NANAK	S-NPP	32.06110	74.94920	11/18/2021	12:46:30	D	3.20
282	JALANDHAR	JALANDHAR EAST	S-NPP	31.26970	75.65360	11/18/2021	14:26:47	D	6.80
283	JALANDHAR	JALANDHAR EAST	AQUA	31.26100	75.65300	11/18/2021	13:32:31	D	9.40
284	JALANDHAR	NAKODAR	AQUA	31.15800	75.59100	11/18/2021	13:32:31	D	8.20
285	JALANDHAR	NAKODAR	AQUA	31.17400	75.52400	11/18/2021	13:32:31	D	6.10
286	JALANDHAR	NUR MAHAL	S-NPP	31.05460	75.61040	11/18/2021	14:26:47	D	6.50
287	JALANDHAR	NUR MAHAL	S-NPP	31.05560	75.60920	11/18/2021	14:26:47	D	8.00
288	JALANDHAR	NUR MAHAL	AQUA	30.99900	75.64200	11/18/2021	13:32:31	D	5.90
289	JALANDHAR	NUR MAHAL	AQUA	31.07200	75.62700	11/18/2021	13:32:31	D	6.10
290	JALANDHAR	PHILLAUR	AQUA	31.15200	75.85200	11/18/2021	13:32:31	D	11.60
291	JALANDHAR	RURKA KALAN	AQUA	31.14700	75.76300	11/18/2021	13:32:31	D	19.40
292	KAPURTHALA	DHILWAN	S-NPP	31.48780	75.29870	11/18/2021	14:26:47	D	6.00
293	KAPURTHALA	PHAGWARA	AQUA	31.34700	75.79800	11/18/2021	13:32:31	D	4.50
294	LUDHIANA	DEHLON	S-NPP	30.73140	75.88910	11/18/2021	12:46:30	D	1.70
295	LUDHIANA	DEHLON	AQUA	30.73300	75.88200	11/18/2021	13:32:31	D	5.90
296	LUDHIANA	DEHLON	AQUA	30.74700	75.80600	11/18/2021	13:32:31	D	6.60
297	LUDHIANA	DEHLON	AQUA	30.74800	75.81700	11/18/2021	13:32:31	D	5.10
298	LUDHIANA	DORAHA	S-NPP	30.71770	76.04050	11/18/2021	12:46:30	D	3.80
299	LUDHIANA	DORAHA	AQUA	30.70800	76.02100	11/18/2021	13:32:31	D	8.40
300	LUDHIANA	DORAHA	AQUA	30.70900	76.03200	11/18/2021	13:32:31	D	9.60
301	LUDHIANA	DORAHA	AQUA	30.73700	75.97100	11/18/2021	13:32:31	D	8.00
302	LUDHIANA	DORAHA	AQUA	30.78800	76.06500	11/18/2021	13:32:31	D	9.60
303	LUDHIANA	JAGRAON	S-NPP	30.68940	75.37090	11/18/2021	12:46:30	D	17.50

304	LUDHIANA	JAGRAON	S-NPP	30.80550	75.58340	11/18/2021	12:46:30	D	4.00
305	LUDHIANA	JAGRAON	S-NPP	30.80640	75.51820	11/18/2021	12:46:30	D	3.80
306	LUDHIANA	JAGRAON	AQUA	30.74800	75.39400	11/18/2021	13:32:31	D	19.60
307	LUDHIANA	JAGRAON	AQUA	30.74900	75.40500	11/18/2021	13:32:31	D	6.90
308	LUDHIANA	JAGRAON	AQUA	30.79200	75.44700	11/18/2021	13:32:31	D	9.20
309	LUDHIANA	KHANNA	S-NPP	30.59610	76.10450	11/18/2021	12:46:30	D	4.60
310	LUDHIANA	KHANNA	S-NPP	30.59700	76.10800	11/18/2021	12:46:30	D	8.30
311	LUDHIANA	KHANNA	S-NPP	30.62990	76.08630	11/18/2021	12:46:30	D	2.90
312	LUDHIANA	KHANNA	S-NPP	30.63080	76.08990	11/18/2021	12:46:30	D	3.70
313	LUDHIANA	KHANNA	AQUA	30.78900	76.07600	11/18/2021	13:32:31	D	5.00
314	LUDHIANA	LUDHIANA-1	S-NPP	30.84610	76.07110	11/18/2021	12:46:30	D	4.50
315	LUDHIANA	LUDHIANA-1	S-NPP	30.84690	76.07460	11/18/2021	12:46:30	D	8.70
316	LUDHIANA	LUDHIANA-1	AQUA	30.85000	75.75500	11/18/2021	13:32:31	D	9.90
317	LUDHIANA	LUDHIANA-1	AQUA	30.85200	75.76500	11/18/2021	13:32:31	D	6.10
318	LUDHIANA	LUDHIANA-2	S-NPP	30.97410	75.83020	11/18/2021	14:26:47	D	4.20
319	LUDHIANA	MACHHIWARA	S-NPP	30.92210	76.30280	11/18/2021	12:46:30	D	5.90
320	LUDHIANA	MACHHIWARA	AQUA	30.94200	76.28000	11/18/2021	13:32:31	D	5.50
321	LUDHIANA	MALOUD	S-NPP	30.61810	75.94420	11/18/2021	12:46:30	D	6.60
322	LUDHIANA	RAIKOT	S-NPP	30.67010	75.66780	11/18/2021	14:26:47	D	9.40
323	LUDHIANA	RAIKOT	AQUA	30.67800	75.65600	11/18/2021	13:32:31	D	6.10
324	LUDHIANA	RAIKOT	AQUA	30.68000	75.66700	11/18/2021	13:32:31	D	10.30
325	LUDHIANA	SIDHWAN BET	S-NPP	30.81530	75.39200	11/18/2021	12:46:30	D	11.10
326	LUDHIANA	SIDHWAN BET	S-NPP	30.93620	75.52880	11/18/2021	12:46:30	D	3.40
327	LUDHIANA	SIDHWAN BET	S-NPP	30.91650	75.43800	11/18/2021	14:26:47	D	12.20
328	LUDHIANA	SIDHWAN BET	S-NPP	30.96830	75.38750	11/18/2021	14:26:47	D	11.80
329	LUDHIANA	SIDHWAN BET	S-NPP	30.97010	75.57520	11/18/2021	14:26:47	D	3.70
330	LUDHIANA	SIDHWAN BET	S-NPP	30.97020	75.38410	11/18/2021	14:26:47	D	13.70
331	LUDHIANA	SIDHWAN BET	AQUA	30.81200	75.39600	11/18/2021	13:32:31	D	6.50
332	LUDHIANA	SIDHWAN BET	AQUA	30.81400	75.40800	11/18/2021	13:32:31	D	5.00
333	LUDHIANA	SIDHWAN BET	AQUA	30.83600	75.48400	11/18/2021	13:32:31	D	7.50
334	LUDHIANA	SIDHWAN BET	AQUA	30.84800	75.37700	11/18/2021	13:32:31	D	7.00
335	LUDHIANA	SIDHWAN BET	AQUA	30.84900	75.38800	11/18/2021	13:32:31	D	29.30
336	LUDHIANA	SIDHWAN BET	AQUA	30.89200	75.59800	11/18/2021	13:32:31	D	12.30

337	LUDHIANA	SIDHWAN BET	AQUA	30.89900	75.60200	11/18/2021	13:32:31	D	11.60
338	LUDHIANA	SUDHAR	S-NPP	30.77990	75.70070	11/18/2021	12:46:30	D	2.80
339	MANSA	BHIKHI	S-NPP	30.09330	75.54400	11/18/2021	14:26:47	D	8.20
340	MANSA	BHIKHI	AQUA	29.97400	75.48300	11/18/2021	13:32:31	D	11.40
341	MANSA	BHIKHI	AQUA	30.05300	75.55900	11/18/2021	13:32:31	D	32.50
342	MANSA	BUDHLADA	S-NPP	29.79260	75.58840	11/18/2021	12:46:30	D	4.10
343	MANSA	BUDHLADA	S-NPP	29.79360	75.59240	11/18/2021	12:46:30	D	4.10
344	MANSA	BUDHLADA	S-NPP	29.80580	75.43110	11/18/2021	12:46:30	D	2.70
345	MANSA	BUDHLADA	S-NPP	29.80620	75.55040	11/18/2021	12:46:30	D	6.50
346	MANSA	BUDHLADA	S-NPP	29.83760	75.74910	11/18/2021	12:46:30	D	14.60
347	MANSA	BUDHLADA	S-NPP	29.84340	75.53870	11/18/2021	12:46:30	D	4.10
348	MANSA	BUDHLADA	S-NPP	29.84640	75.62190	11/18/2021	12:46:30	D	4.50
349	MANSA	BUDHLADA	S-NPP	29.84740	75.62580	11/18/2021	12:46:30	D	4.50
350	MANSA	BUDHLADA	S-NPP	30.00550	75.66270	11/18/2021	12:46:30	D	9.20
351	MANSA	BUDHLADA	S-NPP	29.80060	75.44520	11/18/2021	14:26:47	D	3.30
352	MANSA	BUDHLADA	S-NPP	29.81830	75.69670	11/18/2021	14:26:47	D	4.00
353	MANSA	BUDHLADA	S-NPP	29.82510	75.69630	11/18/2021	14:26:47	D	3.80
354	MANSA	BUDHLADA	S-NPP	29.83130	75.72520	11/18/2021	14:26:47	D	9.60
355	MANSA	BUDHLADA	S-NPP	29.83830	75.59360	11/18/2021	14:26:47	D	5.80
356	MANSA	BUDHLADA	S-NPP	29.83870	75.60050	11/18/2021	14:26:47	D	5.80
357	MANSA	BUDHLADA	S-NPP	29.84860	75.66190	11/18/2021	14:26:47	D	4.80
358	MANSA	BUDHLADA	S-NPP	29.85070	75.66030	11/18/2021	14:26:47	D	4.20
359	MANSA	BUDHLADA	S-NPP	29.85380	75.76600	11/18/2021	14:26:47	D	12.10
360	MANSA	BUDHLADA	S-NPP	29.85530	75.76460	11/18/2021	14:26:47	D	13.50
361	MANSA	BUDHLADA	S-NPP	29.90040	75.56160	11/18/2021	14:26:47	D	4.20
362	MANSA	BUDHLADA	S-NPP	29.93150	75.50560	11/18/2021	14:26:47	D	4.20
363	MANSA	BUDHLADA	S-NPP	29.93820	75.50530	11/18/2021	14:26:47	D	8.40
364	MANSA	BUDHLADA	S-NPP	29.94930	75.55270	11/18/2021	14:26:47	D	13.30
365	MANSA	BUDHLADA	S-NPP	29.98750	75.64700	11/18/2021	14:26:47	D	15.60
366	MANSA	BUDHLADA	AQUA	29.75200	75.58300	11/18/2021	13:32:31	D	9.80
367	MANSA	BUDHLADA	AQUA	29.78100	75.43200	11/18/2021	13:32:31	D	20.00
368	MANSA	BUDHLADA	AQUA	29.81500	75.58700	11/18/2021	13:32:31	D	15.90
369	MANSA	BUDHLADA	AQUA	29.84700	75.54600	11/18/2021	13:32:31	D	7.90

370	MANSA	BUDHLADA	AQUA	29.85300	75.76300	11/18/2021	13:32:31	D	17.80
371	MANSA	JHUNIR	S-NPP	29.77300	75.36800	11/18/2021	12:46:30	D	4.60
372	MANSA	JHUNIR	S-NPP	29.96420	75.22630	11/18/2021	12:46:30	D	4.90
373	MANSA	JHUNIR	AQUA	29.77900	75.36100	11/18/2021	13:32:31	D	22.50
374	MANSA	JHUNIR	AQUA	29.94400	75.24200	11/18/2021	13:32:31	D	6.30
375	MANSA	MANSA	S-NPP	30.00180	75.33200	11/18/2021	12:46:30	D	2.30
376	MANSA	MANSA	S-NPP	30.03630	75.35560	11/18/2021	12:46:30	D	2.00
377	MANSA	MANSA	S-NPP	30.03680	75.28610	11/18/2021	12:46:30	D	1.30
378	MANSA	MANSA	S-NPP	30.03690	75.28570	11/18/2021	12:46:30	D	1.90
379	MANSA	MANSA	S-NPP	30.04560	75.32240	11/18/2021	12:46:30	D	4.60
380	MANSA	MANSA	S-NPP	30.04590	75.32180	11/18/2021	12:46:30	D	4.20
381	MANSA	MANSA	S-NPP	30.04650	75.32640	11/18/2021	12:46:30	D	4.60
382	MANSA	MANSA	S-NPP	30.04690	75.32580	11/18/2021	12:46:30	D	4.20
383	MANSA	MANSA	S-NPP	29.93010	75.42500	11/18/2021	14:26:47	D	6.10
384	MANSA	MANSA	S-NPP	29.93410	75.42460	11/18/2021	14:26:47	D	4.70
385	MANSA	MANSA	S-NPP	30.00290	75.33300	11/18/2021	14:26:47	D	8.20
386	MANSA	MANSA	S-NPP	30.00810	75.29960	11/18/2021	14:26:47	D	3.30
387	MANSA	MANSA	S-NPP	30.01790	75.43390	11/18/2021	14:26:47	D	5.90
388	MANSA	MANSA	S-NPP	30.02070	75.43240	11/18/2021	14:26:47	D	7.20
389	MANSA	MANSA	AQUA	29.95600	75.31100	11/18/2021	13:32:31	D	5.00
390	MANSA	MANSA	AQUA	29.99600	75.44300	11/18/2021	13:32:31	D	4.80
391	MANSA	MANSA	AQUA	29.99900	75.27800	11/18/2021	13:32:31	D	7.70
392	MANSA	MANSA	AQUA	30.00800	75.33500	11/18/2021	13:32:31	D	7.20
393	MANSA	SARDULGARH	S-NPP	29.56870	75.26540	11/18/2021	12:46:30	D	2.30
394	MANSA	SARDULGARH	S-NPP	29.57330	75.30830	11/18/2021	12:46:30	D	3.10
395	MANSA	SARDULGARH	S-NPP	29.58320	75.30070	11/18/2021	12:46:30	D	3.10
396	MANSA	SARDULGARH	S-NPP	29.71790	75.33270	11/18/2021	12:46:30	D	9.10
397	MANSA	SARDULGARH	S-NPP	29.71800	75.33300	11/18/2021	12:46:30	D	8.60
398	MANSA	SARDULGARH	S-NPP	29.71880	75.33680	11/18/2021	12:46:30	D	9.80
399	MANSA	SARDULGARH	S-NPP	29.74230	75.38600	11/18/2021	12:46:30	D	4.40
400	MANSA	SARDULGARH	S-NPP	29.74280	75.38620	11/18/2021	12:46:30	D	5.90
401	MANSA	SARDULGARH	S-NPP	29.65950	75.17540	11/18/2021	14:26:47	D	8.80
402	MANSA	SARDULGARH	S-NPP	29.68570	75.29710	11/18/2021	14:26:47	D	14.20

403	MANSA	SARDULGARH	S-NPP	29.73280	75.36370	11/18/2021	14:26:47	D	5.80
404	MANSA	SARDULGARH	S-NPP	29.79090	75.22780	11/18/2021	14:26:47	D	10.00
405	MANSA	SARDULGARH	S-NPP	29.81920	75.26530	11/18/2021	14:26:47	D	6.30
406	MANSA	SARDULGARH	AQUA	29.64500	75.32000	11/18/2021	13:32:31	D	70.00
407	MANSA	SARDULGARH	AQUA	29.72800	75.37800	11/18/2021	13:32:31	D	8.20
408	MANSA	SARDULGARH	AQUA	29.77700	75.35000	11/18/2021	13:32:31	D	42.00
409	MOGA	BAGHA PURANA	S-NPP	30.57050	75.11970	11/18/2021	12:46:30	D	4.30
410	MOGA	BAGHA PURANA	S-NPP	30.60910	75.04170	11/18/2021	12:46:30	D	2.80
411	MOGA	BAGHA PURANA	S-NPP	30.68860	74.96710	11/18/2021	12:46:30	D	3.70
412	MOGA	BAGHA PURANA	S-NPP	30.69400	74.96530	11/18/2021	12:46:30	D	3.70
413	MOGA	BAGHA PURANA	S-NPP	30.65720	75.03090	11/18/2021	14:26:47	D	3.10
414	MOGA	BAGHA PURANA	S-NPP	30.69370	74.96450	11/18/2021	14:26:47	D	2.70
415	MOGA	BAGHA PURANA	S-NPP	30.69750	75.04170	11/18/2021	14:26:47	D	12.70
416	MOGA	BAGHA PURANA	S-NPP	30.69830	74.96440	11/18/2021	14:26:47	D	12.70
417	MOGA	BAGHA PURANA	S-NPP	30.70030	74.96410	11/18/2021	14:26:47	D	7.40
418	MOGA	BAGHA PURANA	S-NPP	30.71120	74.91870	11/18/2021	14:26:47	D	4.20
419	MOGA	BAGHA PURANA	S-NPP	30.71600	74.91840	11/18/2021	14:26:47	D	3.80
420	MOGA	BAGHA PURANA	AQUA	30.69400	74.94300	11/18/2021	13:32:31	D	15.60
421	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.99250	75.12130	11/18/2021	12:46:30	D	3.30
422	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.99430	75.12080	11/18/2021	12:46:30	D	3.00
423	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.87330	75.37820	11/18/2021	14:26:47	D	6.00
424	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.05500	75.17690	11/18/2021	14:26:47	D	8.50
425	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.05880	75.18170	11/18/2021	14:26:47	D	5.40
426	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.90600	75.28900	11/18/2021	13:32:31	D	7.90
427	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.92600	75.35400	11/18/2021	13:32:31	D	11.90
428	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.94700	75.08400	11/18/2021	13:32:31	D	10.40
429	MOGA	MOGA-1	S-NPP	30.76710	75.24000	11/18/2021	12:46:30	D	2.30
430	MOGA	MOGA-1	S-NPP	30.80970	75.25150	11/18/2021	12:46:30	D	1.90

431	MOGA	MOGA-1	S-NPP	30.71780	75.33230	11/18/2021	14:26:47	D	8.40
432	MOGA	MOGA-1	S-NPP	30.72030	75.33270	11/18/2021	14:26:47	D	7.70
433	MOGA	MOGA-1	AQUA	30.70900	75.27400	11/18/2021	13:32:31	D	14.70
434	MOGA	MOGA-1	AQUA	30.71600	75.31900	11/18/2021	13:32:31	D	6.60
435	MOGA	MOGA-1	AQUA	30.71800	75.33000	11/18/2021	13:32:31	D	18.90
436	MOGA	MOGA-1	AQUA	30.78700	75.17900	11/18/2021	13:32:31	D	18.20
437	MOGA	MOGA-1	AQUA	30.78900	75.19100	11/18/2021	13:32:31	D	6.80
438	MOGA	MOGA-1	AQUA	30.82800	75.25300	11/18/2021	13:32:31	D	14.80
439	MOGA	MOGA-2	S-NPP	30.81430	75.00530	11/18/2021	12:46:30	D	1.50
440	MOGA	MOGA-2	S-NPP	30.81740	74.94730	11/18/2021	12:46:30	D	3.50
441	MOGA	MOGA-2	S-NPP	30.85720	75.08420	11/18/2021	12:46:30	D	1.20
442	MOGA	MOGA-2	S-NPP	30.78990	75.08920	11/18/2021	14:26:47	D	4.20
443	MOGA	MOGA-2	S-NPP	30.79020	75.09580	11/18/2021	14:26:47	D	4.20
444	MOGA	MOGA-2	AQUA	30.78700	75.00100	11/18/2021	13:32:31	D	12.60
445	MOGA	MOGA-2	AQUA	30.85600	75.15900	11/18/2021	13:32:31	D	8.30
446	MOGA	MOGA-2	AQUA	30.87100	75.07200	11/18/2021	13:32:31	D	17.70
447	MOGA	MOGA-2	AQUA	30.87300	75.08400	11/18/2021	13:32:31	D	49.70
448	MOGA	NIHAL SINGH	AQUA	30.57500	75.30900	11/18/2021	13:32:31	D	9.60
449	MOGA	NIHAL SINGH	AQUA	30.70000	75.33500	11/18/2021	13:32:31	D	6.80
450	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.24240	74.61750	11/18/2021	12:46:30	D	4.00
451	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.31110	74.59770	11/18/2021	12:46:30	D	6.00
452	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.25560	74.64070	11/18/2021	14:26:47	D	6.80
453	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.32620	74.63000	11/18/2021	14:26:47	D	5.60
454	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.35760	74.73830	11/18/2021	14:26:47	D	10.00
455	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.36010	74.78770	11/18/2021	14:26:47	D	3.40
456	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.41910	74.67340	11/18/2021	14:26:47	D	6.80
457	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.41940	74.67950	11/18/2021	14:26:47	D	6.80

458	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.41970	74.67760	11/18/2021	14:26:47	D	12.30
459	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.22700	74.65400	11/18/2021	13:32:31	D	6.30
460	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.24000	74.61300	11/18/2021	13:32:31	D	10.30
461	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.29300	74.67000	11/18/2021	13:32:31	D	7.10
462	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.35100	74.65700	11/18/2021	13:32:31	D	14.90
463	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.36600	74.55900	11/18/2021	13:32:31	D	11.10
464	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.41600	74.67400	11/18/2021	13:32:31	D	66.70
465	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.42500	74.67200	11/18/2021	13:32:31	D	9.00
466	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.43500	74.67000	11/18/2021	13:32:31	D	5.40
467	MUKTSAR	LAMBI	S-NPP	29.92930	74.57060	11/18/2021	12:46:30	D	5.30
468	MUKTSAR	LAMBI	S-NPP	29.98400	74.58690	11/18/2021	12:46:30	D	6.10
469	MUKTSAR	LAMBI	S-NPP	29.98720	74.58530	11/18/2021	12:46:30	D	12.00
470	MUKTSAR	LAMBI	S-NPP	29.98950	74.58510	11/18/2021	12:46:30	D	6.10
471	MUKTSAR	LAMBI	S-NPP	29.99960	74.57710	11/18/2021	12:46:30	D	6.10
472	MUKTSAR	LAMBI	S-NPP	30.04300	74.60590	11/18/2021	12:46:30	D	10.50
473	MUKTSAR	LAMBI	S-NPP	30.04410	74.58650	11/18/2021	12:46:30	D	4.60
474	MUKTSAR	LAMBI	S-NPP	30.06720	74.67870	11/18/2021	12:46:30	D	2.40
475	MUKTSAR	LAMBI	S-NPP	30.07540	74.49000	11/18/2021	12:46:30	D	3.90
476	MUKTSAR	LAMBI	S-NPP	30.07550	74.49430	11/18/2021	12:46:30	D	4.10
477	MUKTSAR	LAMBI	S-NPP	30.07650	74.49440	11/18/2021	12:46:30	D	3.90
478	MUKTSAR	LAMBI	S-NPP	29.92830	74.59060	11/18/2021	14:26:47	D	7.90
479	MUKTSAR	LAMBI	S-NPP	29.98080	74.46090	11/18/2021	14:26:47	D	3.90
480	MUKTSAR	LAMBI	S-NPP	30.00750	74.48280	11/18/2021	14:26:47	D	3.90
481	MUKTSAR	LAMBI	S-NPP	30.02850	74.51690	11/18/2021	14:26:47	D	12.90
482	MUKTSAR	LAMBI	S-NPP	30.04930	74.54530	11/18/2021	14:26:47	D	5.40
483	MUKTSAR	LAMBI	S-NPP	30.06820	74.53820	11/18/2021	14:26:47	D	3.90
484	MUKTSAR	LAMBI	AQUA	29.94800	74.64600	11/18/2021	13:32:31	D	13.30

485	MUKTSAR	LAMBI	AQUA	29.99800	74.51400	11/18/2021	13:32:31	D	8.90
486	MUKTSAR	LAMBI	AQUA	30.00200	74.53900	11/18/2021	13:32:31	D	21.10
487	MUKTSAR	LAMBI	AQUA	30.07600	74.42500	11/18/2021	13:32:31	D	57.60
488	MUKTSAR	LAMBI	AQUA	30.07800	74.43800	11/18/2021	13:32:31	D	11.30
489	MUKTSAR	LAMBI	AQUA	30.11700	74.60800	11/18/2021	13:32:31	D	29.40
490	MUKTSAR	MALOUT	S-NPP	30.35210	74.37850	11/18/2021	12:46:30	D	9.30
491	MUKTSAR	MALOUT	S-NPP	30.35370	74.37900	11/18/2021	12:46:30	D	13.00
492	MUKTSAR	MALOUT	S-NPP	30.37100	74.45430	11/18/2021	12:46:30	D	5.80
493	MUKTSAR	MALOUT	S-NPP	30.39990	74.48880	11/18/2021	12:46:30	D	32.00
494	MUKTSAR	MALOUT	S-NPP	30.40320	74.48670	11/18/2021	12:46:30	D	12.20
495	MUKTSAR	MALOUT	S-NPP	30.14580	74.41750	11/18/2021	14:26:47	D	4.50
496	MUKTSAR	MALOUT	S-NPP	30.31630	74.31580	11/18/2021	14:26:47	D	8.70
497	MUKTSAR	MALOUT	S-NPP	30.33630	74.33200	11/18/2021	14:26:47	D	18.90
498	MUKTSAR	MALOUT	S-NPP	30.35910	74.40080	11/18/2021	14:26:47	D	11.50
499	MUKTSAR	MALOUT	S-NPP	30.35940	74.40670	11/18/2021	14:26:47	D	11.50
500	MUKTSAR	MALOUT	S-NPP	30.36100	74.39880	11/18/2021	14:26:47	D	11.70
501	MUKTSAR	MALOUT	S-NPP	30.36130	74.40460	11/18/2021	14:26:47	D	15.10
502	MUKTSAR	MALOUT	S-NPP	30.36580	74.40630	11/18/2021	14:26:47	D	11.50
503	MUKTSAR	MALOUT	S-NPP	30.36610	74.41220	11/18/2021	14:26:47	D	10.10
504	MUKTSAR	MALOUT	S-NPP	30.36800	74.41010	11/18/2021	14:26:47	D	15.10
505	MUKTSAR	MALOUT	AQUA	30.16800	74.42500	11/18/2021	13:32:31	D	6.70
506	MUKTSAR	MALOUT	AQUA	30.33600	74.43900	11/18/2021	13:32:31	D	8.10
507	MUKTSAR	MUKTSAR	S-NPP	30.37870	74.50910	11/18/2021	12:46:30	D	9.30
508	MUKTSAR	MUKTSAR	S-NPP	30.38110	74.50920	11/18/2021	12:46:30	D	9.50
509	MUKTSAR	MUKTSAR	S-NPP	30.39870	74.49290	11/18/2021	12:46:30	D	15.70
510	MUKTSAR	MUKTSAR	S-NPP	30.40100	74.49310	11/18/2021	12:46:30	D	25.80
511	MUKTSAR	MUKTSAR	S-NPP	30.40420	74.49110	11/18/2021	12:46:30	D	15.70
512	MUKTSAR	MUKTSAR	S-NPP	30.47310	74.46940	11/18/2021	12:46:30	D	4.30
513	MUKTSAR	MUKTSAR	S-NPP	30.54100	74.39920	11/18/2021	12:46:30	D	4.30
514	MUKTSAR	MUKTSAR	S-NPP	30.54210	74.40360	11/18/2021	12:46:30	D	4.30
515	MUKTSAR	MUKTSAR	S-NPP	30.58500	74.57410	11/18/2021	12:46:30	D	7.80
516	MUKTSAR	MUKTSAR	S-NPP	30.37350	74.39210	11/18/2021	14:26:47	D	2.30
517	MUKTSAR	MUKTSAR	S-NPP	30.38380	74.50020	11/18/2021	14:26:47	D	3.40

518	MUKTSAR	MUKTSAR	S-NPP	30.39030	74.38720	11/18/2021	14:26:47	D	4.10
519	MUKTSAR	MUKTSAR	S-NPP	30.39230	74.38500	11/18/2021	14:26:47	D	9.60
520	MUKTSAR	MUKTSAR	S-NPP	30.39670	74.38680	11/18/2021	14:26:47	D	14.70
521	MUKTSAR	MUKTSAR	S-NPP	30.41140	74.38380	11/18/2021	14:26:47	D	5.30
522	MUKTSAR	MUKTSAR	S-NPP	30.41830	74.39510	11/18/2021	14:26:47	D	9.60
523	MUKTSAR	MUKTSAR	S-NPP	30.42230	74.47190	11/18/2021	14:26:47	D	5.20
524	MUKTSAR	MUKTSAR	S-NPP	30.42550	74.28940	11/18/2021	14:26:47	D	8.20
525	MUKTSAR	MUKTSAR	S-NPP	30.44740	74.58450	11/18/2021	14:26:47	D	6.60
526	MUKTSAR	MUKTSAR	S-NPP	30.46350	74.40420	11/18/2021	14:26:47	D	3.20
527	MUKTSAR	MUKTSAR	S-NPP	30.47400	74.45930	11/18/2021	14:26:47	D	7.90
528	MUKTSAR	MUKTSAR	S-NPP	30.48370	74.66430	11/18/2021	14:26:47	D	11.40
529	MUKTSAR	MUKTSAR	S-NPP	30.53640	74.55160	11/18/2021	14:26:47	D	3.70
530	MUKTSAR	MUKTSAR	S-NPP	30.54220	74.66690	11/18/2021	14:26:47	D	4.70
531	MUKTSAR	MUKTSAR	S-NPP	30.56040	74.39480	11/18/2021	14:26:47	D	9.20
532	MUKTSAR	MUKTSAR	S-NPP	30.56950	74.56780	11/18/2021	14:26:47	D	4.40
533	MUKTSAR	MUKTSAR	S-NPP	30.57040	74.42780	11/18/2021	14:26:47	D	5.90
534	MUKTSAR	MUKTSAR	S-NPP	30.57200	74.61630	11/18/2021	14:26:47	D	3.60
535	MUKTSAR	MUKTSAR	S-NPP	30.57590	74.40960	11/18/2021	14:26:47	D	2.50
536	MUKTSAR	MUKTSAR	S-NPP	30.57600	74.56740	11/18/2021	14:26:47	D	5.60
537	MUKTSAR	MUKTSAR	S-NPP	30.57940	74.63420	11/18/2021	14:26:47	D	9.90
538	MUKTSAR	MUKTSAR	S-NPP	30.58000	74.63240	11/18/2021	14:26:47	D	7.80
539	MUKTSAR	MUKTSAR	S-NPP	30.58050	74.41140	11/18/2021	14:26:47	D	7.50
540	MUKTSAR	MUKTSAR	S-NPP	30.58230	74.40920	11/18/2021	14:26:47	D	7.60
541	MUKTSAR	MUKTSAR	S-NPP	30.58850	74.56060	11/18/2021	14:26:47	D	5.20
542	MUKTSAR	MUKTSAR	S-NPP	30.60220	74.45770	11/18/2021	14:26:47	D	2.90
543	MUKTSAR	MUKTSAR	S-NPP	30.62390	74.47220	11/18/2021	14:26:47	D	5.90
544	MUKTSAR	MUKTSAR	AQUA	30.38400	74.42800	11/18/2021	13:32:31	D	11.50
545	MUKTSAR	MUKTSAR	AQUA	30.40400	74.42300	11/18/2021	13:32:31	D	45.10
546	MUKTSAR	MUKTSAR	AQUA	30.40500	74.37100	11/18/2021	13:32:31	D	5.80
547	MUKTSAR	MUKTSAR	AQUA	30.44300	74.54200	11/18/2021	13:32:31	D	9.80
548	MUKTSAR	MUKTSAR	AQUA	30.44500	74.55400	11/18/2021	13:32:31	D	11.10
549	MUKTSAR	MUKTSAR	AQUA	30.44800	74.54700	11/18/2021	13:32:31	D	17.80
550	MUKTSAR	MUKTSAR	AQUA	30.45000	74.44400	11/18/2021	13:32:31	D	10.50

551	MUKTSAR	MUKTSAR	AQUA	30.45200	74.45700	11/18/2021	13:32:31	D	17.40
552	MUKTSAR	MUKTSAR	AQUA	30.49300	74.46000	11/18/2021	13:32:31	D	10.40
553	MUKTSAR	MUKTSAR	AQUA	30.51400	74.64500	11/18/2021	13:32:31	D	7.00
554	MUKTSAR	MUKTSAR	AQUA	30.53800	74.41900	11/18/2021	13:32:31	D	11.70
555	MUKTSAR	MUKTSAR	AQUA	30.54800	74.48000	11/18/2021	13:32:31	D	77.10
556	MUKTSAR	MUKTSAR	AQUA	30.55100	74.55600	11/18/2021	13:32:31	D	5.00
557	MUKTSAR	MUKTSAR	AQUA	30.55500	74.40200	11/18/2021	13:32:31	D	9.00
558	MUKTSAR	MUKTSAR	AQUA	30.56600	74.46400	11/18/2021	13:32:31	D	13.60
559	MUKTSAR	MUKTSAR	AQUA	30.58400	74.39500	11/18/2021	13:32:31	D	28.60
560	MUKTSAR	MUKTSAR	AQUA	30.59800	74.41800	11/18/2021	13:32:31	D	9.40
561	MUKTSAR	MUKTSAR	AQUA	30.64200	74.54100	11/18/2021	13:32:31	D	12.10
562	MUKTSAR	MUKTSAR	AQUA	30.66700	74.51000	11/18/2021	13:32:31	D	12.80
563	PATIALA	BHUNARHERI	S-NPP	30.28490	76.62990	11/18/2021	12:46:30	D	3.10
564	PATIALA	BHUNARHERI	S-NPP	30.28570	76.63320	11/18/2021	12:46:30	D	3.10
565	PATIALA	NABHA	S-NPP	30.32340	76.18920	11/18/2021	12:46:30	D	2.60
566	PATIALA	NABHA	S-NPP	30.32780	76.11540	11/18/2021	12:46:30	D	7.30
567	PATIALA	NABHA	S-NPP	30.35720	76.19390	11/18/2021	12:46:30	D	1.10
568	PATIALA	NABHA	S-NPP	30.37550	76.19460	11/18/2021	12:46:30	D	3.40
569	PATIALA	NABHA	S-NPP	30.39240	76.05960	11/18/2021	12:46:30	D	5.20
570	PATIALA	NABHA	S-NPP	30.39330	76.06320	11/18/2021	12:46:30	D	5.20
571	PATIALA	NABHA	S-NPP	30.40340	76.17460	11/18/2021	12:46:30	D	2.80
572	PATIALA	NABHA	S-NPP	30.41160	76.25490	11/18/2021	12:46:30	D	1.50
573	PATIALA	NABHA	S-NPP	30.41840	76.26030	11/18/2021	12:46:30	D	3.90
574	PATIALA	NABHA	S-NPP	30.43480	76.10010	11/18/2021	12:46:30	D	2.50
575	PATIALA	NABHA	S-NPP	30.46310	76.12420	11/18/2021	12:46:30	D	3.20
576	PATIALA	NABHA	S-NPP	30.46770	76.12410	11/18/2021	12:46:30	D	7.50
577	PATIALA	NABHA	S-NPP	30.46820	76.12260	11/18/2021	12:46:30	D	3.20
578	PATIALA	NABHA	S-NPP	30.50010	76.30940	11/18/2021	12:46:30	D	3.60
579	PATIALA	NABHA	S-NPP	30.50170	76.30730	11/18/2021	12:46:30	D	7.70
580	PATIALA	NABHA	S-NPP	30.53970	76.21730	11/18/2021	12:46:30	D	2.60
581	PATIALA	NABHA	S-NPP	30.54050	76.22080	11/18/2021	12:46:30	D	2.60
582	PATIALA	NABHA	S-NPP	30.37400	76.17350	11/18/2021	14:26:47	D	4.30
583	PATIALA	NABHA	S-NPP	30.40520	76.25560	11/18/2021	14:26:47	D	10.50

584	PATIALA	NABHA	S-NPP	30.48830	76.06390	11/18/2021	14:26:47	D	6.30
585	PATIALA	NABHA	AQUA	30.32300	76.10000	11/18/2021	13:32:31	D	6.00
586	PATIALA	NABHA	AQUA	30.32500	76.11100	11/18/2021	13:32:31	D	5.90
587	PATIALA	NABHA	AQUA	30.32800	76.13200	11/18/2021	13:32:31	D	5.70
588	PATIALA	NABHA	AQUA	30.33500	76.12400	11/18/2021	13:32:31	D	4.70
589	PATIALA	NABHA	AQUA	30.35600	76.19700	11/18/2021	13:32:31	D	13.40
590	PATIALA	NABHA	AQUA	30.39000	76.05700	11/18/2021	13:32:31	D	28.10
591	PATIALA	NABHA	AQUA	30.43200	76.09800	11/18/2021	13:32:31	D	6.90
592	PATIALA	NABHA	AQUA	30.45600	76.12600	11/18/2021	13:32:31	D	5.50
593	PATIALA	NABHA	AQUA	30.46100	76.10300	11/18/2021	13:32:31	D	29.80
594	PATIALA	NABHA	AQUA	30.46300	76.11400	11/18/2021	13:32:31	D	5.50
595	PATIALA	NABHA	AQUA	30.53200	76.31900	11/18/2021	13:32:31	D	5.20
596	PATIALA	NABHA	AQUA	30.53400	76.09300	11/18/2021	13:32:31	D	18.10
597	PATIALA	PATIALA	S-NPP	30.38720	76.34560	11/18/2021	12:46:30	D	2.70
598	PATIALA	PATIALA	S-NPP	30.30430	76.30450	11/18/2021	14:26:47	D	7.30
599	PATIALA	PATIALA	AQUA	30.33300	76.28600	11/18/2021	13:32:31	D	5.50
600	PATIALA	PATIALA	AQUA	30.33400	76.29600	11/18/2021	13:32:31	D	5.80
601	PATIALA	PATIALA	AQUA	30.48900	76.33900	11/18/2021	13:32:31	D	13.40
602	PATIALA	PATRAN	S-NPP	30.05180	76.11260	11/18/2021	12:46:30	D	3.80
603	PATIALA	PATRAN	AQUA	29.89400	75.95800	11/18/2021	13:32:31	D	9.10
604	PATIALA	PATRAN	AQUA	29.90800	76.11200	11/18/2021	13:32:31	D	7.20
605	PATIALA	PATRAN	AQUA	29.99000	76.04300	11/18/2021	13:32:31	D	5.30
606	PATIALA	SAMANA	S-NPP	30.09600	76.25230	11/18/2021	12:46:30	D	1.70
607	PATIALA	SAMANA	S-NPP	30.12350	76.09030	11/18/2021	12:46:30	D	1.70
608	PATIALA	SAMANA	S-NPP	30.20280	76.07470	11/18/2021	12:46:30	D	2.70
609	PATIALA	SAMANA	S-NPP	30.20700	76.13900	11/18/2021	12:46:30	D	4.60
610	PATIALA	SAMANA	S-NPP	30.21680	76.17270	11/18/2021	14:26:47	D	4.40
611	PATIALA	SAMANA	S-NPP	30.22010	76.08310	11/18/2021	14:26:47	D	6.10
612	PATIALA	SAMANA	AQUA	30.16500	76.09500	11/18/2021	13:32:31	D	9.90
613	PATIALA	SAMANA	AQUA	30.16600	76.10500	11/18/2021	13:32:31	D	5.80
614	PATIALA	SHAMBU KALAN	S-NPP	30.42420	76.59630	11/18/2021	12:46:30	D	1.50
615	SANGRUR	ANDANA	S-NPP	29.79170	76.03800	11/18/2021	12:46:30	D	4.30
616	SANGRUR	ANDANA	S-NPP	29.85170	75.89920	11/18/2021	12:46:30	D	4.60

617	SANGRUR	ANDANA	S-NPP	29.85260	75.90290	11/18/2021	12:46:30	D	4.60
618	SANGRUR	ANDANA	S-NPP	29.85330	75.89910	11/18/2021	12:46:30	D	4.50
619	SANGRUR	ANDANA	S-NPP	29.85420	75.90280	11/18/2021	12:46:30	D	4.50
620	SANGRUR	ANDANA	AQUA	29.80500	75.85800	11/18/2021	13:32:31	D	5.40
621	SANGRUR	ANDANA	AQUA	29.84600	75.95700	11/18/2021	13:32:31	D	15.70
622	SANGRUR	ANDANA	AQUA	29.88400	75.96000	11/18/2021	13:32:31	D	9.80
623	SANGRUR	BHAWANIGARH	S-NPP	30.16590	76.01230	11/18/2021	12:46:30	D	3.00
624	SANGRUR	BHAWANIGARH	S-NPP	30.24250	76.01070	11/18/2021	12:46:30	D	1.20
625	SANGRUR	BHAWANIGARH	S-NPP	30.31170	76.07050	11/18/2021	12:46:30	D	3.40
626	SANGRUR	BHAWANIGARH	S-NPP	30.15920	75.95380	11/18/2021	14:26:47	D	12.50
627	SANGRUR	BHAWANIGARH	S-NPP	30.16000	75.94950	11/18/2021	14:26:47	D	14.40
628	SANGRUR	BHAWANIGARH	S-NPP	30.22590	76.08180	11/18/2021	14:26:47	D	4.40
629	SANGRUR	BHAWANIGARH	S-NPP	30.23280	76.08150	11/18/2021	14:26:47	D	4.40
630	SANGRUR	BHAWANIGARH	S-NPP	30.23400	76.08250	11/18/2021	14:26:47	D	4.70
631	SANGRUR	BHAWANIGARH	S-NPP	30.28300	76.08780	11/18/2021	14:26:47	D	4.50
632	SANGRUR	BHAWANIGARH	S-NPP	30.29570	76.08600	11/18/2021	14:26:47	D	6.90
633	SANGRUR	BHAWANIGARH	AQUA	30.14200	76.01000	11/18/2021	13:32:31	D	12.60
634	SANGRUR	BHAWANIGARH	AQUA	30.16400	75.97200	11/18/2021	13:32:31	D	22.30
635	SANGRUR	BHAWANIGARH	AQUA	30.25400	76.08100	11/18/2021	13:32:31	D	5.40
636	SANGRUR	DHURI	S-NPP	30.30810	75.73110	11/18/2021	12:46:30	D	2.50
637	SANGRUR	DIRBA	S-NPP	29.98260	76.00230	11/18/2021	14:26:47	D	2.60
638	SANGRUR	DIRBA	S-NPP	30.11980	75.98050	11/18/2021	14:26:47	D	2.30
639	SANGRUR	DIRBA	S-NPP	30.14250	76.02320	11/18/2021	14:26:47	D	5.90
640	SANGRUR	DIRBA	AQUA	29.96900	76.02500	11/18/2021	13:32:31	D	10.90
641	SANGRUR	DIRBA	AQUA	30.09900	75.97000	11/18/2021	13:32:31	D	6.60
642	SANGRUR	DIRBA	AQUA	30.14400	76.02100	11/18/2021	13:32:31	D	12.10
643	SANGRUR	LEHRA GAGA	S-NPP	29.83790	75.81060	11/18/2021	12:46:30	D	4.00
644	SANGRUR	LEHRA GAGA	S-NPP	29.84100	75.80940	11/18/2021	12:46:30	D	4.00
645	SANGRUR	LEHRA GAGA	S-NPP	29.87660	75.86330	11/18/2021	12:46:30	D	2.20
646	SANGRUR	LEHRA GAGA	S-NPP	29.92430	75.96870	11/18/2021	12:46:30	D	2.70
647	SANGRUR	LEHRA GAGA	S-NPP	29.93870	75.73720	11/18/2021	12:46:30	D	2.60
648	SANGRUR	LEHRA GAGA	S-NPP	29.94400	75.73550	11/18/2021	12:46:30	D	2.60
649	SANGRUR	LEHRA GAGA	S-NPP	29.97420	75.76700	11/18/2021	12:46:30	D	2.40

650	SANGRUR	LEHRA GAGA	S-NPP	29.91750	75.93310	11/18/2021	14:26:47	D	15.30
651	SANGRUR	LEHRA GAGA	S-NPP	29.91780	75.93210	11/18/2021	14:26:47	D	19.40
652	SANGRUR	LEHRA GAGA	S-NPP	29.92420	75.77530	11/18/2021	14:26:47	D	8.90
653	SANGRUR	LEHRA GAGA	S-NPP	29.92490	75.77600	11/18/2021	14:26:47	D	7.30
654	SANGRUR	LEHRA GAGA	S-NPP	29.94480	75.76090	11/18/2021	14:26:47	D	2.90
655	SANGRUR	LEHRA GAGA	AQUA	29.86500	75.84000	11/18/2021	13:32:31	D	15.60
656	SANGRUR	LEHRA GAGA	AQUA	29.86700	75.85100	11/18/2021	13:32:31	D	25.30
657	SANGRUR	LEHRA GAGA	AQUA	29.88800	75.80100	11/18/2021	13:32:31	D	6.70
658	SANGRUR	LEHRA GAGA	AQUA	29.88800	75.92600	11/18/2021	13:32:31	D	9.70
659	SANGRUR	LEHRA GAGA	AQUA	29.92200	75.78700	11/18/2021	13:32:31	D	5.10
660	SANGRUR	LEHRA GAGA	AQUA	29.92300	75.79800	11/18/2021	13:32:31	D	6.60
661	SANGRUR	LEHRA GAGA	AQUA	29.92300	75.96300	11/18/2021	13:32:31	D	8.70
662	SANGRUR	MALERKOTLA-1	S-NPP	30.48720	76.06320	11/18/2021	14:26:47	D	8.90
663	SANGRUR	MALERKOTLA-1	AQUA	30.54900	76.06700	11/18/2021	13:32:31	D	10.90
664	SANGRUR	SANGRUR	S-NPP	30.22300	75.63570	11/18/2021	12:46:30	D	3.60
665	SANGRUR	SANGRUR	S-NPP	30.22510	75.63570	11/18/2021	12:46:30	D	3.30
666	SANGRUR	SANGRUR	S-NPP	30.24740	75.79940	11/18/2021	12:46:30	D	3.00
667	SANGRUR	SANGRUR	AQUA	30.17400	75.57800	11/18/2021	13:32:31	D	5.50
668	SANGRUR	SHER PUR	S-NPP	30.48470	75.66560	11/18/2021	12:46:30	D	3.40
669	SANGRUR	SHER PUR	S-NPP	30.48990	75.66400	11/18/2021	12:46:30	D	3.40
670	SANGRUR	SHER PUR	AQUA	30.30500	75.69300	11/18/2021	13:32:31	D	6.10
671	SANGRUR	SHER PUR	AQUA	30.30700	75.70400	11/18/2021	13:32:31	D	19.50
672	SANGRUR	SHER PUR	AQUA	30.42700	75.70600	11/18/2021	13:32:31	D	13.00
673	SANGRUR	SUNAM	S-NPP	29.99520	75.69070	11/18/2021	12:46:30	D	6.50
674	SANGRUR	SUNAM	S-NPP	30.01730	75.92280	11/18/2021	12:46:30	D	3.80
675	SANGRUR	SUNAM	AQUA	30.08800	75.67100	11/18/2021	13:32:31	D	22.50
676	SBS NAGAR	BANGA	AQUA	31.27500	75.86400	11/18/2021	13:32:31	D	6.10
677	TARN TARAN	BHIKHIWIND	AQUA	31.37600	74.70400	11/18/2021	13:32:31	D	12.50
678	TARN TARAN	GANDIWIND TATLA	S-NPP	31.46090	74.68990	11/18/2021	12:46:30	D	2.70
679	TARN TARAN	PATTI	AQUA	31.32800	74.82500	11/18/2021	13:32:31	D	6.00
680	TARN TARAN	TARN TARAN	S-NPP	31.37250	74.82060	11/18/2021	12:46:30	D	1.70

Details of residue burning events in Haryana on 18-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	AMBALA	AMBALA-I	S-NPP	30.32650	76.92030	11/18/2021	12:46:30	D	3.50
2	AMBALA	SAHA	S-NPP	30.32560	76.92030	11/18/2021	12:46:30	D	4.00
3	BHIWANI	BHIWANI	AQUA	28.97000	76.20100	11/18/2021	13:32:31	D	6.90
4	FATEHABAD	BHUNA	S-NPP	29.44090	75.69350	11/18/2021	12:46:30	D	1.00
5	FATEHABAD	BHUNA	S-NPP	29.48720	75.73210	11/18/2021	14:26:47	D	4.70
6	FATEHABAD	BHUNA	AQUA	29.48700	75.72800	11/18/2021	13:32:31	D	5.30
7	FATEHABAD	BHUNA	AQUA	29.50000	75.74800	11/18/2021	13:32:31	D	5.70
8	FATEHABAD	BHUNA	AQUA	29.57500	75.63300	11/18/2021	13:32:31	D	13.40
9	FATEHABAD	BHUNA	AQUA	29.59400	75.75600	11/18/2021	13:32:31	D	8.50
10	FATEHABAD	FATEHABAD	S-NPP	29.54080	75.42430	11/18/2021	14:26:47	D	17.70
11	FATEHABAD	FATEHABAD	S-NPP	29.58590	75.38880	11/18/2021	14:26:47	D	3.30
12	FATEHABAD	FATEHABAD	S-NPP	29.58990	75.38780	11/18/2021	14:26:47	D	4.80
13	FATEHABAD	FATEHABAD	S-NPP	29.61320	75.31410	11/18/2021	14:26:47	D	6.10
14	FATEHABAD	FATEHABAD	AQUA	29.54200	75.43000	11/18/2021	13:32:31	D	6.20
15	FATEHABAD	FATEHABAD	AQUA	29.57900	75.54000	11/18/2021	13:32:31	D	22.10
16	FATEHABAD	FATEHABAD	AQUA	29.58100	75.55100	11/18/2021	13:32:31	D	10.90
17	FATEHABAD	FATEHABAD	AQUA	29.59100	75.34300	11/18/2021	13:32:31	D	4.80
18	FATEHABAD	FATEHABAD	AQUA	29.63600	75.32200	11/18/2021	13:32:31	D	37.70
19	FATEHABAD	RATIA	S-NPP	29.60730	75.51960	11/18/2021	12:46:30	D	4.60
20	FATEHABAD	RATIA	S-NPP	29.60880	75.57510	11/18/2021	14:26:47	D	7.70
21	FATEHABAD	RATIA	S-NPP	29.61170	75.57420	11/18/2021	14:26:47	D	9.90
22	FATEHABAD	RATIA	S-NPP	29.64080	75.33230	11/18/2021	14:26:47	D	4.50
23	FATEHABAD	RATIA	S-NPP	29.66660	75.59160	11/18/2021	14:26:47	D	21.40
24	FATEHABAD	RATIA	S-NPP	29.69640	75.37540	11/18/2021	14:26:47	D	5.70
25	FATEHABAD	RATIA	S-NPP	29.69980	75.37230	11/18/2021	14:26:47	D	6.40
26	FATEHABAD	RATIA	S-NPP	29.70690	75.53240	11/18/2021	14:26:47	D	27.20
27	FATEHABAD	RATIA	S-NPP	29.71040	75.38790	11/18/2021	14:26:47	D	5.90
28	FATEHABAD	RATIA	S-NPP	29.71740	75.39420	11/18/2021	14:26:47	D	11.80
29	FATEHABAD	RATIA	AQUA	29.63900	75.52100	11/18/2021	13:32:31	D	5.30
30	FATEHABAD	RATIA	AQUA	29.70000	75.50100	11/18/2021	13:32:31	D	6.20

31	FATEHABAD	RATIA	AQUA	29.71500	75.47500	11/18/2021	13:32:31	D	11.50
32	FATEHABAD	RATIA	AQUA	29.72400	75.53100	11/18/2021	13:32:31	D	12.10
33	FATEHABAD	RATIA	AQUA	29.74100	75.57400	11/18/2021	13:32:31	D	12.60
34	FATEHABAD	RATIA	AQUA	29.74200	75.58500	11/18/2021	13:32:31	D	51.30
35	FATEHABAD	TOHANA	S-NPP	29.57290	75.90440	11/18/2021	12:46:30	D	3.20
36	FATEHABAD	TOHANA	AQUA	29.63000	75.76600	11/18/2021	13:32:31	D	8.90
37	HISAR	HANSI-I	S-NPP	29.14470	76.04950	11/18/2021	12:46:30	D	4.80
38	HISAR	HANSI-I	S-NPP	29.26540	75.90340	11/18/2021	12:46:30	D	1.80
39	HISAR	HANSI-I	S-NPP	29.28160	75.94760	11/18/2021	12:46:30	D	1.80
40	HISAR	HANSI-I	S-NPP	29.13190	75.98170	11/18/2021	14:26:47	D	5.60
41	HISAR	NARNAUND	S-NPP	29.16920	76.15090	11/18/2021	12:46:30	D	1.90
42	HISAR	NARNAUND	AQUA	29.19400	76.15300	11/18/2021	13:32:31	D	4.80
43	HISAR	NARNAUND	AQUA	29.31200	76.13300	11/18/2021	13:32:31	D	4.60
44	JHAJJAR	BAHADURGARH	S-NPP	28.77350	76.91980	11/18/2021	12:46:30	D	1.90
45	JIND	JIND	S-NPP	29.39160	76.34630	11/18/2021	01:36:30	N	1.00
46	JIND	JIND	S-NPP	29.40970	76.32640	11/18/2021	14:26:47	D	4.00
47	JIND	JIND	S-NPP	29.41510	76.32920	11/18/2021	14:26:47	D	9.20
48	JIND	JULANA	S-NPP	29.12660	76.36250	11/18/2021	12:46:30	D	1.70
49	JIND	NARWANA	S-NPP	29.70090	76.04730	11/18/2021	12:46:30	D	3.10
50	JIND	NARWANA	S-NPP	29.72160	76.04370	11/18/2021	14:26:47	D	2.80
51	JIND	NARWANA	S-NPP	29.74120	76.01370	11/18/2021	14:26:47	D	6.10
52	JIND	NARWANA	S-NPP	29.74140	76.01630	11/18/2021	14:26:47	D	12.10
53	JIND	NARWANA	AQUA	29.67200	76.06700	11/18/2021	13:32:31	D	6.20
54	JIND	NARWANA	AQUA	29.74900	76.15700	11/18/2021	13:32:31	D	12.50
55	JIND	PILLUKHERA	AQUA	29.40400	76.49400	11/18/2021	13:32:31	D	5.40
56	JIND	SAFIDON	S-NPP	29.43770	76.70230	11/18/2021	12:46:30	D	3.60
57	JIND	UCHANA	S-NPP	29.49510	76.13010	11/18/2021	12:46:30	D	4.40
58	JIND	UCHANA	S-NPP	29.50370	76.13700	11/18/2021	14:26:47	D	12.00
59	JIND	UCHANA	S-NPP	29.50470	76.13220	11/18/2021	14:26:47	D	12.20
60	JIND	UCHANA	S-NPP	29.50860	76.22040	11/18/2021	14:26:47	D	5.10
61	KAITHAL	KALAYAT	S-NPP	29.63130	76.37810	11/18/2021	12:46:30	D	3.80
62	KAITHAL	KALAYAT	AQUA	29.60000	76.26600	11/18/2021	13:32:31	D	4.80
63	KAITHAL	PUNDRI	S-NPP	29.76500	76.66840	11/18/2021	12:46:30	D	1.60

64	KAITHAL	PUNDRI	AQUA	29.65700	76.63700	11/18/2021	13:32:31	D	4.90
65	KARNAL	ASSANDH	S-NPP	29.51670	76.82200	11/18/2021	12:46:30	D	2.70
66	KARNAL	ASSANDH	S-NPP	29.51850	76.81970	11/18/2021	12:46:30	D	2.60
67	KARNAL	CHIRAO	AQUA	29.74500	76.78500	11/18/2021	13:32:31	D	4.80
68	PANIPAT	ISRANA	S-NPP	29.34550	76.91770	11/18/2021	12:46:30	D	1.80
69	PANIPAT	ISRANA	AQUA	29.26300	76.83700	11/18/2021	13:32:31	D	5.80
70	PANIPAT	MADLAUDA	S-NPP	29.31790	76.70830	11/18/2021	12:46:30	D	2.80
71	PANIPAT	MADLAUDA	S-NPP	29.35330	76.69780	11/18/2021	12:46:30	D	2.60
72	PANIPAT	MADLAUDA	AQUA	29.33300	76.75200	11/18/2021	13:32:31	D	8.60
73	PANIPAT	PANIPAT	S-NPP	29.34470	76.91430	11/18/2021	12:46:30	D	1.80
74	PANIPAT	SAMALKHA	S-NPP	29.21600	77.07970	11/18/2021	12:46:30	D	1.50
75	PANIPAT	SANAULI KHURD	AQUA	29.41300	77.03500	11/18/2021	13:32:31	D	5.80
76	ROHTAK	MEHAM	S-NPP	28.92780	76.40470	11/18/2021	12:46:30	D	5.80
77	ROHTAK	MEHAM	S-NPP	28.96310	76.41360	11/18/2021	12:46:30	D	2.80
78	ROHTAK	MEHAM	S-NPP	28.94400	76.41810	11/18/2021	14:26:47	D	4.40
79	ROHTAK	MEHAM	AQUA	29.00200	76.34900	11/18/2021	13:32:31	D	6.10
80	ROHTAK	ROHTAK	AQUA	29.01200	76.70200	11/18/2021	13:32:31	D	10.20
81	SIRSA	BARAGUNDA	S-NPP	29.58470	74.99590	11/18/2021	14:26:47	D	3.50
82	SIRSA	BARAGUNDA	S-NPP	29.68420	75.14190	11/18/2021	14:26:47	D	5.60
83	SIRSA	BARAGUNDA	AQUA	29.61500	75.04300	11/18/2021	13:32:31	D	6.40
84	SIRSA	ELLENABAD	S-NPP	29.54720	74.66770	11/18/2021	01:36:30	N	0.80
85	SIRSA	ELLENABAD	S-NPP	29.46050	74.73510	11/18/2021	14:26:47	D	5.80
86	SIRSA	ELLENABAD	S-NPP	29.48700	74.75530	11/18/2021	14:26:47	D	5.00
87	SIRSA	ELLENABAD	S-NPP	29.48750	74.75750	11/18/2021	14:26:47	D	4.20
88	SIRSA	ELLENABAD	S-NPP	29.57300	74.66830	11/18/2021	14:26:47	D	10.30
89	SIRSA	ELLENABAD	S-NPP	29.57450	74.66650	11/18/2021	14:26:47	D	6.20
90	SIRSA	ELLENABAD	AQUA	29.45900	74.80400	11/18/2021	13:32:31	D	18.80
91	SIRSA	NATHUSARI CHOPTA	S-NPP	29.53910	75.25410	11/18/2021	14:26:47	D	6.20
92	SIRSA	NATHUSARI CHOPTA	S-NPP	29.54570	75.25380	11/18/2021	14:26:47	D	6.00
93	SIRSA	NATHUSARI CHOPTA	AQUA	29.54600	75.27500	11/18/2021	13:32:31	D	19.00
94	SIRSA	NATHUSARI CHOPTA	AQUA	29.55100	75.28100	11/18/2021	13:32:31	D	11.80

95	SIRSA	RANIA	AQUA	29.45200	74.88100	11/18/2021	13:32:31	D	6.90
96	SIRSA	RANIA	AQUA	29.48800	74.84200	11/18/2021	13:32:31	D	12.30
97	SIRSA	SIRSA	S-NPP	29.57200	75.13410	11/18/2021	12:46:30	D	2.80
98	SIRSA	SIRSA	S-NPP	29.45080	74.93070	11/18/2021	14:26:47	D	5.70
99	SIRSA	SIRSA	S-NPP	29.49700	74.94020	11/18/2021	14:26:47	D	3.30
100	SIRSA	SIRSA	S-NPP	29.59520	75.07710	11/18/2021	14:26:47	D	4.10
101	SIRSA	SIRSA	S-NPP	29.59610	75.07830	11/18/2021	14:26:47	D	3.60
102	SIRSA	SIRSA	S-NPP	29.65760	75.13710	11/18/2021	14:26:47	D	5.60
103	SIRSA	SIRSA	AQUA	29.48100	74.93700	11/18/2021	13:32:31	D	20.70
104	SIRSA	SIRSA	AQUA	29.48300	74.94800	11/18/2021	13:32:31	D	12.90
105	SONIPAT	GANAUR	S-NPP	29.16390	76.89950	11/18/2021	12:46:30	D	1.50
106	SONIPAT	GANAUR	AQUA	29.15500	77.04200	11/18/2021	13:32:31	D	5.10
107	SONIPAT	GOHANA	S-NPP	28.97250	76.75650	11/18/2021	12:46:30	D	1.70
108	SONIPAT	KATHURA	S-NPP	29.19270	76.54980	11/18/2021	12:46:30	D	2.20
109	SONIPAT	KATHURA	S-NPP	29.22350	76.51780	11/18/2021	12:46:30	D	2.30
110	SONIPAT	KATHURA	AQUA	29.14700	76.49900	11/18/2021	13:32:31	D	5.90
111	SONIPAT	KATHURA	AQUA	29.14900	76.51000	11/18/2021	13:32:31	D	5.60

Details of residue burning events in Uttar Pradesh on 18-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALLAHABAD	HADIYA	S-NPP	25.36060	82.29560	11/18/2021	01:36:30	N	0.80
2	BAREILLY	BAHERI	S-NPP	28.86250	79.55120	11/18/2021	12:46:30	D	2.20
3	FATEHPUR	KHAGA	S-NPP	25.72510	81.01650	11/18/2021	12:46:30	D	3.20
4	GAZIPUR	GAZIPUR	S-NPP	25.79760	83.53740	11/18/2021	12:46:30	D	5.80
5	GAZIPUR	MUHAMMADBAD	S-NPP	25.66600	83.78340	11/18/2021	01:36:30	N	0.60
6	KAUSHAMBI	MANJHANPUR	S-NPP	25.38410	81.33540	11/18/2021	12:46:30	D	2.90
7	KAUSHAMBI	MANJHANPUR	S-NPP	25.38830	81.33440	11/18/2021	12:46:30	D	5.40
8	MAHARAJGANJ	PHARENDA	S-NPP	27.14140	83.36430	11/18/2021	12:46:30	D	3.00
9	MUZAFARNAGAR	BUDHANA	AQUA	29.37900	77.42900	11/18/2021	13:32:31	D	5.20
10	RAIBEARELI	SALON	S-NPP	26.12660	81.49740	11/18/2021	12:46:30	D	2.20
11	RAMPUR	BILASPUR	AQUA	28.85500	79.40200	11/18/2021	13:32:31	D	6.90
12	SHARANPUR	DEOBAND	AQUA	29.77400	77.73700	11/18/2021	13:32:31	D	5.70
13	SHARANPUR	RAMPUR MANIHARRAN	S-NPP	29.78050	77.52330	11/18/2021	12:46:30	D	7.60
14	SHARANPUR	RAMPUR MANIHARRAN	S-NPP	29.78240	77.52470	11/18/2021	12:46:30	D	8.40

Details of residue burning events in Rajasthan on 18-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	GANGANAGAR	ANAPGARH	S-NPP	29.22690	73.08190	11/18/2021	14:26:47	D	5.60
2	GANGANAGAR	SURATGARH	S-NPP	29.33590	73.78750	11/18/2021	12:46:30	D	11.50
3	GANGANAGAR	SURATGARH	S-NPP	29.33960	73.78370	11/18/2021	12:46:30	D	4.40
4	GANGANAGAR	SURATGARH	S-NPP	29.34090	73.78880	11/18/2021	12:46:30	D	4.40
5	GANGANAGAR	SURATGARH	S-NPP	29.35840	73.95700	11/18/2021	12:46:30	D	6.40
6	GANGANAGAR	SURATGARH	S-NPP	29.36020	73.95330	11/18/2021	12:46:30	D	15.80
7	GANGANAGAR	SURATGARH	S-NPP	29.36420	73.95510	11/18/2021	12:46:30	D	6.40
8	GANGANAGAR	SURATGARH	S-NPP	29.36420	73.96190	11/18/2021	14:26:47	D	4.10
9	GANGANAGAR	SURATGARH	S-NPP	29.37030	73.96150	11/18/2021	14:26:47	D	6.50
10	HANUMANGARH	HANUMANGARH	S-NPP	29.51490	74.21280	11/18/2021	12:46:30	D	4.40
11	HANUMANGARH	HANUMANGARH	S-NPP	29.56370	74.25840	11/18/2021	12:46:30	D	3.80
12	HANUMANGARH	HANUMANGARH	S-NPP	29.56660	74.25340	11/18/2021	12:46:30	D	8.40
13	HANUMANGARH	HANUMANGARH	S-NPP	29.56780	74.25810	11/18/2021	12:46:30	D	8.40
14	HANUMANGARH	HANUMANGARH	S-NPP	29.56940	74.25650	11/18/2021	12:46:30	D	10.40
15	HANUMANGARH	HANUMANGARH	S-NPP	29.58490	74.25250	11/18/2021	12:46:30	D	3.00
16	HANUMANGARH	HANUMANGARH	S-NPP	29.62720	74.34520	11/18/2021	12:46:30	D	4.80
17	HANUMANGARH	HANUMANGARH	S-NPP	29.48510	74.14010	11/18/2021	14:26:47	D	3.20
18	HANUMANGARH	HANUMANGARH	S-NPP	29.50540	74.16640	11/18/2021	14:26:47	D	9.90
19	HANUMANGARH	HANUMANGARH	S-NPP	29.51460	74.21600	11/18/2021	14:26:47	D	8.10
20	HANUMANGARH	HANUMANGARH	S-NPP	29.51890	74.21380	11/18/2021	14:26:47	D	17.20
21	HANUMANGARH	HANUMANGARH	S-NPP	29.52090	74.21560	11/18/2021	14:26:47	D	8.10
22	HANUMANGARH	HANUMANGARH	S-NPP	29.52400	74.19100	11/18/2021	14:26:47	D	6.30
23	HANUMANGARH	HANUMANGARH	S-NPP	29.52550	74.18730	11/18/2021	14:26:47	D	6.40
24	HANUMANGARH	HANUMANGARH	S-NPP	29.55050	74.21720	11/18/2021	14:26:47	D	8.00
25	HANUMANGARH	HANUMANGARH	S-NPP	29.55250	74.21910	11/18/2021	14:26:47	D	10.60
26	HANUMANGARH	HANUMANGARH	S-NPP	29.55660	74.28630	11/18/2021	14:26:47	D	13.80
27	HANUMANGARH	HANUMANGARH	S-NPP	29.56020	74.27850	11/18/2021	14:26:47	D	11.30
28	HANUMANGARH	HANUMANGARH	S-NPP	29.56080	74.28970	11/18/2021	14:26:47	D	10.50
29	HANUMANGARH	HANUMANGARH	S-NPP	29.57020	74.40500	11/18/2021	14:26:47	D	5.00

30	HANUMANGARH	HANUMANGARH	S-NPP	29.57330	74.40290	11/18/2021	14:26:47	D	5.60
31	HANUMANGARH	HANUMANGARH	S-NPP	29.58690	74.30500	11/18/2021	14:26:47	D	10.00
32	HANUMANGARH	HANUMANGARH	S-NPP	29.59220	74.28760	11/18/2021	14:26:47	D	8.40
33	HANUMANGARH	HANUMANGARH	S-NPP	29.59880	74.29280	11/18/2021	14:26:47	D	3.00
34	HANUMANGARH	HANUMANGARH	S-NPP	29.60170	74.34380	11/18/2021	14:26:47	D	7.60
35	HANUMANGARH	HANUMANGARH	S-NPP	29.62760	74.35350	11/18/2021	14:26:47	D	14.10
36	HANUMANGARH	HANUMANGARH	S-NPP	29.63070	74.35550	11/18/2021	14:26:47	D	13.20
37	HANUMANGARH	HANUMANGARH	AQUA	29.50700	74.16900	11/18/2021	13:32:31	D	12.40
38	HANUMANGARH	HANUMANGARH	AQUA	29.56800	74.23000	11/18/2021	13:32:31	D	12.60
39	HANUMANGARH	HANUMANGARH	AQUA	29.63000	74.34900	11/18/2021	13:32:31	D	9.00
40	HANUMANGARH	P LIBANGA	S-NPP	29.38780	73.94420	11/18/2021	14:26:47	D	13.50
41	HANUMANGARH	P LIBANGA	S-NPP	29.39400	73.94370	11/18/2021	14:26:47	D	12.90
42	HANUMANGARH	P LIBANGA	AQUA	29.42100	74.03100	11/18/2021	13:32:31	D	16.20
43	HANUMANGARH	SANGHRIYA	S-NPP	29.61160	74.40630	11/18/2021	14:26:47	D	13.90
44	HANUMANGARH	SANGHRIYA	S-NPP	29.61190	74.41200	11/18/2021	14:26:47	D	23.50
45	HANUMANGARH	TIBI	S-NPP	29.53260	74.54910	11/18/2021	12:46:30	D	3.70
46	HANUMANGARH	TIBI	S-NPP	29.58670	74.49710	11/18/2021	12:46:30	D	12.70
47	HANUMANGARH	TIBI	S-NPP	29.58780	74.50170	11/18/2021	12:46:30	D	12.70
48	HANUMANGARH	TIBI	S-NPP	29.59230	74.49530	11/18/2021	12:46:30	D	15.60
49	HANUMANGARH	TIBI	S-NPP	29.59340	74.47510	11/18/2021	12:46:30	D	3.70
50	HANUMANGARH	TIBI	S-NPP	29.59350	74.49980	11/18/2021	12:46:30	D	15.60
51	HANUMANGARH	TIBI	S-NPP	29.63990	74.53940	11/18/2021	12:46:30	D	4.20
52	HANUMANGARH	TIBI	S-NPP	29.64090	74.54330	11/18/2021	12:46:30	D	3.40
53	HANUMANGARH	TIBI	S-NPP	29.64290	74.47950	11/18/2021	12:46:30	D	3.80
54	HANUMANGARH	TIBI	S-NPP	29.50060	74.40950	11/18/2021	14:26:47	D	4.00
55	HANUMANGARH	TIBI	S-NPP	29.52750	74.54700	11/18/2021	14:26:47	D	3.70
56	HANUMANGARH	TIBI	S-NPP	29.56590	74.50190	11/18/2021	14:26:47	D	28.10
57	HANUMANGARH	TIBI	S-NPP	29.56940	74.49770	11/18/2021	14:26:47	D	19.00
58	HANUMANGARH	TIBI	S-NPP	29.56970	74.50350	11/18/2021	14:26:47	D	33.00
59	HANUMANGARH	TIBI	S-NPP	29.57230	74.50150	11/18/2021	14:26:47	D	5.60
60	HANUMANGARH	TIBI	S-NPP	29.57950	74.56140	11/18/2021	14:26:47	D	10.90
61	HANUMANGARH	TIBI	S-NPP	29.57990	74.56730	11/18/2021	14:26:47	D	10.90
62	HANUMANGARH	TIBI	S-NPP	29.58180	74.55950	11/18/2021	14:26:47	D	13.80
63	HANUMANGARH	TIBI	S-NPP	29.58210	74.56540	11/18/2021	14:26:47	D	19.50

64	HANUMANGARH	TIBI	S-NPP	29.59420	74.55280	11/18/2021	14:26:47	D	9.50
65	HANUMANGARH	TIBI	S-NPP	29.59450	74.44200	11/18/2021	14:26:47	D	7.80
66	HANUMANGARH	TIBI	S-NPP	29.59480	74.44770	11/18/2021	14:26:47	D	10.10
67	HANUMANGARH	TIBI	S-NPP	29.60340	74.48780	11/18/2021	14:26:47	D	11.30
68	HANUMANGARH	TIBI	S-NPP	29.61320	74.43500	11/18/2021	14:26:47	D	13.10
69	HANUMANGARH	TIBI	AQUA	29.51800	74.60700	11/18/2021	13:32:31	D	7.80
70	HANUMANGARH	TIBI	AQUA	29.52100	74.62000	11/18/2021	13:32:31	D	13.20
71	HANUMANGARH	TIBI	AQUA	29.53500	74.57100	11/18/2021	13:32:31	D	14.20
72	HANUMANGARH	TIBI	AQUA	29.53800	74.53200	11/18/2021	13:32:31	D	29.40
73	HANUMANGARH	TIBI	AQUA	29.57000	74.42000	11/18/2021	13:32:31	D	8.80
74	HANUMANGARH	TIBI	AQUA	29.59100	74.48100	11/18/2021	13:32:31	D	7.40
75	HANUMANGARH	TIBI	AQUA	29.59300	74.49400	11/18/2021	13:32:31	D	45.20
76	HANUMANGARH	TIBI	AQUA	29.59500	74.50600	11/18/2021	13:32:31	D	11.90
77	HANUMANGARH	TIBI	AQUA	29.62700	74.45400	11/18/2021	13:32:31	D	15.50

Details of residue burning events in Madhya Pradesh on 18-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ASHOKNAGAR	CHANDERI	S-NPP	24.58980	77.96300	11/18/2021	12:46:30	D	2.30
2	BHOPAL	HUZUR	S-NPP	23.10400	77.46260	11/18/2021	12:46:30	D	6.20
3	BHOPAL	HUZUR	S-NPP	23.10700	77.46120	11/18/2021	12:46:30	D	3.70
4	BHOPAL	HUZUR	S-NPP	23.10800	77.46520	11/18/2021	12:46:30	D	3.70
5	BHOPAL	HUZUR	AQUA	23.09300	77.42600	11/18/2021	13:32:31	D	5.60
6	HOSHANGABAD	BABAI	S-NPP	22.68700	77.90480	11/18/2021	12:46:30	D	2.30
7	HOSHANGABAD	BABAI	S-NPP	22.77350	77.80850	11/18/2021	12:46:30	D	3.10
8	HOSHANGABAD	BABAI	AQUA	22.79200	77.80500	11/18/2021	13:32:31	D	6.10
9	HOSHANGABAD	BANKHERI	S-NPP	22.75100	78.63090	11/18/2021	12:46:30	D	3.20
10	HOSHANGABAD	BANKHERI	S-NPP	22.77120	78.67310	11/18/2021	12:46:30	D	4.40
11	HOSHANGABAD	BANKHERI	S-NPP	22.90010	78.52130	11/18/2021	12:46:30	D	2.50
12	HOSHANGABAD	BANKHERI	S-NPP	22.90210	78.52170	11/18/2021	12:46:30	D	3.60
13	HOSHANGABAD	BANKHERI	AQUA	22.77800	78.49400	11/18/2021	13:32:31	D	6.00
14	HOSHANGABAD	ITARSI	AQUA	22.58800	77.80100	11/18/2021	13:32:31	D	6.60
15	HOSHANGABAD	PIPARIYA	S-NPP	22.88450	78.40220	11/18/2021	12:46:30	D	2.80
16	JABALPUR	JABALPUR	S-NPP	23.23350	79.88560	11/18/2021	12:46:30	D	3.30
17	JABALPUR	JABALPUR	AQUA	23.35500	79.93000	11/18/2021	13:32:31	D	6.70
18	JABALPUR	JABALPUR	AQUA	23.35600	79.94000	11/18/2021	13:32:31	D	6.70
19	JABALPUR	KUNDAM	AQUA	23.34000	80.29000	11/18/2021	13:32:31	D	11.60
20	JABALPUR	MAJHOULI	S-NPP	23.40830	79.96080	11/18/2021	12:46:30	D	8.30
21	JABALPUR	MAJHOULI	S-NPP	23.43290	80.00750	11/18/2021	12:46:30	D	10.10
22	JABALPUR	MAJHOULI	S-NPP	23.43310	80.01060	11/18/2021	12:46:30	D	7.30
23	JABALPUR	MAJHOULI	S-NPP	23.43660	79.97730	11/18/2021	12:46:30	D	8.00
24	JABALPUR	MAJHOULI	S-NPP	23.43670	79.98050	11/18/2021	12:46:30	D	12.20
25	JABALPUR	MAJHOULI	S-NPP	23.44380	80.01380	11/18/2021	12:46:30	D	6.40
26	JABALPUR	MAJHOULI	S-NPP	23.45250	80.05490	11/18/2021	12:46:30	D	3.90
27	JABALPUR	MAJHOULI	S-NPP	23.46720	80.05450	11/18/2021	12:46:30	D	7.20
28	JABALPUR	MAJHOULI	S-NPP	23.48030	79.99910	11/18/2021	12:46:30	D	14.00
29	JABALPUR	MAJHOULI	AQUA	23.39900	79.98300	11/18/2021	13:32:31	D	6.20

30	JABALPUR	MAJHOULI	AQUA	23.42100	80.00900	11/18/2021	13:32:31	D	17.20
31	JABALPUR	MAJHOULI	AQUA	23.42200	79.94900	11/18/2021	13:32:31	D	6.00
32	JABALPUR	MAJHOULI	AQUA	23.44400	79.98000	11/18/2021	13:32:31	D	7.30
33	JABALPUR	MAJHOULI	AQUA	23.44500	79.98900	11/18/2021	13:32:31	D	24.80
34	JABALPUR	MAJHOULI	AQUA	23.46200	80.04700	11/18/2021	13:32:31	D	11.70
35	JABALPUR	MAJHOULI	AQUA	23.55700	79.99400	11/18/2021	13:32:31	D	4.60
36	JABALPUR	PATAN	S-NPP	23.26220	79.72100	11/18/2021	12:46:30	D	9.30
37	JABALPUR	PATAN	S-NPP	23.26460	79.72090	11/18/2021	12:46:30	D	14.70
38	JABALPUR	PATAN	S-NPP	23.27300	79.83400	11/18/2021	12:46:30	D	15.10
39	JABALPUR	PATAN	S-NPP	23.28560	79.80630	11/18/2021	12:46:30	D	6.00
40	JABALPUR	PATAN	S-NPP	23.28620	79.80070	11/18/2021	12:46:30	D	9.90
41	JABALPUR	PATAN	S-NPP	23.33600	79.85400	11/18/2021	12:46:30	D	12.00
42	JABALPUR	PATAN	S-NPP	23.35870	79.79450	11/18/2021	12:46:30	D	6.10
43	JABALPUR	PATAN	AQUA	23.23900	79.76700	11/18/2021	13:32:31	D	5.60
44	JABALPUR	PATAN	AQUA	23.25900	79.71400	11/18/2021	13:32:31	D	6.60
45	JABALPUR	PATAN	AQUA	23.26100	79.72400	11/18/2021	13:32:31	D	18.30
46	JABALPUR	PATAN	AQUA	23.29400	79.76800	11/18/2021	13:32:31	D	5.40
47	JABALPUR	PATAN	AQUA	23.29900	79.73700	11/18/2021	13:32:31	D	5.20
48	JABALPUR	SAHPURA	S-NPP	23.08860	79.80870	11/18/2021	12:46:30	D	4.20
49	JABALPUR	SAHPURA	S-NPP	23.15460	79.66370	11/18/2021	12:46:30	D	5.10
50	JABALPUR	SAHPURA	S-NPP	23.15670	79.66730	11/18/2021	12:46:30	D	8.20
51	JABALPUR	SAHPURA	S-NPP	23.16560	79.76560	11/18/2021	12:46:30	D	7.20
52	JABALPUR	SAHPURA	S-NPP	23.16830	79.76880	11/18/2021	12:46:30	D	3.70
53	JABALPUR	SAHPURA	AQUA	23.16900	79.72500	11/18/2021	13:32:31	D	5.20
54	JABALPUR	SAHPURA	AQUA	23.18400	79.63400	11/18/2021	13:32:31	D	4.20
55	JABALPUR	SAHPURA	AQUA	23.18500	79.64300	11/18/2021	13:32:31	D	4.90
56	JABALPUR	SAHPURA	AQUA	23.19400	79.77000	11/18/2021	13:32:31	D	5.70
57	JABALPUR	SIHORA	S-NPP	23.38200	80.07220	11/18/2021	12:46:30	D	5.80
58	JABALPUR	SIHORA	S-NPP	23.39020	80.08750	11/18/2021	12:46:30	D	5.40
59	JABALPUR	SIHORA	S-NPP	23.39340	80.14990	11/18/2021	12:46:30	D	4.70
60	JABALPUR	SIHORA	S-NPP	23.44090	80.18960	11/18/2021	12:46:30	D	6.70
61	JABALPUR	SIHORA	S-NPP	23.44560	80.18850	11/18/2021	12:46:30	D	3.40
62	JABALPUR	SIHORA	S-NPP	23.46840	80.06000	11/18/2021	12:46:30	D	16.20

63	JABALPUR	SIHORA	AQUA	23.37900	80.10600	11/18/2021	13:32:31	D	4.20
64	JABALPUR	SIHORA	AQUA	23.42400	80.09900	11/18/2021	13:32:31	D	11.90
65	JABALPUR	SIHORA	AQUA	23.43600	80.18700	11/18/2021	13:32:31	D	10.50
66	JABALPUR	SIHORA	AQUA	23.45800	80.21300	11/18/2021	13:32:31	D	8.10
67	JABALPUR	SIHORA	AQUA	23.46400	80.05600	11/18/2021	13:32:31	D	11.80
68	JABALPUR	SIHORA	AQUA	23.50800	80.10900	11/18/2021	13:32:31	D	11.00
69	JABALPUR	SIHORA	AQUA	23.50900	80.11900	11/18/2021	13:32:31	D	8.10
70	KATNI	BAHURIBAND	AQUA	23.61100	79.98500	11/18/2021	13:32:31	D	6.00
71	KATNI	DHIMERKHEDA	AQUA	23.34100	80.30000	11/18/2021	13:32:31	D	5.90
72	KATNI	DHIMERKHEDA	AQUA	23.50700	80.24000	11/18/2021	13:32:31	D	7.30
73	NARSHIMAPURA	GADARWARA	AQUA	22.82500	78.62600	11/18/2021	13:32:31	D	8.40
74	NARSHIMAPURA	GADARWARA	AQUA	22.84900	78.72200	11/18/2021	13:32:31	D	6.60
75	NARSHIMAPURA	GOTECAON	S-NPP	22.98850	79.36660	11/18/2021	12:46:30	D	2.00
76	NARSHIMAPURA	GOTECAON	S-NPP	23.02530	79.54070	11/18/2021	12:46:30	D	4.50
77	NARSHIMAPURA	GOTECAON	S-NPP	23.02700	79.54480	11/18/2021	12:46:30	D	8.30
78	NARSHIMAPURA	GOTECAON	AQUA	22.91800	79.38500	11/18/2021	13:32:31	D	4.60
79	NARSHIMAPURA	GOTECAON	AQUA	23.05800	79.53300	11/18/2021	13:32:31	D	6.30
80	NARSHIMAPURA	KARELI	S-NPP	22.86690	79.16310	11/18/2021	12:46:30	D	1.70
81	RAISEN	BARELI	S-NPP	22.86770	78.12620	11/18/2021	12:46:30	D	3.00
82	RAISEN	BARELI	S-NPP	22.88020	78.25390	11/18/2021	01:36:30	N	0.50
83	RAISEN	BARELI	S-NPP	22.92190	78.04960	11/18/2021	01:36:30	N	1.60
84	RAISEN	BARELI	S-NPP	22.98060	78.27500	11/18/2021	01:36:30	N	0.80
85	RAISEN	BARELI	AQUA	22.95100	78.11300	11/18/2021	13:32:31	D	5.00
86	RAISEN	BARELI	AQUA	22.95300	78.12300	11/18/2021	13:32:31	D	5.40
87	RAISEN	GOHARGANJ	S-NPP	23.02550	77.65610	11/18/2021	12:46:30	D	3.10
88	RAISEN	GOHARGANJ	S-NPP	23.02620	77.65610	11/18/2021	12:46:30	D	2.60
89	RAISEN	GOHARGANJ	AQUA	23.03000	77.66800	11/18/2021	13:32:31	D	5.60
90	RAISEN	GOHARGANJ	AQUA	23.05800	77.48100	11/18/2021	13:32:31	D	7.70
91	RAISEN	GOHARGANJ	AQUA	23.08500	77.55700	11/18/2021	13:32:31	D	7.20
92	REWA	GURH	AQUA	24.48900	81.48000	11/18/2021	13:32:31	D	13.00
93	REWA	HUZUR	S-NPP	24.45990	81.26260	11/18/2021	12:46:30	D	2.80
94	REWA	HUZUR	S-NPP	24.46220	81.26100	11/18/2021	12:46:30	D	2.60
95	SAGAR	SAGAR	S-NPP	23.66710	78.69700	11/18/2021	01:36:30	N	0.40

96	SATNA	AMARPATAN	S-NPP	24.38780	81.20330	11/18/2021	12:46:30	D	9.30
97	SATNA	AMARPATAN	S-NPP	24.40500	81.19920	11/18/2021	12:46:30	D	2.80
98	SATNA	MAIHAR	S-NPP	24.28970	80.78710	11/18/2021	12:46:30	D	2.50
99	SATNA	MAIHAR	S-NPP	24.29410	80.83130	11/18/2021	12:46:30	D	3.30
100	SATNA	MAJHGAWAN	AQUA	24.72000	80.91800	11/18/2021	13:32:31	D	5.50
101	SATNA	NAGOD	S-NPP	24.53090	80.55520	11/18/2021	12:46:30	D	5.80
102	SATNA	NAGOD	S-NPP	24.53290	80.55680	11/18/2021	12:46:30	D	4.50
103	SATNA	NAGOD	S-NPP	24.61920	80.70400	11/18/2021	12:46:30	D	5.50
104	SATNA	NAGOD	S-NPP	24.62840	80.44720	11/18/2021	12:46:30	D	2.60
105	SATNA	NAGOD	AQUA	24.48100	80.57500	11/18/2021	13:32:31	D	14.60
106	SATNA	RAGURAJNAGAR	S-NPP	24.63640	80.67460	11/18/2021	12:46:30	D	3.30
107	SATNA	RAGURAJNAGAR	S-NPP	24.63730	80.77000	11/18/2021	12:46:30	D	2.70
108	SATNA	RAGURAJNAGAR	S-NPP	24.64830	80.64140	11/18/2021	12:46:30	D	3.50
109	SATNA	RAGURAJNAGAR	S-NPP	24.73400	80.73310	11/18/2021	12:46:30	D	4.20
110	SATNA	RAMPURBAGHLEAN	S-NPP	24.43680	81.01570	11/18/2021	12:46:30	D	4.50
111	SATNA	RAMPURBAGHLEAN	S-NPP	24.55600	80.99900	11/18/2021	12:46:30	D	1.80
112	SATNA	RAMPURBAGHLEAN	AQUA	24.57300	81.05100	11/18/2021	13:32:31	D	6.50
113	SATNA	UCHAHAR	S-NPP	24.43070	80.80520	11/18/2021	12:46:30	D	6.90
114	SATNA	UCHAHAR	S-NPP	24.48610	80.76960	11/18/2021	12:46:30	D	8.00
115	SATNA	UCHAHAR	S-NPP	24.53210	80.76840	11/18/2021	12:46:30	D	4.50
116	SEHORE	BUDHNI	S-NPP	22.87440	77.87330	11/18/2021	01:36:30	N	0.40
117	SEHORE	BUDHNI	S-NPP	22.90390	77.92780	11/18/2021	12:46:30	D	2.40
118	SEHORE	BUDHNI	S-NPP	22.91270	77.94170	11/18/2021	12:46:30	D	2.30
119	SEHORE	ICHHAWAR	AQUA	23.02300	77.04200	11/18/2021	13:32:31	D	18.50
120	SEHORE	ICHHAWAR	AQUA	23.04300	77.04900	11/18/2021	13:32:31	D	8.80
121	SEONI	SEONI	S-NPP	22.15920	79.56440	11/18/2021	12:46:30	D	3.80
122	SEONI	SEONI	S-NPP	22.27340	79.44410	11/18/2021	12:46:30	D	1.70
123	SINGRAULI	SINGRAULI	S-NPP	24.13290	82.49450	11/18/2021	12:46:30	D	1.90
124	VIDESHA	VIDESHA	S-NPP	23.62500	77.81660	11/18/2021	12:46:30	D	1.90
125	VIDESHA	VIDESHA	S-NPP	23.62570	77.81520	11/18/2021	12:46:30	D	2.10
126	VIDESHA	VIDESHA	AQUA	23.70600	77.74500	11/18/2021	13:32:31	D	6.10

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

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

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

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