

# ENVIRONMENTAL STATEMENT REPORT

## JAYPEE NIGRIE SUPER THERMAL POWER PLANT

(A Division of M/s Jaiprakash Power Ventures Limited)

Village: Nigrie, Tehsil: Sarai  
District: Singrauli

2020 – 2021

**SUBMITTED**

to

**M.P. POLLUTION CONTROL BOARD  
BHOPAL (M.P.)**

*Jaypee Nigrie Super Thermal Power Plant  
(A Division of Jaiprakash Power Ventures Limited)*

**Factory/Plant in Operation:** Jaypee Nigrie Super Thermal Power Plant at Nigrie.

### **Introduction:**

Jaiprakash Associates Ltd. (JAL), the flagship company of the Jaypee Group. JAL was formed due to merger of Jaiprakash Industries (JIL) and Jaiprakash Cement (JCL). JAL is the Engineering and Construction arm of the Jaypee group focused on development of River Valley and Hydro Electric Projects and a leader in Construction of River Valley and Hydropower Projects on turnkey basis for more than four decades. The company is currently executing various projects in Hydropower / Irrigation / other Infrastructure fields.

Jaiprakash Power Ventures Limited (JPVL) earlier known as Jaiprakash Hydro Power (JHPL), is a part of the Jaypee Group. The Company is engaged in the business of Generation of Power (Hydro & Thermal), Cement Grinding and Captive Coal Mining and Transmission of Power. Besides the 400MW Jaypee Vishnuprayag Hydro Power Plant in Uttarakhand; 500MW Phase I (of 1200 MW) Jaypee Bina Thermal Power Plant in Madhya Pradesh & (2X660 MW) 1320MW Jaypee Nigrie Supercritical Thermal Power Plant in Madhya Pradesh and Amelia (North) Coal Mine in Madhya Pradesh is dedicated Coal Mine to Jaypee Nigrie Super Thermal Power Plant. The Company has a Captive Cement Grinding Unit named 'Jaypee Nigrie Cement Grinding Unit' at Nigrie (M.P.) with a capacity of 2 MTPA, which is utilizing generated Fly Ash from Jaypee Nigrie Super Thermal Power Plant.

Jaypee Nigrie Super Thermal Power Plant is a Coal Based Super Critical Thermal Power Plant of (660 x 2) 1320 MW at Nigrie Village, Sarai Tehsil in Singrauli District of Madhya Pradesh State having adjacent Cement Grinding Unit. Jaypee Nigrie Super (Critical) Thermal Power Plant commenced its operations w.e.f. 3<sup>rd</sup> September, 2014 (Unit # 01) & 24<sup>th</sup> March, 2015 (Unit # 02).

Supply of Super-Critical Boilers was executed by L & T - Power Boilers while the Steam Turbine Generator was sourced from L & T - Power. Boilers installed are with Super-Critical Steam Parameters and with High Efficiency resulting in Less Fuel Consumption and Less Environmental Pollution.

**Features:**

- Greater operating flexibility.
- Improved thermal efficiency.
- Lower emission levels.
- Reduced ash generation.
- Reduced fuel consumption.
- Reduced PM, NO<sub>x</sub> emission.
- Reduction of carbon dioxide emission due to less consumption of fuel.
- Super critical boiler technology will achieve a higher net efficiency level for coal fired power stations. This technology's higher steam temperatures and pressure parameters offer the most economical way to improve plant efficiency and operating flexibility – as well as achieve fuel cost savings and lower emissions for each KWH of electricity.

**Environment:**

Efforts are made to Conserve Ecological Balance without any harm done to the local flora & Fauna. JPVL has also taken Green Initiatives, afforestation, Resources Conservation, Water Conservation, and Air Quality Control & Noise Pollution Control.

**“FORM - V”**

(See rule 14)

**ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING THE  
31<sup>st</sup> March 2021**

**PART - A**

(I)	Name & Address of the Owner / Occupier of the Industry Operation or Process	<b>Jaypee Nigrie Super Thermal Power Plant (JNSTPP) (A Division of Jaiprakash Power Ventures Limited)</b> PO- Nigrie, Distt. Singrauli-486669 Madhya Pradesh
(II)	Industry category Primary - (STC Code) Secondary - (SIC Code)	17 Category / 'RED' Category And Large Scale (Namely Thermal Power Generation Plant), Major
(III)	Production Capacity Unit-I Unit-II	2x660 MW Power Generation
(IV)	Year of Establishment Unit-I Unit-II	Year 2014 Year 2015
(V)	Date of last Environmental Statement Submitted	May, 2020

**PART - B**

**Water & Raw Material Consumption**

**A. Water Consumption - m<sup>3</sup>/day**

(I) Process	-	413.60
Cooling	-	19726.38
Domestic	-	711.00

Name of the Product	Process Water Consumption per unit of Product Output (m <sup>3</sup> /MU) (1 Mu=1000000 KW)	
	During the Previous Financial Year (2019-2020)	During the Current Financial Year (2020-2021)
Electricity	48.12	34.37

**(ii). Raw Material Consumption**

Name of the Raw Material	Name of Product	Consumption of Raw Material per Unit Product Output (MT/MU of Electricity) (1 Mu=1000000 KW)	
		During the Previous Financial Year (2019-2020)	During the Current Financial Year (2020-2021)
Coal	Electricity	580.62	566.14
Fuel Oil (HFO & LDO)		0.1807	0.2684
<b>Chemicals-</b>			
HCl		0.1073	0.1369
H <sub>2</sub> SO <sub>4</sub>		0.0338	0.0259
NaOH		0.0776	0.0444
Ammonia		0.0079	0.0062
Hydrazine		0.00003	0.00001
Alum		0.0247	0.0389
NaOCl		0.0042	0.0083
Hydrogen Gas		0.0014	0.0011
CO <sub>2</sub> Gas		0.0002	0.0001
Chlorine Gas		0.0324	0.0461
Ferric Chloride		0.0138	0.0032
Dolomite		0.0091	0.0012

**Total Electricity Generation MU (1 MU=1000000 KW)**

Name of Product	During Previous Financial Year (19-20) MU	During Current Financial Year (20-21) MU
Electricity	6312.59	8106.40

**PART - C**

**Pollutant Discharged To Environment / Unit of Output**

(Parameters as specified in the consent issued)

S. No.	Pollutants	Quantity of Pollutants Discharged (Mass / day) (Tonnes/day)	Concentrations of Pollutants in discharged (Mass / Volume) (mg/Nm3)	Percentage of variation from prescribed standard with reasons
(a)	<b>Water</b>			
(i)	<b>Domestic</b>	Zero discharge is being maintained and treated domestic waste water is being used in Horticulture & Green belt development.		
(ii)	<b>Industrial</b>	Zero discharge is being maintained. Treated waste water is reused in Cooling Water makeup & sprinkling in coal handling plant.		
(b)	<b>Air</b>			
	Monitoring of Ambient Air Quality parameters within limits and report attached as <b>Annexure- I</b>			
	<b>Stack emission</b>			
	<b>(a) ESPs</b>			
	Stack-I (Unit-I) Parameter - PM	2.549	37.56	Within permissible limit
	Stack-II (Unit-II) Parameter - PM	2.828	41.66	Within permissible limit

**PART - D**

**Hazardous Wastes**

As specified under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016

Hazardous Waste		Total Quantity (Kg)					
		During the Previous Financial Year (2019-2020)			During the Current Financial Year (2020-2021)		
(a)	From Process	Used oil	Waste oil	Resins	Used oil	Waste oil	Resins
		13,300 kg	Nil	Nil	15,100 kg	Nil	Nil
(b)	From Pollution Control Facilities.	NA			NA		

**PART - E**

**Solid Wastes**

Solid Waste		Total Quantity	
		During the Previous Financial Year (2019-2020)	During the Current Financial Year (2020-2021)
(a)	From Process	Bottom Ash (2,08,700 MT)	Bottom Ash (2,87,981 MT)
(b)	From Pollution Control facilities	Fly Ash (9,92,886 MT) All the collected material is utilized in manufacturing of PPC and Fly Ash Bricks.	Fly Ash (11,51,925 MT) All the collected material is utilized in manufacturing of PPC and Fly Ash Bricks.

)	(i) Qty. recycled or reutilised within the unit.		Fly Ash (10,178 MT) (Utilized in adjacent Cement Grinding unit of Jaypee Nigrie)
	(ii) Sold	9,92,886 MT of Fly Ash utilized by Cement Manufacturers & Brick Manufacturers (100% Fly Ash is being utilized.)	9,67,058.17 MT of Fly Ash utilized by Cement Manufacturers & Brick Manufacturers (100% Fly Ash is being utilized.)
	(iii) Disposed	Bottom Ash (2,08,700 MT) is disposed in Ash Pond. 3,23,704 MT of Pond Ash used by Cement Manufacturers & Brick Manufacturers & Low Lying Area filling within the Plant Boundary as per the Approval of MPPCB, H.O., Bhopal vide Letter No. क्रमांक / 225 / तक-सीई -2/ PCB/ 2019 भोपाल दिनांक 27-01-2020.	Bottom Ash (2,87,981 MT) is disposed in Ash Pond. 4,63,264.20 MT of Pond Ash used by Cement Manufacturers & Brick Manufacturers & Low Lying Area filling within the Plant Boundary as per the Approval of MPPCB, H.O., Bhopal vide Letter No. क्रमांक / 225 / तक-सीई -2/ PCB/ 2019 भोपाल दिनांक 27-01-2020.

#### PART - F

**PLEASE SPECIFY THE CHARACTERISATIONS (IN TERMS OF COMPOSITION AND QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES.**

**Hazardous waste:** Generated Haz. Waste is being stored under covered shed at an isolated covered place; the floor is concreted & persons working at site have been provided with all required PPEs. From there the stored hazardous waste is being sold out to authorized recyclers.

15.10 MT of Used Oil has been sold out to the Authorized Recycler during 2020-2021.



**Solid waste:** Fly Ash & Bottom Ash are being generated in form of solid waste from Jaypee Nigrie Super Thermal Power Plant for which suitable provisions are made for its use.

- Fly Ash is being consumed by its adjacent Jaypee Nigrie Cement Grinding Unit & rest is transported to nearby Cement Plants (Jaypee Rewa, PCL Satna, Birla Corp Satna, KJS Maihar, VTC Maihar & UTCL, Bhagwar & UTCL, Bela and Other Brick manufacturing Units) for manufacturing of PPC and manufacturing of fly ash bricks.
- **Ash Water Recirculation System & Clarifier System:-**  
The Bottom ash slurry is being disposed through ash slurry pumps to ash dyke. In the ash dyke ash particles settles and the ash water is recovered from the dyke for re-circulation/re-use. The ash water flows from ash dyke to ash water recovery system. In the recovery system the ash water from the ash dyke is received at stilling chamber and pumped to flash mixer where required coagulants are being added. The water from the flash mixer flows to the clariflocculator where contaminated ash sludge being separated and the clear water from the clarifier pumped back to ash water sump for re-use.
- Ash Ponds are lined with fine sand then HDPE (1 mm thickness) lining and over that PCC. Bottom Ash will also be suitably utilized after drying to meet the stipulation of Fly ash Notifications.



Ash Dyke Pond

## PART - G

### IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION.

Following measures have been adopted for abatement of pollution, conservation of natural resources:-

**a) Utilization of Fly Ash for the manufacturing of cement:**

JNSTPP having capacity of 2 x 660 MW has the potential to generate 1.477 MTPA (Fly ash = 1.177 MTPA & Bottom Ash 0.30 MTPA). Generated Fly ash is consumed in adjacent Jaypee Nigrie Cement Grinding Unit & rest is transported to nearby Cement Plants (Jaypee Rewa, PCL Satna, Birla Corp Satna, KJS Maihar, VTC Maihar & Other Brick manufacturing Unit) for manufacturing of PPC and manufacturing of fly ash bricks. - **This has resulted into Top Soil Conservation.**

**b) Installation of Sewage Treatment Plant & Effluent Treatment Plant (ETP):** Adequate facilities for treatment of industrial waste water including blow down from Cooling Towers. The waste water is treated in the ETP with UF & RO system and the quality of treated water conforms to MPPCB standards as given in Consent Order and reused in makeup of condenser cooling water & dust suppression in CHP. Sewage Treatment Plant of 1000 KLD in Township & 100 KLD in Plant area have been installed and treated water is used for horticulture. - **This has resulted into Water Conservation.**

# 1000 KLD Sewage Treatment Plant



## Waste water Treatment Plant (ETP)



**c). Installation of APCDs at various sources:**

Highly efficient Electrostatic Precipitators (ESPs) with efficiency of 99.93% have been installed for each boiler to meet particulate emission less than 50 mg/Nm<sup>3</sup> with one field out of service at full load with worst coal. The ESP's engineering, supply and erection & commissioning work is done by M/s. BHEL (A Govt. of India Undertaking). Each ESP has six passes and each pass is having 16 fields (i.e. total 96 fields). We have installed 10 no. of bag filters at various point sources to control the fugitive emission.



**Photograph of ESP**

**d) Online Monitoring system:**

- ✓ Four Continuous Ambient Air Quality Monitoring Stations (Online/Real Time) are provided along the boundary considering the wind rose/wind directions of PM 10, PM 2.5, SO<sub>2</sub>, NO<sub>x</sub> & CO and the total data of the CAAQMS are connected with MPPCB server at Bhopal & CPCB server at Delhi.
  
- ✓ Online Continuous Emission Monitoring Analyzers installed to Monitor Emissions (PM, SO<sub>2</sub> & NO<sub>x</sub> & Hg) for both boiler stacks and data is being transmitted to MPPCB & CPCB servers, and the results are well within the Norms.

CAAQMS Photographs



CEMS Photographs



Photo of CAAQMs & CEMS

**e). Installation of Water Sprinkling Systems:**

Water spraying arrangements are made for control of fugitive emissions from Coal Handling Plant and other areas by installation of Water Sprinklers.



**Photograph of sprinkler at coal stacker**

**f). Noise Pollution Abatement Measures:**

Provision of Acoustic Enclosures at Turbines & other Machineries to attenuate Noise Levels. Acoustic Enclosures of Machines have been provided to control Noise Levels.

**g). Good housekeeping practice adopted:**

Following measures have been taken for good housekeeping.

- The conveyor belts are fully covered.
- Scheduled maintenance of Pollution Control Devices is carried out.
- Coal Wagon bottom unloading System is installed.

Further the Company has obtained IMS - Integrated Management System Certificate covering ISO 9001:2015 (QMS – Quality Management System), ISO 14001:2015 (EMS - Environmental Management Systems) & ISO 45001:2007 (OHSAS - Occupational Health and Safety Assessment Series).



**CHP and covered conveyer belts**



**Coal wagon unloading system**

## **PART - H**

### **ADDITIONAL MEASURES / INVESTMENT PROPOSALS FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT POLLUTION, PREVENTION OF POLLUTION.**

**Additional measures taken for Environmental Protection are as under:**

#### **Extensive plantation in and around the Plant:**

We have a dedicated team of skilled horticulturists for the Afforestation and greenery development program at our plant under the supervision of senior experienced person. More than 33% of the area in and around the Power plant has been developed with green belt as per the CPCB guidelines. Total number of Plants Planted up to 31.03.2021 is

approximately 4.705 lakhs in 144.21 ha. (which includes cement Grinding Unit also). During this FY (April, 2020 – March, 2021) total of 0.5 lakhs of Trees have been planted.

**Steps taken to protect plantation:**

1. Barricading provided for protection of plants.
2. Two numbers of dedicated water tankers are provided for regular watering of plants.
3. Dedicated manpower is provided for regular watering & care of plants.
4. Tree Guards are provided for protection of the plants.



**PART - I**

**ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT.**

**Water Harvesting Measures:**

A surface water body is constructed in the township area for rain water harvesting.





**Establishment of Environment Laboratory:**

Environment Laboratory has been set up with well equipped facilities such as water & waste water testing instruments as well Air Quality Monitoring instruments.



**Environment Cell**

**Concreting of Roads:**

All internal roads in plant & township area are made Pucca.



**CSR works:**

- A separate budget earmarked for CSR activities. CSR study report already submitted to the ministry vide letter no. - JPVL/JNSTPP/MOEF/2010 dated 20.01.2011 and 29.06.2011.
- For CSR activities capital outlay of more than Rs. 24 crores has been made.
- The company is carrying out CSR activities in the vicinity of the Project as per the directions and guidance of the District Administration.
- Providing drinking water facility benefitting to the nearby villages (Nigrie, Niwas, katai & Hardi & Mahua Ganv and Chamrach and Joba).
- Unit is also investing on CSR Activities on Rural Development Projects like Plantation programs (Nigrie, Niwas, katai & Hardi & Mahua Ganv and Joba), Road development activities (Nigrie), women empowerment & providing furniture/building material to local offices (Aanganbari Kendr, Nigrie, Niwas & police Department, Thane: Sarai), Promotion of Safety/Cultural/ sports in Rural Areas/villages (Nigrie, Niwas), Construction of Temples in Papal Gaon, katai, Niwas & Restoration of Ponds in Katai, Niwas, Nigrie & Contribution of Diasaster Management and Promoting Education through Sardar Patel School under Jaiprakash Sewa Sansthan & Jay Jyoti School under Jaiprakash Sewa Sansthan & Gopad Viklang Sikasha Vikas Samiti, Village-Katai.
- Total expenditure incurred up to March, 2021 is Rs 4.967 Crores.
- Based on Need Base Assessment Study for development of nearby villages, an action plan was worked out for income generating projects for up-liftment of poor section of society.

**The following activities were undertaken:**

- Sardar Patel Uchchar Madhyamik Vidyalaya started for up to class five w.e.f. July, 2011 and subsequently upgraded up to 10th class in July'2016 session.
- Free Education & Free Mid Day Meals provided to the children of affected village Nigrie & Sardar patel School, Nigrie.
- Free Health Check Up & Health cards provided to the 245 students.

- Roads have been laid down in Nigrie Village & free electricity supply to the Street Lights is provided in R & R Colony.
- Restoration & Refurbishment of water reservoirs & ponds taken place in nearby villages (Gambhira Talab & Bandhwatara Talab, Katai).
- Providing Mobile Hospital & Ambulance Service to affected villages (Nigrie, Niwas, katai & Hardi & Mahua Ganv and Chamrach and Joba).
- An Average of 3376 patients are being benefited every month by the Primary Health Center.
- A Dispensary was also setup in R & R colony. An Average of 643 patients are being benefited every month.

**“Trasform Singrauli” Project under Indian government and MP Government:-**

- Provided Free Medical Checkup facility & Free Medicines in Nigrie, Niwas, katai & Hardi & Mahua Ganv and Chamrach Villages.
- Continual supply of Protein Powder, Iron Syrups & Jaggery and Horse Gram to about 224 Pregnant Women in above mentioned 6 villages.
- Multi Vitamin Drops & Zinc Drops have been provided to Malnourished Babies in the villages.
- Established/Started Kuteer Udyog, Training Centre for Stitching and honey bee keeping.
- Groceries, Nose maks have been distributed in the villages nearby project area to protect villagers from COVID-19 Pandemic Disease.
- Expenditure incurred on “Trasform Singrauli” in FY 2020 - 21 is 7.42 Lakhs.

**Swatch Bharath Mission:-**

- 2500 Fruit Yielding plants have been planted through Gram Panachayath in 6 villages.
- Provided Utensil (Bartan) for Gopad Viklang Samiti.

**Hindi Medium School - Free Education for nearby villagers:**



**Free Medical Camps:-**



**Free Medicines to all nearby Villagers:-**

A 10 bed hospital is functional for medical check-up and treatment to the local habitats for the surrounding 10 villages. Almost 200 people avail the Medical facilities daily.



**For Jaypee Nigrie Super Thermal Power Plant,  
(A Division of Jaiprakash Power Ventures Ltd)**

A handwritten signature in black ink, appearing to read 'Vinod Sharma'.

**(Vinod Sharma)**

**Sr. President (O & M)**

Sr. President

Jaypee Nigrie Super Thermal Power Plant Nigrie  
(A Unit of Jaiprakash Power Ventures Ltd.)  
Singrauli 486669 (M.P.)

**JAYPEE NIGRIE SUPER THERMAL POWER PLANT**  
(A Division of Jaiprakash Power Ventures Limited)

**AMBIENT AIR QUALITY MONITORING REPORT**

Period : April, 2020 - March 2021

Near STP - Colony Area						
Month	Particulars	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )
Apr-20	Monthly Average	23.3	54.0	5.2	10.7	0.475
May-20		23.9	53.5	6.3	11.1	0.463
Jun-20		18.8	46.5	7.5	10.6	0.486
Jul-20		13.4	30.9	4.8	10.3	0.313
Aug-20		13.8	30.1	5.4	10.2	0.349
Sep-20		17.7	37.6	6.2	11.7	0.440
Oct-20		22.2	47.2	5.9	12.5	0.431
Nov-20		19.1	42.2	5.6	12.0	0.437
Dec-20		19.4	43.4	5.2	11.6	0.428
Jan-21		15.8	38.5	4.2	10.5	0.372
Feb-21		18.6	41.9	5.4	10.6	0.368
Mar-21		22.3	48.5	6.4	10.7	0.449
Near H <sub>2</sub> Gas Cylinder Shed						
Month	Particulars	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )
Apr-20	Monthly Average	30.3	66.1	9.2	13.2	0.582
May-20		23.6	58.1	8.4	13.0	0.539
Jun-20		28.8	61.4	10.1	16.5	0.531
Jul-20		18.6	39.9	7.7	14.4	0.566
Aug-20		16.6	40.6	6.8	12.4	0.489
Sep-20		18.6	41.1	7.5	13.1	0.577
Oct-20		28.6	56.5	7.4	14.2	0.561
Nov-20		26.0	55.2	7.9	13.7	0.547
Dec-20		29.2	59.1	9.8	13.3	0.557
Jan-21		24.9	54.6	6.8	12.7	0.509
Feb-21		24.2	51.7	8.0	13.2	0.470
Mar-21		30.4	60.8	9.6	13.9	0.567
Near Watch Tower 22 (Cement Grinding Unit)						
Month	Particulars	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )
Apr-20	Monthly Average	32.1	69.1	7.8	13.0	0.724
May-20		29.0	61.5	9.5	12.4	0.620
Jun-20		21.4	52.2	8.9	15.4	0.529
Jul-20		21.1	45.8	7.4	12.7	0.402
Aug-20		18.1	42.4	6.5	12.1	0.461
Sep-20		27.4	60.4	6.7	15.0	0.546
Oct-20		33.4	68.0	7.9	14.9	0.535
Nov-20		30.2	62.3	7.8	14.3	0.603
Dec-20		27.7	61.0	7.5	14.6	0.589
Jan-21		29.3	60.2	6.6	14.3	0.508
Feb-21		25.6	55.2	6.6	11.9	0.520
Mar-21		31.2	63.0	7.8	13.8	0.540
Near Fuel Storage Tank						
Month	Particulars	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )
Apr-20	Monthly Average	32.9	64.9	7.7	13.7	0.677
May-20		29.7	61.8	8.1	13.8	0.654
Jun-20		33.6	67.1	10.1	15.9	0.748
Jul-20		21.7	45.7	6.9	14.6	0.542
Aug-20		18.9	44.7	7.1	13.9	0.601
Sep-20		23.6	52.3	7.0	14.8	0.642
Oct-20		32.5	65.4	7.8	14.5	0.619
Nov-20		30.2	65.9	7.3	14.0	0.582
Dec-20		31.9	67.1	8.5	14.7	0.634
Jan-21		28.8	59.3	7.2	13.6	0.566
Feb-21		30.0	60.9	8.1	13.4	0.582
Mar-21		37.6	68.9	7.9	14.8	0.564