

Year of Establishment: January, 2018

JAWAHAR LAL NEHRU KRISHI VISHWA VIDYALAYA, JABALPUR, M.P.



DISTRICT PROFILE OF SINGRAULI (M.P)



KRISHI VIGYAN KENDRA, SINGRAULI

**Indian Council of Agricultural Research,
New Delhi**

History of Singrauli District

Singrauli district came into existence on 24 May 2008, with its headquarters at Waidhan. It was formed by separating three tehsils of the erstwhile Sidhi district: Singrauli, Deosar and Chitrangi. The area in the eastern part of the state of Madhya Pradesh and the adjoining southern part of Sonebhadra district in the state of UP is collectively known as Singrauli. Singrauli is emerging as India's energy capital. The place earlier known as Shringavali, named after the sage Shringi, was once covered with dense and unnavigable forests and inhabited by wild animals. The place was considered so treacherous that it was used by the kings of Rewa State, who ruled the area till 1947, as an open air prison for detaining errant civilians and officers.

Just two generations ago, smallholders were tending their parcels of land here, and the original inhabitants were gathering honey and herbs in the forest. In the late fifties, a large scale dam banked up the water of the River Rihand. The dam known as Govind Vallabh Pant Sagar was inaugurated by Pt. Jawahar Lal Nehru in 1962. Later, rich coal deposits spread over an area of 2200 km² in the state of M.P. (Singrauli) and U.P. (southern part of Sonebhadra District) were discovered close to the artificial lake that could be used to generate electricity

On 24 May 2008, Madhya Pradesh government declared Singrauli as its 50th district by separating from Sidhi with 3 tehsils, Singrauli, Chitrangi and Deosar. On 1 April 2012 two new tehsils were added, Mada and Sarai.

Background Information of Singrauli

Particulars	Singrauli District
Longitude	⁰ 81° 52' 40.0" to ⁰ 82° 48' 30"
Latitude	⁰ 24° 42' 41.7" to ⁰ 24° 42' 49.0"
Mean Sea Level (meter)	609

Month wise Climatic information of Singrauli District

Particulars	Month												Average
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	
Avg. Rainfall (mm)	27	18.4	13.2	3.4	8.8	133.5	338.2	325.3	211.8	33.4	12.1	7.7	1132.7
Max. Temp.(°C)	24.3	27.6	33.4	39.1	42.0	39.2	32.9	31.7	32.3	32.6	29.5	25.3	32.5
Min. Temp. (°C)	8.1	10.8	15.5	21.5	25.8	27.5	25.1	24.8	23.8	19.4	13.0	8.3	18.6
RH(%)	76	68	51	38	35	58	83	85	82	73	69	74	66
Wind Speed (km/h)	2.1	2.7	3.3	4.5	5.1	6.5	5.3	4.5	3.9	2.4	1.8	1.6	3.6

Demographic Information of Singrauli District

Total Population	11,78,132
No. of House hold	243925
ST Population (%)	12.79
SC Population (%)	32.59
Urban Population (%)	19.25
Rural population(%)	80.75
Literacy (%)	62.36
Population Growth rate (decade 2001 to 2011)(%)	28.03
Population Density (No./ Km ²)	208
Sex Ratio	916

Basic information of Singrauli District

Geographical area (ha)	567200
No. of Tahsil	05
No. of Block	03
No. of Gram Panchyat	316
No. of Village	816

Geomorphology

Singrauli district is divided into three major Physiographic Units viz. Kaimur Range, Central Part, Southern Part with Son River, Gopad River, Rihand River are major drainage source of the district.

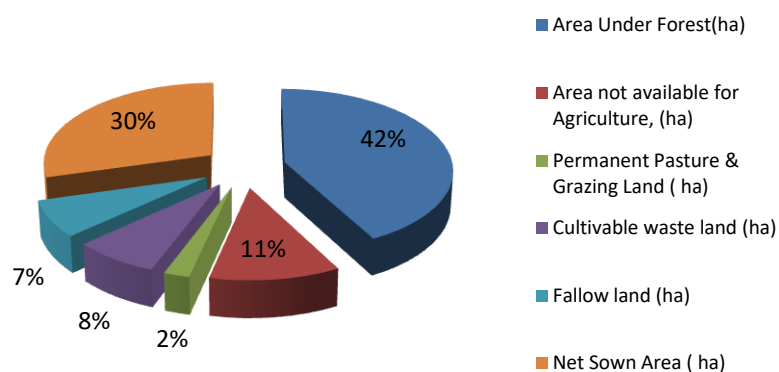
Soil Types of Singrauli District (Pedology) :

The Singrauli District is generally covered with Alluvial soil, red Sandy soil and yellow loamy Sandy soil, laterite soil and red loam soil. The district comprises sedimentary, crystalline and metamorphic rocks, weather into red soil. Similarly the red colour of the laterite soil is more due to diffusion of Iron compounds rather than due to high proportion of Iron oxides. The alluvial soil is mostly restricted by along the banks of major rivers, whose thickness varies from few meters to 25 meters.

Land Use Pattern of Singrauli District

Total Geographical Area (ha)	5,67,722
Area Under Forest(ha)	2,39,574
Area not available for Agriculture, (ha)	64,261
Permanent Pasture & Grazing Land (ha)	12,754
Cultivable waste land (ha)	42,516
Fallow land (ha)	41,552

Land Use Pattern



General Agricultural Information of the District

Total geographical area	567722,ha
Net cultivated area	1,67,061, ha
Area under Kharif	1,49,250,ha
Area under Rabi	1,11,650, ha
Double cropped area	59803,ha
Cropping intensity	157.32 %
Irrigated Area	28.21%
Area Under Fruits	6183, ha
Area Under Vegetables	7663,ha
Area Under Spices	1672, ha
Area Under Flowers & Medicinal Plants	243, ha

Category wise farmers of Singrauli District

Farmers Category	Number	% age of the Total farmers
Marginal (<1 , ha)	137435	70
Small (1-2, ha)	46145	24
Medium & Large (>2, ha)	12470	6
Total	196050	100

Irrigation Status by different source in District

Source of Irrigation	Irrigated by different Sources	
	Area(ha)	% age of total irrigated area
Open wells	17061	36
Tube well	9723	21
Canal	9749	21
Ponds	879	2
Other Sources	9353	20
Total Irrigated area (ha)	46765	100

Area and Productivity of Major Crops of the Singrauli District (17-18)

Kharif Crop (149250, ha)				Rabi Crops (111650 , ha)		
S.No	Crop	Area (000,ha)	Yield (Kg/ ha)	Crop	Area (000,ha)	Yield (Kg/ ha)
01	Paddy	46.12	3684	Wheat	39.10	2447
02	Maize	27.53	1616	Gram	28.00	1269
03	Pigeon pea	24.03	720	Barley	15.50	1584
04	Sesame	14.17	403	Linseed	6.68	493
05	Black gram	7.81	531	Mustard	9.26	600
06	Kodo-Kutaki	15.90	567	Lentil	5.5	794
07	Jowar	6.00	1367			

Area and Productivity of Vegetable Crops of the Singrauli District

S.No.	Crops	Area (ha)	Yield (tones /ha)	S.No.	Crops	Area (ha)	Yield (tones /ha)
01	Potato	2752	26.00	07	Cole crops	919	26.95
02	Sweet Potato	112	16.70	08	Colocasia	198	8.70
03	Onion	1432	21.10	09	Green Peas	231	8.60
04	Tomato	715	23.70	10	Cucurbits	269	11.01
05	Okra	73	9.90	11	Raddish	196	12.50
06	Brinjal	302	23.50	12	Other Vegetables	464	20.00

Area and Productivity of Fruit Crops of the Singrauli District

S.No.	Crops	Area (ha)	Yield (tonnes/ha)	S.No.	Crops	Area (ha)	Yield (tonnes/ ha)
01	Mango	2195	11.50	06	Jackfruit	236	17.10
02	Guava	1142	16.10	07	Custard apple	90	8.5
03	Aonla	1648	18.9	08	Water melon	89	8.7
04	Papaya	90	40.0	09	Muskmelon	78	7.5
05	Ber	96	7.45	10	Others	103	9.81

Area and Productivity of Spice Crops of the Singrauli District

S.No.	Crops	Area (ha)	Yield (tonnes/ha)	S.No.	Crops	Area (ha)	Yield (tonnes/ha)
01	Dry red chilly	225	1.60	05	Turmeric	83	16.60
02	Green Chilly	478	6.18	06	Coriander leaf	237	1.80
03	Ginger	222	13.90	07	Coriander	266	1.00
04	Garlic	127	11.10	08	Fenugreek	34	1.80

Status of Floriculture and Medicinal Plants in Singrauli District

Floriculture				Medicinal Plants			
S.No.	Crops	Area (ha)	Yield (tonnes/ha)	S.No.	Crops	Area (ha)	Yield (tonnes/ha)
01	Marigold	42	2.55	05	Withania somnifera	24	2.0
02	Rose	29	1.85	06	Chandrasoor	18	2.0
03	Tuberose	22	2.10	07	Tulsi	23	1.79
04	Gladiolus	18	2.35	08	Kalmegh	46	1.80

Livestock Status in Singrauli District (875011)

Livestock's	Population	% age	Product	Quantity
Cattle(No.)	544871	62.27	Milk	198.89 (000, lit.)
Buffalo (No.)	80167	9.16		
Goat (No.)	231458	26.45	Meat	8000 (qt.)
Sheep (No.)	7306	0.83		
Pig (No.)	3116	0.35		
Other (No.)	8090	0.92		

Poultry & Duck Population(1,60,313) in District

Bird's	Population	% age	Product	Quantity
Layers (No.)	34,554	23	Egg	96.75 (Lakh)
Broilers (No.)	1,21,212	76		
Duck (No.)	2,491	01	Meat	725.0 (qt.)

Status of Fisheries in Singrauli District

Source	No.	Area(ha)	Production (tones)	Productivity (kg/ha)
Ponds	719	865.112	855.50	989.0
Irrigation water bodies	20	727.298	59.50	81.0
Total		2507.41	915.0	364.91

Contribution of Different Agricultural Commodities in terms of Rupees at Current Prices

Agri - Enterprises	Income (Rs.in Lakh)	Agri - Enterprises	Income (Rs.in Lakh)	Agri - Enterprises	Income (Rs.in Lakh)
Crop Production	74802.18	Horticulture	12098.78	Flowers	49.85
Vegetables	12795.54	Spices, Flowers & Medicinal plants	291.67	Milk Production	49722.50
Meat	2400.0	Egg	876.75	Fisheries	50.00

Contribution of different agri commodities in term of Rupees at current market price

