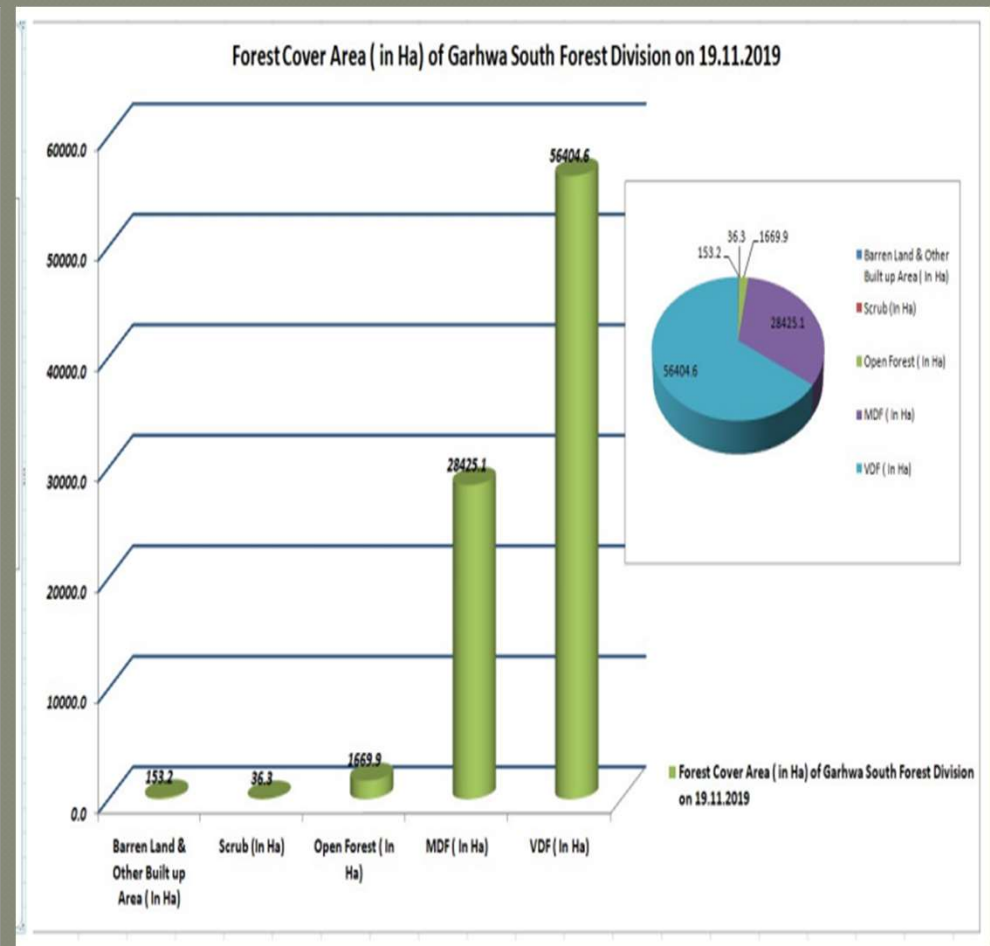
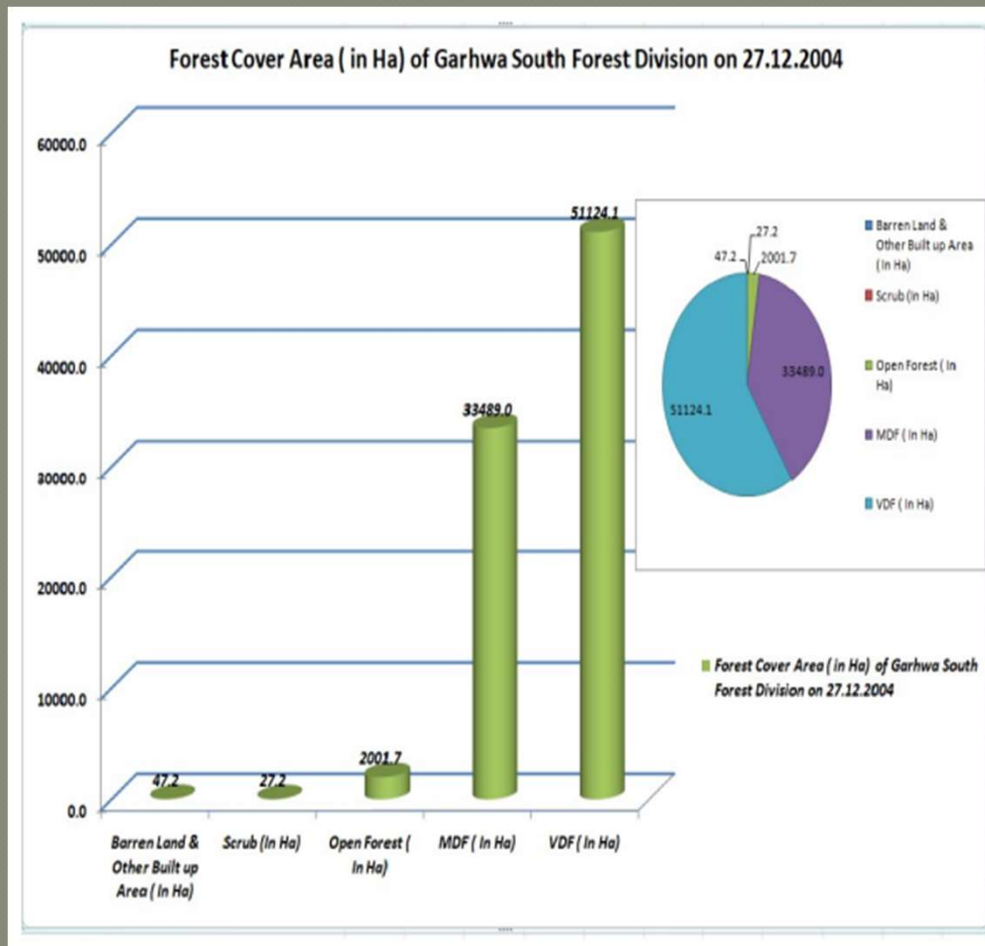


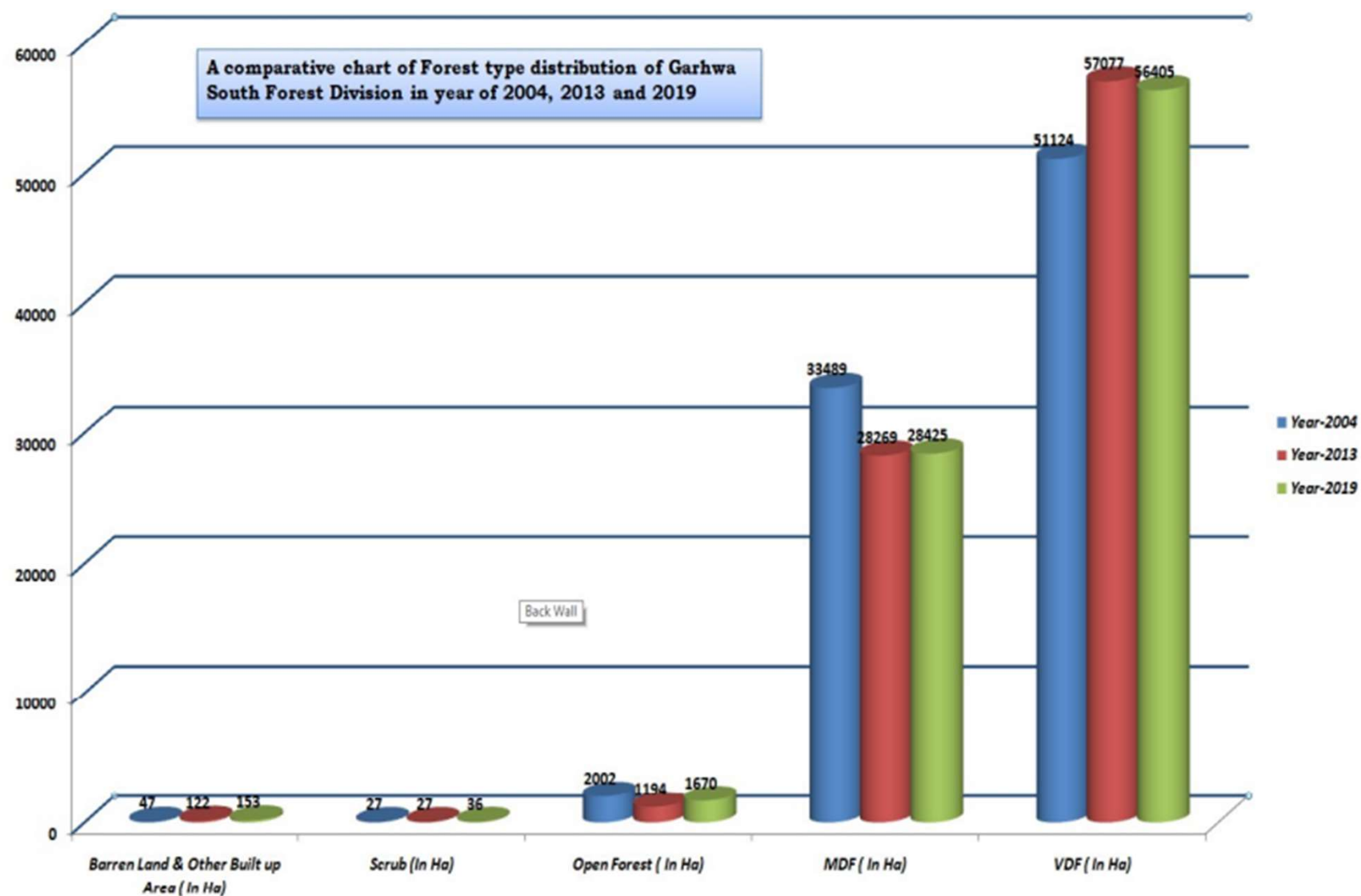
Garhwa South Forest Division.

Innovation/ Best Practices

PPT by D.F.O.,
Garhwa South Forest Division.

➤ Change in Forest Cover of Garhwa South Forest Division during the last working Plan Period (2004-05 to 2019-20)





Forest Cover Change Matrix of Garhwa South Forest Division From Year 2004 to Year 2019

Source of the Data:-

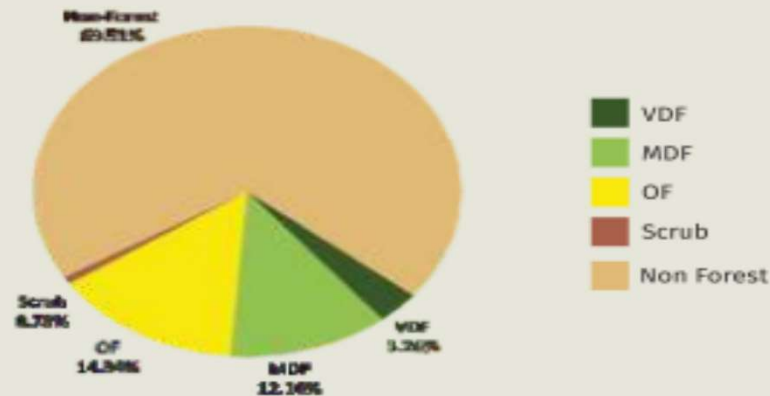
Landsat-8 Image dated 19.11.2019 and Landsat -5 Image dated 27.12.2004

Year 2019						
Year 2004	Change from One Forest Type to Another Matrix	Barren land and Other Built up Area(in Ha)	Scrub (in Ha)	Open Forest (in Ha)	MDF (in Ha)	VDF (in Ha)
	Barren land and Other Built up Area(in Ha)	38.3	3.7	4.6	0.6	0.0
	Scrub (in Ha)	12.1	6.4	7.3	1.3	0.0
	Open Forest (in Ha)	69.1	15.8	589.8	1209.0	118.0
	MDF (in Ha)	32.6	9.3	960.2	21818.8	10668.1
	VDF (in Ha)	0.5	0.9	107.7	5395.7	45619.4
		152.6	36.1	1669.6	28425.5	56405.4
Sl.No	Description	Change in Area (in Ha)		Change in Area (in %)		
1	Total Change Reported from any forest type to any other forest type	18616.4		21.5		
2	Change in Positive Direction	12012.5		13.9		
3	Change in Negative Direction	6603.9		7.6		
4	No Change Reported in forest type	68072.7		78.5		

13.11.1 Forest Cover

Indian State of Forest Report 2021

Figure 13.11.1
Forest Cover
of Jharkhand



**Table 13.11.2 Forest Cover
of Jharkhand** (in sq km)

Class	Area	% of GA
VDF	2,601.05	3.26
MDF	9,688.91	12.16
OF	11,431.18	14.34
Total	23,721.14	29.76
Scrub	584.20	0.73

Table 13.11.3 District- wise Forest Cover in Jharkhand

(in sq km)

District	Geo-graphical Area (GA)	2021 Assessment				%of GA	Change wrt 2019 assess- ment	Scrub
		Very Dense Forest	Mod. Dense Forest	Open Forest	Total			
Bokaro	2,883	60.99	231.94	283.07	576.00	19.98	2.45	37.95
Chatra	3,718	244.28	871.73	666.08	1,782.09	47.93	4.74	23.57
Deoghar ^T	2,477	0.00	14.30	191.50	205.80	8.31	2.09	14.04
Dhanbad	2,040	0.00	44.00	174.18	218.18	10.70	4.67	16.05
Dumka ^T	3,761	0.00	259.40	318.23	577.63	15.36	0.32	44.55
East Singhbhum ^T	3,562	54.81	591.69	434.19	1,080.69	30.34	1.31	20.91
Garhwa ^T	4,093	125.14	415.60	890.98	1,431.72	34.98	40.13	44.32
Giridih	4,962	77.16	338.56	490.19	905.91	18.26	4.67	28.92
Godda ^T	2,266	12.81	271.88	138.66	423.35	18.68	0.00	14.27
Gumla ^T	5,360	304.69	585.81	552.65	1,443.15	26.92	0.89	8.2

Two main observations

Total Demarcated area- 86689.1 Ha.

- Very dense forest (VDF) :- increased from 51124.1 hectares (in 2004) to 56404.6 hectares (in 2019)
ie an increase of 5280.5 hectares.
- Open forest decreased from 2001.7 ha (2004) to 1669.9 ha (in 2019) ie decrease of 331.8 hectares.

Some examples of practices which enriched the forests of Garhwa South Forest Division are

- ➡ Soil & Moisture Conservation Works
- ➡ Silviculture Work & plantation work done in last few year.
- ➡ Block Plantation.

Soil & Moisture Conseration.

- (a) L.B.S (Loose Bolder Structure**
- (b) Farm Ponds**
- (c) Check Dam**
- (d) DCT, WAT & Medbandhi**

Soil & Moisture Conservation Work.

(a) LBS (Loose Boulder Structure)- 530 no.
(Size- 5 M X 6 Feet (avarage) x 3 Feet)





Front View of One LBS



Top View of One LBS

Soil & Moisture Conservation Work.

(b) Farm Ponds.

(Size- 100 Feet x 100 Feet X 10 Feet)



2021/08/06 10:49

Sarswatiya Nala Bhandriya- (2020-21)



Latitude: 23.767515
Longitude: 83.777132

Elevation: 516.96m

Accuracy: 1.4m

Time: 07-07-2020 17:13

Note: watershed:- maduwa nala

activity:- new pond

village:- saraidih

beneficiary:- Manoj lakda

Maduwa Nala Bhandriya- (2020-21)

Powered by NoteCam



REDMI NOTE 9
AI QUAD CAMERA

जलसंधारण जलध्यान मिशन ग्रामीण विकास विभाग राँची
पारियोजना का नाम- IMWP-6(2013-14)
जलध्यान समिति का नाम- सरसतिया नाला- II
जलध्यान समिति का कोड- 2A6C7b2C
गतिविधि का नाम- तलाब निर्माण
लाभक का नाम- जोहन तिकी
प्राप्तित राशि - 297800/-
ग्राम/टोला - जमौती
पी० आर्दे० ए० का नाम- वन प्रमण्डल पदाधिकारी राँची
दक्षिणी तलाब



REDMI NOTE 9
AI QUAD CAMERA

Khajuri Bhandriya

Soil & Moisture Conservation Work.

(C) Checkdam.

(Size- 200 Feet x 35 Feet (avg. X 10 Feet)



Chirka check dam- 2013-14





Manjari check dam- 2020-21

Soil & Moisture Conservation Work.

(d) DCT (Deep Contour Trench) and WAT (Water Absorption Tank) & Medbandhi.



WAT - 2020-21 Bhandriya Range.



DCT - 2020-21 Bhandriya Range.



Latitude: 23.724543
Longitude: 83.780703
Elevation: 511.78m
Accuracy: 1.4m
Time: 06-25-2020 14:01
Note: watershed: RENGHWA NALA 2
activity: EFB
village: Kanjiya
benefit:

Medbandi – 2020-21 Khajuri Kanjiya, Bhandriya Range.

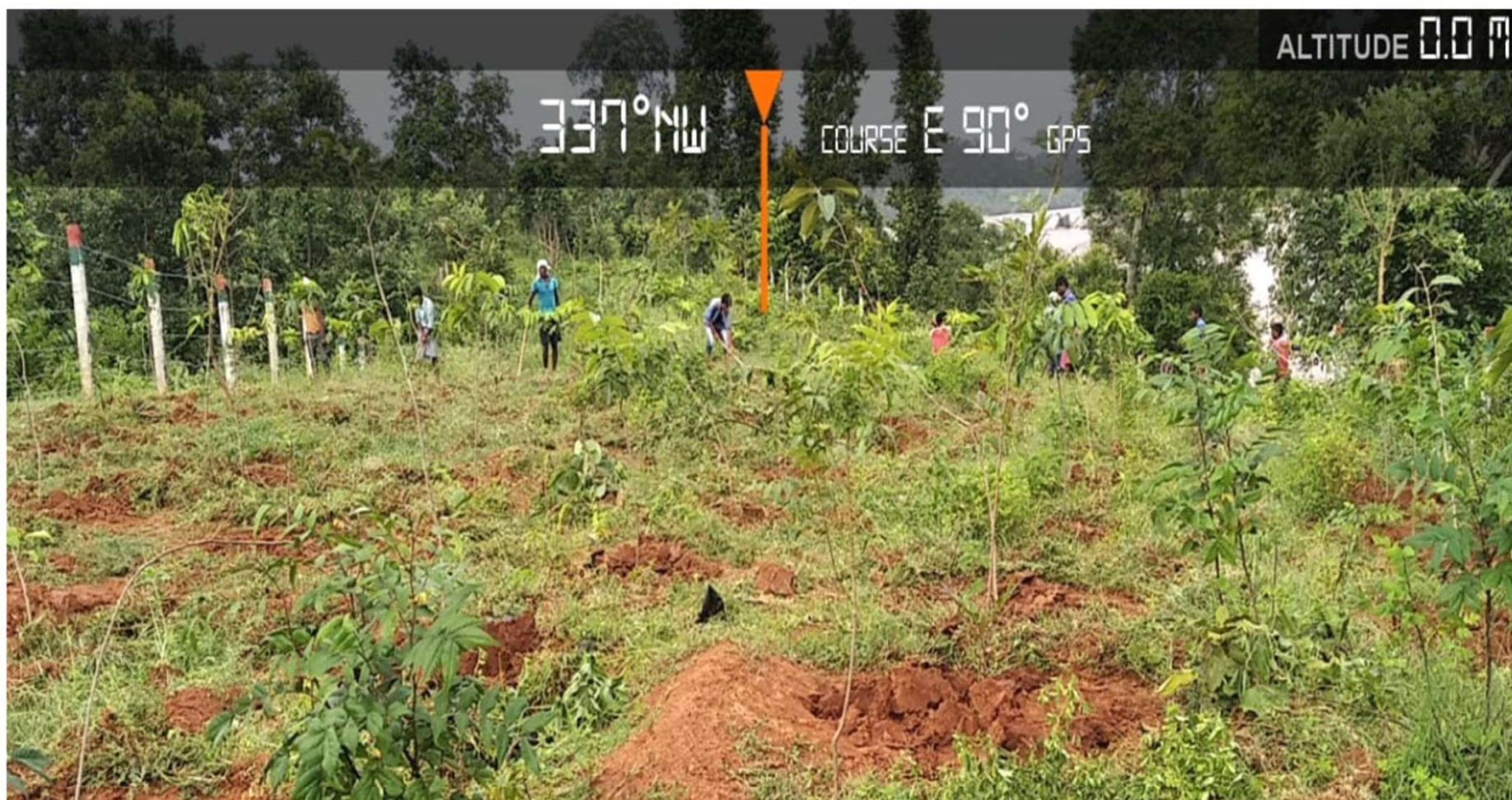
Block Plantations.



Beta RDF Plantation 2017 (Main Species Sisham)



Beta RDF Plantation 2017 (Main Species Sisham)



ALTITUDE 0.0 m

337°NW

COURSE E 90° GPS

LAT 23°52'26.209"N

SATURDAY 08.22.2020

LONG 83°39'28.619"E

LOCAL TIME 15:49:29

River Side Plantation. 2019-20 Anhar to Bandu)

Unnamed Road, Chutru, Jharkhand 822125, India



Dol Silviculture Operation Plantation 2019



Larkoriya (Bishrampur) Plantation 2011 (Top View) Main Species Karanj



Larkoriya (Bishrampur) Plantation 2011 (Front View) Main Species Karanj



Khardiha Plantation 2002 Main Species Sisham



Khardiha Plantation 2002 Main Species Sisham & Gamahar

Drinking Water Facilities. (EPA)



- (1) HYDT (High yield drilled tube) well
- (2) Boring- 600 Feet.
- (3) Loring- 300 Feet
- (4) 2 KVA Solar Panel
- (5) 2 HP Solar BLDC (Brushless Direct Current) Motor.
- (6) 5000 Litre Water Tank with GI Structure.
- (7) Community Room

CA Plantation Entry Point Activity Work - Ramar 2021-22 (Advance)

Thank you

