



**CENTRAL SILK BOARD**

Ministry of Textiles-  
Govt. Of India  
Bangalore-560 068

**SOIL HEALTH CARD**

Name of  
Laboratory

Central Tasar Research and Training  
Institute, Ranchi

**Farmer's Details**

Name Kusharanjan Mahajud

Address Karadapal

Village Karadapal

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 602953569431

Mobile Number 9937603308

**Soil Sample Details**

Soil Sample Number 648

Sample Collected on 07-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 1.20 ha

Geo Position (GPS)  
Latitude: 20° 15'N  
Longitude : 85° 50'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Range
1	pH	5.86		St. Acid
2	EC	0.059	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.60	%	M
4	Available Nitrogen (N)	86.6	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	12.7	Kg ha <sup>-1</sup>	M
6	Available Potassium (K)	253.1	Kg ha <sup>-1</sup>	M
7	Available Sulphur (S)	9.88	ppm	M
8	Available Zinc (Zn)	0.87	ppm	S
9	Available Boron (B)	14.17	ppm	S
10	Available Iron (Fe)	21.75	ppm	S
11	Available Manganese (Mn)	37.85	ppm	S
12	Available Copper (Cu)	1.16	ppm	S

Central Tasar Research and Training  
Institute, Ranchi

**Soil Health Card**



Soil Health Card No.: 648

Name of farmer : Kusharanjan Mahakud

Validity : From: 7-7-2017 to 6-7-20

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 391 kg	DAP: 130 kg
2	Zinc (Zn)					SSP: 375 kg	Urea: 340 kg
3	Boron (B)					MOP: 100 kg	MOP: 100 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 15.00 t					
2	Biofertiliser						
3	Lime / Gypsum						

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 Bangalore-560 068

**SOIL HEALTH CARD**

Name of  
 Laboratory

Central Tasar Research and Training  
 Institute, Ranchi

**Farmer's Details**

Name: Bijaya Mahanta

Address: Nuagaon

Village: Maniabindha

Sub-District: Harichandanpur

District: Kendujhar

PIN: 758080

Aadhaar Number: 826180602183

Mobile Number: 9078109971

**Soil Sample Details**

Soil Sample Number: 649

Sample Collected on: 08-07-2017

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.80 ha

Geo Position (GPS):  
 Latitude: 21° 18'N  
 Longitude: 85° 53'E

Irrigated / Rainfed: Rainfed

**Central Tasar Research and Training  
 Institute, Ranchi**

**Soil Health Card**



Soil Health Card No.: 649

Name of farmer : Bijaya Mahanta

Validity : From: 8-7-2017 to 7-7-20

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.91		Mod. Acid
2	EC	0.059	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.21	%	L
4	Available Nitrogen (N)	153.1	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	8.9	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	147.8	Kg ha <sup>-1</sup>	M
7	Available Sulphur (S)	17.70	ppm	M
8	Available Zinc (Zn)	1.04	ppm	S
9	Available Boron (B)	13.03	ppm	S
10	Available Iron (Fe)	20.80	ppm	S
11	Available Manganese (Mn)	74.70	ppm	S
12	Available Copper (Cu)	1.53	ppm	S

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 217 kg	DAP: 109 kg
2	Zinc (Zn)					SSP: 313 kg	Urea: 175 kg
3	Boron (B)					MOP: 67 kg	MOP: 67 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 10.00 t					
2	Biofertiliser						
3	Lime / Gypsum						

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**SOIL HEALTH CARD**

Name of  
 Laboratory

Central Tasar Research and Training  
 Institute, Ranchi

**Farmer's Details**

**Central Tasar Research and Training  
 Institute, Ranchi**

**Soil Health Card**



**Soil Health Card No.: 650**

**Name of farmer : Dibakar Mahakud**

**Validity : From: 8-7-2017 to 7-7-20**

Name Dibakar Mahakud

Address Karadapal

Village Karadapal

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 281757456590

Mobile Number 7077621751

**Soil Sample Details**

Soil Sample Number 650

Sample Collected on 08-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 0.80 ha

Geo Position (GPS)  
 Latitude: 21° 18'N  
 Longitude : 85° 53'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Range
1	pH	5.90		Mod. Acid
2	EC	0.059	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.81	%	H
4	Available Nitrogen (N)	175.7	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	4.8	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	125.4	Kg ha <sup>-1</sup>	M
7	Available Sulphur (S)	17.63	ppm	M
8	Available Zinc (Zn)	0.90	ppm	S
9	Available Boron (B)	14.26	ppm	S
10	Available Iron (Fe)	21.00	ppm	S
11	Available Manganese (Mn)	89.65	ppm	S
12	Available Copper (Cu)	2.01	ppm	S

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 408 kg	DAP: 245 kg
2	Zinc (Zn)					SSP: 703 kg	Urea: 312 kg
3	Boron (B)					MOP: 125 kg	MOP: 125 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 18.75 t					
2	Biofertiliser						
3	Lime / Gypsum						

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**SOIL HEALTH CARD**

Name of  
Laboratory

Central Tasar Research and Training  
Institute, Ranchi

**Farmer's Details**

Name: Ramachandra Mahakud

Address: Karadapal

Village: Karadapal

Sub-District: Harichandanpur

District: Kendujhar

PIN: 758080

Aadhaar Number: 203986473742

Mobile Number: 7606908792

**Soil Sample Details**

Soil Sample Number: 651

Sample Collected on: 08-07-2017

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.00 ha

Geo Position (GPS):  
Latitude: 21° 18'N  
Longitude: 85° 53'E

Irrigated / Rainfed: Rainfed

Central Tasar Research and Training  
Institute, Ranchi

**Soil Health Card**



Soil Health Card No.: 651

Name of farmer : Ramachandra Mahakud

Validity : From: 8-7-2017 to 7-7-20

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.82		Mod. Acid
2	EC	0.059	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.45	%	L
4	Available Nitrogen (N)	144.4	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	6.3	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	443.5	Kg ha <sup>-1</sup>	H
7	Available Sulphur (S)	27.78	ppm	H
8	Available Zinc (Zn)	0.82	ppm	S
9	Available Boron (B)	14.5	ppm	S
10	Available Iron (Fe)	39.0	ppm	S
11	Available Manganese (Mn)	38.55	ppm	S
12	Available Copper (Cu)	1.53	ppm	S

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 272 kg	DAP: 136 kg
2	Zinc (Zn)					SSP: 391 kg	Urea: 219 kg
3	Boron (B)					MOP: 43 kg	MOP: 43 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 12.50 t					
2	Biofertiliser						
3	Lime / Gypsum						

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**SOIL HEALTH CARD**

Name of  
 Laboratory

Central Tasar Research and Training  
 Institute, Ranchi

**Farmer's Details**

Name Upama Mahakud

Address Karadapal

Village Karadapal

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 268785793704

Mobile Number 8658523490

**Soil Sample Details**

Soil Sample Number 652

Sample Collected on 08-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 1.50 ha

Geo Position (GPS)  
 Latitude: 21° 18'N  
 Longitude : 85° 53'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Range
1	pH	5.75		Mod. Acid
2	EC	0.058	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.39	%	L
4	Available Nitrogen (N)	169.5	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	8.4	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	116.5	Kg ha <sup>-1</sup>	M
7	Available Sulphur (S)	14.45	ppm	M
8	Available Zinc (Zn)	0.95	ppm	S
9	Available Boron (B)	10.28	ppm	S
10	Available Iron (Fe)	27.45	ppm	S
11	Available Manganese (Mn)	81.10	ppm	S
12	Available Copper (Cu)	1.34	ppm	S

**Central Tasar Research and Training  
 Institute, Ranchi**

**Soil Health Card**



Soil Health Card No.: 652

Name of farmer : Upama Mahakud

Validity : From: 8-7-2017 to 7-7-20

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 408 kg	DAP: 204 kg
2	Zinc (Zn)					SSP: 586 kg	Urea: 328 kg
3	Boron (B)					MOP: 125 kg	MOP: 125 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 18.75 t					
2	Biofertiliser						
3	Lime / Gypsum						

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 Ministry of Textiles-  
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 Bangalore-560 068

**SOIL HEALTH CARD**

Name of  
 Laboratory

Central Tasar Research and Training  
 Institute, Ranchi

**Farmer's Details**

Name Ramachandra Murmu

Address Billa

Village Billa

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 911384991272

Mobile Number 7894249622

**Soil Sample Details**

Soil Sample Number 653

Sample Collected on 08-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 1.20 ha

Geo Position (GPS)  
 Latitude: 21° 20'N  
 Longitude : 85° 47'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.91		Mod. Acid
2	EC	0.059	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.51	%	M
4	Available Nitrogen (N)	136.8	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	6.90	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	241.9	Kg ha <sup>-1</sup>	M
7	Available Sulphur (S)	11.30	ppm	M
8	Available Zinc (Zn)	2.42	ppm	S
9	Available Boron (B)	13.32	ppm	S
10	Available Iron (Fe)	23.45	ppm	S
11	Available Manganese (Mn)	80.75	ppm	S
12	Available Copper (Cu)	3.45	ppm	S

**Central Tasar Research and Training  
 Institute, Ranchi**

**Soil Health Card**



Soil Health Card No.: 653

Name of farmer : Ramachandra Murmu

Validity : From: 8-7-2017 to 7-7-20

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 392 kg	DAP: 163 kg
2	Zinc (Zn)					SSP: 469 kg	Urea: 328 kg
3	Boron (B)					MOP: 100 kg	MOP: 100 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 15.00 t					
2	Biofertiliser						
3	Lime / Gypsum						



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	<b>CENTRAL SILK BOARD</b>		<b>SOIL HEALTH CARD</b>			<b>Name of Laboratory</b>		<b>Central Tasar Research and Training Institute, Ranchi</b>		
	Ministry of Textiles- Govt. Of India Bangalore-560 068		<b>Farmer's Details</b>							
<b>Central Tasar Research and Training Institute, Ranchi</b>		Name	Sunaram Majhi							
		Address	Billa							
<b>Soil Health Card</b>		Village	Billa		S. No.	Parameter	Test Value	Unit	Range	
		Sub-District	Harichandanpur							
		District	Kendujhar		1	pH	5.64		Mod. Acid	
		PIN	758080		2	EC	0.056	dS m <sup>-1</sup>	Normal	
		Aadhaar Number	472581755061		3	Organic Carbon (OC)	0.21	%	L	
		Mobile Number	8658617597		4	Available Nitrogen (N)	168.2	Kg ha <sup>-1</sup>	L	
		<b>Soil Sample Details</b>			5	Available Phosphorus (P)	18.1	Kg ha <sup>-1</sup>	M	
		Soil Sample Number	654		6	Available Potassium (K)	517.4	Kg ha <sup>-1</sup>	H	
		Sample Collected on	08-07-2017		7	Available Sulphur (S)	15.25	ppm	M	
		Survey No.	-		8	Available Zinc (Zn)	1.44	ppm	S	
<b>Soil Health Card No.: 654</b>		Khasra No. / Dag No	-		9	Available Boron (B)	14.25	ppm	S	
<b>Name of farmer : Sunaram Majhi</b>		Farm Size	1.00 ha		10	Available Iron (Fe)	47.70	ppm	S	
<b>Validity : From: 8-7-2017 to 7-7-20</b>		Geo Position (GPS)	Latitude: 21° 20'N Longitude : 85° 47'E		11	Available Manganese (Mn)	190.94	ppm	S	
		Irrigated / Rainfed	Rainfed		12	Available Copper (Cu)	4.94	ppm	S	

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations				Fertilizer Recommendations for Reference Yield (with Organic Manure)			
Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 272 kg	DAP: 82 kg
2	Zinc (Zn)					SSP: 234 kg	Urea: 240 kg
3	Boron (B)					MOP: 42 kg	MOP: 82 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 12.50 t					
2	Biofertiliser						
3	Lime / Gypsum						

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2015



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**SOIL HEALTH CARD**

Name of  
Laboratory

Central Tasar Research and Training  
Institute, Ranchi

**Farmer's Details**

Name Golekha Majhi

Address Bhagamunda

Village Bhagamunda

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 904749346772

Mobile Number 9078400410

**Soil Sample Details**

Soil Sample Number 655

Sample Collected on 08-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 1.10 ha

Geo Position (GPS)  
Latitude: 21° 20'N  
Longitude : 85° 47'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.82		Mod. Acid
2	EC	0.058	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.48	%	L
4	Available Nitrogen (N)	212.1	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	4.50	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	94.10	Kg ha <sup>-1</sup>	L
7	Available Sulphur (S)	17.75	ppm	M
8	Available Zinc (Zn)	1.70	ppm	S
9	Available Boron (B)	13.62	ppm	S
10	Available Iron (Fe)	34.65	ppm	S
11	Available Manganese (Mn)	82.20	ppm	S
12	Available Copper (Cu)	2.35	ppm	S

Central Tasar Research and Training  
Institute, Ranchi

**Soil Health Card**

Soil Health Card No.: 655

Name of farmer : Golekha Majhi

Validity : From: 8-7-2017 to 7-7-20

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations****Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 299 kg	DAP: 179 kg
2	Zinc (Zn)					SSP: 516 kg	Urea: 229 kg
3	Boron (B)					MOP: 115 kg	MOP: 115 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 13.70 t					
2	Biofertiliser						
3	Lime / Gypsum						

International year of soils  
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Govt. Of India  
Bangalore-560 068

**SOIL HEALTH CARD**

Name of  
Laboratory

Central Tasar Research and Training  
Institute, Ranchi

**Farmer's Details**

Name  
Sebati Majhi

Address  
Bhagamunda

Village  
Bhagamunda

Sub-District  
Harichandanpur

District  
Kendujhar

PIN  
758080

Aadhaar Number  
607041154128

Mobile Number  
9078400410

**Soil Sample Details**

Soil Sample Number  
656

Sample Collected on  
08-07-2017

Survey No.  
-

Khasra No. / Dag No  
-

Farm Size  
1.00 ha

Geo Position (GPS)  
Latitude: 21° 20'N  
Longitude : 85° 47'E

Irrigated / Rainfed  
Rainfed

S. No.	Parameter	Test Value	Unit	Range
1	pH	5.66		Mod. Acid
2	EC	0.057	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.81	%	H
4	Available Nitrogen (N)	178.3	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	9.60	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	338.2	Kg ha <sup>-1</sup>	H
7	Available Sulphur (S)	14.73	ppm	M
8	Available Zinc (Zn)	1.92	ppm	S
9	Available Boron (B)	14.24	ppm	S
10	Available Iron (Fe)	34.25	ppm	S
11	Available Manganese (Mn)	86.15	ppm	S
12	Available Copper (Cu)	4.70	ppm	S

Central Tasar Research and Training  
Institute, Ranchi

**Soil Health Card**

Soil Health Card No.: 656

Name of farmer : Sebati Majhi

Validity : From: 8-7-2017 to 7-7-20

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations****Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 272 kg	DAP: 136 kg
2	Zinc (Zn)					SSP: 391 kg	Urea: 219 kg
3	Boron (B)					MOP: 63 kg	MOP: 63 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 12.50 t					
2	Biofertiliser						
3	Lime / Gypsum						

International year of soils  
2015



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Ministry of Textiles-  
Govt. Of India  
Bangalore-560 068

**SOIL HEALTH CARD**

Name of  
Laboratory

Central Tasar Research and Training  
Institute, Ranchi

**Farmer's Details**

Name Phagu Majhi

Address Bhagamunda

Village Bhagamunda

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 693914476017

Mobile Number 9078400410

**Soil Sample Details**

Soil Sample Number 657

Sample Collected on 08-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 1.00 ha

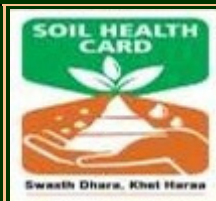
Geo Position (GPS)  
Latitude: 21° 20'N  
Longitude : 85° 47'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.65		Mod. Acid
2	EC	0.057	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.57	%	M
4	Available Nitrogen (N)	154.4	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	8.90	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	306.9	Kg ha <sup>-1</sup>	H
7	Available Sulphur (S)	10.63	ppm	M
8	Available Zinc (Zn)	2.98	ppm	S
9	Available Boron (B)	10.54	ppm	S
10	Available Iron (Fe)	41.40	ppm	S
11	Available Manganese (Mn)	96.80	ppm	S
12	Available Copper (Cu)	7.66	ppm	S

Central Tasar Research and Training  
Institute, Ranchi

**Soil Health Card**



Soil Health Card No.: 655

Name of farmer : Phagu Majhi

Validity : From: 8-7-2017 to 7-7-20

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 219 kg	DAP: 136 kg
2	Zinc (Zn)					SSP: 391 kg	Urea: 56 kg
3	Boron (B)					MOP: 63 kg	MOP: 63 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 12.50 t					
2	Biofertiliser						
3	Lime / Gypsum						

International year of soils  
2015



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 Bangalore-560 068

**SOIL HEALTH CARD**

Name of  
 Laboratory

Central Tasar Research and Training  
 Institute, Ranchi

**Farmer's Details**

Name Raghu Majhi

Address Bhagamunda

Village Bhagamunda

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 614634751696

Mobile Number

**Soil Sample Details**

Soil Sample Number 658

Sample Collected on 08-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 1.00 ha

Geo Position (GPS)  
 Latitude: 21° 20'N  
 Longitude : 85° 47'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.68		Mod. Acid
2	EC	0.057	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.72	%	M
4	Available Nitrogen (N)	159.4	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	7.3	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	190.4	Kg ha <sup>-1</sup>	M
7	Available Sulphur (S)	14.18	ppm	M
8	Available Zinc (Zn)	5.77	ppm	S
9	Available Boron (B)	8.21	ppm	S
10	Available Iron (Fe)	96.90	ppm	S
11	Available Manganese (Mn)	79.35	ppm	S
12	Available Copper (Cu)	13.40	ppm	S

**Central Tasar Research and Training  
 Institute, Ranchi**

**Soil Health Card**



Soil Health Card No.: 658

Name of farmer : Raghu Majhi

Validity : From: 8-7-2017 to 7-7-20

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 272 kg	DAP: 136 kg
2	Zinc (Zn)					SSP: 391 kg	Urea: 219 kg
3	Boron (B)					MOP: 83 kg	MOP: 83 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 12.50 t					
2	Biofertiliser						
3	Lime / Gypsum						

International year of soils  
 2015



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**SOIL HEALTH CARD**

Name of  
Laboratory

Central Tasar Research and Training  
Institute, Ranchi

**Farmer's Details**

**Central Tasar Research and Training  
Institute, Ranchi**

**Soil Health Card**



**Soil Health Card No.: 659**

**Name of farmer : Sita Majhi**

**Validity : From: 8-7-2017 to 7-7-20**

Name Sita Majhi

Address Bhagamunda

Village Bhagamunda

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 657749939604

Mobile Number

**Soil Sample Details**

Soil Sample Number 659

Sample Collected on 08-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 1.20 ha

Geo Position (GPS) Latitude: 21° 20'N  
Longitude : 85° 47'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.58		Mod. Acid
2	EC	0.056	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	1.56	%	H
4	Available Nitrogen (N)	180.8	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	17.8	Kg ha <sup>-1</sup>	M
6	Available Potassium (K)	234.1	Kg ha <sup>-1</sup>	M
7	Available Sulphur (S)	15.93	ppm	M
8	Available Zinc (Zn)	2.88	ppm	S
9	Available Boron (B)	7.17	ppm	S
10	Available Iron (Fe)	123.80 132.50	ppm	S
11	Available Manganese (Mn)	9.68	ppm	S
12	Available Copper (Cu)		ppm	S

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 336 kg	DAP: 130 kg
2	Zinc (Zn)					SSP: 375 kg	Urea: 275 kg
3	Boron (B)					MOP: 100 kg	MOP: 100 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 15.00 t					
2	Biofertiliser						
3	Lime / Gypsum						

International year of soils  
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 Bangalore-560 068

**SOIL HEALTH CARD**

Name of  
 Laboratory

Central Tasar Research and Training  
 Institute, Ranchi

**Farmer's Details**

Name	Salama Majhi
Address	Bhagamunda
Village	Bhagamunda
Sub-District	Harichandanpur
District	Kendujhar
PIN	758080
Aadhaar Number	985801717371
Mobile Number	

**Central Tasar Research and Training  
 Institute, Ranchi**

**Soil Health Card**



**Soil Health Card No.: 660**

**Name of farmer : Salama Majhi**

**Validity : From: 8-7-2017 to 7-7-20**

<b>Soil Sample Details</b>	
Soil Sample Number	660
Sample Collected on	08-07-2017
Survey No.	-
Khasra No. / Dag No	-
Farm Size	1.00 ha
Geo Position (GPS)	Latitude: 21° 20'N Longitude : 85° 47'E
Irrigated / Rainfed	Rainfed

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.67		Mod. Acid
2	EC	0.057	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	1.29	%	H
4	Available Nitrogen (N)	158.2	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	11.4	Kg ha <sup>-1</sup>	M
6	Available Potassium (K)	295.7	Kg ha <sup>-1</sup>	H
7	Available Sulphur (S)	13.03	ppm	M
8	Available Zinc (Zn)	2.27	ppm	S
9	Available Boron (B)	7.71	ppm	S
10	Available Iron (Fe)	151.80	ppm	S
11	Available Manganese (Mn)	165.00	ppm	S
12	Available Copper (Cu)	9.89	ppm	S

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 272 kg	DAP: 109 kg
2	Zinc (Zn)					SSP: 313 kg	Urea: 229 kg
3	Boron (B)					MOP: 63 kg	MOP: 63 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 12.50 t					
2	Biofertiliser						
3	Lime / Gypsum						

International year of soils  
 2015



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 Bangalore-560 068

**SOIL HEALTH CARD**

Name of  
 Laboratory

Central Tasar Research and Training  
 Institute, Ranchi

**Farmer's Details**

Name Lachhman Majhi

Address Bhagamunda

Village Bhagamunda

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 599145573406

Mobile Number

**Soil Sample Details**

Soil Sample Number 661

Sample Collected on 08-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 1.50 ha

Geo Position (GPS)  
 Latitude: 21° 20'N  
 Longitude : 85° 47'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.55		St. Acid
2	EC	0.056	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	1.77	%	H
4	Available Nitrogen (N)	178.3	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	3.6	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	221.8	Kg ha <sup>-1</sup>	M
7	Available Sulphur (S)	15.25	ppm	M
8	Available Zinc (Zn)	2.25	ppm	S
9	Available Boron (B)	8.24	ppm	S
10	Available Iron (Fe)	149.05	ppm	S
11	Available Manganese (Mn)	183.13	ppm	S
12	Available Copper (Cu)	9.01	ppm	S

**Central Tasar Research and Training  
 Institute, Ranchi**

**Soil Health Card**



Soil Health Card No.: 661

Name of farmer : Lachhman Majhi

Validity : From: 8-7-2017 to 7-7-20

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 408 kg	DAP: 245 kg
2	Zinc (Zn)					SSP: 703 kg	Urea: 312 kg
3	Boron (B)					MOP: 125 kg	MOP: 125 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 18.75 t					
2	Biofertiliser						
3	Lime / Gypsum						

International year of soils  
 2015



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**SOIL HEALTH CARD**

Name of  
Laboratory

Central Tasar Research and Training  
Institute, Ranchi

**Farmer's Details**

**Central Tasar Research and Training  
Institute, Ranchi**

**Soil Health Card**



**Soil Health Card No.: 662**

**Name of farmer : Babulal Munda**

**Validity : From: 8-7-2017 to 7-7-20**

Name	Babulal Munda
Address	Bhagamunda
Village	Bhagamunda
Sub-District	Harichandanpur
District	Kendujhar
PIN	758080
Aadhaar Number	573264201834
Mobile Number	8018906760
<b>Soil Sample Details</b>	
Soil Sample Number	662
Sample Collected on	08-07-2017
Survey No.	-
Khasra No. / Dag No	-
Farm Size	1.50 ha
Geo Position (GPS)	Latitude: 21° 20'N Longitude : 85° 47'E
Irrigated / Rainfed	Rainfed

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.67		Mod. Acid
2	EC	0.051	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	1.02	%	H
4	Available Nitrogen (N)	182.0	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	8.70	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	82.9	Kg ha <sup>-1</sup>	L
7	Available Sulphur (S)	9.18	ppm	L
8	Available Zinc (Zn)	2.29	ppm	S
9	Available Boron (B)	8.66	ppm	S
10	Available Iron (Fe)	127.45	ppm	S
11	Available Manganese (Mn)	119.45	ppm	S
12	Available Copper (Cu)	8.11	ppm	S

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 408 kg	DAP: 204 kg
2	Zinc (Zn)					SSP: 586 kg	Urea: 328 kg
3	Boron (B)					MOP: 156 kg	MOP: 156 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 18.75 t					
2	Biofertiliser						
3	Lime / Gypsum						

International year of soils  
2015



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**SOIL HEALTH CARD**

Name of  
 Laboratory

Central Tasar Research and Training  
 Institute, Ranchi

**Farmer's Details**

**Central Tasar Research and Training  
 Institute, Ranchi**

**Soil Health Card**



**Soil Health Card No.: 663**

**Name of farmer : Sunaram Munda**

**Validity : From: 8-7-2017 to 7-7-20**

Name Sunaram Munda

Address Bhagamunda

Village Bhagamunda

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 370605755634

Mobile Number 8018223588

**Soil Sample Details**

Soil Sample Number 663

Sample Collected on 08-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 1.30 ha

Geo Position (GPS)  
 Latitude: 21° 20'N  
 Longitude : 85° 47'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.62		Mod. Acid
2	EC	0.056	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.90	%	H
4	Available Nitrogen (N)	194.6	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	6.9	Kg ha <sup>-1</sup>	L
6	Available Potassium (K)	116.5	Kg ha <sup>-1</sup>	M
7	Available Sulphur (S)	13.18	ppm	M
8	Available Zinc (Zn)	2.26	ppm	S
9	Available Boron (B)	8.07	ppm	S
10	Available Iron (Fe)	102.75	ppm	S
11	Available Manganese (Mn)	22.50	ppm	S
12	Available Copper (Cu)	4.43	ppm	S

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 353 kg	DAP: 177 kg
2	Zinc (Zn)					SSP: 508 kg	Urea: 284 kg
3	Boron (B)					MOP: 103 kg	MOP: 103 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 16.25 t					
2	Biofertiliser						
3	Lime / Gypsum						

International year of soils  
 2015



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**SOIL HEALTH CARD**

Name of  
 Laboratory

Central Tasar Research and Training  
 Institute, Ranchi

**Farmer's Details**

**Central Tasar Research and Training  
 Institute, Ranchi**

**Soil Health Card**



**Soil Health Card No.: 664**

**Name of farmer : Champa Munda**

**Validity : From: 8-7-2017 to 7-7-20**

Name Champa Munda

Address Bhagamunda

Village Bhagamunda

Sub-District Harichandanpur

District Kendujhar

PIN 758080

Aadhaar Number 266817597389

Mobile Number

**Soil Sample Details**

Soil Sample Number 664

Sample Collected on 08-07-2017

Survey No. -

Khasra No. / Dag No -

Farm Size 1.00 ha

Geo Position (GPS)  
 Latitude: 21° 20'N  
 Longitude : 85° 47'E

Irrigated / Rainfed Rainfed

S. No.	Parameter	Test Value	Unit	Rating
1	pH	5.71		Mod. Acid
2	EC	0.057	dS m <sup>-1</sup>	Normal
3	Organic Carbon (OC)	0.21	%	L
4	Available Nitrogen (N)	167.0	Kg ha <sup>-1</sup>	L
5	Available Phosphorus (P)	18.30	Kg ha <sup>-1</sup>	M
6	Available Potassium (K)	358.4	Kg ha <sup>-1</sup>	H
7	Available Sulphur (S)	23.95	ppm	H
8	Available Zinc (Zn)	0.85	ppm	S
9	Available Boron (B)	9.57	ppm	S
10	Available Iron (Fe)	75.75	ppm	S
11	Available Manganese (Mn)	92.45	ppm	S
12	Available Copper (Cu)	1.74	ppm	S

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

**Secondary & Micro Nutrients Recommendations**

**Fertilizer Recommendations for Reference Yield (with Organic Manure)**

Sl. No.	Parameter	Recommendations for Soil Applications	Sl. No.	Food Plant	Reference Yield	Fertilizer Combination-1 for N P K (Straight fertilizers)	Fertilizer Combination-2 for N P K (Complex/mixed fertilizers)
1	Sulphur (S)			Arjun	34 t/ha	Urea: 272 kg	DAP: 82 kg
2	Zinc (Zn)					SSP: 234 kg	Urea: 140 kg
3	Boron (B)					MOP: 104 kg	MOP: 104 kg
4	Iron (Fe)						
5	Manganese (Mn)						
6	Copper (Cu)						
<b>General Recommendations</b>							
1	Organic Manure	FYM 12.50 t					
2	Biofertiliser						
3	Lime / Gypsum						

International year of soils  
 2015



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**Director, CTR&TI, Ranchi**