स्वच्छ भारत
एक कदम स्वच्छता की ओर

CCL

(A Miniratna Category-I Company)

CENTRAL COALFIELDS LIMITED

(A Subsidiary of Coal India Limited)

(A Miniratna Category- I Company)

OFFICE OF THE PROJECT OFFICER
MAGADH OCP, MAGADH-SANGHMITRA AREA, AVANTIKA, VILL-KUNDI, PO-SARADHU, DIST:- CHATRA

E-mail ID: **pomagadhms@gmail.com**

Ref No: PO(Magadh OCP)/MRS/2023-24/3871 Date:- 12.03.2024

To
The Divisional Forest Officer
Latehar Forest Division
Latehar

The Divisional Forest Officer
Chatra South Forest Division
Chatra

Sub: -Request for Processing of Forest Diversion application of Magadh Railway Siding (121.29 Ha) in Parivesh 1.0 Portal while considering degraded forest land as compensatory afforestation (CA) land.

Ref No: -File No: - FP/JH/Rail/47332 /2020

Respected Sir,

This is with reference to the Forest Diversion proposal, proposal no FP/JH/Rail/47332 /2020. We hereby submit the following details regarding the subject matter.

Magadh OCP which is a pioneer project of Central Coalfields Limited (CCL), is presently operating at the project capacity of 20MT per annum. Coal India Board has already approved the capacity expansion of Magadh OCP to the tune of 51MY per annum to meet the increasing demand of coal in the Nation. However, capacity cannot be expanded without the construction of modern evacuation systems like Railway Siding, CHP, and Rapid Loading Systems.

It is submitted that the subject proposal for diversion of forest land is meant to construct environmental compliments evacuation infrastructure i.e. Railway Siding with a rapid loading system. This plan is the part of ambitious First Mile Connectivity (FMC) policy of the Ministry of Coal, which is regularly monitored by the PMO office also to develop environmentally friendly practices. The construction of Railway Siding with silo has a projected capital investment of Rs. 402.10 Crore for the environment-compliant activity.

It may be brought to your kind knowledge that we have submitted our FDP(Form-A) proposal on **21th July 2020, it was accepted by PCCF nodal on 31st August 2020** and **forwarded to Divisional Forest Office on 05th November 2020**. Further, our proposal was further accepted by DFO, Latehar and Subsequently, **the EDS raised by DFO Latehar Office on 25th January 2020** which is before enactment of Forest (Conservation) Rules 2022.

12.03.24
SADALA SATYANARAYAN
PROJECT OFFICER
MAGADH OCP

All the EDS compliances have already been completed & complied and now the proposal is ready for onward submission for further processing by processing authority.

As per the compliance of EDS, the finalization and certification of degraded forest land of 121.29 Ha has been completed which is twice in the extent of forest land proposed for diversion of 242.58 Ha (Notified Forest Land 242.58 Ha).

As per the new provisions & guidelines on Compensatory Afforestation, user agency is required to provide land which is neither notified as forest under Forest Act 1927 or any other law nor managed as forest by the forest department which shall also bear the cost of raising Compensatory Afforestation over such land.

In this regard, it is humbly submitted that considering our FC Stage-l proposal is at very advance stage of processing by the processing authority, may be considered for further processing, examining and recommendation for onward submission with presently identified and certified degraded forest land earmarked for Compensatory Afforestation. Further, we shall provide matching non forest land for Compensatory Afforestation and comply to the conditions of Compensatory Afforestation as per the provisions if the grant is not accorded.

In addition to above, action and process for identification of compensatory afforestation land (non-forest land) in parallel to processing of our proposal for further processing & examining would save time as the requirement and shall be complied before commissioning of work. As, we are already in delay in obtaining the FC Stage-l considering our proposal acceptance at PCCF Nodal on **31st August 2020** & EDS received from DFO, Latehar on **25th January 2020**.

In view of above subject proposals criticality, for faster development & operation of Magadh OCP we earnestly request your good office for kind consideration of our proposal for onward submission for further processing, examining and recommendation with presently identified and certified degraded forest land earmarked for Compensatory Afforestation.

Further, project proponent undertakes to comply & abide by conditions of Forest (Conservation) Rules 2022 including the provisions of guideline issued on Aug 2023 regarding Compensatory Afforestation for providing matching Non-Forest for Compensatory Afforestation, if required before commissioning of work, undertaking regarding this is also attached herewith online and hardcopy of proposal.

It is requested for kind consideration for onward submission for further processing, examining and recommendation of our proposal please.

Yours Faithfully

Project officer
Magadh OCP
SADALA SATYANARAYAN
PROJECT OFFICER
MAGADH OCP

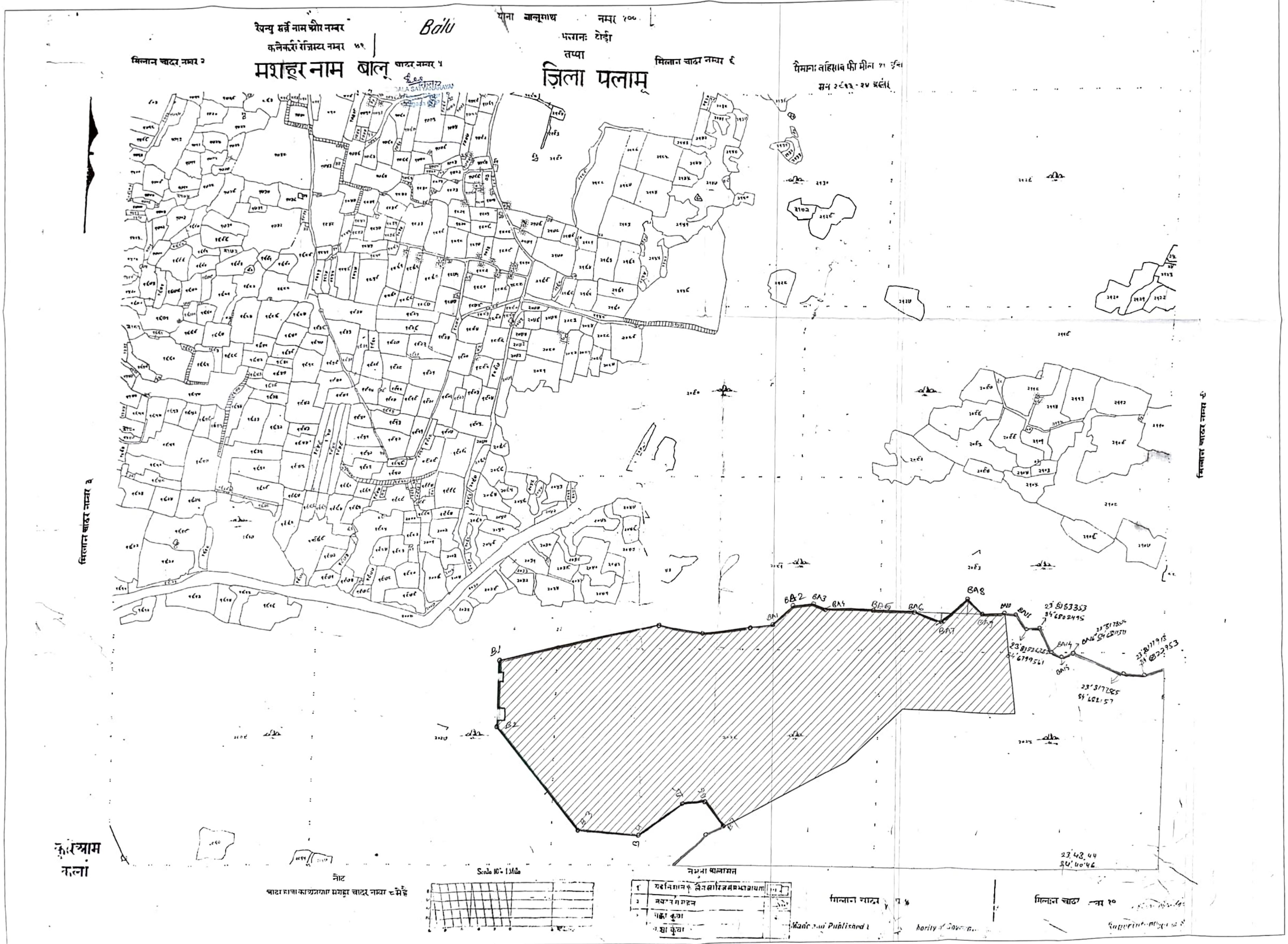
ONE EARTH • ONE FAMILY • ONE FUTURE

CENTRAL COALFIELDS LIMITED
(A Subsidiary of Coal India Limited)
(A Miniratna Category- I Company)
OFFICE OF THE PROJECT OFFICER
MAGADH OCP, MAGADH-SANGHMITRA AREA, AVANTIKA, VILL-KUNDI, PO-SARADHU, DIST:- CHATRA
E-mail ID: pomagadhms@gmail.com

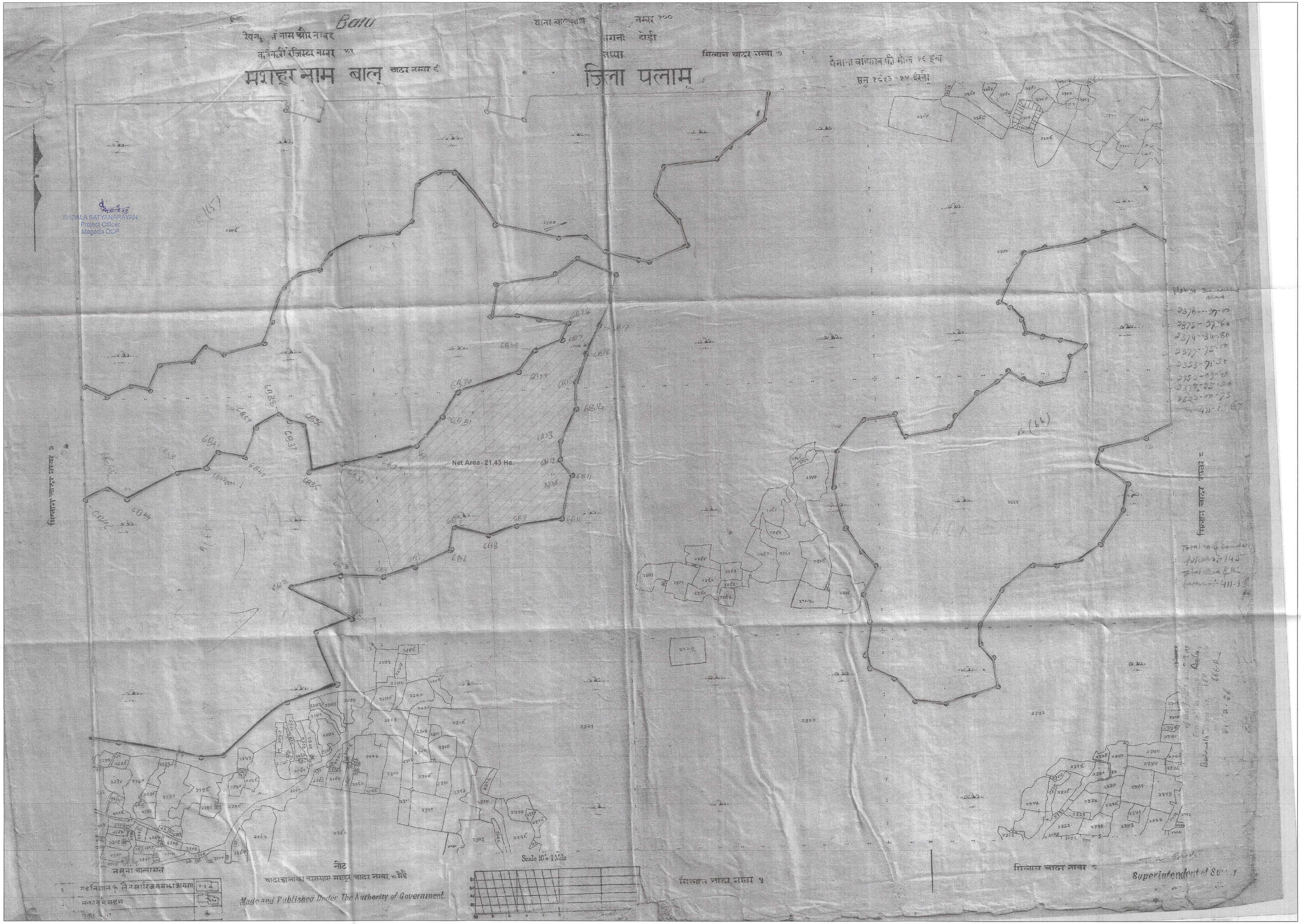
Undertaking For Compensatory Afforestation (CA) Land

Magadh OCP, Magadh-Sanghmitra Area CCL undertake that if and when required, equivalent area of non- forest land shall be provided as CA Land instead of double degraded forest land for Compensatory Afforestation before start of any work at Magadh Railway Siding.

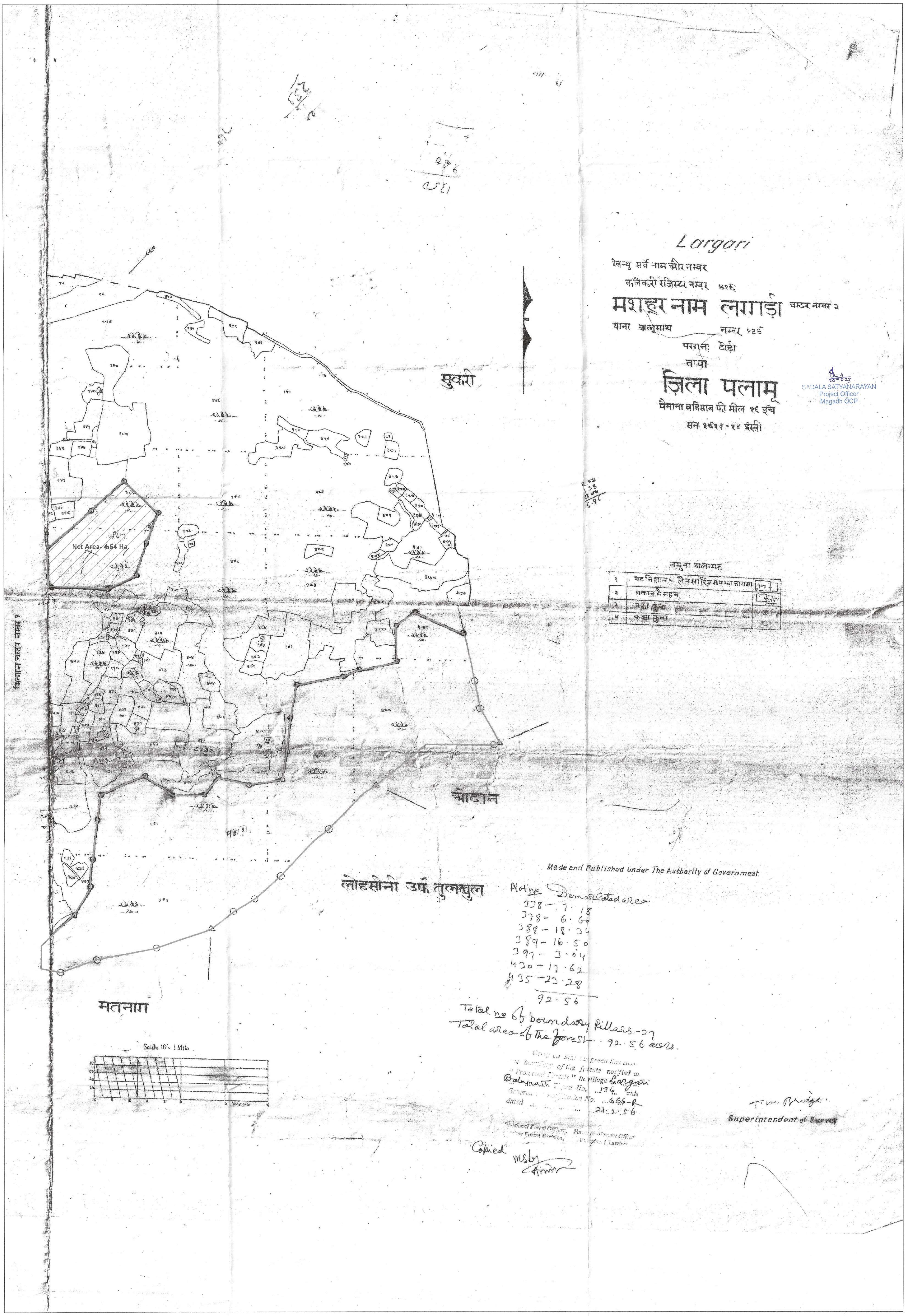
28.02.24
Project Officer
Magadh OCP
SADALA SATYANARAYAN
PROJECT OFFICER
MAGADH OCP



रेवन्यु सर्वे नाम और नम्बर
Balu
थाना बालूमाथ
नम्बर १००
परगनः टोड़ी
तप्पा
कलेक्टरी रजिस्ट्री नम्बर ४९
मिलान चादर नम्बर २
मशहूर नाम बालू
चादर नम्बर ५
ज़िला पलामू
मिलान चादर नम्बर ६
पैमाना तहिसाब फी मील १६ इंच
सन १८९३ - ९४ ईस्वी
मिलान चादर नम्बर ३
मिलान चादर नम्बर ९
B1
B2
B3
BA1
BA2
BA3
BA4
BA5
BA6
BA7
BA8
23°81553353
84°6802495
23°817804
23°8117913
84°6822953
23°817785
84°68257
23.43.44
84.40.46
नोट
Scale 16"= 1 Mile
नक्शा बालायत
नक्शा कुआ
मिलान चादर नम्बर ८
मिलान चादर नम्बर १०
Made and Published



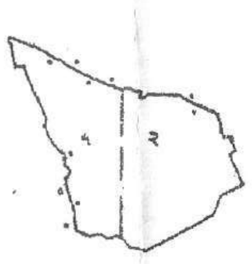
Balu
जिला पलाम
चादर नम्बर ६
मिलान चादर नम्बर ७
मिलान चादर नम्बर ५
Net Area- 21.43 Ha.
SADALA SATYANARAYAN
Project Officer
Magadh OCP
Scale 16" = 1 Mile
Made and Published Under The Authority of Government
Superintendent of Survey

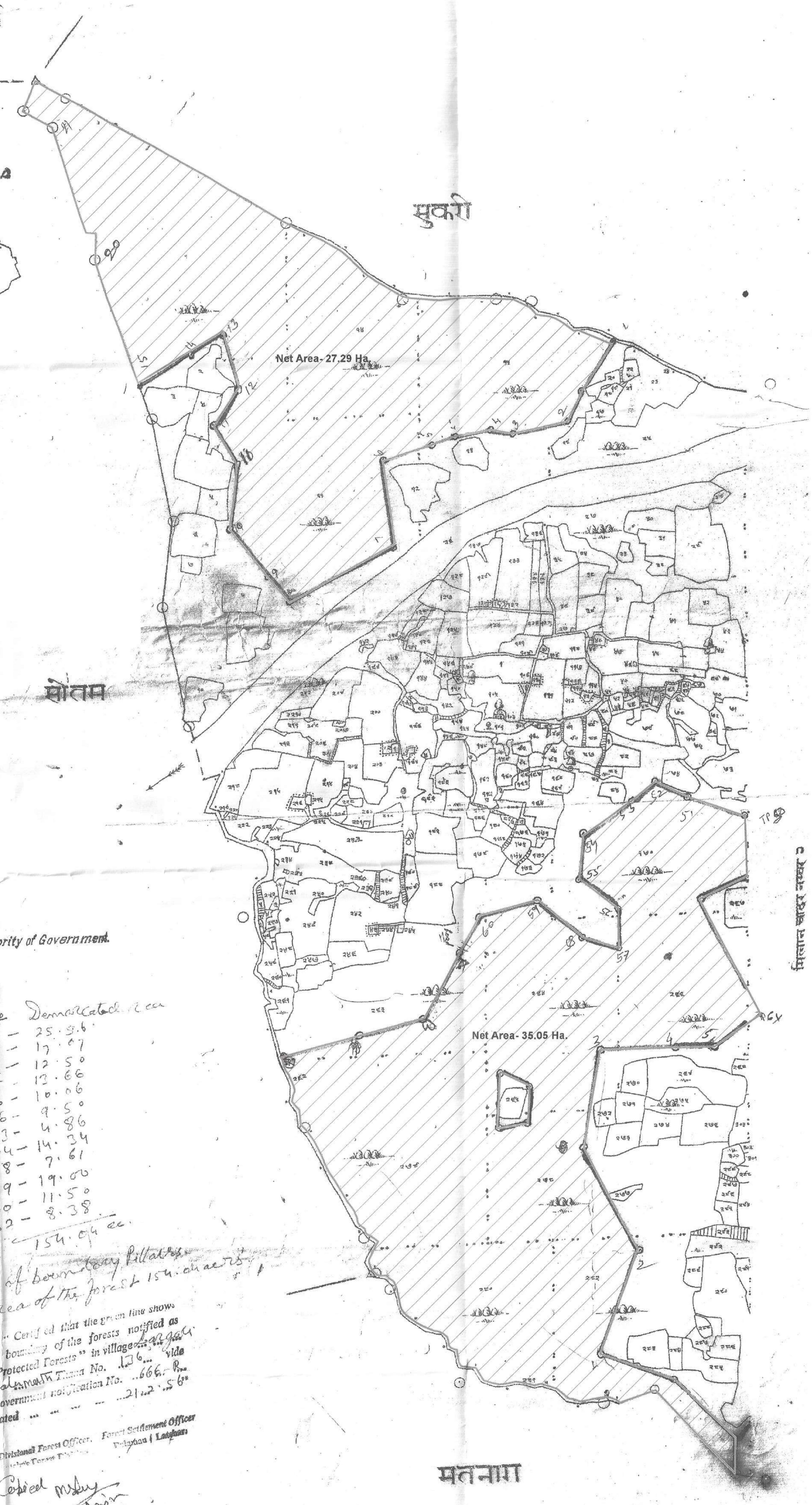


Largari
रेवन्यु सर्वे नाम और नम्बर
कालेक्टरी रजिस्टर नम्बर ४१६
मशहूर नाम लरगाड़ा
चादर नम्बर २
थाना बालूमाथ
नम्बर १३६
परगनः टोड़ी
तप्पा
ज़िला पलामू
पैमाना बहिसाब फी मील १६ इन्चि
सन १९१३-१४ ईस्वी
SADALA SATYANARAYAN
Project Officer
Magadh OCP
सुकरी
Net Area- 4.54 Ha.
नमुना अलामत
मकान मै महन
पक्का कुवा
कच्चा कुवा
लोहसीनी उर्फ तुलबुल
मतनाग
Scale 16" = 1 Mile
Made and Published under The Autherity of Government.
Plot no Demarcated area
338 - 7.18
378 - 6.60
388 - 18.34
389 - 16.50
397 - 3.04
430 - 17.62
435 - 23.28
92.56
Total no of boundary Pillars - 27
Total area of the forest .. 92.56 acres.
in village Largari
Balumath
No. 136
No. 666-R
21.2.56
Divisional Forest Officer,
T.W. Bridge
Superintendent of Survey
Copied

बिचलीदाग
थाना लातेहार
परगना: पलामू

Index to sheets





Largari

रैवन्यु ... नाम और नम्बर

...री रजिस्टर नम्बर ४१६

मशहूर नाम लगाड़ी

चादर नम्बर १

थाना बालूमाथ नम्बर १३६

परगना: टोड़ी

तप्पा

ज़िला पलामू

पैमाना बहिसाब फी मील १६ इंच

सन १९१३-१४ ईसी

SADALA SATYANARAYAN
Project Officer
Magadh OCP

Made and Published Under The Authority of Government.

नम्बर	नाम औ मशहूर
४६	मंदिर देवस्थान
४८	आबादी खास

नमूना अलामत

१	यहनिशान ...
२	मकान मैं सहन
३	पक्का कुंवा
४	... कुंवा

Plot no	Demarcated area
1	25.56
11	17.07
14	12.50
15	13.66
170	10.06
266	9.50
263	4.86
264	14.34
278	7.61
279	19.00
280	11.50
282	8.38
	154.04 ac.

Total no of boundary Pillars

Total area of the forest 154.04 acres

"Certified that the green line shows the boundary of the forests notified as "Protected Forests" in village Largari Balumath Thana No. 136 vide Government notification No. 666-R dated 21.2.56"

Divisional Forest Officer, ... Forest Division

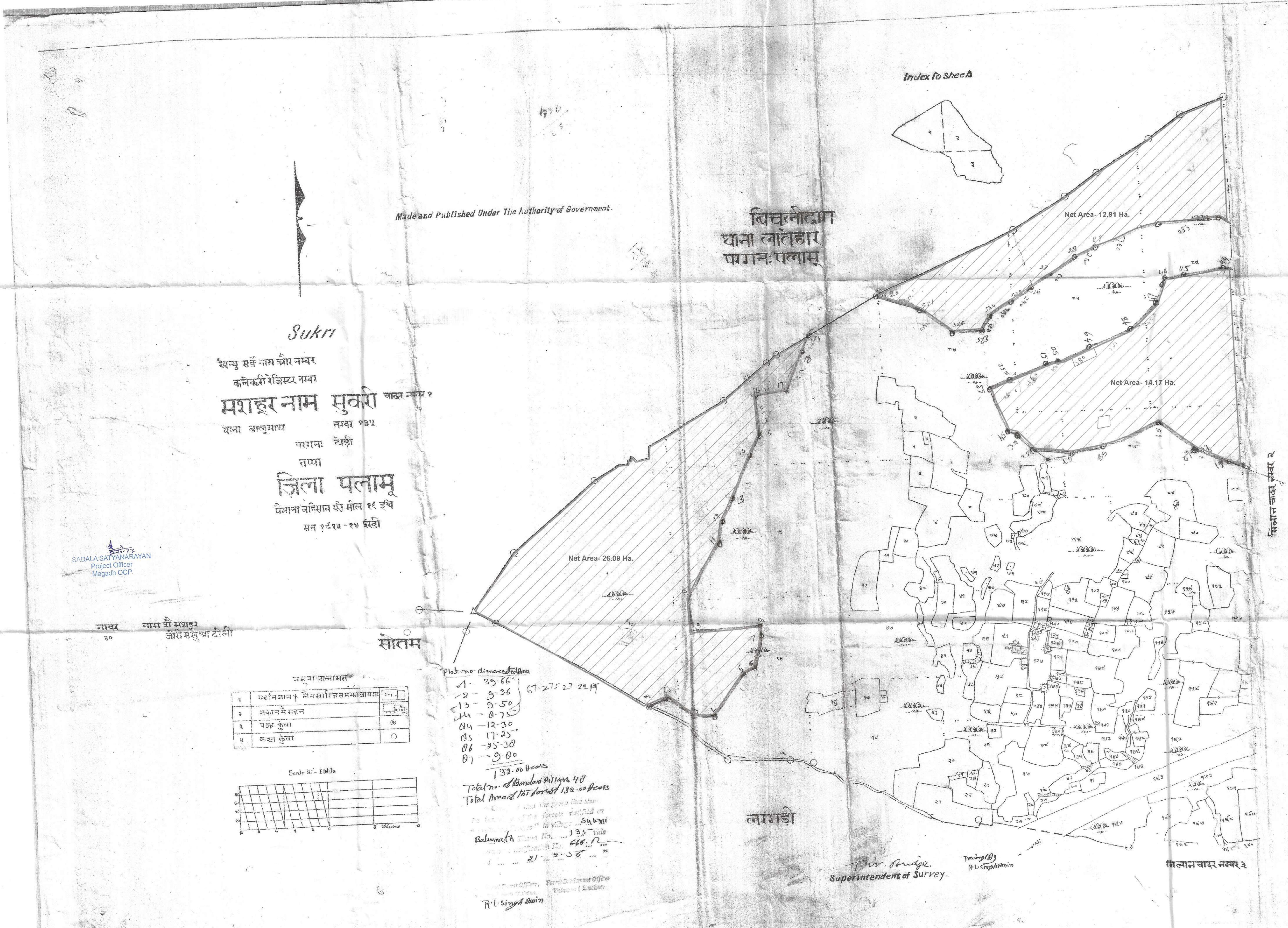
Forest Settlement Officer Palamau / Latehar

Copied

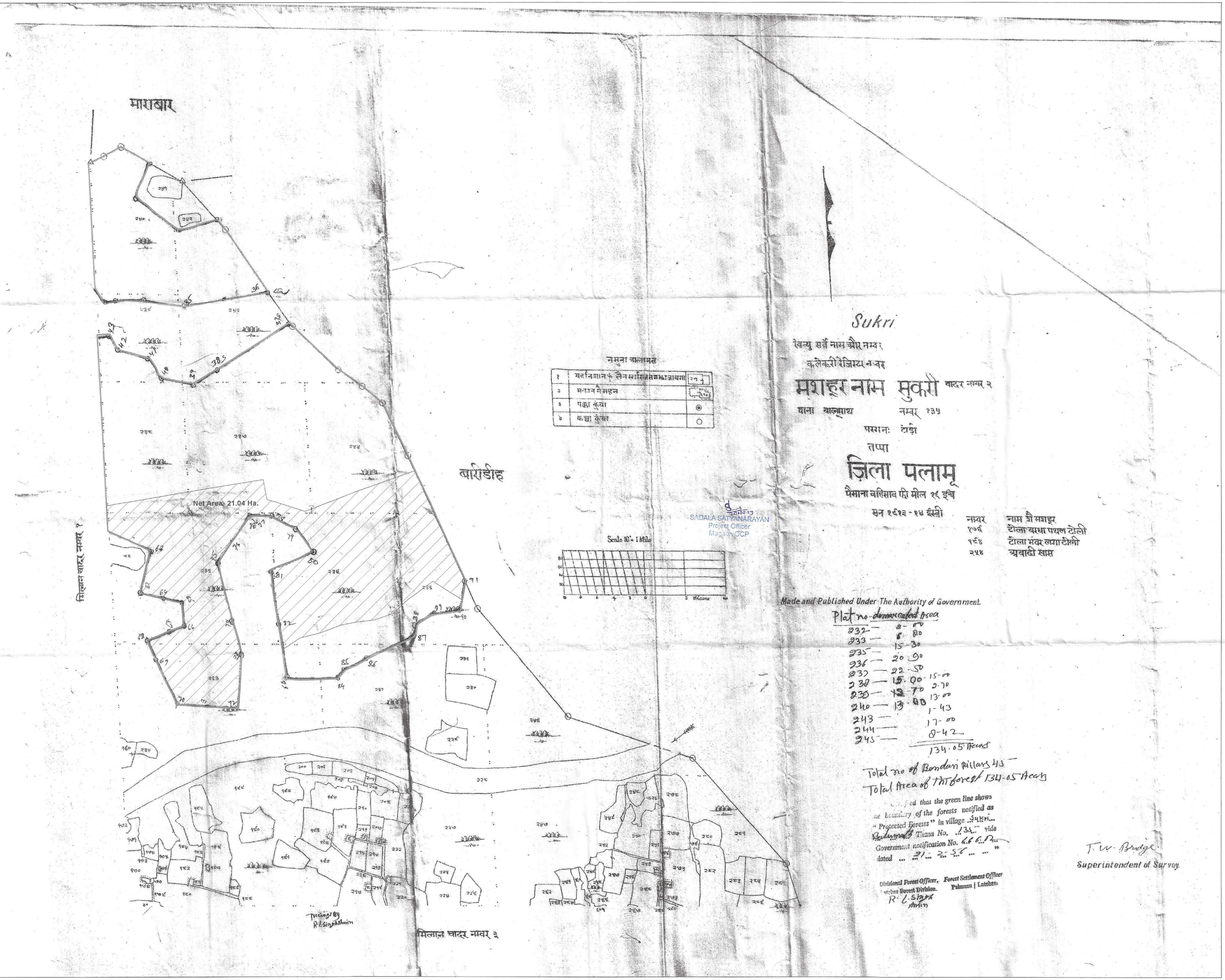
Scale 16" = 1 Mile

Chains

Superintendent of Survey.



Index To Sheets
Made and Published Under The Authority of Government.
बिचलीदाग
थाना लातेहार
परगना: पलामू
Net Area- 12.91 Ha.
Net Area- 14.17 Ha.
Net Area- 26.09 Ha.
Sukri
मशहूर नाम सुकरी
नम्बर १३५
तप्पा
ज़िला पलामू
SADALA SATYANARAYAN
Project Officer
Magadh OCP
सोतम
लागड़ी
Plat no. dimarcated Area
1 - 39.66
2 - 9.36
13 - 9.50
14 - 0.75
04 - 12.30
05 - 17.25
06 - 25.38
07 - 9.00
132.00 Acars
Total no. of Bondari Pillars 48
Total Area of the forest 132.00 Acars
Sukri
Balumath
135 vide
666
21 - 2 - 56
R.L. Singh Amin
Superintendent of Survey.
मिलान चादर नम्बर २
मिलान चादर नम्बर ३



माराबार
बरिडीह
मिलान चादर नम्बर २
मिलान चादर नम्बर ३
Net Area: 21.04 Ha.
SADALA SATYANARAYAN
Project Officer
Magadh OCP
Scale 16" = 1 Mile
Sukri
रेवन्यु सर्वे नाम और नम्बर
कलेक्टरी रेजिस्टर नम्बर
मशहूर नाम सुकरी चादर नम्बर २
थाना बालूमाथ नम्बर १३५
परगनः टोड़ी
तप्पा
ज़िला पलामू
पैमाना बहिसाब फी मील १६ इंच
सन १९१३ - १४ ईस्वी
नम्बर नाम मौजे मशहूर
१७६ टोला बाधा पथल टोली
१९४ टोला भंवर लगा टोली
२५४ आबादी खास
Made and Published Under The Authority of Government.
Plat no - demarcated Area
232 — 2-00
233 — 6-80
235 — 15-30
236 — 20-90
237 — 22-50
238 — 15-00 15-00
239 — 12-70 2-70
240 — 13-00 13-00
1-43
243 — 17-00
244 — 8-42
245 —
134-05 Acres
Total no of Boundari Pillars 45
Total Area of the forest 134-05 Acres
Certified that the green line shows the boundary of the forests notified as "Protected Forests" in village Sukri Balumath Thana No. 135 vide Government notification No. 666 dated 21-2-56
Divisional Forest Officer, Latehar Forest Division.
Forest Settlement Officer Palamau | Latehar
R. L. Singh Amin
T. W. Bridge
Superintendent of Survey.
Tracing By R. L. Singh Amin

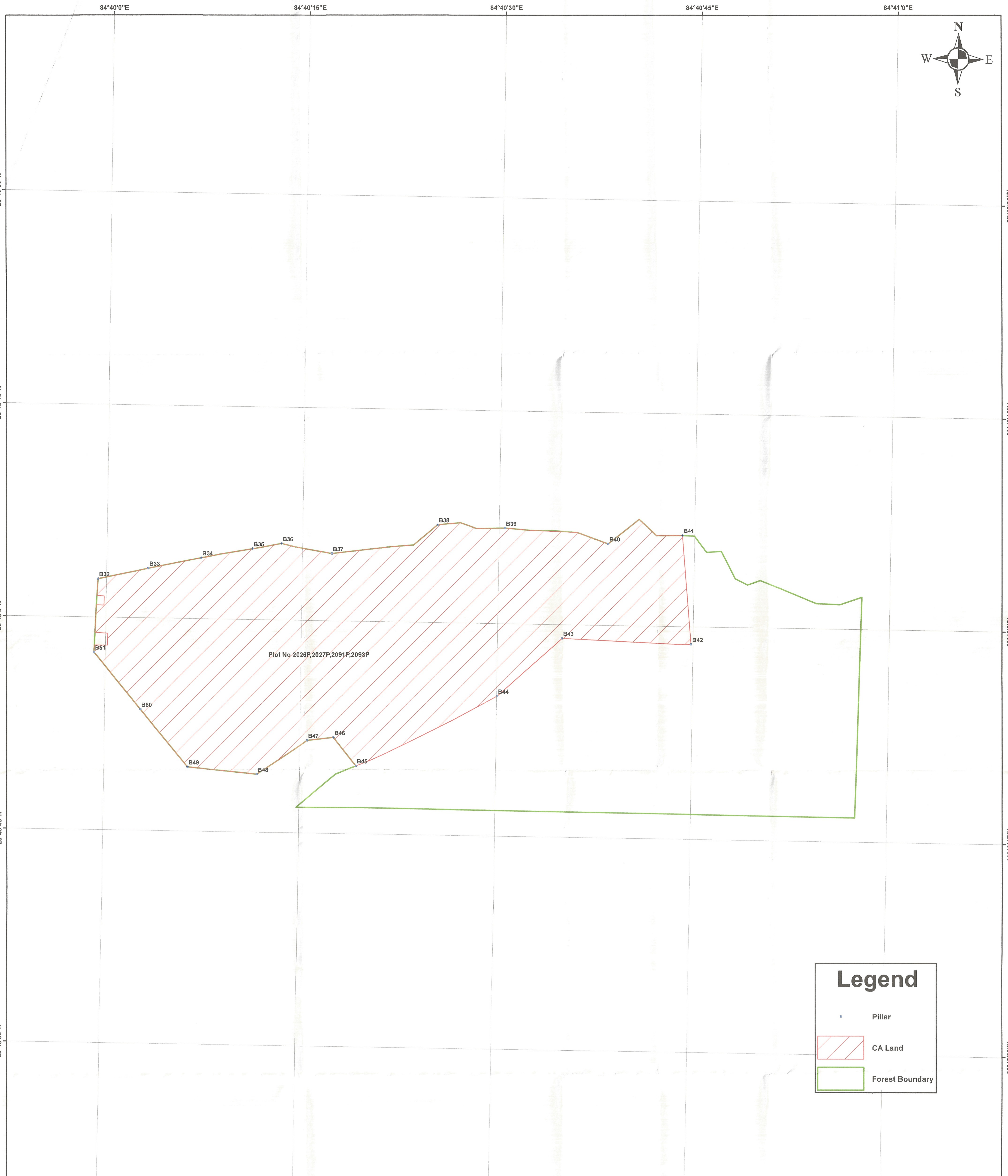


Table I					
List of Geographical Coordinates(in WGS84) of Forest Pillars					
Name	Latitude	Longitude	Name	Latitude	Longitude
B32	23° 49' 2.697" N	84° 39' 59.660" E	B42	23° 48' 58.758" N	84° 40' 45.161" E
B33	23° 49' 3.482" N	84° 40' 3.493" E	B43	23° 48' 59.038" N	84° 40' 35.271" E
B34	23° 49' 4.288" N	84° 40' 7.548" E	B44	23° 48' 54.889" N	84° 40' 30.351" E
B35	23° 49' 4.991" N	84° 40' 11.467" E	B45	23° 48' 49.800" N	84° 40' 19.639" E
B36	23° 49' 5.385" N	84° 40' 13.678" E	B46	23° 48' 51.777" N	84° 40' 17.903" E
B37	23° 49' 4.739" N	84° 40' 17.568" E	B47	23° 48' 51.540" N	84° 40' 15.888" E
B38	23° 49' 6.889" N	84° 40' 25.605" E	B48	23° 48' 49.083" N	84° 40' 12.035" E
B39	23° 49' 6.735" N	84° 40' 30.739" E	B49	23° 48' 49.527" N	84° 40' 6.718" E
B40	23° 49' 5.745" N	84° 40' 38.702" E	B50	23° 48' 53.543" N	84° 40' 3.047" E
B41	23° 49' 6.424" N	84° 40' 44.372" E	B51	23° 48' 57.517" N	84° 39' 59.444" E

Table II							
Distance & Bearing Between Forest Pillars							
Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
B32-B33	111.19	78°2244"	258°2244"	B42-B43	280.14	272°4156"	92°4156"
B33-B34	117.45	78°4542"	258°4542"	B43-B44	188.97	228°268"	48°268"
B34-B35	113.03	79°546"	259°546"	B44-B45	341.34	243°3730"	63°3730"
B35-B36	63.77	79°590"	259°590"	B45-B46	78.23	322°022"	142°022"
B36-B37	111.93	101°1038"	281°1038"	B46-B47	57.50	263°3935"	83°3935"
B37-B38	236.98	74°4321"	254°4321"	B47-B48	132.75	236°1254"	56°1254"
B38-B39	145.43	92°4856"	272°4856"	B48-B49	151.15	276°747"	96°747"
B39-B40	227.47	98°3747"	278°3747"	B49-B50	161.49	320°5257"	140°5257"
B40-B41	161.90	83°3131"	263°3131"	B50-B51	159.25	321°620"	141°620"
B41-B42	236.96	175°3143"	355°3143"	B51-B32	159.52	3°816"	183°816"

Table: III								
Plot-wise location and area of CA Land								
Sl.No.	Plot No.	Village	Thana No.	Thana	District	CA LandArea (in Ha.)	Perimeter(in Metre)	Gross Area (in Ha.)
1	2026P,2027P,2091P,2093P	Balu	100	Balumath	Latehar	46.04	3281.80	82.88
Total						46.04	3281.80	82.88

SADALA SATYANARAYAN
PROJECT OFFICER
MAGADH OCP

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Customer

Central Coalfields Limited

Project		Job No.
Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha. against Forest Land (98.17 Ha.) in Magad Railway siding (Latehar District), CCL		064322133

Subject	Activity	Name	Designation	Signature	Date
Plan Showing CA Land at Village- Balu Chadar No- 5 Thana: Balumath Thana No: 100 District: Latehar	Surveyed / Processed by	S.Dutta	Sr.Surveyor(C)		
		A.K Suman	Ch. Manager(M)		
	Checked by	M.Rastogi	GM (Civil)		
	Approved by	R.Kumar	GM (Geomatics)		
cmpdi A Mini Ratna Company	Scale -	1:3960		Sheet No. 1 of 1	
	Drg No.	HQS&DN23022		REV. 0	

SADALA SATYANARAYAN
Project Officer
Magadh OCP
20-10-23

Table I

List of Geographical Coordinates(in WGS84) of Forest Pillars

Name	Latitude	Longitude	Name	Latitude	Longitude
B1	23° 50' 32.199" N	84° 40' 23.161" E	B17	23° 50' 9.414" N	84° 40' 13.661" E
B2	23° 50' 32.859" N	84° 40' 28.169" E	B18	23° 50' 12.786" N	84° 40' 12.281" E
B3	23° 50' 34.134" N	84° 40' 30.044" E	B19	23° 50' 14.559" N	84° 40' 10.099" E
B4	23° 50' 32.784" N	84° 40' 33.452" E	B20	23° 50' 18.294" N	84° 40' 9.581" E
B5	23° 50' 28.685" N	84° 40' 31.871" E	B21	23° 50' 18.816" N	84° 40' 12.712" E
B6	23° 50' 26.492" N	84° 40' 30.732" E	B22	23° 50' 19.467" N	84° 40' 15.910" E
B7	23° 50' 24.233" N	84° 40' 29.725" E	B23	23° 50' 21.807" N	84° 40' 18.261" E
B8	23° 50' 22.116" N	84° 40' 29.669" E	B24	23° 50' 23.745" N	84° 40' 19.629" E
B9	23° 50' 19.541" N	84° 40' 28.229" E	B25	23° 50' 25.215" N	84° 40' 24.762" E
B10	23° 50' 18.104" N	84° 40' 28.170" E	B26	23° 50' 26.776" N	84° 40' 26.193" E
B11	23° 50' 16.838" N	84° 40' 29.147" E	B27	23° 50' 27.557" N	84° 40' 28.404" E
B12	23° 50' 13.409" N	84° 40' 28.189" E	B28	23° 50' 28.988" N	84° 40' 29.201" E
B13	23° 50' 12.964" N	84° 40' 24.308" E	B29	23° 50' 29.286" N	84° 40' 26.700" E
B14	23° 50' 12.206" N	84° 40' 21.957" E	B30	23° 50' 29.673" N	84° 40' 24.982" E
B15	23° 50' 12.933" N	84° 40' 18.868" E	B31	23° 50' 29.689" N	84° 40' 22.645" E
B16	23° 50' 11.123" N	84° 40' 18.545" E			

Table II

Distance & Bearing Between Forest Pillars

Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
B1-B2	143.22	82°4659"	262°4659"	B17-B18	110.90	340°1822"	160°1822"
B2-B3	66.01	54°2744"	234°2744"	B18-B19	82.40	312°2351"	132°2351"
B3-B4	105.04	114°1427"	294°1427"	B19-B20	115.87	353°4015"	173°4015"
B4-B5	133.87	200°2836"	20°2836"	B20-B21	90.08	80°4022"	260°4022"
B5-B6	74.78	206°2828"	26°2828"	B21-B22	92.71	78°2810"	258°2810"
B6-B7	75.15	203°1330"	23°1330"	B22-B23	98.06	43°4117"	223°4117"
B7-B8	65.14	182°1940"	2°1940"	B23-B24	71.11	33°5536"	213°5536"
B8-B9	89.13	208°945"	28°945"	B24-B25	152.21	73°3839"	253°3839"
B9-B10	44.25	183°56"	3°56"	B25-B26	62.82	41°421"	221°421"
B10-B11	47.78	145°3621"	325°3621"	B26-B27	67.05	69°5513"	249°5513"
B11-B12	108.93	195°2110"	15°2110"	B27-B28	49.48	28°421"	208°421"
B12-B13	110.71	263°4934"	83°4934"	B28-B29	71.39	278°1837"	98°1837"
B13-B14	70.53	251°3759"	71°3759"	B29-B30	50.06	284°4151"	104°4151"
B14-B15	90.25	285°1758"	105°1758"	B30-B31	66.17	271°2229"	91°2229"
B15-B16	56.46	190°1525"	10°1525"	B31-B1	78.61	11°391"	191°391"
B16-B17	147.92	250°711"	70°711"				

Table: III

Plot-wise location and area of CA Land

Sl.No.	Plot No.	Village	Thana No.	Thana	District	CA LandArea (in Ha.)	Perimeter(in Metre)	Gross Area (in Ha.)
1	2374P,2375P,2377P	Balu	100	Balumath	Latehar	21.43	2698.98	166.38
Total						21.43	2698.98	166.38

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Customer					
Central Coalfields Limited					
Project: Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha. against Forest Land (98.17 Ha.) in Magad Railway siding (Latehar District), CCL				Job No. 064322133	
Subject	Activity	Name	Designation	Signature	Date
Plan Showing CA Land at Village- Balu Chadar No- 6 Thana: Balumath Thana No: 100 District: Latehar	Surveyed / Processed by	S.Dutta	Sr.Surveyor(C)	[signature]	
		A.K Suman	Ch. Manager(M)	[signature]	
	Checked by	M.Rastogi	GM (Civil)	[signature]	
	Approved by	R.Kumar	GM (Geomatics)	[signature]	
cmpdi A Mini Ratna Company	Scale -	1:3960		Sheet No. 1 of 1	
	Drg No.	HQS&DN23022A		REV. 0	

Table I					
List of Geographical Coordinates(in WGS84) of Forest Pillars					
Name	**Latitude**	**Longitude**	**Name**	**Latitude**	**Longitude**
L1	23° 48' 56.899" N	84° 26' 41.787" E	L31	23° 48' 6.750" N	84° 27' 16.077" E
L2	23° 48' 52.965" N	84° 26' 49.033" E	L32	23° 48' 6.734" N	84° 27' 11.848" E
L3	23° 48' 49.345" N	84° 26' 55.494" E	L33	23° 48' 1.752" N	84° 27' 10.850" E
L4	23° 48' 45.422" N	84° 27' 1.904" E	L34	23° 47' 56.546" N	84° 27' 13.715" E
L5	23° 48' 45.122" N	84° 27' 8.112" E	L35	23° 47' 51.234" N	84° 27' 11.483" E
L6	23° 48' 42.727" N	84° 27' 13.461" E	L36	23° 47' 49.829" N	84° 27' 15.607" E
L7	23° 48' 40.415" N	84° 27' 11.781" E	L37	23° 47' 46.819" N	84° 27' 18.912" E
L8	23° 48' 38.840" N	84° 27' 10.909" E	L38	23° 47' 44.992" N	84° 27' 18.835" E
L9	23° 48' 38.296" N	84° 27' 7.869" E	L39	23° 47' 49.316" N	84° 27' 14.523" E
L10	23° 48' 38.516" N	84° 27' 6.657" E	L40	23° 47' 48.725" N	84° 27' 12.546" E
L11	23° 48' 38.218" N	84° 27' 4.579" E	L41	23° 47' 50.026" N	84° 27' 5.003" E
L12	23° 48' 37.808" N	84° 27' 3.239" E	L42	23° 47' 53.298" N	84° 27' 0.966" E
L13	23° 48' 37.051" N	84° 27' 0.529" E	L43	23° 47' 55.850" N	84° 26' 58.881" E
L14	23° 48' 32.809" N	84° 27' 1.088" E	L44	23° 47' 57.233" N	84° 26' 59.277" E
L15	23° 48' 29.954" N	84° 26' 55.148" E	L45	23° 48' 0.792" N	84° 26' 56.692" E
L16	23° 48' 31.272" N	84° 26' 53.965" E	L46	23° 48' 4.482" N	84° 26' 54.666" E
L17	23° 48' 33.766" N	84° 26' 51.894" E	L47	23° 48' 6.750" N	84° 26' 54.096" E
L18	23° 48' 37.069" N	84° 26' 52.378" E	L48	23° 48' 7.745" N	84° 26' 58.486" E
L19	23° 48' 39.027" N	84° 26' 51.174" E	L49	23° 48' 8.558" N	84° 27' 2.108" E
L20	23° 48' 40.993" N	84° 26' 52.611" E	L50	23° 48' 13.730" N	84° 27' 5.361" E
L21	23° 48' 43.924" N	84° 26' 51.805" E	L51	23° 48' 14.455" N	84° 27' 8.600" E
L22	23° 48' 42.912" N	84° 26' 49.909" E	L52	23° 48' 12.489" N	84° 27' 11.066" E
L23	23° 48' 41.358" N	84° 26' 46.999" E	L53	23° 48' 11.902" N	84° 27' 13.015" E
L24	23° 48' 49.053" N	84° 26' 44.901" E	L54	23° 48' 13.895" N	84° 27' 13.038" E
L25	23° 48' 54.514" N	84° 26' 42.640" E	L55	23° 48' 15.489" N	84° 27' 10.914" E
L26	23° 48' 55.361" N	84° 26' 41.033" E	L56	23° 48' 17.683" N	84° 27' 11.166" E
L27	23° 48' 15.393" N	84° 27' 20.265" E	L57	23° 48' 19.408" N	84° 27' 13.961" E
L28	23° 48' 14.284" N	84° 27' 17.584" E	L58	23° 48' 20.348" N	84° 27' 15.279" E
L29	23° 48' 8.351" N	84° 27' 20.826" E	L59	23° 48' 19.524" N	84° 27' 17.057" E
L30	23° 48' 6.749" N	84° 27' 18.236" E	L60	23° 48' 18.477" N	84° 27' 20.227" E

Table II							
Distance & Bearing Between Forest Pillars							
Line	**Distance**	**Fore-Bearing**	**Back-Bearing**	**Line**	**Distance**	**Fore-Bearing**	**Back-Bearing**
L1-L2	238.27	121°3441"	301°3441"	L31-L32	119.77	270°4815"	90°4815"
L2-L3	214.21	122°2233"	302°2233"	L32-L33	155.93	191°2837"	11°2837"
L3-L4	218.00	124°3919"	304°3919"	L33-L34	179.62	154°105"	334°105"
L4-L5	176.03	94°233"	274°233"	L34-L35	175.29	202°1012"	22°1012"
L5-L6	168.46	116°5847"	296°5847"	L35-L36	124.55	111°211"	291°211"
L6-L7	85.61	214°4822"	34°4822"	L36-L37	131.68	135°4350"	315°4350"
L7-L8	54.40	207°5935"	27°5935"	L37-L38	56.28	183°1438"	3°1438"
L8-L9	87.71	260°149"	80°149"	L38-L39	180.63	318°2926"	138°2926"
L9-L10	34.98	282°1017"	102°1017"	L39-L40	58.87	253°041"	73°041"
L10-L11	59.54	262°1132"	82°1132"	L40-L41	217.35	281°3857"	101°3857"
L11-L12	40.01	252°3853"	72°3853"	L41-L42	152.36	312°2348"	132°2348"
L12-L13	80.20	254°758"	74°758"	L42-L43	98.26	324°636"	144°636"
L13-L14	131.52	174°74"	354°74"	L43-L44	44.02	15°4530"	195°4530"
L14-L15	189.77	243°2629"	63°2629"	L44-L45	131.73	327°1643"	147°1643"
L15-L16	52.63	321°2953"	141°2953"	L45-L46	127.26	334°1344"	154°1344"
L16-L17	96.59	323°3848"	143°3848"	L46-L47	71.65	348°052"	168°052"
L17-L18	102.57	8°4157"	188°4157"	L47-L48	128.02	77°1136"	257°1136"
L18-L19	69.25	331°332"	151°332"	L48-L49	105.60	77°1946"	257°1946"
L19-L20	72.93	34°5721"	214°5721"	L49-L50	183.92	31°453"	211°453"
L20-L21	93.06	346°4938"	166°4938"	L50-L51	94.41	77°2136"	257°2136"
L21-L22	62.09	240°5421"	60°5421"	L51-L52	92.41	131°5637"	311°5637"
L22-L23	95.27	240°5422"	60°5422"	L52-L53	58.09	109°835"	289°835"
L23-L24	244.16	346°575"	166°575"	L53-L54	61.35	1°380"	181°380"
L24-L25	179.86	340°1022"	160°1022"	L54-L55	77.64	310°1349"	130°1349"
L25-L26	52.43	300°513"	120°513"	L55-L56	67.91	7°48"	187°48"
L26-L27	1657.57	138°5639"	318°5639"	L56-L57	95.31	57°1054"	237°1054"
L27-L28	83.25	246°507"	66°507"	L57-L58	47.21	53°1434"	233°1434"
L28-L29	204.40	154°201"	334°201"	L58-L59	56.39	117°4422"	297°4422"
L29-L30	88.37	237°632"	57°632"	L59-L60	95.38	110°4642"	290°4642"
L30-L31	61.15	271°29"	91°29"	L60-L1	1607.33	318°243"	138°243"

Table: III								
Plot-wise location and area of CA Land								
Sl.No.	**Plot No.**	**Village**	**Thana No.**	**Thana**	**District**	**CA LandArea (in Ha.)**	**Perimeter(in Metre)**	**Gross Area (in Ha.)**
1	1, 11, 14, 15, 170, 266, 263, 264, 278, 279, 280, 282	Largari	139	Balumath	Latehar	62.34	6985.46	62.34
Total						62.34	6985.46	62.34

Legend

- Pillar
- CA Land
- Forest Boundary

SADALA SATYANARAYAN
Project Officer
Magadh OCP

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Customer	**Central Coalfields Limited**				
Project	Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha. against Forest Land (98.17 Ha.) in Magad Railway siding (Latehar district), CCL			Job No. 064322133	
Subject	**Activity**	**Name**	**Designation**	**Signature**	**Date**
Plan Showing CA Land at Village- Largari Chadar No- 1 Thana: Balumath Thana No: 139 District: Latehar	Surveyed / Processed by	S.Dutta	Sr.Surveyor(C)		
		A.K Suman	Ch. Manager(M)		
	Checked by	M.Rastogi	GM (Civil)		
	Approved by	R.Kumar	GM (Geomatics)		
cmpdi A Mini Ratna Company	Scale -	1:3960		Sheet No. 1 of 1	
	Drg No.	HQS&DN230228		REV. 0	

Table: III								
Plot-wise location and area of CA Land								
Sl.No.	Plot No.	Village	Thana No.	Thana	District	CA LandArea (in Ha.)	Perimeter(in Metre)	Gross Area (in Ha.)
1	397P,338P	Largari	139	Balumath	Latehar	4.54	848.80	37.46
	Total					4.54	848.80	37.46

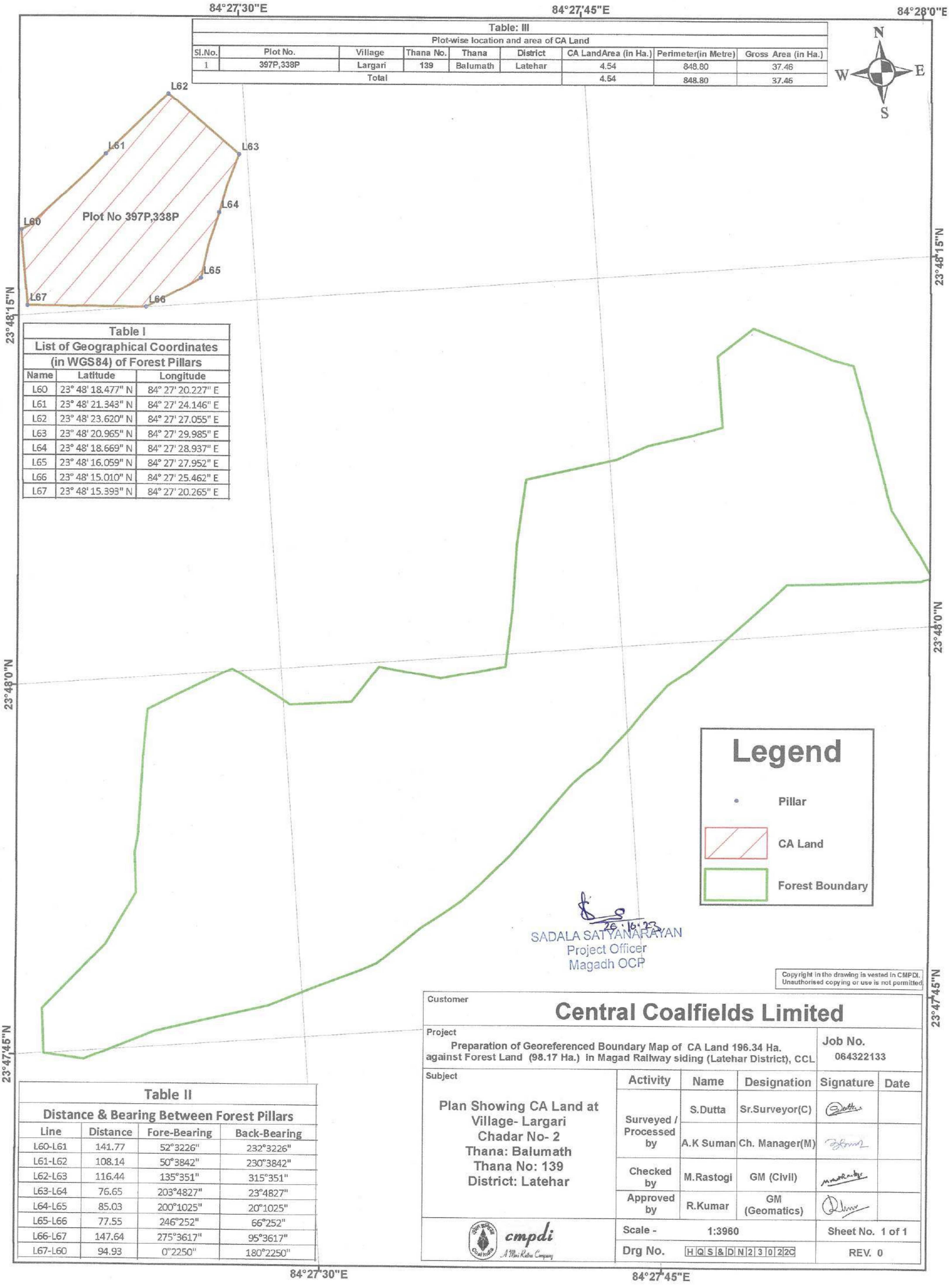

Table I		
List of Geographical Coordinates (in WGS84) of Forest Pillars		
Name	Latitude	Longitude
L60	23° 48' 18.477" N	84° 27' 20.227" E
L61	23° 48' 21.343" N	84° 27' 24.146" E
L62	23° 48' 23.620" N	84° 27' 27.055" E
L63	23° 48' 20.965" N	84° 27' 29.985" E
L64	23° 48' 18.669" N	84° 27' 28.937" E
L65	23° 48' 16.059" N	84° 27' 27.952" E
L66	23° 48' 15.010" N	84° 27' 25.462" E
L67	23° 48' 15.393" N	84° 27' 20.265" E

Table II			
Distance & Bearing Between Forest Pillars			
Line	Distance	Fore-Bearing	Back-Bearing
L60-L61	141.77	52°3226"	232°3226"
L61-L62	108.14	50°3842"	230°3842"
L62-L63	116.44	135°351"	315°351"
L63-L64	76.65	203°4827"	23°4827"
L64-L65	85.03	200°1025"	20°1025"
L65-L66	77.55	246°252"	66°252"
L66-L67	147.64	275°3617"	95°3617"
L67-L60	94.93	0°2250"	180°2250"

26.10.23
SADALA SATYANARAYAN
Project Officer
Magadh OCP

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Customer					
Central Coalfields Limited					
Project: Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha. against Forest Land (98.17 Ha.) in Magad Railway siding (Latehar District), CCL				Job No. 064322133	
Subject	Activity	Name	Designation	Signature	Date
Plan Showing CA Land at Village- Largari Chadar No- 2 Thana: Balumath Thana No: 139 District: Latehar	Surveyed / Processed by	S.Dutta	Sr.Surveyor(C)	[signature]	
		A.K Suman	Ch. Manager(M)	[signature]	
	Checked by	M.Rastogi	GM (Civil)	[signature]	
	Approved by	R.Kumar	GM (Geomatics)	[signature]	
cmpdi A Mini Ratna Company	Scale -	1:3960		Sheet No. 1 of 1	
	Drg No.	HQS&DN2302 2C		REV. 0	

Table I

List of Geographical Coordinates(in WGS84) of Forest Pillars

Name	Latitude	Longitude	Name	Latitude	Longitude
S1	23° 49' 16.772" N	84° 27' 9.258" E	S29	23° 49' 24.929" N	84° 27' 43.722" E
S2	23° 49' 12.935" N	84° 27' 7.482" E	S30	23° 49' 24.866" N	84° 27' 38.159" E
S3	23° 49' 12.649" N	84° 27' 4.859" E	S31	23° 49' 23.233" N	84° 27' 33.071" E
S4	23° 49' 9.588" N	84° 27' 5.073" E	S32	23° 49' 20.370" N	84° 27' 27.679" E
S5	23° 49' 8.036" N	84° 27' 4.242" E	S33	23° 49' 18.270" N	84° 27' 24.184" E
S6	23° 49' 4.972" N	84° 27' 2.816" E	S34	23° 49' 17.162" N	84° 27' 23.468" E
S7	23° 49' 3.239" N	84° 27' 1.880" E	S35	23° 49' 17.068" N	84° 27' 21.212" E
S8	23° 49' 1.707" N	84° 27' 1.630" E	S36	23° 49' 18.853" N	84° 27' 18.641" E
S9	23° 48' 57.519" N	84° 26' 59.036" E	S37	23° 49' 14.450" N	84° 27' 44.049" E
S10	23° 48' 54.895" N	84° 26' 59.223" E	S38	23° 49' 6.558" N	84° 27' 44.302" E
S11	23° 48' 55.168" N	84° 27' 4.796" E	S39	23° 49' 7.901" N	84° 27' 40.821" E
S12	23° 48' 52.231" N	84° 27' 4.293" E	S40	23° 49' 9.974" N	84° 27' 37.750" E
S13	23° 48' 48.749" N	84° 27' 0.959" E	S41	23° 49' 8.273" N	84° 27' 33.204" E
S14	23° 48' 48.842" N	84° 26' 59.430" E	S42	23° 49' 7.842" N	84° 27' 30.560" E
S15	23° 48' 50.208" N	84° 26' 57.286" E	S43	23° 49' 8.106" N	84° 27' 27.660" E
S16	23° 48' 49.485" N	84° 26' 55.324" E	S44	23° 49' 9.385" N	84° 27' 26.291" E
S17	23° 48' 53.318" N	84° 26' 48.527" E	S45	23° 49' 9.578" N	84° 27' 25.573" E
S18	23° 48' 56.918" N	84° 26' 41.859" E	S46	23° 49' 12.583" N	84° 27' 24.248" E
S19	23° 49' 1.123" N	84° 26' 45.103" E	S47	23° 49' 13.209" N	84° 27' 25.806" E
S20	23° 49' 6.469" N	84° 26' 51.891" E	S48	23° 49' 14.262" N	84° 27' 28.741" E
S21	23° 49' 8.017" N	84° 26' 56.232" E	S49	23° 49' 14.796" N	84° 27' 30.792" E
S22	23° 49' 12.147" N	84° 27' 2.329" E	S50	23° 49' 15.527" N	84° 27' 32.603" E
S23	23° 49' 15.484" N	84° 27' 6.735" E	S51	23° 49' 16.691" N	84° 27' 35.642" E
S24	23° 49' 19.861" N	84° 27' 15.236" E	S52	23° 49' 18.653" N	84° 27' 37.884" E
S25	23° 49' 24.487" N	84° 27' 26.305" E	S53	23° 49' 20.499" N	84° 27' 38.656" E
S26	23° 49' 28.658" N	84° 27' 33.323" E	S54	23° 49' 20.883" N	84° 27' 41.090" E
S27	23° 49' 32.846" N	84° 27' 40.159" E	S55	23° 49' 21.178" N	84° 27' 43.833" E
S28	23° 49' 33.981" N	84° 27' 43.465" E			

Table II

Distance & Bearing Between Forest Pillars

Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
S1-S2	128.36	204°545"	24°545"	S29-S30	157.54	270°1860"	90°1860"
S2-S3	74.78	264°1630"	84°1630"	S30-S31	152.57	251°4752"	71°4752"
S3-S4	94.42	177°214"	357°214"	S31-S32	176.30	241°25"	61°25"
S4-S5	53.26	207°1539"	27°1539"	S32-S33	118.18	237°5239"	57°5239"
S5-S6	102.58	204°1234"	24°1234"	S33-S34	39.69	211°469"	31°469"
S6-S7	59.54	207°2630"	27°2630"	S34-S35	63.95	268°2555"	88°2555"
S7-S8	47.70	189°3413"	9°3413"	S35-S36	91.20	308°445"	128°445"
S8-S9	148.34	210°4242"	30°4242"	S36-S37	732.09	101°4144"	281°4144"
S9-S10	80.95	177°1653"	357°1653"	S37-S38	243.01	179°208"	359°208"
S10-S11	158.02	87°594"	267°594"	S38-S39	106.89	293°4645"	113°4645"
S11-S12	91.49	189°5845"	9°5845"	S39-S40	107.86	307°1819"	127°1819"
S12-S13	142.84	222°2427"	42°2427"	S40-S41	138.97	248°5334"	68°5334"
S13-S14	43.38	274°4947"	94°4947"	S41-S42	76.04	260°5819"	80°5819"
S14-S15	73.85	305°4231"	125°4231"	S42-S43	82.51	276°4118"	96°4118"
S15-S16	59.83	249°1148"	69°1148"	S43-S44	55.23	316°2822"	136°2822"
S16-S17	225.77	302°3210"	122°3210"	S44-S45	21.20	287°1816"	107°1816"
S17-S18	218.93	301°263"	121°263"	S45-S46	99.80	338°5634"	158°5634"
S18-S19	158.72	36°2355"	216°2355"	S46-S47	48.16	67°2555"	247°2555"
S19-S20	253.02	50°2759"	230°2759"	S47-S48	89.21	69°4337"	249°4337"
S20-S21	131.86	69°5017"	249°5017"	S48-S49	60.33	75°1254"	255°1254"
S21-S22	214.38	54°3948"	234°3948"	S49-S50	56.01	67°2055"	247°2055"
S22-S23	161.58	51°3422"	231°3422"	S50-S51	93.21	68°2537"	248°2537"
S23-S24	275.85	61°4742"	241°4742"	S51-S52	87.62	47°2628"	227°2628"
S24-S25	344.23	66°3550"	246°3550"	S52-S53	60.88	22°418"	202°418"
S25-S26	236.59	58°934"	238°934"	S53-S54	69.92	81°1823"	261°1823"
S26-S27	232.56	57°2152"	237°2152"	S54-S55	78.20	84°220"	264°220"
S27-S28	99.89	70°3331"	250°3331"	S55-S1	988.35	263°831"	83°831"
S28-S29	278.71	179°3128"	359°3128"				

Table: III

Plot-wise location and area of CA Land

Sl.No.	Plot No.	Village	Thana No.	Thana	District	CA LandArea (in Ha.)	Perimeter(in Metre)	Gross Area (in Ha.)
1	1P,2P, 13P 14P, 84P, 85P, 86P	Sukri	135	Balumath	Latehar	53.17	6869.53	53.42
	Total					53.17	6869.53	54.42

84°26'30"E 84°26'45"E 84°27'0"E 84°27'15"E 84°27'30"E 84°27'45"E 84°28'0"E

23°48'30"N

SADALA SATYANARAYAN
Project Officer
Magadh OCP
20.10.23

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Customer: **Central Coalfields Limited**					
Project: Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha. against Forest Land (98.17 Ha.) in Magad Railway siding (Latehar District), CCL				Job No. 064319138	
Subject	Activity	Name	Designation	Signature	Date
Plan Showing CA Land at Village- Sukri Chadar No- 1 Thana: Balumath Thana No: 135 District: Latehar	Surveyed / Processed by	S.Dutta	Sr.Surveyor(C)	[signature]	
		A.K Suman	Ch. Manager(M)	[signature]	
	Checked by	M.Rastogi	GM (Civil)	[signature]	
	Approved by	R.Kumar	GM (Geomatics)	[signature]	
cmpdi — A Mini Ratna Company	Scale -	1:3960		Sheet No. 1 of 1	
	Drg No.	HQS&DN23022D		REV. 0	

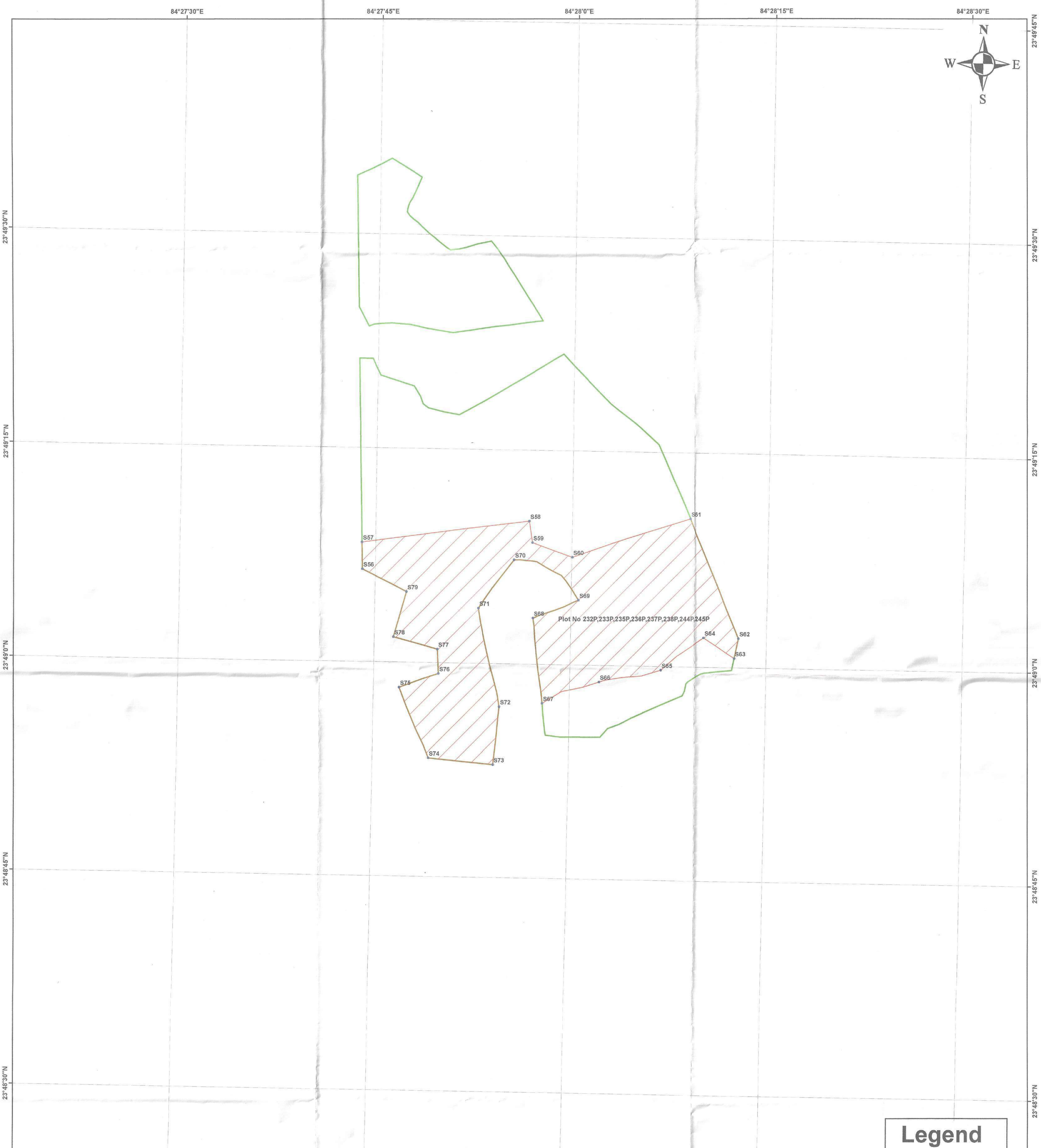

Table I

List of Geographical Coordinates(in WGS84) of Forest Pillars

Name	Latitude	Longitude	Name	Latitude	Longitude
S56	23° 49' 6.486" N	84° 27' 44.357" E	S68	23° 49' 3.251" N	84° 27' 57.437" E
S57	23° 49' 8.367" N	84° 27' 44.297" E	S69	23° 49' 4.546" N	84° 28' 0.891" E
S58	23° 49' 10.031" N	84° 27' 57.037" E	S70	23° 49' 7.295" N	84° 27' 55.917" E
S59	23° 49' 8.528" N	84° 27' 57.300" E	S71	23° 49' 3.878" N	84° 27' 53.247" E
S60	23° 49' 7.547" N	84° 28' 0.366" E	S72	23° 48' 56.971" N	84° 27' 54.985" E
S61	23° 49' 10.382" N	84° 28' 9.355" E	S73	23° 48' 52.902" N	84° 27' 54.573" E
S62	23° 49' 2.056" N	84° 28' 13.221" E	S74	23° 48' 53.306" N	84° 27' 49.603" E
S63	23° 49' 0.660" N	84° 28' 12.921" E	S75	23° 48' 58.227" N	84° 27' 47.296" E
S64	23° 49' 2.072" N	84° 28' 10.564" E	S76	23° 48' 59.236" N	84° 27' 50.287" E
S65	23° 48' 59.749" N	84° 28' 7.282" E	S77	23° 49' 0.955" N	84° 27' 50.177" E
S66	23° 48' 58.829" N	84° 28' 2.581" E	S78	23° 49' 1.768" N	84° 27' 46.794" E
S67	23° 48' 57.274" N	84° 27' 58.272" E	S79	23° 49' 4.940" N	84° 27' 47.724" E

Table II

Distance & Bearing Between Forest Pillars

Line	Distance	Fore-Bearing	Back-Bearing	Line	Distance	Fore-Bearing	Back-Bearing
S56-S57	57.92	359°208"	179°208"	S68-S69	105.61	68°5042"	248°5042"
S57-S58	364.37	82°5636"	262°5636"	S69-S70	164.29	302°051"	122°051"
S58-S59	46.84	171°5212"	351°5212"	S70-S71	129.51	216°4420"	36°4420"
S59-S60	91.91	110°1231"	290°1231"	S71-S72	218.22	167°5935"	347°5935"
S60-S61	269.05	72°66"	252°66"	S72-S73	125.79	186°2025"	6°2025"
S61-S62	278.66	157°5310"	337°5310"	S73-S74	141.29	276°425"	96°425"
S62-S63	43.80	192°1328"	12°1328"	S74-S75	164.95	337°4149"	157°4149"
S63-S64	79.63	304°65"	124°65"	S75-S76	90.19	70°5330"	250°5330"
S64-S65	117.27	233°2625"	53°2625"	S76-S77	53.01	357°3948"	177°3948"
S65-S66	136.10	259°16"	79°16"	S77-S78	99.01	285°3943"	105°3943"
S66-S67	131.07	249°3650"	69°3650"	S78-S79	101.14	16°714"	196°714"
S67-S68	185.47	353°426"	173°426"	S79-S56	106.54	297°3223"	117°3223"

Table: III

Plot-wise location and area of CA Land

Sl.No.	Plot No.	Village	Thana No.	Thana	District	CA LandArea (in Ha.)	Perimeter(in Metre)	Gross Area (in Ha.)
1	232P,233P,235P,236P,237P,238P,244P,245P	Sukri	135	Balumath	Latehar	21.04	3316.08	54.25
Total						21.04	3316.08	54.25

SADALA SATYANARAYAN
Project Officer
Magadh OCP

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Customer

Central Coalfields Limited

Project

Preparation of Georeferenced Boundary Map of CA Land 196.34 Ha. against Forest Land (98.17 Ha.) in Magad Railway siding (Latehar District), CCL

Job No. 064322133

Subject

Plan Showing CA Land at Village- Sukri Chadar No- 2 Thana: Balumath Thana No: 135 District: Latehar

Activity	Name	Designation	Signature	Date
Surveyed / Processed by	S.Dutta	Sr.Surveyor(C)	[signature]	
	A.K Suman	Ch. Manager(M)	[signature]	
Checked by	M.Rastogi	GM (Civil)	[signature]	
Approved by	R.Kumar	GM (Geomatics)	[signature]	

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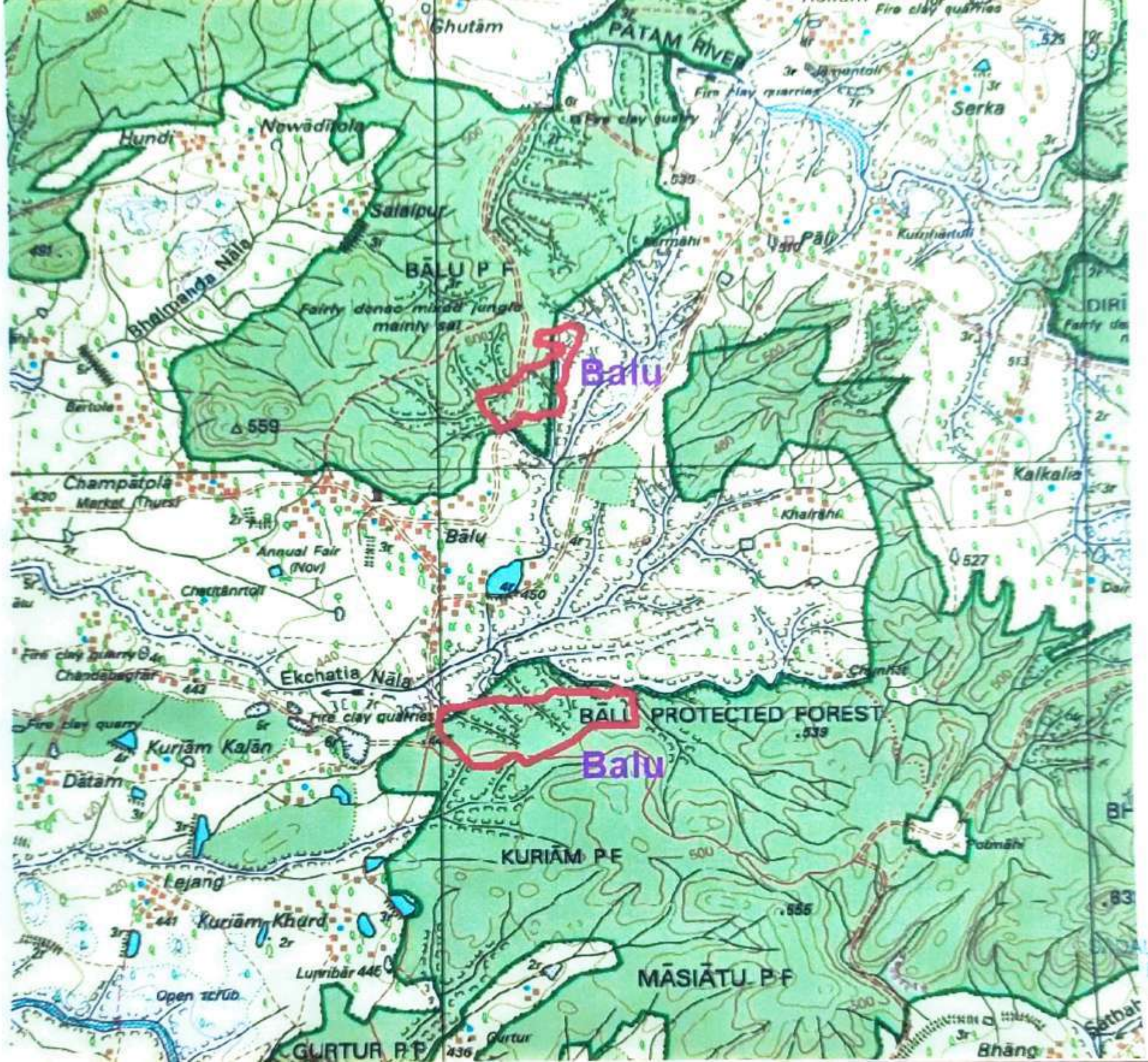
Scale - 1:4000

Sheet No. 1 of 1

Drg No. HQS&DN23022E

REV. 0



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No. F45A9

Scale 1:50,000

G45S8 Palāmu JHĀRKHAND	G45S12	G45S16 Chatra JHĀRKHAND
F45A5	**F45A9** 3 Lātehār JHĀRKHAND	F45A13
F45A6 1	F45A10 Lohārdaga JHĀRKHAND	F45A14 2

1 Gumla, JHĀRKHAND. 2 Rānchi, JHĀRKHAND.

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- Express highway: with toll; with bridge; with distance stone
- Roads, metalled: according to importance
- Roads, double carriageway: according to importance
- Unmetalled road. Cart-track. Pack-track with pass. Foot-path
- Streams: with track in bed; undefined. Canal
- Dams: masonry or rock-filled; earthwork. Weir
- River: dry with water channel; with island & rocks. Tidal river
- Submerged rocks. Shoal. Swamp. Reeds
- Wells: lined; unlined. Tube-well. Spring. Tanks: perennial; dry
- Embankments: road or rail; tank. Broken ground
- Railways, broad gauge: double; single with station; under constrn.
- Railways, other gauges: double; single with distance stone; do
- Mineral line or tramway. Kiln. Cutting with tunnel
- Contours with sub-features. Rocky slopes. Cliffs
- Sand features: (1)flat.(2)sand-hills (permanent). (3)dunes(shifting).
- Towns or Villages: inhabited; deserted. Fort
- Huts: permanent; temporary. Tower. Antiquities.
- Temple. Chhatri. Church. Mosque. Īdgāh. Tomb. Graves
- Lighthouse. Lightship. Buoys: lighted; unlighted. Anchorage
- Mine. Vine on trellis. Grass. Scrub
- Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees
- Areas: cultivated; wooded. Surveyed tree
- Boundary, international
- " state: demarcated; undemarcated
- " district; subdivision, tahsil or tāluk; forest
- Boundary pillars: surveyed; unlocated; village trijunction.
- Heights, triangulated: station; point; approximate. △ 200 . 200 . 200
- Bench-mark: geodetic; tertiary; canal. BM 63·3 . BM 63·3 . 63
- Post office. Telegraph office. Overhead tank.
- Rest house or Inspection bungalow. Circuit house. Police station
- Camping ground. Forest: reserved; protected CG RF PF
- Spaced names: administrative; locality or tribal KIKRI NĀGA
- Hospital. Dispensary. Veterinary hospital
- Aerodrome. Helipad. Tourist site
- Power line: with pylons surveyed; with poles unsurveyed

NOTES :–

Heights are in metres and above Indian mean sea level.
Contours are approximate.
Tanks shown dry, in this area, usually contain water from July to January.
A relative height, . 8r, represents the approximate height, in meters, between the top and bottom of a steep slope.
The information regarding the forests in this sheet is not complete.
Wells are numerous in southern half of the sheet, only the important ones have been shown.
The kilometre stone numbers along roads, are shown in slant type, e.g., *5* whereas milestone numbers are shown in upright type, e.g. 5.
Cultivation is periodic and dependent on rainfall.

COMPILATION INDEX

A. Surveyed during 1978–79. Updated for major details during 1982 – 83 and 2004–06.

Projection – UTM *Datum – WGS 84*

Magnetic Variation from True North about $\frac{1}{4}^\circ$ West in 2005.
(Decreasing by about 1′ annually).

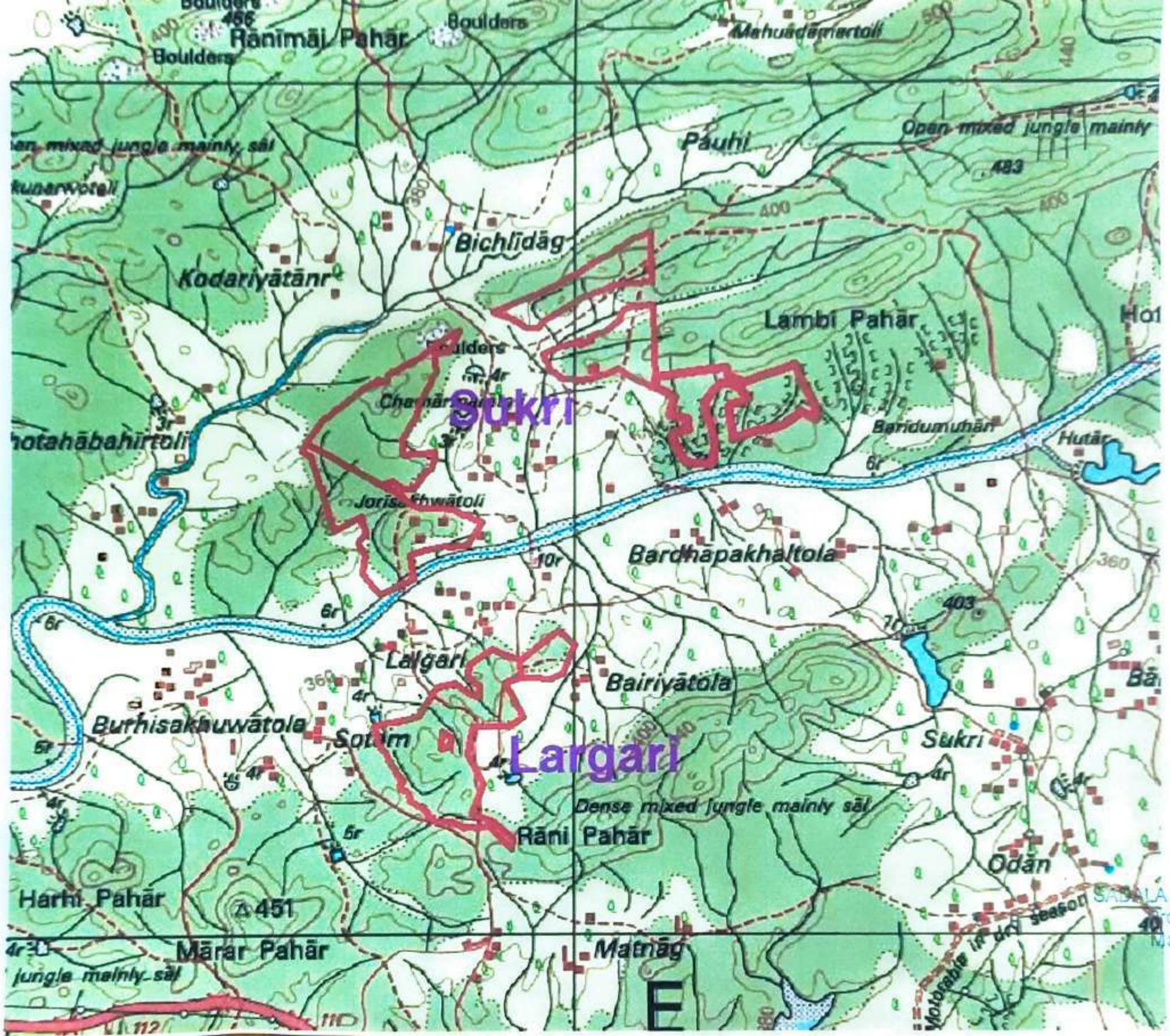
500 m to 1 cm **1:50,000** 2 cm to 1 km

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 20 METRES

ADALA SATYANARAYAN
Project Officer
Magadh OCP

For further details about this map, please contact
Director
Jhārkhand Geo-Spatial Data Centre
Survey of India, Doranda
Rānchi-834002
Fax : 0651 – 2482789



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Project Officer
Magadh OCP

निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No.F45A5

Scale 1:50,000

G45S4	G45S8 Palāmu JHĀRKHAND	G45S12 Chatra JHĀRKHAND
F45A1	F45A5 Lātehār JHĀRKHAND	F45A9
F45A2	F45A6 Gumla JHĀRKHAND	F45A10 Lohārdaga JHĀRKHAND

1 Surguja, CHHATTISGARH. 2 Garhwa, JHĀRKHAND.

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REFERENCES

BDO Block Development Office. *NH 75* National Highway No. 75.

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Contours are approximate.
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A relative height, .8r, represents the approximate height, in metres, between the top and bottom of a steep slope.
The district boundary between Lātehār and Palāmu Districts has been surveyed as pointed out by the local officials on the ground, but has not been verified by the District authorities.
Forest boundaries have not been shown for want of reliable information.
The kilometre stone numbers along roads and the railway are shown in slant type, e. g., '5' whereas mile stone numbers are shown in upright type, e. g., '5'.

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