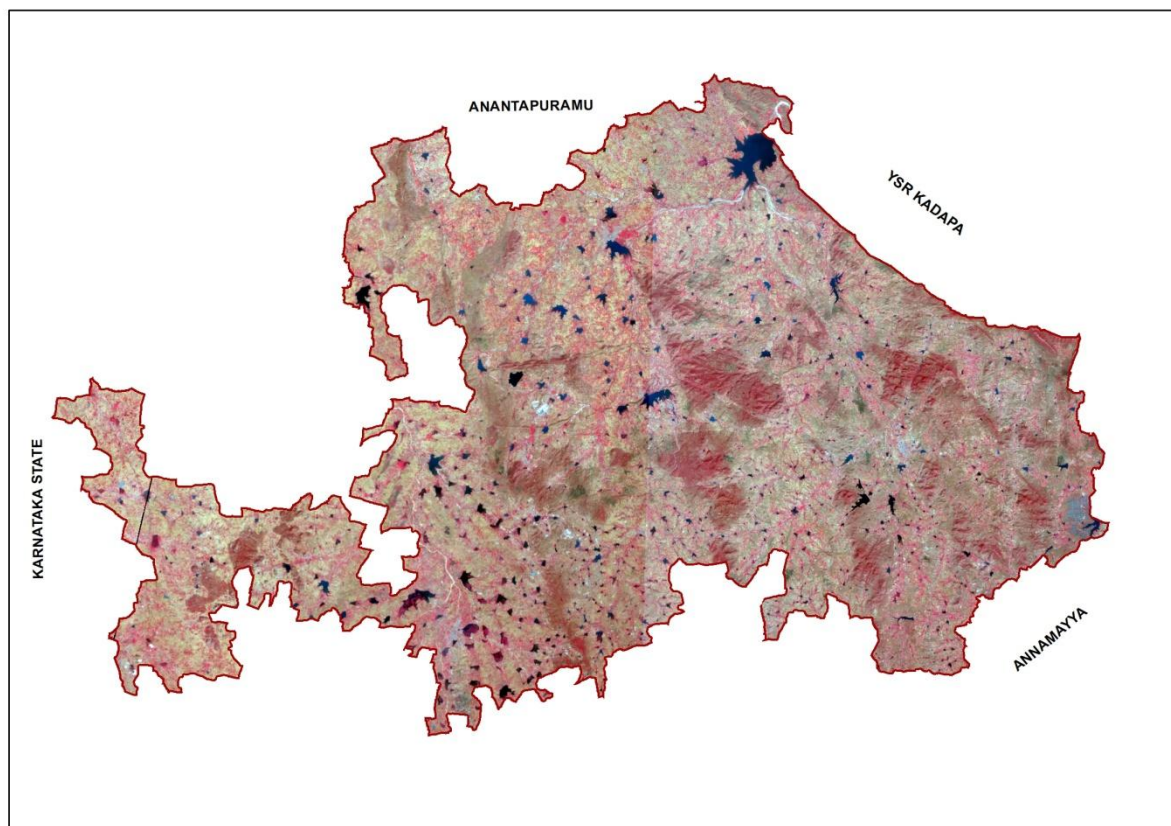


DISTRICT SURVEY REPORT FOR SAND AND OTHER MINOR MINERALS SRI SATHYA SAI DISTRICT, ANDHRA PRADESH

(FOR THE DEPARTMENT OF MINES AND GEOLOGY, GOVT. OF AP)

As per Notification No. S.O. 141 (E), 15.01.2016, S.O. 3611(E), 25.07.2018, & Enforcement & Monitoring Guidelines for Sand Mining 2020 of MOEF&CC, GoI



Prepared by



**ANDHRA PRADESH SPACE APPLICATIONS CENTRE (APSAC)
ITE&C Department, Govt. of Andhra Pradesh**

Submitted to



**DEPARTMENT OF MINES AND GEOLOGY
Government of Andhra Pradesh**

December, 2023

Andhra Pradesh Space Applications Centre Document Control Sheet

1	Security Classification	Unrestricted		
2	Distribution	User Department of the Directorate of Mines and Geology for official use only		
3	Report / Document version	(a) Issue no.1 (b) Issue no.2	(b) Revision and Date	21-07-2023 13-12-2023
4	Report / Document Type	Technical Document		
5	Document Control Number	APSAC-DMG-2023		
6	Title	District Survey Report – Sri Sathya Sai District 2023		
7	Particulars of collation	Pages - 155	Tables - 31	Figures-33
8	Project Co-ordinators	Sri. A. Nageswara Rao, Director(Technical), Sri.VVRM Narayana Rao, Director(Admin)and Dr.T.Vani, Scientist-SC		
9	Scrutiny Mechanism	Enclosed (PTO)		
10	Technical Reviewed by	Sri. A. Nageswara Rao, Director(Technical), Sri.Dr.Govindu, Senior Consultant, APSAC		
11	Final Review	Sri.C. Chandrasekhar Reddy, Advisor, APSAC, ITE&C Dept. GoAP		
12	Affiliation of authors	Andhra Pradesh Space Applications Centre, ITE & C Department, Govt. of Andhra Pradesh		
13	Approved by :	Dr. Sundar Balakrishna, IFS Vice Chairman, APSAC ITE & C Department, Govt. of Andhra Pradesh		
14	Originating unit	Andhra Pradesh Space Applications Centre (APSAC), ITE & C Department, Govt. of Andhra Pradesh		
15	Sponsor(s) / Name and Address	Department of Mines and Geology (DMG), Govt. of AP		
16	Date of Initiation	June 2023		
17	Date of Publication	December 2023		

Report Scrutiny Mechanism

S.No.	Name of the Chapter	Maps Prepared/ Data Generated by (Senior Project Associate/Project Associate)	Draft Report Prepared by	Quality Checked by	Signature
1	Chapter-I	Sri. D.Krishna Smt.N.Vijayasanthi Smt. M.Vanajakshi Sri. N.Venkaiah Smt. D. Jnaneswari Sri.R.Kanaka Durgaiah, Smt. V.Sujatha Sri. G.Suresh Babu Sri. B. Ramanarasimha Rao Dr.K.Raghuveer Naidu Smt.M.Madavi Sri.K.Appalanaidu Smt. Swarajyalakshmi Technical Support: Smt. M.Vanajakshi, Sri. M.N.Naik, Sri.A.Pavan Kumar	Sri KLK Reddy Smt. N.Prathyusha Sri.Ch. Tata Babu Sri. Sudheer Kumar Tiwari, Sri. N.Venkaiah Sri.R.Sriramam urty Smt.B. Sunanda Sri. G.Suresh Babu	Sri. G. Prasada Rao, Scientist-SF	
				Sri. S. Chandra Sekhar, Scientist-SC	
				Sri.Ch.Tata Babu, Scientist-SC	
				Sri R. Kannan, Scientist-SC	
				Sri. Sudheer Kumar Tiwari, Scientist-SC	
2	Chapter-II and Chapter-III	Sri. P Raja Babu, Joint Director, DMG Dr.M.J.Ratnakanth Babu, Royalty Inspector, DMG			
3	Report compiled	Dr.T.Vani, Scientist-SC			
4	Technical Review by	Sri. A. Nageswara Rao, Director(Technical)			
5	Final Review	Dr.Sundar Balakrishna, IFS Vice-Chairman, APSAC			

PREFACE

The Natural resource inventory is the assessment of the status of a given natural resource of an area at a given point in time. Population pressure results in over- exploitation of resources. The baseline information on the resources would help the administration for better planning and decision making. The main purpose of the report is to disseminate data on the natural resource up to the lowest administrative functionary to facilitate micro level planning and development. The efforts have been made to assess and document the information on land use/land cover, crop, surface water resource, soils, slope, groundwater prospects, groundwater quality, geological information, and minerals resources in Sri Sathya Sai district, Andhra Pradesh, based on the satellite remote sensing data and socioeconomic information.

The Department of Mines and Geology (DMG), Government of Andhra Pradesh (AP) requested the Andhra Pradesh Space Applications Center (APSAC) to update the district survey reports with availability of sand mineral information, major and minor mineral details, and river morphology for all the districts in the State. The District Survey report emphasizes and updated the major and minor minerals in the districts of AP. The District Survey reports are updated following the "Sustainable Sand Mining guidelines" issued in 2016 and 2020 and SO 741 of 2016 of the Ministry of Environment, Forests and Climate Change provided by the DMG. The comments received from the public, if found fit, shall be incorporated in the report. A list of leases in the district will be provided by the concerned Assistant Directors of Mines and Geology.

The report is an outcome of the efforts of the Scientists and Project Associates at APSAC. I heartily congratulate the team for compiling the report.

(Dr.SundarBalakrishna, IFS)
Vice-Chairman
APSAC

ACKNOWLEDGEMENTS

Our sincere gratitude to **Sri Gopal Krishna Dwivedi, IAS, Principal Secretary**, Department of Mines and Geology, Govt. of Andhra Pradesh for whole-hearted support.

Our sincere gratitude to **Sri Kona Sasidhar, IAS, Secretary to Government**, Information Technology, Electronics and Communications (ITE&C), Govt. of Andhra Pradesh and the **Chairman**, APSAC Governing Body, for his constant encouragement.

We would like to express our sincere gratitude to **Dr. Sundar Balakrishna, IFS, Special Secretary to Government**, Information Technology, Electronics and Communications (ITE&C), Govt. of Andhra Pradesh and the **Vice-Chairman, APSAC** Govt. of Andhra Pradesh, for his meticulous guidance and supervision.

We are grateful to the **Sri. V.G. Venkata Reddy, Director**, Department of Mines and Geology, Govt. of Andhra Pradesh for entrusting the work for the preparation of District Survey Reports of Andhra Pradesh.

We owe a great deal to **Sri. P Raja Babu, Joint Director**, Department of Mines and Geology for his overall support and guidance during the execution of this work.

We are very much thankful to **Dr.M.J.Ratnakanth Babu, Royalty Inspector (Head Office)**, Mines and Geology for his support to complete the work successfully.

We are also thankful to the **District Mines and Geology Officer**, Sri Sathya Sai District for their support in providing information

Our sincere thanks are due to the scientific staff of APSAC who has generated all the thematic maps for District Survey Reports.

APSAC

Contents

CHAPTER I – INTRODUCTION & GENERAL PROFILE	1
1.1 ADMINISTRATIVE SETUP	1
1.2 PHYSIOGRAPHY	3
1.2.1 Physiography	3
1.2.2 Relief	3
1.2.3 Climate & Rainfall	5
1.2.4 Drainage	9
1.3 POPULATION AND LITERACY	9
1.4 LAND UTILIZATION PATTERN	13
1.4.1 Land Use / Land Cover	13
1.4.2 Spatial Distribution of Land Use / Land Cover	13
1.4.3 Forest Cover Distribution	22
1.4.4 Agricultural Resources in Sri Sathya Sai District	26
1.4.5 Soil Resources of the Sri Sathya Sai District	27
1.4.6 Horticulture	31
1.4.7 Salt-affected Land	32
1.5 GROUND WATER PROSPECTS IN THE DISTRICT:	34
1.6 INFRASTRUCTURE	36
1.6.1 Transport Network	36
1.6.2 Irrigation	40
1.6.3 Eco-sensitive areas and Important places	44
1.6.4 Places of Religious and Cultural importance	45
1.7 DRAINAGE PATTERN	48
1.7.1 Drainage	48
1.7.2 Geomorphology of the District:	50
1.7.3 Landforms of Fluvial origin	52
1.7.4 Landforms of Structural Origin	52
1.7.5 Landforms of denudational origins	53
1.7.6 Structural Features of Sri Sathya Sai District	54
1.7.7 Ground Water Quality in Sri Sathya Sai District	56
CHAPTER – II MINOR MINERALS	58
2.1 OVERVIEW OF MINING ACTIVITY	58
2.2 GEOLOGY OF THE DISTRICT	58
2.3 MINOR MINERAL RESOURCES OF SRI SATHYA SAI DISTRICT:	64
2.4 DETAILS OF ROYALTY IN LAST 3 YEARS	123
2.5 DETAILS OF PRODUCTION IN LAST 3 YEARS	125
2.6 IMPACT ON ENVIRONMENT	127
2.7 REMEDIAL MEASURES	128
2.8 RECLAMATION MEASURES	130
2.9 RISK ASSESSMENT & DISASTER MANAGEMENT PLAN	131
2.10 PLANTATION & GREEN BELT DEVELOPMENT	132
CHAPTER III: SAND	133
3.1 SAND MINERAL RESOURCES OF THE SRI SATHYA SAI DISTRICT	133
3.1.1 General Sand Mineral Details Sri Sathya Sai District	133
3.1.2 River Basins in Sri Sathya Sai District	133

3.1.3	<i>Process of Deposition of Sediments in the Rivers of the District.....</i>	137
3.1.4	<i>Replenishment Study.....</i>	142
3.1.5	<i>Details of Sand Mining Leases:.....</i>	143
3.1.6	<i>Details of De-Siltation Location: (Lakes/Ponds/Dams etc.).....</i>	144
3.1.7	<i>Details of Patta Lands in the District:</i>	145
3.1.8	<i>Details of M-Sand Plants in the District:</i>	145
3.1.9	<i>Details of Cluster of Sand Mining Leases.....</i>	145
3.1.10	<i>Details of Contiguous Clusters</i>	146
3.1.11	<i>Sand Reaches Details in Sri Sathya Sai District</i>	146
REFERENCES		154

List of Tables

Table 1 List of mandals covered in each Revenue division	1
Table 2 Average Annual Rainfall (mm) in the district, during the year 1999-2021 ..5	
Table 3 Population Statistics Summary of 2011 Census	11
Table 4 Literacy statistics summary of 2011 Census	12
Table 5 Category-wise distributions of Land Use/Land Cover during 2015-16.....15	
Table 6 Forest cover distribution in Sri Sathya Sai District.....23	
Table 7 Vegetation condition and range in percentage	27
Table 8 Soil classes in Sri Sathya Sai district	28
Table 9 Area of horticultural crops in Sri Sathya Sai district.....31	
Table 10 Road Category wise Lengths.....36	
Table 11 Major and Medium Irrigation Projects in Sri Sathya Sai District.....40	
Table 12 Mandal wise Minor Irrigation Tanks details of Sri Sathya Sai district	43
Table 13 Important places of Tourism in Sri Sathya Sai district.....44	
Table 14 The list of statements showing leases for working and nonworking leases in respect of O/o Asst. Director of Mines and Geology, Puttaparthi in Sri Sathyasai District.....68	
Table 15: Statement showing the list of the letter of intent (LoI) in the district...122	
Table 17 Details of Royalty in last 3 years	123
Table 18 Details of Production in last 3 years	125
Table 19 Details of Production of Sand in Last three years in the District	133
Table 20 Hydrological units of Sri Sathya Sai District.....134	
Table 21 Drainage System with Description of main rivers	134
Table 22 Salient Features of Important Rivers in Sri Sathya Sai District	134
Table 23 River Lengths in Sri Sathya Sai District.....135	
Table 24 List of mandals covered by rivers.....143	
Table 25 The detail of Potential Sand Mining Leases	143
Table 26: Probable Sand bearing in the Sri Satya Sai District.....144	
Table 27 List of Potential De-Siltation Location: (Lakes/Ponds/Dams etc.) (Existing and proposed).....144	
Table 28 Details of Patta Lands.145	
Table 29 Shown Details of Details of M-Sand Plants.....145	
Table 30 Details Cluster of Mining Leases in Sri Sathya Sai District.....145	
Table 31 Details of Contiguous Cluster of Sand Reaches in Sri Sathya Sai District146	

LIST OF CONTENTS AS PER THE GAZETTE NO: 2827,Dt:25.07.2018

Sri Satya Sai District - DSR 2023		
S.No	PROCEDURE FOR PREPARATION OF DISTRICT SURVEY REPORT FOR SAND MINING OR RIVER BED MINING	Page Number
1	Introduction	1
2	Overview of Mining Activity in the District	58
3	The List of Mining Leases in the District with location, area and period of validity	68
4	Details of Royalty or Revenue received in last three years	133
5	Detail of Production of Sand or Bajri or minor mineral in last three years	133
6	Process of Deposition of Sediments in the rivers of the District	137
7	General Profile of the District	1
8	Land Utilization Pattern in the district: Forest, Agriculture, Horticulture, Mining etc	13
9	Physiography of the District	4
10	Rainfall: month-wise	5
11	Geology and Mineral Wealth	58
12	District wise detail of river or stream and other sand source	135
13	District wise availability of sand or gravel or aggregate resources	133
14	District wise detail of existing mining leases of sand and aggregates	143
15	Drainage system with description of main rivers	134
16	Salient Features of Important Rivers and Streams	134
17	Mineral Potential	64
FORMAT FOR PREPARATION OF DISTRICT SURVEY REPORT FOR MINOR MINERALS OTHER THAN SAND MINING OR RIVER BED MINING		
18	Introduction	1
19	Overview of Mining Activity in the District	58
20	General Profile of the District	1
21	Geology of the District	58
22	Drainage of Irrigation pattern	40
23	Land Utilisation Pattern in the District: Forest, Agricultural, Horticultural, Mining etc	13
24	Surface Water and Ground Water scenario of the district	48, 56
25	Rainfall of the district and climatic condition	5
26	Details of the mining leases in the District as per the following format	68
27	Details of Royalty or Revenue received in last three years	123
28	Details of Production of Minor Mineral in last three years	125
29	Mineral Map of the District	67
30	List of Letter of Intent (LOI) Holders in the District along with its validity as per the following format	122
31	Total Mineral Reserve available in the District	64
32	Quality /Grade of Mineral available in the District	64
33	Use of Mineral	64

Sri Satya Sai District - DSR 2023		
34	Demand and Supply of the Mineral in the last three years	67
35	Mining leases marked on the map of the district	66
36	Details of the area of where there is a cluster of mining leases viz. number of mining leases, location (latitude and longitude)	67
37	Details of Eco-Sensitive Area, if any, in the District	44
38	Impact on the Environment (Air, Water, Noise, Soil, Flora & Fauna, land use, agriculture, forest etc.) due to mining activity	127
39	Remedial Measures to mitigate the impact of mining on the Environment	128
40	Reclamation of Mined out area (best practice already implemented in the district, requirement as per rules and regulation, proposed reclamation plan)	130
41	Risk Assessment & Disaster Management Plan;	131
42	Details of the Occupational Health issues in the District. (Last five-year data of number of patients of Silicosis & Tuberculosis is also needs to be submitted)	9
43	Plantation and Green Belt development in respect of leases already granted in the District	132

List of Abbreviations

APSAC	: Andhra Pradesh Space Applications Centre
APMMC	: Andhra Pradesh Minor Mineral Concession
AMSL	: Above Mean Sea Level
AWiFS	: Advanced Wide Field Sensor
APWALTA	: Andhra Pradesh State Water, Land and Trees Authority
APMDC	: Andhra Pradesh Mineral Development Corporation
Bgl	: Below ground level
BT Road	: Bituminous Road
Cl	: Chlorine
CC Road	: Cement concrete
CRZ	: Coastal Regulatory Zone
CPSU	: Central Public Sector Undertaking
CGWB	: Central Ground Water Board
cu.m/day	: Cubic meter per day
DSR	: District Survey Report
DMG	: Directorate of Mines and Geology
DM&GO	: District Mines and Geology Officer
DES	: Directorate of Economics and Statistics
DEM	: Digital Elevation Model
dS/m	: Decisiemens per meter
EIA/EMP	: Environmental Impact Assessment
F	: Fluorine
FAC	: Full Additional Charge
FASAL	: Forecasting Agricultural output using Space, Agrometeorology and Land-based observations
Fe	: Iron
Ft	: feet
GD	: Geosciences Division
GIS	: Geographical Information System
GSI	: Geological Survey of India
Ha	: Hactar
Km	: Kilometer
IRS	: Indian Remote Sensing Satellite
ITE and C	: Information Technology Electronics and Communications
LISS	: Linear Imaging Self Scanning
LULC	: Land Use / Land Cover
Lps	: Litres per second

M	: meter
Mi	: mile
mm	: millimetre
MT	: Million Tonne
MoEF	: Ministry of Environment and Forests
MSL	: Mean Sea Level
NIRD	: National Institute of Rural Development
NH	: National Highway
NaNO ₃	: Sodium nitrate
NRSA	: National Remote Sensing Agency
NRSC	: National Remote Sensing Centre
PESA	: Panchayats Extension to Scheduled Areas
pH	: Power of hydrogen
PSD	: Performance Security Deposit
PSU	: Public sector Undertakings
R2	: ResourceSat-2
RGNDWM	: Rajiv Gandhi National Drinking Water Mission
RWS and S	: Rural Water Supply and Sanitation
SAR	: Synthetic Aperture Radar
SEB	: Special Enforcement Bureau
SO ₄	: Sulfate
Sq.Km	: Square Kilometre
Sq.m	: Square metre
TA	: Tantalum
TIN	: Triangular Irregular Network
TGA	: Total Geographical Area
TIS	: Tank Information System
TTD	: Tirumala Tirupati Devasthanams
WBM	: Water Bound Macadam

Chapter I – Introduction & General Profile

1.1 Administrative Setup

Sri Sathya Sai District is one of the eight districts of the Rayalaseema region in the state of Andhra Pradesh. Sri Sathya Sai District was established on 4th April 2022 from the parts of the erstwhile Anantapuramu District with Puttaparthi town as a district headquarters.

Geographically, the Sri Sathya Sai district is bounded on north by Anantapuramu district, west and south west by Karnataka state, and on the east by Annamayya and Y.S.R. Kadapa districts. The total geographical area of the district is 8,925 Sq.km. It is covered with the 4 Revenue divisions namely Dharmavaram, Kadiri, Penukonda and Puttaparthi. There are 32 no. of revenue mandals and 463 Revenue villages in the District. Mudigubba mandal has the maximum number of villages (27) and Rolla mandal has the minimum number of villages (7). Out of 32 mandals of the district, the maximum area is occupied by Mudigubba mandal (526.88 Sq.km) and the minimum area is occupied by Agali mandal (123.87 Sq.km).

The mandals covered in each Revenue division are shown in the Table-1 and its spatial distribution is shown in the Figure-1.

Table 1 List of mandals covered in each Revenue division

Dharmavaram Division	Kadiri Division	Penukonda Division	Penukonda Division
Bathalapalle	Amadagur	Agali	Bukkapatnam
Chennekothapalle	Gandlapenta	Amarapuram	Gorantla
Dharmavaram	Kadiri	Chilamathur	Kothacheruvu
Kanaganapalle	Nallacheruvu	Gudibanda	Nallamada
Mudigubba	Nambulipulikunta	Hindupur	Obuladevaracheruvu
Ramagiri	Talupula	Lepakshi	Puttaparthi
Tadimarri	Tanakal	Madakasira	
		Parigi	
		Penukonda	
		Roddam	
		Rolla	
		Somandepalle	

Data Source: APSAC, Vijayawada.



1.2 Physiography

1.2.1 Physiography

Physiographically, Sri Sathya Sai District is a pediplain area adjoining north-western and western uplands. The district is bounded on North by Ananthapuramu District, on the East by YSR Kadapa District & Chittoor District and on West and South West by Karnataka State.

1.2.2 Relief

The slope distribution clearly shows that the district terrain is a hilly region with undulating plains. The slope is distributed from nearly level to very steep slopes over the district shown in Figure-2. About 13% of the land is in nearly level (0-1%) sloping areas. It can be seen in the parts of north, and south-western parts of the district along with very gently sloping areas. The very gently sloping (1-3%) areas covered 40.69% of the district's geographical area. The gently sloping areas (3-5%) are found along the scrub lands and cover about 25.54% of the district total. The hilly and forest regions contain moderately sloping, strongly sloping, steeply sloping, and very steep slopes, which occupy 7.99%, 7.27%, 3.58%, and 1.98% respectively. These areas are concentrated in the district's east, south-east, west and central regions.

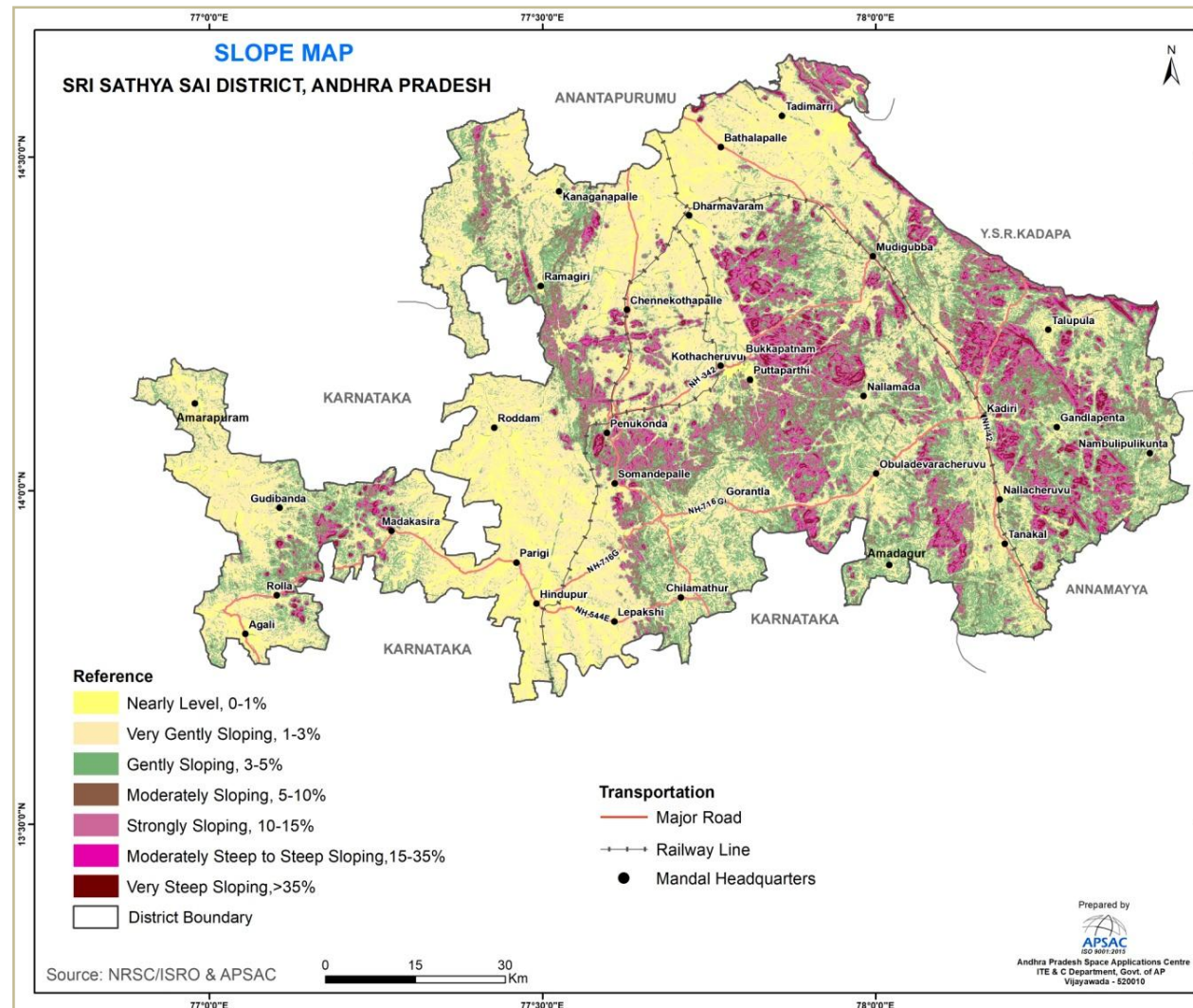


Figure-2: Slope Map of Sri Sathya Sai District

1.2.3 Climate & Rainfall

Climate:

The District of Sri Satya Sai has a fairly good elevation which provides the district with a tolerable climate throughout the year. There is a gradual rise in Hindupur, Parigi, Lepakshi, Chilamathur, Agali, Rolla and Madakasira Mandals in the South to join the Karnataka Plateau where the average elevation is about 2000 feet above the MSL.

The Geographical position of the Peninsula renders it the driest part of the State and hence, agriculture conditions are more often precarious. Monsoon also evades this part due to its unfortunate location. Being far from the east coast, it does not enjoy the full benefits of north east monsoon and being cut off by the high Western Ghats, the South West Monsoon is also prevented from penetrating and punching the thirst of these parched soils. The mean minimum and maximum temperatures recorded in the district are 17.5°C to 17.7°C in January and 37.6°C to 39.2°C in May, respectively. The locations of Automatic Weather Stations (AWS) in the Sri Satya Sai district are shown in Figure-3.

Rainfall:

The average annual rainfall of the district is 596.33 mm, of which 336.92 mm falls as South-West (June-September) monsoon and 173.14 mm as North-East (October-December) monsoon. The mean minimum and maximum temperatures recorded in the district are 17.5°C to 17.7°C in January and 37.6°C to 39.2°C in May, respectively. The average rainfall for the last 25 years is used for the analysis. The average annual rainfall is shown in Figure-4 and details are given in Table-2.

Table 2 Average Annual Rainfall (mm) in the district, during the year 1999-2021

S.No	Month	Average Annual Rainfall (mm)
1	January	1.72
2	February	3.61
3	March	9.18
4	April	19.89

5	May	51.87
6	June	62.72
7	July	67.87
8	August	80.60
9	September	125.74
10	October	115.05
11	November	49.50
12	December	8.59
Total		596.33

Data source: AWS & APSDPS, Vijayawada

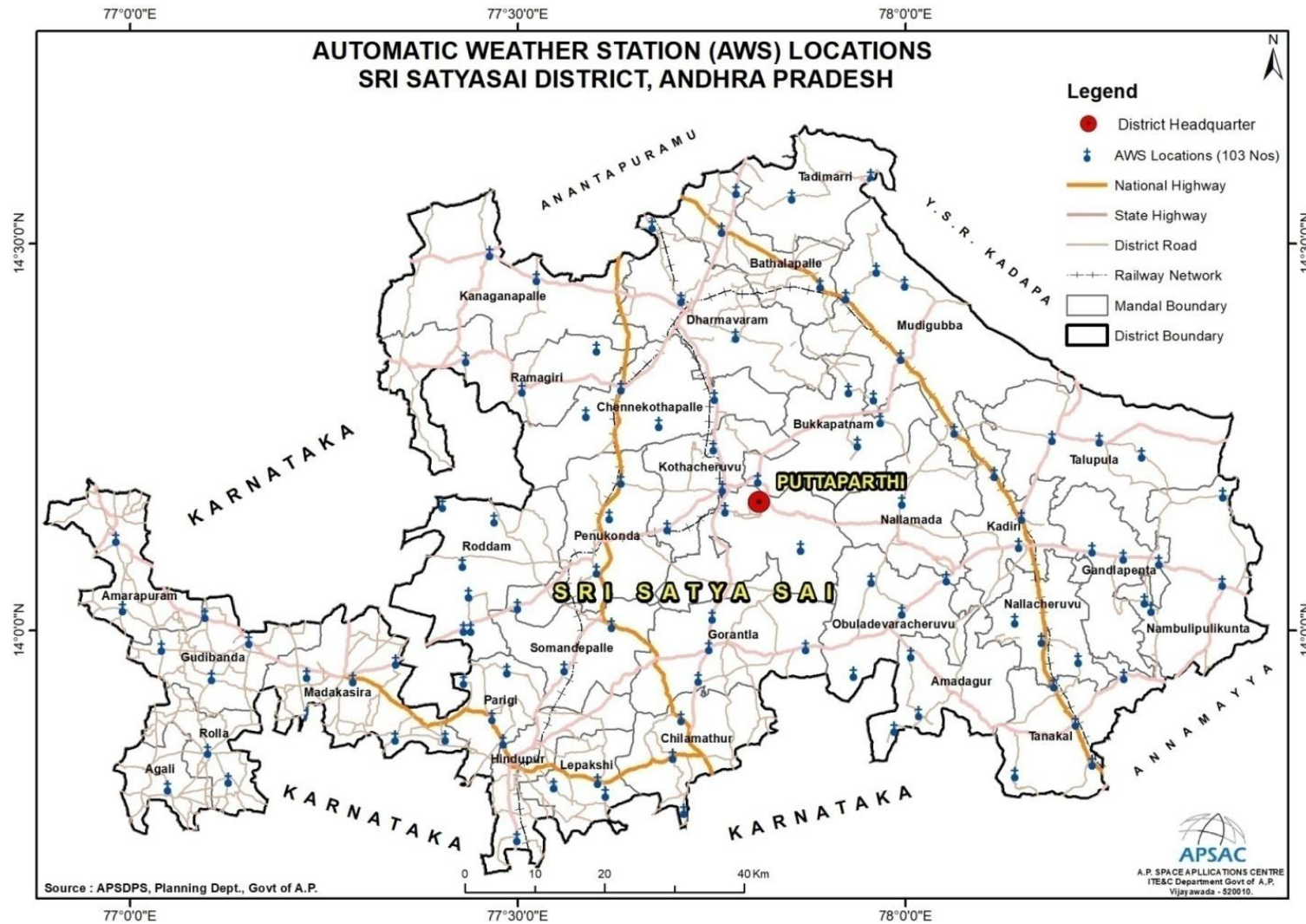


Figure-3: Locations of Automatic Weather Stations (AWS) in Sri Sathya Sai District

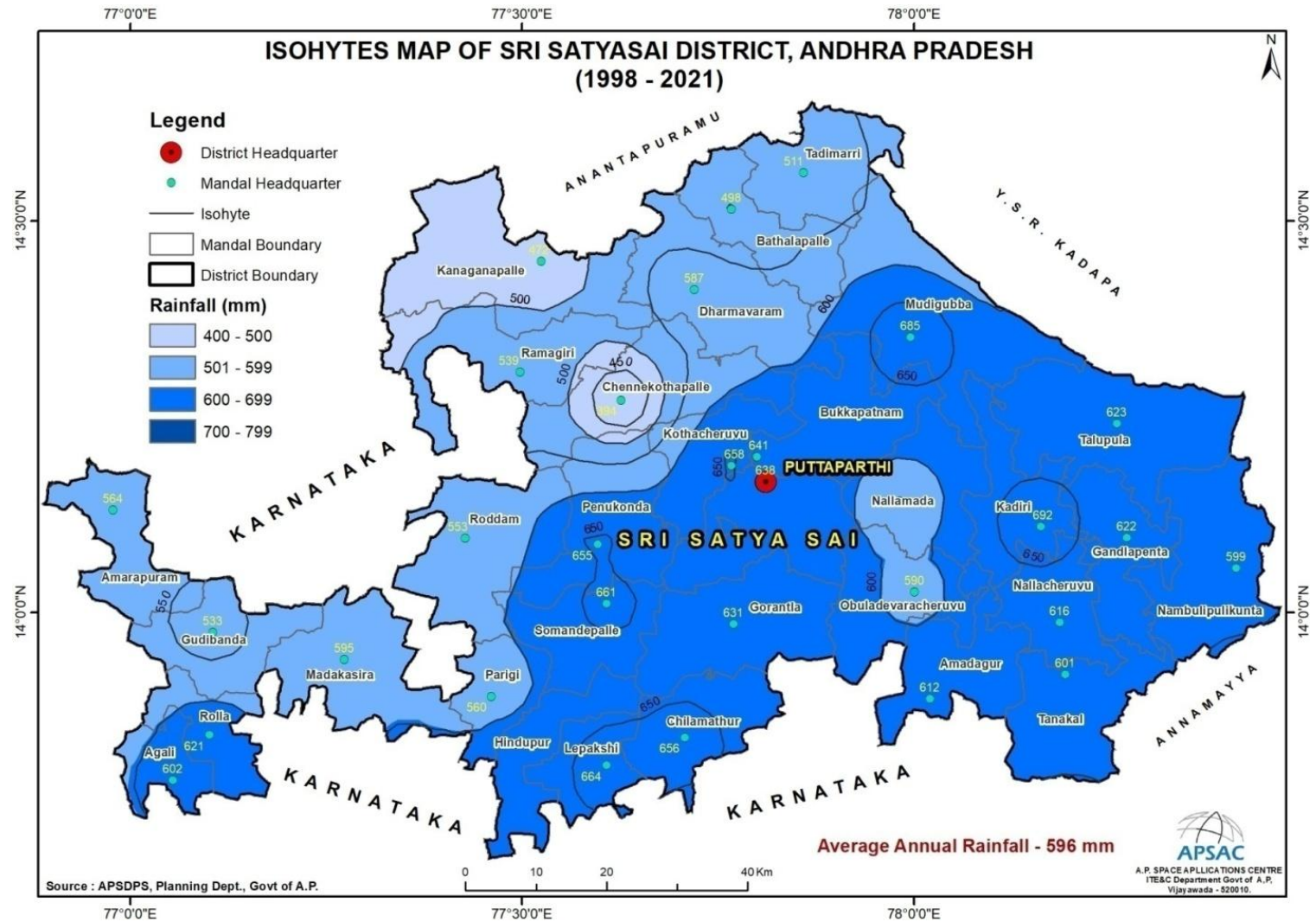


Figure-4: Rainfall distribution in Sri Sathya Sai District

1.2.4 Drainage

The important river in the district is the Pennar River and its tributaries cover 90% of the total area. The remaining part of the river is partially covered with Hagari and Vedavathi Rivers. The Pennar River originates in the Nandi Hills of Karnataka State where it is called "Uttara Pinakini" and enters this district in the extreme south of Hindupur mandal and flows through Parigi, Roddam, Ramagiri and Kanaganapalle mandals. The river flows towards a north direction and leaves the district near Konetinanipalem in Kanaganapalli mandal. The major tributaries are Chitravathi and Papagni rivers in the district.

1.3 Population and Literacy

Population:

The total population of the district is 18,40,043; of which male and female are 9,31,593 and 9,08,450 respectively as per the 2011 census of India. Among the all mandals, Hindupur Mandal has the highest population of 2,03,538; whereas Gandlapenta Mandal has the lowest population of 26,183.

The total schedule caste(SC) population in the district is 2,48,993; of which, male and female are 1,25,313 and 1,23,680 respectively. The schedule tribe (ST) population is 83,966; of which male and female are 42,558 and 41,408 respectively. The mandal wise population is shown in the Table-3, The mandal wise spatial distribution of total population is depicted in the Figure-5.

Literacy:

As per the 2011 census of India, the total literacy of the district is 10,38,578 and out of which male and female are 6,05,488 and 4,33,090 respectively. The total illiterates of the district are 8,01,465 and out of which male and female are 3,26,105 and 4,75,360 respectively. The mandal wise Literacy Statistics Summary is shown in the Table-4.

Details of the Occupational Health issues in the District (Last five-year data of number of patients of Silicosis): No cases were reported during last 5 years due to mining activity.

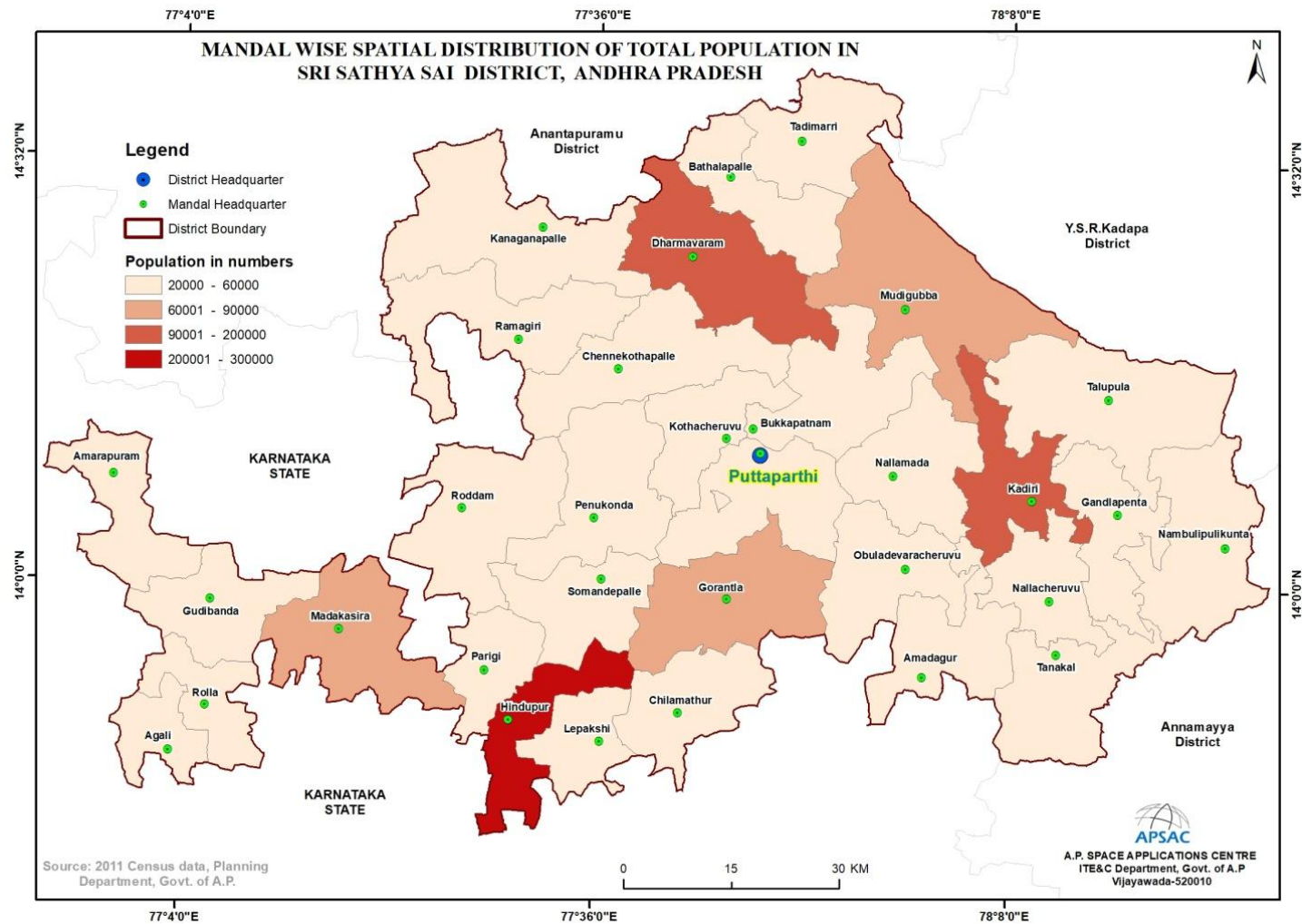


Figure-5: Mandal wise Spatial Distribution of Population in Sri Sathya Sai district, Andhra Pradesh

Table 3 Population Statistics Summary of 2011 Census

S.No	Mandal Name	Total House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Male SC Population	Female SC Population	Total ST Population	Male ST Population	Female ST Population
1	Agali	7963	36253	18511	17742	7586	3886	3700	278	154	124
2	Amadagur	7355	29520	14704	14816	3934	1921	2013	1161	602	559
3	Amarapuram	12132	55771	27997	27774	12860	6242	6618	533	273	260
4	Bathalapalle	10074	39373	20117	19256	6050	3004	3046	2197	1118	1079
5	Bukkapatnam	10763	40149	20089	20060	3982	2034	1948	3198	1615	1583
6	Chennekothapalle	10999	44351	22679	21672	5914	2974	2940	1636	852	784
7	Chilamathur	12217	51456	25759	25697	6786	3389	3397	1373	690	683
8	Dharmavaram	42891	172479	88233	84246	11761	5872	5889	6009	3106	2903
9	Gandlapenta	6687	26183	13191	12992	2629	1291	1338	2465	1273	1192
10	Gorantla	19125	77271	39009	38262	8017	4043	3974	6820	3556	3264
11	Gudibanda	11486	52610	26964	25646	12449	6348	6101	950	485	465
12	Hindupur	46860	203538	102664	100874	23304	11786	11518	2343	1139	1204
13	Kadiri	29935	125373	62448	62925	7732	3912	3820	9492	4584	4908
14	Kanaganapalle	9481	39673	20529	19144	6916	3547	3369	1688	868	820
15	Kothacheruvu	10696	39046	19626	19420	3528	1743	1785	1603	823	780
16	Lepakshi	10493	45122	23100	22022	7697	3886	3811	563	300	263
17	Madakasira	18763	81227	41068	40159	18029	9111	8918	2852	1466	1386
18	Mudigubba	15531	60469	30435	30034	5903	2971	2932	7620	3883	3737
19	Nallacheruvu	7996	31036	15550	15486	3140	1582	1558	1527	766	761
20	Nallamada	10567	41376	20963	20413	4948	2361	2587	5060	2624	2436
21	Nambulipulikunta	8137	31404	15750	15654	2805	1416	1389	1956	964	992
22	Obuladevara cheruvu	12111	48308	24588	23720	5766	2935	2831	2388	1139	1249
23	Parigi	13767	58225	30003	28222	11970	6141	5829	308	185	123
24	Penukonda	13713	55383	28280	27103	7478	3793	3685	3672	1901	1771
25	Puttaparthi	15472	59000	29954	29046	7439	3786	3653	4533	2327	2206
26	Ramagiri	8063	34001	17364	16637	6945	3538	3407	1048	519	529
27	Roddam	11536	51168	25889	25279	9923	5029	4894	542	269	273
28	Rolla	8805	39964	20350	19614	8123	4110	4013	626	316	310
29	Somandepalle	11670	47591	24340	23251	7875	3993	3882	1318	662	656
30	Tadimarri	8572	32385	16426	15959	5789	2873	2916	626	303	323
31	Talupula	11138	42392	21291	21101	4029	1994	2035	2798	1383	1415
32	Tanakal	12211	47946	23722	24224	7686	3802	3884	4783	2413	2370
	Grand Total	447209	1840043	931593	908450	248993	125313	123680	83966	42558	41408

Data Source: 2011 Census data, Planning Department & DES

Table 4 Literacy statistics summary of 2011 Census

S.No	Mandal Name	Total Literacy	Male Literacy	Female Literacy	Total Illiterates	Male Illiterates	Female Illiterates
1	Agali	20358	11815	8543	15895	6696	9199
2	Amadagur	15309	9169	6140	14211	5535	8676
3	Amarapuram	31526	17981	13545	24245	10016	14229
4	Bathalapalle	20687	12252	8435	18686	7865	10821
5	Bukkapatnam	20654	12261	8393	19495	7828	11667
6	Chennekothapalle	24327	14697	9630	20024	7982	12042
7	Chilamathur	28257	16297	11960	23199	9462	13737
8	Dharmavaram	104776	60302	44474	67703	27931	39772
9	Gandlapenta	13583	8375	5208	12600	4816	7784
10	Gorantla	42966	25208	17758	34305	13801	20504
11	Gudibanda	27584	16279	11305	25026	10685	14341
12	Hindupur	131572	72193	59379	71966	30471	41495
13	Kadiri	73723	41931	31792	51650	20517	31133
14	Kanaganapalle	21130	12605	8525	18543	7924	10619
15	Kothacheruvu	22356	13012	9344	16690	6614	10076
16	Lepakshi	24755	14661	10094	20367	8439	11928
17	Madakasira	46034	26964	19070	35193	14104	21089
18	Mudigubba	31072	18523	12549	29397	11912	17485
19	Nallacheruvu	16383	9953	6430	14653	5597	9056
20	Nallamada	22218	13490	8728	19158	7473	11685
21	Nambulipulikunta	15673	9637	6036	15731	6113	9618
22	Obuladevaracheruvu	25339	15457	9882	22969	9131	13838
23	Parigi	34035	20120	13915	24190	9883	14307
24	Penukonda	32885	19028	13857	22498	9252	13246
25	Puttaparthi	34618	20103	14515	24382	9851	14531
26	Ramagiri	18091	10740	7351	15910	6624	9286
27	Roddam	27255	16267	10988	23913	9622	14291
28	Rolla	22152	12869	9283	17812	7481	10331
29	Somandepalle	25669	15264	10405	21922	9076	12846
30	Tadimarri	16342	9832	6510	16043	6594	9449
31	Talupula	22386	13461	8925	20006	7830	12176
32	Tanakal	24863	14742	10121	23083	8980	14103
	Grand Total	1038578	605488	433090	801465	326105	475360

Data Source: 2011 Census data, Planning Department & DES

1.4 Land Utilization Pattern

1.4.1 Land Use / Land Cover

The Land Use / Land Cover (LULC) pattern of any region is an outcome of various physical and cultural factors and their utilization by man in time and space. Land use refers to the type of utilization to which man has put the land. It also refers to the evaluation of the land with respect to various natural characteristics. Land cover describes the vegetal attributes of the land. For the proper understanding of the influence of the various human-induced land-use practices about environmental change, it is essential to help simulate the land-use changes.

1.4.2 Spatial Distribution of Land Use / Land Cover

Using satellite data from the three seasons (Kharif, Rabi, and Zaid), various land use/land cover categories have been identified under the level 3 classification. The LULC map of the district has been delineated by using visual image interpretation techniques i.e. size, shape, color, tone, texture, association, and pattern (NRSA, 2006). This information is used for general planning purposes at the district or mandal level. The broad categories are built-up, agricultural, forest, wastelands, and water bodies. The spatial distribution of land use / land cover of the Sri Sathya Sai district is shown in Figure-6, and area statistics are presented in Table-5.

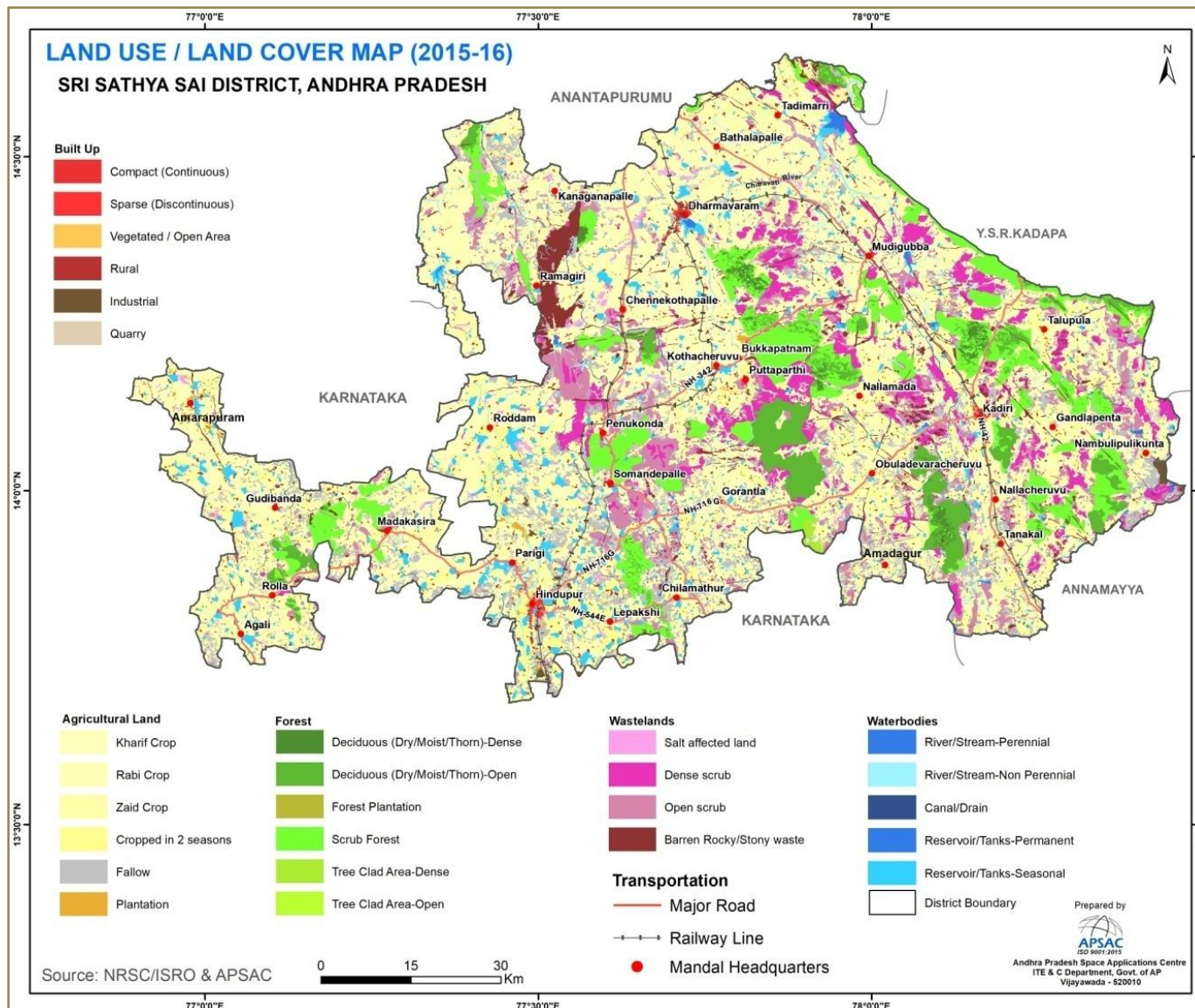


Figure-6: Land use / land cover map of Sri Sathya Sai District 2015-16

Table 5 Category-wise distributions of Land Use/Land Cover during 2015-16

S. No	LULC categories	Area in sq. km	% to total
Built up		175.94	1.97
1	Compact (Continuous)	16.27	0.18
2	Sparse (Discontinuous)	8.62	0.10
3	Vegetated / Open Area	5.41	0.06
4	Rural	108.38	1.21
5	Industrial	15.65	0.18
6	Mining - Abandoned	0.05	0.00
7	Quarry	21.55	0.24
Agricultural Land		5706.05	63.93
8	Kharif Crop	3827.34	42.88
9	Rabi Crop	86.32	0.97
10	Zaid Crop	0.28	0.00
11	Cropped in 2 seasons	1018.76	11.41
12	Fallow	742.90	8.32
13	Plantation	30.44	0.34
Forest		1170.69	13.12
14	Deciduous (Dry/Moist/Thorn)-Dense/Closed	45.32	0.51
15	Deciduous (Dry/Moist/Thorn)-Open/Closed	347.53	3.89
16	Forest Plantation	0.02	0.00
17	Scrub Forest	767.60	8.60
18	Tree Clad Area-Dense	9.52	0.11
19	Tree Clad Area-Open	0.70	0.01
Wastelands		1370.93	15.36
20	Ravinous	0.24	0.00
21	Salt affected land	69.29	0.78
22	Dense scrub	451.47	5.06
23	Open scrub	607.43	6.81
24	Barren Rocky/Stony waste	242.50	2.72
Water bodies		500.56	5.61
25	River/Stream-Perennial	0.09	0.00

S. No	LULC categories	Area in sq. km	% to total
26	River/Stream-Non Perennial	114.27	1.28
27	Canal/Drain	37.58	0.42
28	Reservoir/Tanks-Permanent	31.46	0.35
29	Reservoir/Tanks-Seasonal	317.15	3.55
Total		8925.00	100.00

Data source: NR Census 3rd cycle mapping, NRSC/ISRO & APSAC, GoAP

Built-up

These are the areas where people live that have a front of buildings, transportation and correspondence, utilities about water, vegetation, and open spaces. It includes built-up (compact and sparse), vegetated/open areas, rural, industrial, and mining/quarry. Around 176 sq. km (1.97%) of the district's overall geographic area, has been mapped as the built-up area, of which, rural areas contribute 1.21%, which is the predominant category in the built-up category.

Built up - Compact (Continuous)

Most of the land is covered by buildings, roads, and artificially surfaced area and cover almost all the ground. The built-up-compact class is assigned where the impermeable surfaces such as the transportation network and urban structures take up more than 80% of the surface area. This category is occupied 16.27 sq. km, which is found in Hindupur, Dharmavaram, Kadiri, and other municipal areas.

Built up - Sparse (Discontinuous)

Most of the land is covered by the structures like buildings, roads, and artificially surfaced areas associated with vegetated areas and bare soil, which occupy discontinuous but significant surfaces. Between 30 to 80 % of the total surface should be impermeable. Scattered blocks of residential flats, hamlets, and small villages are delineated under this category. It contributes an area of 8.62 sq. km, which is found in peri-urban areas.

Vegetated / Open Area

These are vegetated areas that are part of or next to an urban agglomeration. The region is covered in vegetation, which has been specifically defined and includes trees, bushes, and herbs. This category includes open spaces that are used as parks, sporting and recreational facilities, campgrounds, sports fields, leisure parks, golf courses, racetracks,

and formal parks, among others. The vegetated open area occupies about 5.41 sq. km and is found around fringe areas of urban areas.

Built-up – Rural

These are areas that are used for human settlement and are considerably smaller than urban areas, where more than 80% of the population works in agriculture as a primary occupation. These areas are classified as being in the built-up (rural) category. The rural built-up area is the predominant category among the built-up category and is dispersed throughout the district. It contributed an area of 108.38 sq. km.

Industrial

Non-linear impervious surfaces are included in this class which is related to trade, manufacturing, distribution, and commerce. These are areas where human activity is observed in the form of manufacturing along with other supporting establishments for maintenance. The industrial area occupies an area of 15.65 sq. km, which is observed in and around towns.

Mining – Abandoned

These are the locations where extensive surface operations to remove economically significant ores were once conducted but are currently being left unfinished for a variety of reasons, including economic, operational, viability, disturbances, etc. Only about 0.05 sq. km. has been contributed under this category.

Quarry

These are signs of surface mining activities, such as small-scale land surface excavation for sand, gravel, clay-phosphate mines, limestone quarries, etc. They are mostly characterized by its nearness to urban areas. It contributes to an area of 21.55 sq km.

Agricultural Land

The land use category is primarily used to grow horticultural and commercial crops as well as food and fiber. Cropland, fallow land, agricultural plantations, and aquaculture are all included in this category. It is determined that the agricultural category is the dominant category, accounting for 5706.05 sq km (63.93%) in 2015-16. The crops grown in the district are rice, maize, groundnuts, cotton, corn, redgram, castor, sugarcane, sunflower etc.

Kharif Crop

Kharif crops are those grown in agricultural areas that are planted between June/July to September/October, which coincides with the SW monsoon season. It is related to areas of paddy and other dry crops that are rain-fed

and are grown in dry land farming with little to no irrigation. It is the predominant agricultural category, with an area of 3827.34 sq. km (42.88%).

Rabi Crop

These areas are cultivated between November/December to February/March. It is associated with areas under assured irrigation irrespective of the source of irrigation. However, Rabi-cropped areas also exist in rain-fed areas with residual soil moisture, particularly in areas with black soil and high rainfall during the Kharif season. The extent of Rabi cropped area is about 86.32 sq. km (0.97%).

Zaid Crop

These are the areas that are cropped during summer (April – May) which are mostly associated with irrigated areas with fertile soils, confined to plains/delta areas. The Zaid area is attributed to 0.28 sq. km only during 2015-16.

Cropped in two season

These are the areas that are farmed during the two harvest seasons that are frequently seen in conjunction with irrigated areas. In this category, there are three possible combinations: Kharif + Rabi, Kharif + Zaid, and Rabi + Zaid. It covers an area of 1018.76 sq. km (11.41%).

Fallow land

Fallow land is described as agricultural land that is actively being used for cultivation but is also temporarily allowed to rest or un-cropped for one or more seasons, but not for less than a year and not for more than five years. The fallow land covers 742.90 sq. km. (8.32%) of the total area.

Agricultural Plantation

These are the locations where agricultural tree crops have been planted and are being managed through agricultural management techniques. These also include areas of land use systems and practices wherein the cultivation of herbs, shrubs, and vegetable crops are deliberately integrated with agricultural crops, mostly in irrigated conditions, for ecological and economic reasons. These areas are separable from cropland, especially with the data acquired during the Rabi/Zaid seasons. Plantations appear in a dark-red to red tone of different sizes with regular and sharp edges, indicating the presence of a fence around it. It was found that 30.44 sq. km. of the land was under plantation crops during 2015-16.

Forest

Land with a tree canopy cover of more than 30% and a size of more than 0.5 ha is referred to as a forest. Forest is determined both by the presence of trees and the absence of other predominant land uses within the notified forest boundaries. The trees should be able to reach a minimum height of 5 m within the notified forest boundaries. The forest cover accounts for 1170.69 sq. km (13.12%). These are found in the eastern and central parts of the district.

Deciduous (Dry/Moist/Thorn)-Dense

This category is predominantly composed of species, which shed their leaves once a year, especially during summer. These are mostly broad-leaved tropical forests with a tendency to shed their leaves annually. This category includes all the areas where the canopy cover/density is more than 40% and contributed 45.32 sq. km.

Deciduous (Dry/Moist/Thorn)-Open

This category is predominantly composed of species, which shed their leaves once a year, especially during summer. These are mostly broad-leaved tropical forests with a tendency to shed their leaves annually. This category includes all the forest areas where the canopy cover/density ranges between 10 - 40 percent. The area included in this category is 347.53 sq. km.

Forest Plantation

These are the locations where important tree species for forestry are grown and managed, particularly in notified forest areas. The majority of these are found in uplands within the notified areas. Many of these can be recognized by the distinct boundaries they display. A total of 0.02 sq. km are covered by forest plantations.

Scrub Forest

These are the forest areas which are generally seen on the fringes of dense forest cover and settlements, where there is biotic and abiotic interference. Most times they are located closer to habitations. Forest blanks which are the openings amidst forest areas, devoid of tree cover, observed as openings of assorted sizes and shapes as manifested in the imagery are also included in this category. It is attributed to an area of 767.60 sq. km (8.60%).

Tree Clad Area-Dense

Areas with tree cover lying outside the notified forest area with a woody perennial plant with a single, well-defined stem carrying a more-or-less-defined crown and being at least 3 m tall. Plants essentially herbaceous but with a woody appearance (e.g. Bamboos and ferns) are also classified as

trees if the height is more than 5 m and as shrubs if the height is less than 5 m. This category includes all the areas where the canopy cover/density is more than 40%. The dense tree-clad area contributes an area of 9.52 sq. km, which is found along with forest areas.

Tree Clad Area-Open

Areas with tree cover lying outside the notified forest area with a woody perennial plant with a single, well-defined stem carrying a more-or-less-defined crown and being at least 3 m tall. Plants essentially herbaceous but with a woody appearance (e.g. Bamboos and ferns) are also classified as trees if the height is more than 5 m and as shrubs if the height is less than 5 m. This category includes all the forest areas where the canopy cover/density ranges between 10 - 40 percent. The tree-clad open category has been mapped with an area of 0.70 sq. km.

Wastelands

Wasteland is defined as degraded land that can be brought under vegetative cover with reasonable effort, is currently underutilized, and is deteriorating due to improper water and soil management or natural causes. Wastelands can result from inherent/imposed disabilities such as location, environment, chemical and physical properties of the soil, or financial or management constraints. The area under this category is 1370.93 sq. km (15.36%). These are found in the central and eastern parts of the district.

Salt-affected land

These lands contain an excessive concentration of salts (soluble salts or exchangeable saline or both). Salinization can result from improper management of canal irrigation water resulting in the rise of the water table and consequent accumulation of salts in the root zone in arid, semi-arid and sub-humid (dry) conditions and ingress of sea water in coastal regions and/or use of high-salt containing groundwater. They also become saline when soils have developed on salt-containing parent materials or have saline groundwater. The salt-affected lands accounted for 69.29 sq. km in the district.

Ravinous land

The word ravine is usually associated not with an isolated gully but an intricate network of gullies formed generally in deep alluvium and entering a nearby river, flowing much lower than the surrounding area. Ravines are extensive systems of gullies developed along the river course. It covers an area of 0.24 sq. km.

Dense scrub

The scrub areas are usually confined to topographically elevated areas, on hill slopes that are typically surrounded by agricultural lands. These regions have extreme slopes that have been severely eroded, chemically degraded shallow and skeletal soils, and lands that have experienced excessive aridity, with scrubs predominating the landscape. It can be found in areas ranging in size from small to large, with either a continuous pattern or a dispersed one. The dense scrub covered an area of 451.47 sq. km, mostly in hilly regions.

Open scrub

This category has a similar description as mentioned in the dense scrub except that they possess sparse vegetation or devoid of scrub and have a thin soil cover. The open scrub is found in foothills surrounded by agricultural lands with an account of 607.43 sq. km.

Barren Rocky/Stony waste

The barren rock exposures are especially confined to hilly terrain with downslope with rock outcrops, stony waste and fragments. The area under this category is 242.50 sq. km. It is found that most of the barren rocky areas are being quarried for various construction activities in the district.

Water Bodies

This category includes locations with surface water, either flowing as streams, rivers, canals, etc., or being impounded in the form of ponds, lakes, and reservoirs. Depending on the depth of the water, these are visible in the satellite image in a blue to dark blue or cyan colour. About 500 sq. km, or 5.61% of the district is delineated in the water body category.

River/Stream-Perennial

Rivers/streams are the natural course of water flowing on the land surface along a definite channel/slope regularly or intermittently towards a sea in most cases or a lake or an inland basin in desert areas or a marsh or another river. These are the rivers/streams that flow continuously throughout the year as considered perennial. It contributes an area of 0.09 sq. km. The Chitravathi River flows through the district in the south-north direction.

River/Stream-Non Perennial

A non-perennial surface is one where the water is present for fewer than nine months of the year. Additionally, this refers to the dry section of the river, which is typically identified by the presence of sand or exposed rock. It is observed that the majority of the streams belong to the non-perennial category and delineate an area of 114.27 sq. km (1.28%). The major streams are identified under this category.

Canal/Drain

Artificial watercourses called canals and drains are built for irrigation, navigation, or to remove extra water from agricultural lands. It covers an area of 37.58 sq. km.

Reservoir/Tanks-Permanent

The reservoir is an artificial lake made by building a dam across a river to use it for flood control, irrigation, and hydroelectric power generation, either separately or in combination. Tanks are small lakes of impounded waterways constructed on land surface for irrigation. They are associated with croplands, lowlands and reservoirs surrounded by hills without vegetation. This includes all reservoirs/tanks with water spread seen at least during one season in a year is considered under the permanent category. This category occupies an area of 31.46 sq. km.

Reservoir/Tanks-Seasonal

Dry reservoirs/tanks are those that are seasonal in nature and do not have water present throughout the year. Many of the tanks, with a total area of 317.15 sq. km, are mapped under the seasonal category.

1.4.3 Forest Cover Distribution

The interpretation of various topographical maps from different sources and satellite data were used to create the forest cover maps. Land with a tree canopy cover of more than 10% and a size of more than 0.5 ha is referred to as a forest. The notified forest boundaries are considered to contain a forest if there are both trees and no other dominant land uses there. The trees should be able to reach a minimum height of 5 m within the notified forest boundaries.

The total forest area in the district is 1170.69 sq. km, accounting for 13.12% of the total geographical area of the district. The Sri Sathya Sai forest division extends over the entire revenue limits in the district. The major parts of the forest are scattered and found in the east, southeast, west, and central parts of the district. Bamboo along with timber species occurs fairly over extensive areas in the district. The predominant category is scrub forest followed by deciduous open forest. The spatial distribution of forest cover and its statistics are presented in Figure-7 and Table-6. As per the Forest Department, Government of Andhra Pradesh the Forest boundary map is presented in Figure-10.

Table 6 Forest cover distribution in Sri Sathya Sai District

S. No	Forest Category	Area in sq. km	% to district total
1	Deciduous (Dry/Moist/Thorn)-Dense/Closed	45.32	0.51
2	Deciduous (Dry/Moist/Thorn)-Open/Closed	347.53	3.89
3	Forest Plantation	0.02	0.00
4	Scrub Forest	767.60	8.60
5	Tree Clad Area-Dense	9.52	0.11
6	Tree Clad Area-Open	0.70	0.01
Total		1170.69	13.12

Data source: NR Census 3rd cycle mapping, NRSC/ISRO & APSAC, GoAP

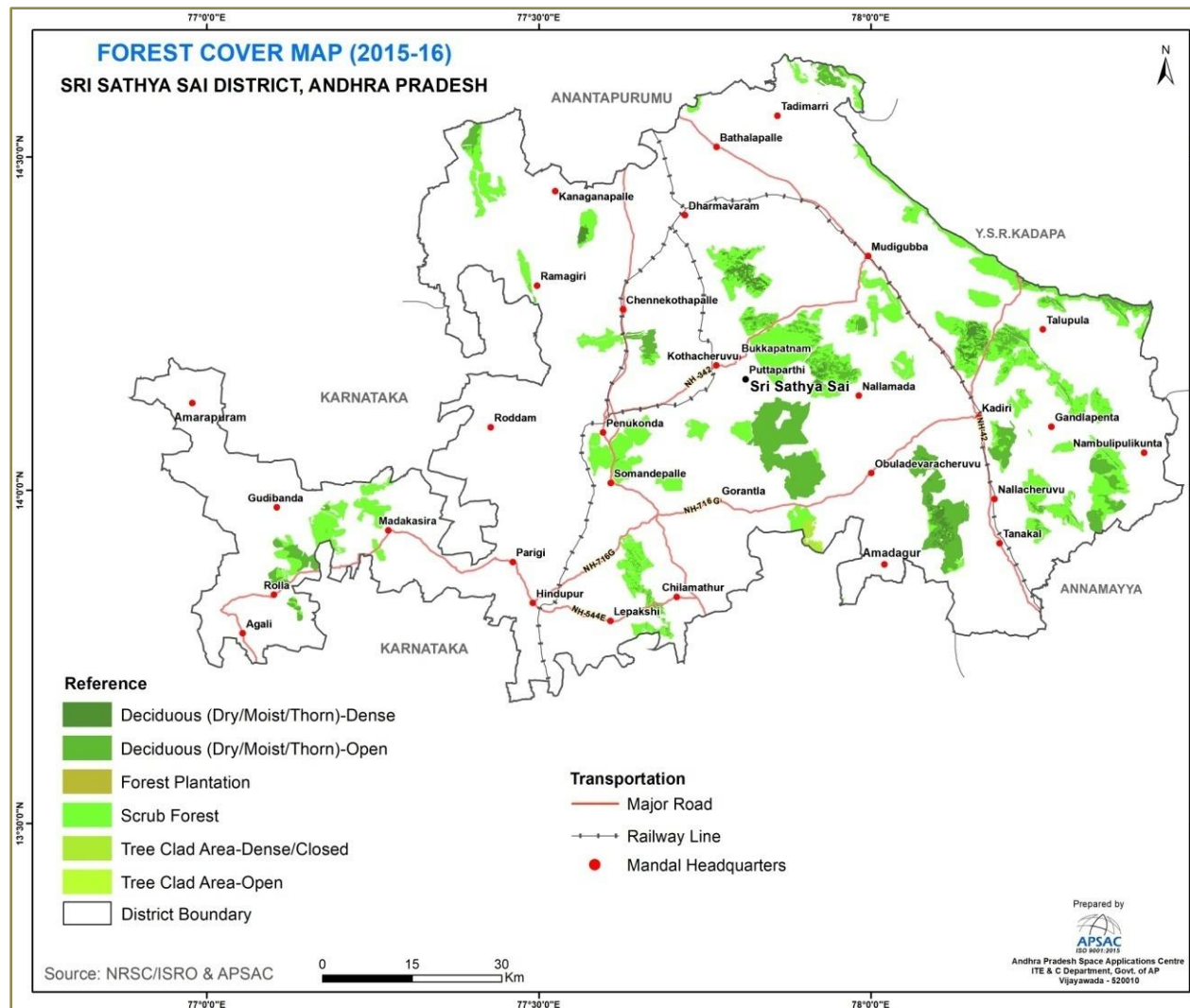


Figure-7: Forest cover map of Sri Sathya Sai District

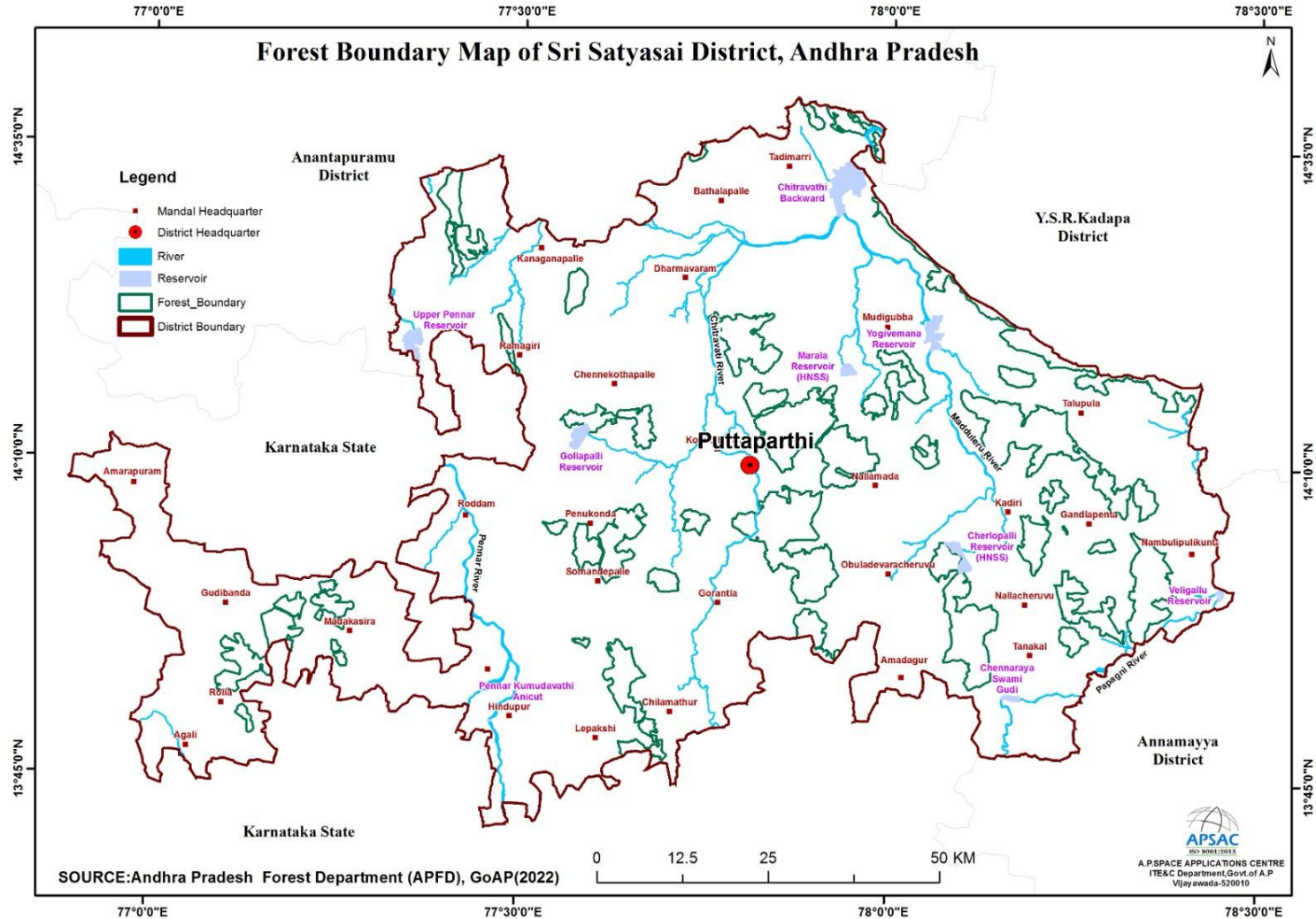


Figure-8: Forest boundary map of Sri Sathya Sai District

1.4.4 Agricultural Resources in Sri Sathya Sai District

Over the past two decades, APSAC has effectively employed remote sensing technology in agriculture, encompassing both spatial and temporal dimensions across various projects. The continuous evolution of satellite remote sensing technology has facilitated systematic monitoring of crop conditions and vigor across extensive regions. Within the realm of spectral vegetation indices derived from remote sensing data, the Normalized Difference Vegetation Index (NDVI) stands out as the most widely utilized for operational drought assessment. Its popularity stems from its straightforward calculation, ease of interpretation, and the capacity to mitigate the impacts of atmospheric conditions, illumination geometry, and other variables.

APSAC conducted in-season crop condition assessments at the Mandal level in Andhra Pradesh. This initiative aimed to provide administrators and planners with crucial insights for strategic decision-making regarding drought management, import-export policies, and trade negotiations. The NDVI is calculated using the formula $(NIR - Red) / (NIR + Red)$, where NIR and Red represent the reflectance in the visible and near-infrared channels, respectively. Water, clouds, and snow exhibit higher reflectance in the visible region, causing NDVI to assume negative values for these features. Bare soil and rocks, with similar reflectance in both visible and near-infrared regions, yield index values close to zero. NDVI values for vegetation typically range from 0.2 to 0.6, with higher values associated with greater green leaf area and biomass. The Shortwave Infrared (SWIR) band is sensitive to soil and crop canopy moisture. Early in the cropping season, when soil background dominates, SWIR is sensitive to top 12 cm soil moisture. As crop growth progresses, SWIR becomes sensitive to leaf moisture content, providing surface wetness information.

The Normalized Difference Wetness Index (NDWI), computed using SWIR data, complements NDVI for drought assessment, especially in the early cropping season. NDWI is derived as follows: $NDWI = (NIR - SWIR) / (NIR + SWIR)$, where NIR and SWIR represent reflected radiation in the Near-Infrared and Shortwave Infrared channels. Higher NDWI values indicate increased surface wetness.

For satellite-based crop condition anomalies indicating agricultural drought, the Vegetation Condition Index (VCI) of both NDVI and NDWI can be computed. When combining VCI values of NDVI and NDWI, the minimum of

the two can be considered. For instance, if at least one is categorized as severe, the overall category is considered severe. If at least one is moderate, the overall category is taken as moderate. The vegetation conditions and corresponding ranges are detailed in Table-7.

Table 7 Vegetation condition and range in percentage

VCI range (%)	Vegetation Condition	Description
60-100	Normal	Crop condition is Normal
40-60	Moderate	Crop condition is Moderate
0-40	Severe	Crop condition is Severe

1.4.4.1 Kharif Crop Condition Assessment

Andhra Pradesh Space Applications Centre (APSAC) conducted a crop condition assessment in Sri Sathya Sai district during Kharif 2022-23 utilizing MODIS (Moderate Resolution Imaging Spectroradiometer) satellite data. The assessment revealed that out of the total mandals in the district, 31 were categorized as having a normal crop condition, and 01 was identified as moderate. Notably, urban and forest cover mandals were excluded from the vegetation condition assessment. This comprehensive evaluation provides valuable insights into the agricultural landscape of Sri Sathya Sai district, aiding in targeted interventions and resource allocation to mitigate the impacts of varying crop conditions.

1.4.4.2 Rabi Crop Condition Assessment

During Rabi 2022-23, The assessment identified all 32 mandals with normal crop conditions. Notably, mandals predominantly covered by urban or forest areas were excluded from the vegetation condition assessment. This evaluation provides valuable insights into the agricultural status of Sri Sathya Sai district during the Rabi season, facilitating informed decision-making and resource allocation to support agricultural sustainability and productivity.

1.4.5 Soil Resources of the Sri Sathya Sai District

The Sri Sathyasai district of Andhra Pradesh is characterized by a diverse range of soil types, with the predominant types being loamy to clayey skeletal deep reddish brown soils, which cover an area of 2,680.96 sq. km

(30.17%). Following this, loamy to gravelly clay deep dark reddish brown soils span 2,152.98 sq. km (24.23%), and shallow gravelly red soils cover 1,892.7 sq. km (21.30%). Additionally, the district includes clayey to gravelly clayey moderately deep dark brown soils, extending over 1,660.34 sq. km (18.68%), and gravelly clayey shallow dark brown soils, covering 188.39 sq. km (2.12%). Other notable soil types are moderately deep calcareous moist clayey soils, which occupy 131.7 sq. km (1.48%), and shallow loamy to gravelly clay red soils, covering 110.21 sq. km (1.24%). The district also has smaller extents of clayey moderately deep wet soils (25.03 sq. km, 0.28%), deep black clayey soils (13.93 sq. km, 0.16%), moderately deep calcareous black soils (11.42 sq. km, 0.13%), gravelly clayey moderately deep red soils (10.78 sq. km, 0.12%), and gravelly clayey moderately deep desert soils (7.88 sq. km, 0.09%). These soil types are detailed in Table 8 and depicted in the soil resource map of the district shown in Figure 9.

Table 8 Soil classes in Sri Sathya Sai district

S.N o	Classification	Area in Sq.km	Perce ntage (%)
1	Clayey moderately deep wet soils	25.03	0.28
2	Clayey to gravelly clayey moderately deep dark brown soils	1660.34	18.68
3	Deep black clayey soils	13.93	0.16
4	Gravelly clayey moderately deep desert soils	7.88	0.09
5	Gravelly clayey moderately deep red soils	10.78	0.12
6	Gravelly clayey shallow dark brown soils	188.39	2.12
7	Loamy to clayey skeletal deep reddish brown soils	2680.96	30.17
8	Loamy to gravelly clay deep dark reddish brown soils	2152.98	24.23
9	Moderately deep calcareous black soils	11.42	0.13

10	Moderately deep calcareous moist clayey soils	131.7	1.48
11	Shallow gravelly red soils	1892.7	21.30
12	Shallow loamy to gravelly clay red soils	110.21	1.24
	Total#	8886.32	100.00

#Excluding the Urban and Water bodies area

Data Source: APSAC, Vijayawada

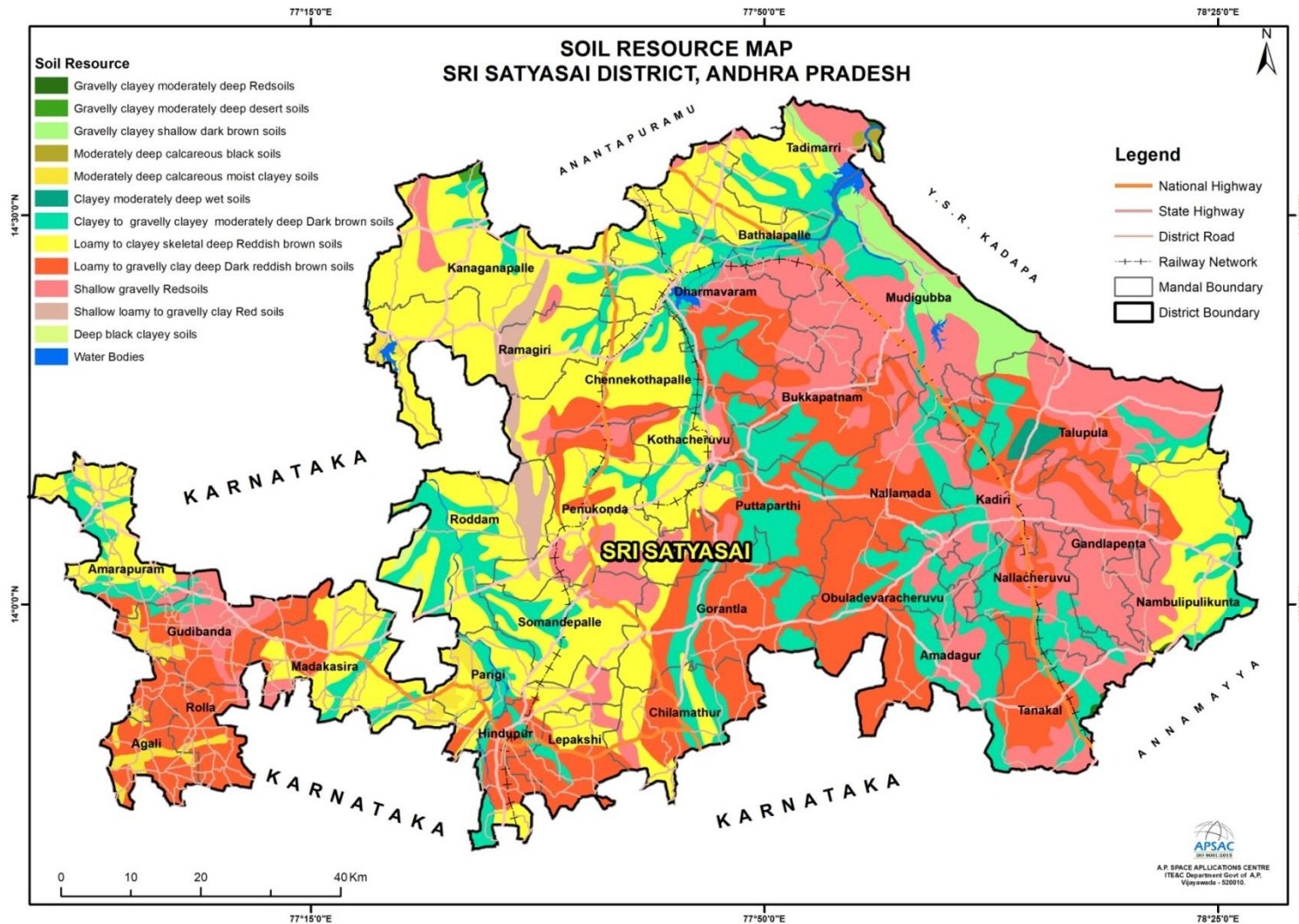


Figure-9: Soil resource map of Sri Sathya Sai District

1.4.6 Horticulture

Horticulture is a science, as well as, an art of production, utilization and improvement of horticultural crops, such as fruits and vegetables, spices, ornamental, plantation, medicinal and aromatic plants. It also includes plant conservation, landscape restoration, landscape, garden design, construction, maintenance, arboriculture, ornamental trees and lawns.

In the Sri Sathya Sai district, Sweet Orange is the major horticulture crop, cultivated in an area of 1320.39 ha. followed by Mangoes (730.92 ha.), Areca nut (262.54 ha.), Mulberry (187.61 ha.), Pomegranate (130.93 ha.), Banana (11.64 ha.), and Guava (51.55 ha.). The total area under horticulture crops is 2895.29 ha. The horticulture crop-wise detail is shown in the Table-9.

Table 9 Area of horticultural crops in Sri Sathya Sai district

S.No	Crop	Area in ha
1	Plum	1.7
2	Sapota	1.02
3	Black Berry	6.88
4	Lime/Lemon/Citrus	1.37
5	Jamun	5.96
6	Anjura	0.9
7	Dragon Fruit	1.05
8	Papaya	46.01
9	Banana	111.64
10	Custard Apple	3.06
11	Sweet Orange	1320.39
12	Sweet Lime	14.19
13	Arrecanut	5.95
14	Mangoes	730.92
15	Guava	51.55
16	Pomegranate	130.93
17	Acid Lime	1.38
18	Areca nut	262.54
19	Coconut	10.24
20	Mulberry	187.61
	Total Area	2895.29

Source: Rashtriya Krishi Vikas Yojana-2022-23, GoAP

1.4.7 Salt-affected Land

The term 'salt-affected soil/land' refers to soils in which salts interfere with normal plant growth. Salt-affected soils can be divided into saline, saline-sodic and sodic, depending on salt amounts, type of salts, the amount of sodium present, and soil alkalinity (Reference FAO Soils Portal).

These lands contain an excessive concentration of salts (soluble salts or exchangeable saline or both). Salinization can result from improper management of canal irrigation water, resulting in the rise of the water table and consequent accumulation of salts in the root zone in arid, semi-arid, and sub-humid (dry) conditions and ingress of seawater in coastal regions and/or use of high-salt containing groundwater. They also become saline when soils have developed salt-containing parent materials or have saline groundwater. Coastal saline soils may be with or without ingress or inundation by seawater. The salt-affected soil/ land area in the Sri Sathyasai district is 62,005 hectares. Figure-10 illustrates the spatial distribution of salt affected soil in Sri Sathyasai district.

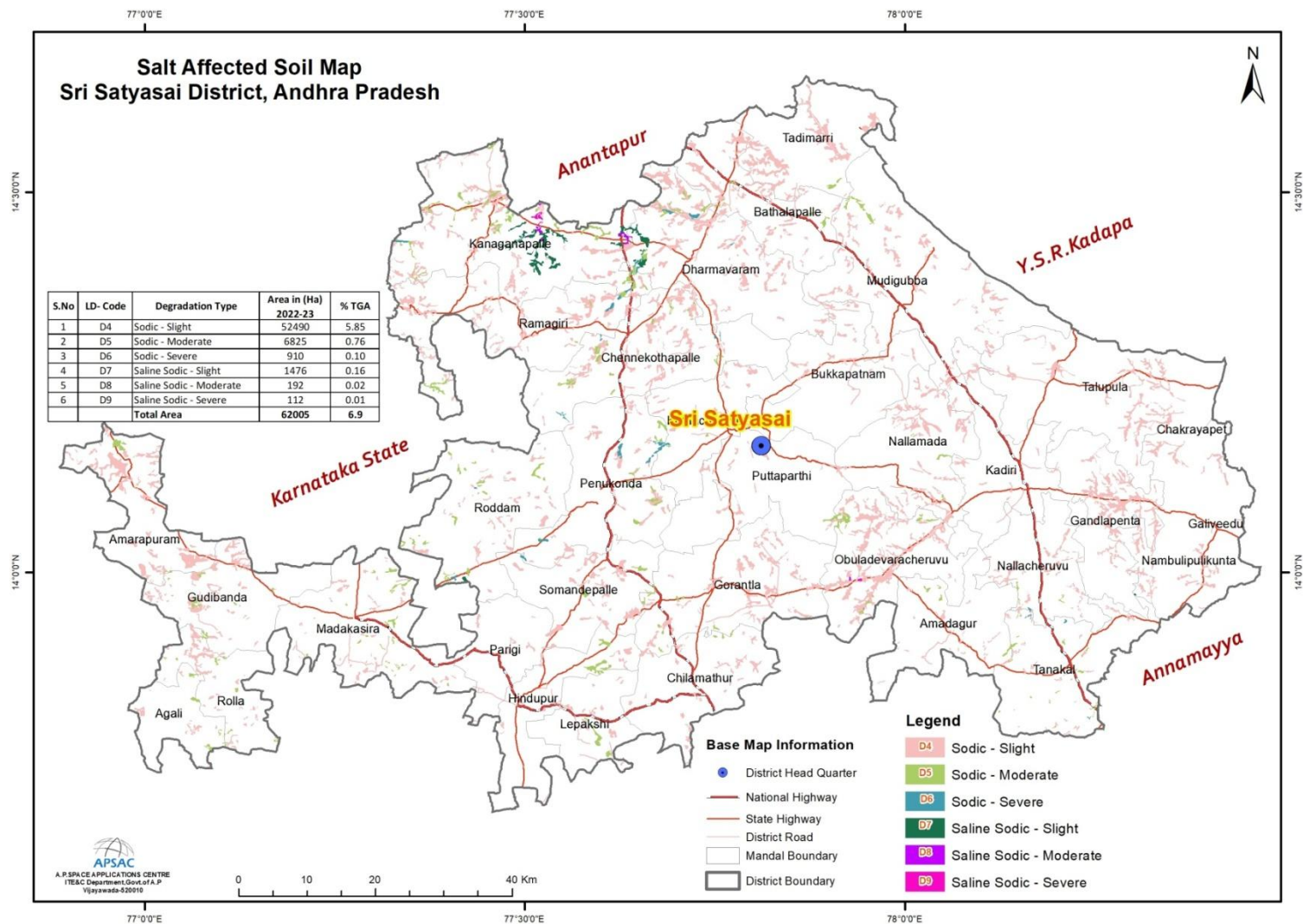


Figure-10: Salt affected soil map of Sri Sathya Sai District

1.5 Ground Water Prospects in the District:

The physiography of a region is not as simple as it appears. The general processes for landform development are complex and are affected by a variety of major and minor factors influencing the processes over a long geological period. Some of the important factors that influence the development of landforms are the geological location, climate, geological setup in terms of lithology and structure, sub-aerial denudational agencies, etc. Hence, mapping geomorphic features of an area requires good knowledge of the geology and structure of the area. The groundwater prospects of an area depend on lithology, structure, and geomorphology. Satellite remote sensing techniques enable the delineation of geomorphic or hydrogeomorphic features from images quite accurately, inexpensively, and quickly.

Hydrogeomorphological mapping to identify various landforms based on their groundwater prospects for tapping groundwater initially used IRS-IC/1D data of the study area interpreted on a 1:50,000 scale to derive geomorphological information. Geological structure and tectonic phenomena that have caused the development of secondary porosity were also identified. The details derived from remote sensing data have been coupled with elevation and drainage information from the Survey of India toposheets to delineate potential zones for groundwater development, which were further verified in the field. The groundwater prospects map of the Sri Satyasai district is shown in Figure-11.

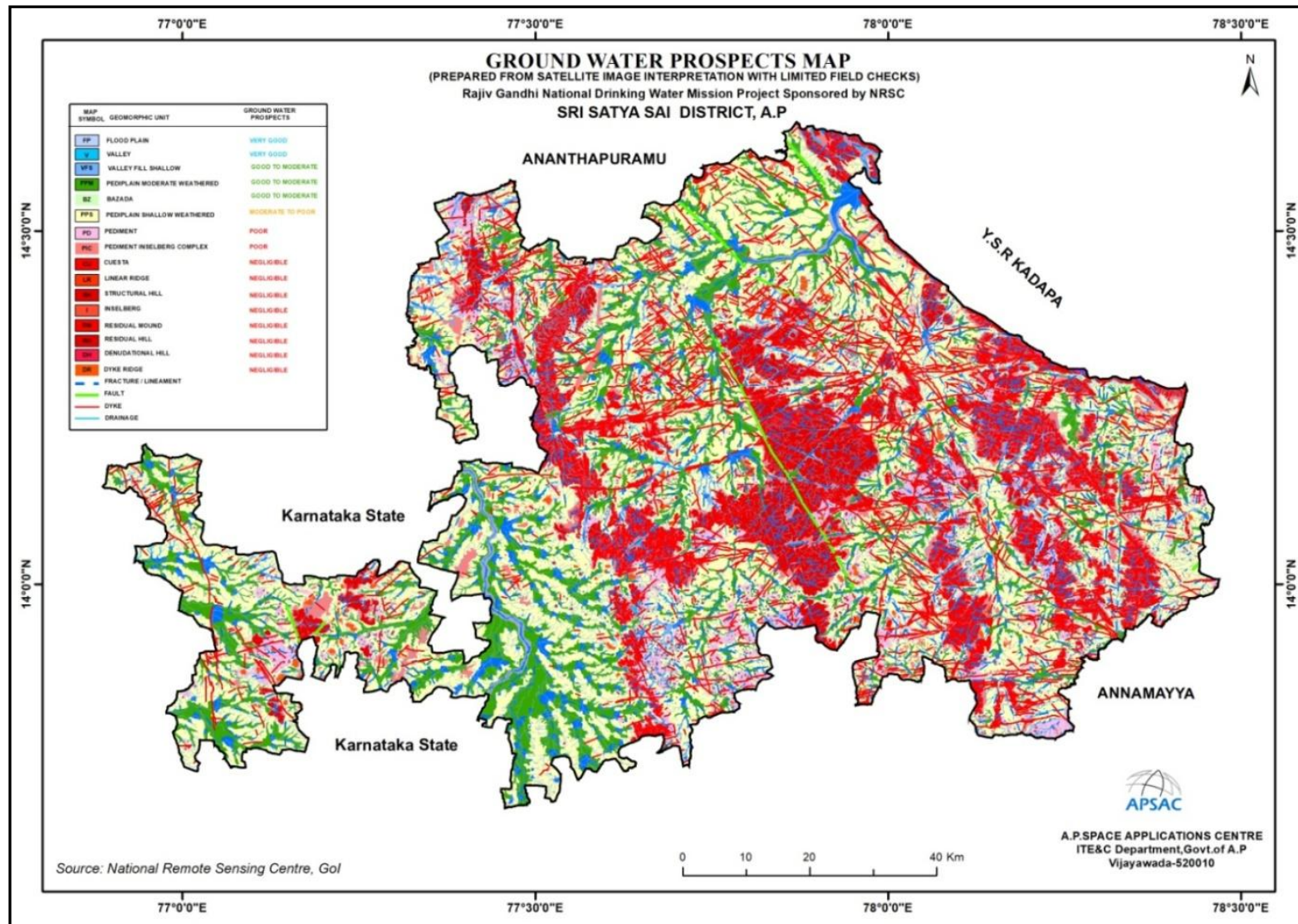


Figure-11: Ground Water prospects in Sri Sathya Sai District, Andhra Pradesh

1.6 Infrastructure

1.6.1 Transport Network

Sri Sathya Sai district is well-connected by various modes of transportation such as road, rail and air. The connectivity of each category is also depicted in Figure-12. The details of each transport network distribution in the district are given below.

Road Transport: The road network of the district has been delineated by using high resolution satellite data under Space Based Information Support for Decentralized Planning (SIS-DP) project. The lengths of the each type of road network is arrived as per the project. It can be observed that Sri Sathya Sai district has a well-developed road network that facilitates connectivity to all towns within the district, and to other major cities and towns of nearby districts. The major road network includes National Highways (NH), State Highways (SH), and District Roads (DR). The rural areas of the district also has good connectivity by Panchayat Raj roads / village roads.

The total length of the road network in the district is about 15,624.73 km, of which, the length of the National Highways is about 256.40 km, State Highways is having a length of about 688.46 km connecting all major towns and cities in the district. The district roads are connecting all towns and mandals having a length of 1850.22 km. The length of each road category covered in the district are shown in Table-10.

Table 10 Road Category wise Lengths

S.No	Road Type	Length in Km
1	National Highway	256.40
2	State Highway	688.46
3	District Road	1850.22
4	Village Road	6360.03
5	Cart Track	4033.42
6	Foot Path	2204.24
7	City Road	231.95
Total Length		15624.73

Data Source: R&B Department & APSAC, Vijayawada.

Sri Sathya Sai district is traversed by three National Highways. The traverse and description of each highway is as given below:

1.National Highway 42 (NH 42): National Highway 42 is a major National Highway in India, that runs in the states of Andhra Pradesh and Tamil Nadu. The northern terminal is at the National Highway 44 junction south of Anantapuramu inside Andhra Pradesh state and the southern terminal is at the National Highway 44 junction near Krishnagiri in Tamil Nadu. In Andhra Pradesh, it passes through Anantapuramu, Sri Sathya Sai, Annamayya and Chittoor districts. It traverse through Bathalapalle, Mudigubba, Kadiri, Nallacheruvu and Tanakal mandals in Sri Sathya Sai district and it connects Krishnagiri with NH 44 in Tamil Nadu.

2.National Highway 44 (NH 44): National Highway 44 is a major north-south National Highway in India and is the longest in the country. It passes through the Union Territory of Jammu and Kashmir to Kanyakumari. The Highway enters into Andhra Pradesh at Kurnool and passes through Veldurthy and Peapally in Nandyal district. It traverse through Anantapuramu district and connects Gooty, Pamidi, Garladinne, Anantapuramu and Raptadu. It terminates at Chennethalapalle passes through the mandals Penukonda, Somandepalli and Chimakurthi in Sri Sathya Sai district.

3.National Highway 544E (NH 544E): National Highway 544E is a secondary route of National Highway 44. The NH traverses the states of Andhra Pradesh and Karnataka in India. It starts at Kodikonda in Andhra Pradesh and terminates at Sira in Karnataka. It passes through the mandals Lepakshi, Hindupur, Parigi and Madakasira in Sri Sathya Sai district.

Some important State Highway segments covered in the district are given below.

Kadiri - Hindupur Road (SH061)

Penukonda-Mudigubba -Dorigallu road (SH057)

Kodur - Dharamavaram road (SH064)

Madakasira - Amarapuram (SH375)

Dharmavaram-Tagarakunta-Kalyanadurg road (SH049)

Nagasamudram - Perur Road (SH357)

Damajipalli -Tadipatri road (via) Nayanapalli - Peddapappur (SH058)

Bukkapatnam - Nallamada-Pulagampalli road (SH369)

Penukonda-Madakasira road (SH383)

Railways : The Indian Railway line traversing from various stations to cater the transportation needs of the people. The length of Rail network in the district is about 255 km covering 21 railway stations. Among these, important Railway stations are Dharmavaram Junction, Hindupur, Kadiri, Mudigubba, Penukonda Junction, Sri Sathya Sai Prasanthi Nilayam; and the Train stations are Basampalle, Chakarlappalli, Chigicherla, ChinnekuntaPalli, Kalasamudram, KothaCheruvu, Makkajipalli, Malakavemula, Malugur, Nagasamudram, Nallacheruvu, Nallacheruvu East, Narayanapuram, Sri Venkataperu and Tanakallu

Sri Sathya Sai district is traversed by a significant railway line that connects various parts of the district and provides connectivity to neighbouring regions. The Hyderabad-Bangalore high speed rail corridor is a proposed high-speed rail line connecting India's two southern metros, Hyderabad and Banglore. It passes through Sri Sathya Sai district, connecting important railway stations such as Dharmavaram Junction, Puttaparthi, Penukonda and Hindupur.

The Guntakal-Renigunta section connects Guntakal and Renigunta in the Indian state of Andhra Pradesh. It is administered under Guntakal railway division of South Central Railway zone. It passes through Sri Sathya Sai district, connecting important railway stations such as Dharmavaram Junction, Mudigubba and Kadiri.

In addition to the main line, there are various branch lines and spur lines namely Dharmavaram Junction-Penukonda Junction that extend from the main line to connect specific towns such as Nagasamudram and Makkajipalli with in Sri Sathya Sai district. These lines provide local connectivity and transportation services to different parts of the district.

Air Transport: Sri Sathya Sai Airport is located at Puttaparthi in the state of Andhra Pradesh, India. It is located at a distance of about 4 km from the district headquarter Puttaparthi. The airport is named after Sathya Sai Baba, a spiritual guru and philanthropist. It is an operational airport with facilities for chartered flights rather than commercial aircraft. The airport was inaugurated to serve the Sri Sathya Sai Institute of Higher Medical Sciences during emergency situations as well as commercial service for visitors to Prasanthi Nilayam, Sathya Sai Baba's ashram located in the village.

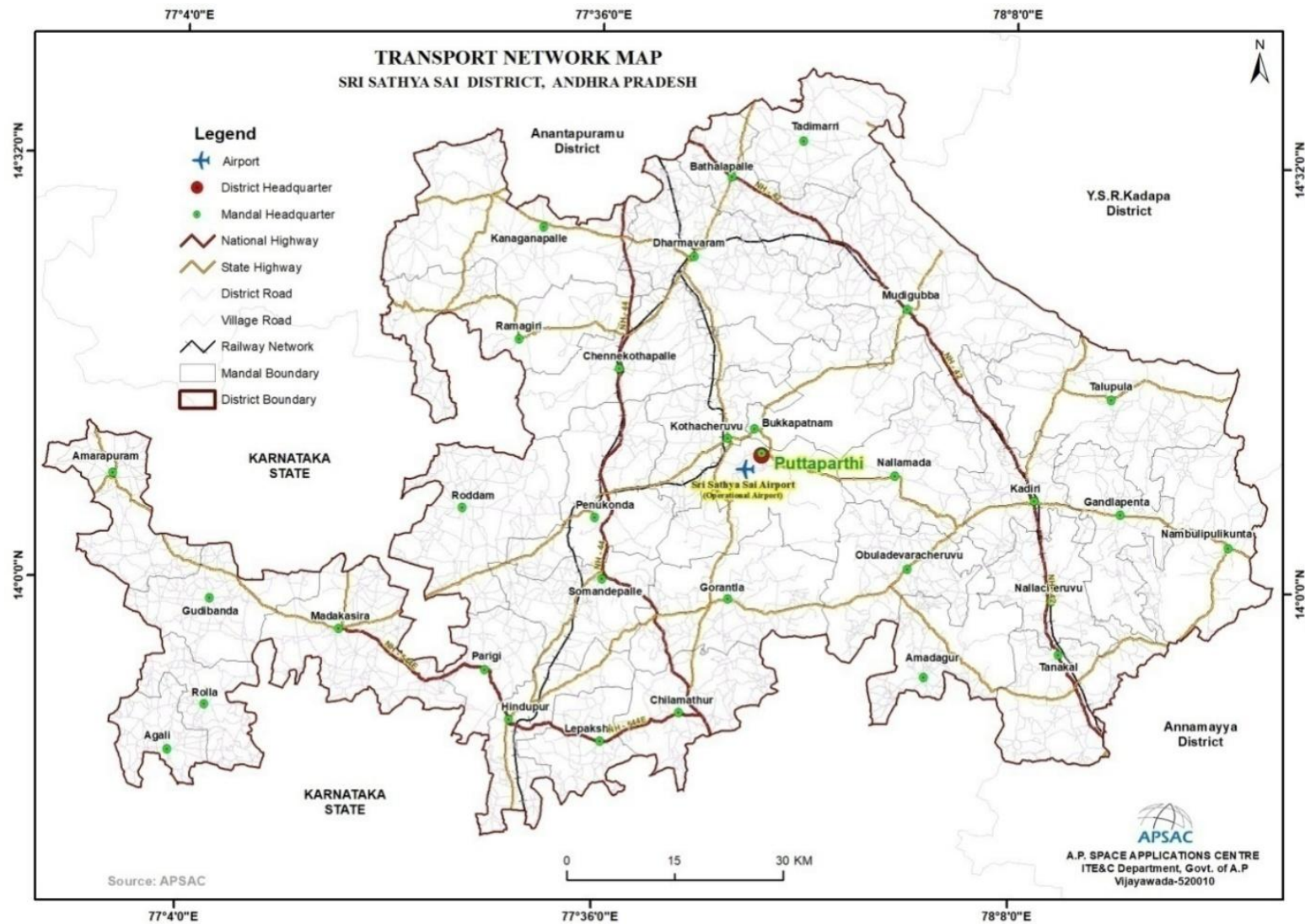


Figure-12: Transport Network of Sri Sathya Sai District

1.6.2 Irrigation

Major and Medium Irrigation Projects in Sri Sathya Sai district:

Irrigation has assumed an increasing significance in agriculture in the context of new technology, where high yielding varieties and multiple cropping is being practiced. The main reasons for low yields are inadequate rainfall, uneven and uncertain rains during the period of crop growth. It is generally found that the introduction of irrigation is associated with changes in the cropping pattern. The shift from traditional cropping pattern to the most advantageous cropping pattern is possible only in the presence of irrigation facilities. The new agricultural technology is highly based on sufficient moisture conditions. Thus, the development of irrigation is crucial for increasing agricultural production. The major and medium irrigation projects details are shown in Table-11 and Figure-13.

Major Irrigation Projects:

In Sri Satyasai district there are two ongoing major irrigation projects i.e., Tunga Bhadra Project High Level Canal System Stage -II (TBPHLC-Stage-II) and Ananta Venkata Reddy HandriNeevaSujalaSravanthi (HNSS-II).

Medium Irrigation Projects:

In Sri Satyasai district there are three completed medium irrigation projects i.e., Yogivemana Reservoir Project, PennarKumudvathi Project (Diversion scheme) and Upper Pennar Project. The project wise ayacut details are Yogivemana Reservoir Project an extent of 12,880 Ac, PennarKumudvathi Project an extent of 6,126 Ac and Upper Pennar Project an extent of 6,665 Ac ayacut.

The Minor Lift Irrigation Schemes under APSIDC (16Nos) covered in the district, an extent of 7,075 Ac combined district ayacut, Minor Irrigation Tanks (214Nos - above 100 acres ayacut) an extent of 59,042 Ac and Minor Irrigation Tanks (960Nos - bellow 100 acres ayacut) an extent of 29,490 Ac combined district ayacut.

Table 11 Major and Medium Irrigation Projects in Sri Sathya Sai District

S. No	Project Type	Name of the Project	Status	Ayacut in Ac
1	Major	Tunga Bhadra Project High Level Canal System Stage -II (<i>PennarAhobilam Balancing Reservoir, TBPHLC Stage-II - Combined District</i>)	Ongoing	1,33,807

2		Ananta Venkata Reddy HandriNeevaSujalaSravanthi(<i>HNSS Phase-II</i>)		1,81,339
3	Medium	Yogivemana Reservoir Project	Completed	12,880
4		PennarKumudvathi Project (<i>Diversion scheme</i>)		6,126
5		Upper Pennar Project		6,665
6	Minor	Chennaraya Swami Gudi Project		900
7		Lift Irrigation Schemes under APSIDC (<i>13Nos- Combined District</i>)		6,249
8		Lift Irrigation Schemes under APSIDC (3Nos)		Ongoing
9		Minor Irrigation Tanks - 214Nos (<i>Ayacut above 100 Acres</i>)	Completed	59,042
10		Minor Irrigation Tanks - 960Nos (<i>Ayacut bellow 100 Acres - Combined District</i>)		29,490
Total				4,37,324

Data source: WRD, APWRIMS, Govt. of A.P.

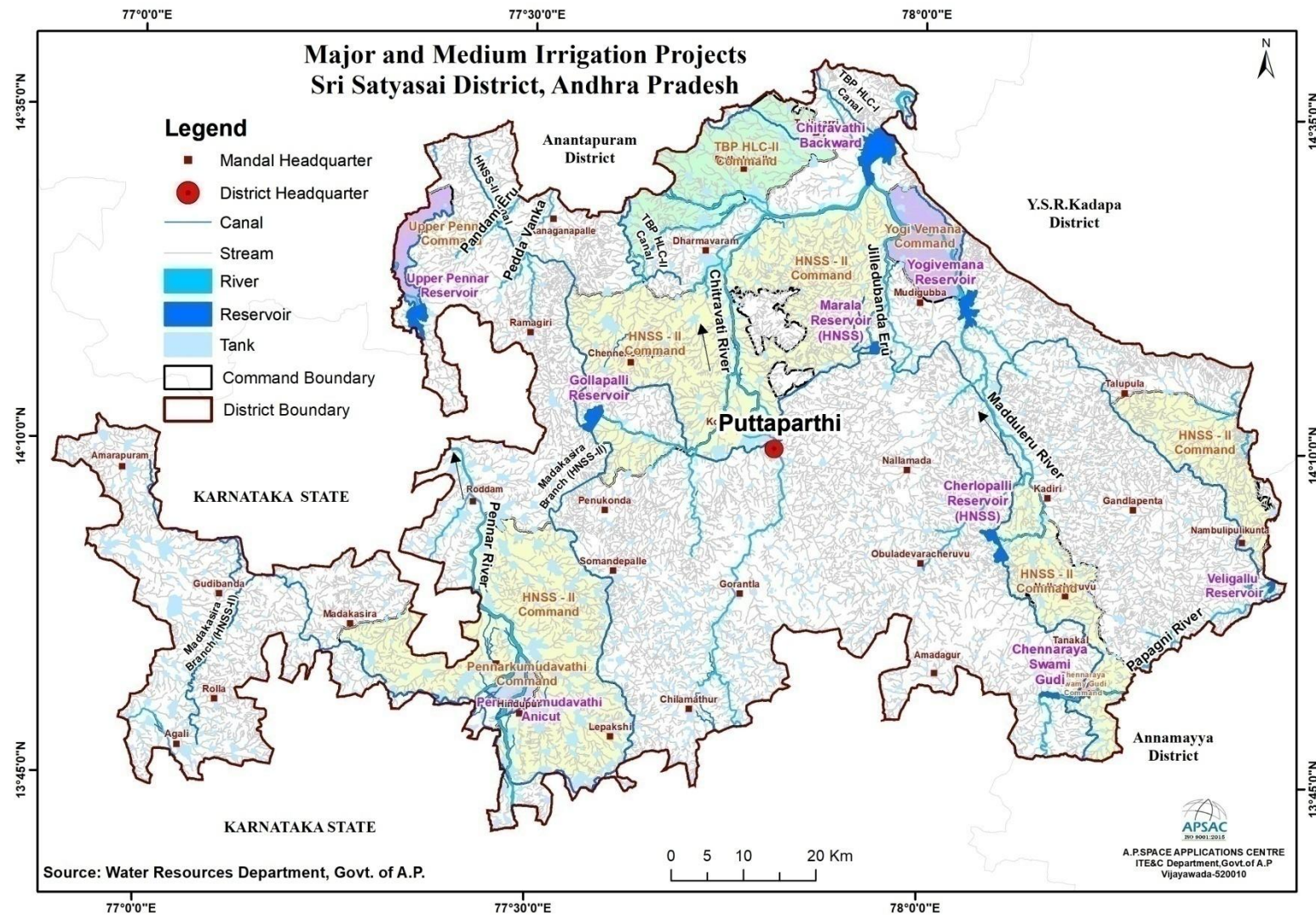


Figure-13: Major and Medium Irrigation Projects of Sri Sathya Sai District

Tank Information System

As per the information of Water Resources Departmental portal Andhra Pradesh Water Resources Information & Management System (APWRIMS) and portal URL:<https://apwrims.ap.gov.in/> in Sri Satyasai district has 1,180 minor irrigation tanks. The Designed Storage Capacity of Sri Satyasai district is 15,198.69mcft and Current Storage Capacity is 6,381.54mcft. The minor irrigation tanks are filled with HNSS Canal linking system in the district. The mandal wise minor irrigation tanks details of Sri Satyasai district are shown in Table-12.

Table 12 Mandal wise Minor Irrigation Tanks details of Sri Sathya Sai district

S. No	Mandal	No.of MI Tanks	Designed Storage Capacity (mcft)	Current Storage Capacity (mcft)
1	AGALI	24	465.18	192.56
2	AMADAGUR	41	190.91	11.3
3	AMARAPURAM	24	784.9	331.84
4	BATHALAPALLE	8	201.59	61.82
5	BUKKAPATNAM	26	1,006.79	1,006.64
6	CHENNE KOTHAPALLE	15	574.77	305.35
7	CHILAMATHUR	79	778.59	173.24
8	DHARMAVARAM	23	1,265.59	1,116.21
9	GANDLAPENTA	55	127.8	34.46
10	GORANTLA	89	892.71	139.36
11	GUDIBANDA	23	490.83	221.13
12	HINDUPUR	31	508.53	185.01
13	KADIRI	65	454.76	213.92
14	KANAGANAPALLE	13	273.69	113.48
15	KOTHACHERUVU	28	362.69	96.83
16	LEPAKSHI	26	482.8	196.66
17	MADAKASIRA	29	696.97	276.97
18	MUDIGUBBA	46	351.63	161.31
19	NALLACHERUVU	56	418.49	140.6
20	NALLAMADA	44	223.18	61.22
21	NAMBULIPULIKUNTA	82	527.82	185.79
22	OBULADEVARACHERUVU	48	245.74	38.46
23	PARIGI	12	126.15	0
24	PENU KONDA	22	431.04	166.7
25	PUTTAPARTHI	37	283.66	51.43
26	RAMAGIRI	8	362.78	227.42

27	RODDAM	30	882.49	174.43
28	ROLLA	25	198.46	81.42
29	SOMANDEPALLE	45	558.98	37.61
30	TADIMARRI	10	150.53	60.82
31	TALUPULA	55	262.84	57.22
32	TANAKAL	61	615.8	260.34
TOTAL		1,180	15,198.69	6,381.54

Data source: WRD, APWRIMS, Govt. of A.P.

1.6.3 Eco-sensitive areas and Important places

Sri Sathya Sai district is blessed with several tourist attractions that offer a mix of historical, cultural, and natural wonders. The important popular tourist, religious and cultural places to visit in the Sri Sathya Sai district are shown in the Table-13 and the geographical location of each place is depicted in Figure-14.

Table 13 Important places of Tourism in Sri Sathya Sai district.

S.N o	Name	Village	Mandal
1	Doddeswara Swamy Temple	Hemavathi	Amarapuram
2	Gagan Mahal & Fort Penukonda	Penukonda(Pt)	Penukonda
3	Kumbakarna Theme Park	Penukonda(Pt)	Penukonda
4	Sri Lakshmi Chennakesava Swamy Temple	Dharmavaram	Dharmavaram
5	Sri Lakshmi Narasimha Swamy Temple	Kadiri Rural	Kadiri
6	Sri Satyasai Baba Mandir	Yenumalapalle Rural	Puttaparthi
7	ThimmammaMarrimanu	Gootibylu	Nambulipulikunta
8	TholuBommalata	Pothulanagepalle	Dharmavaram
9	Veerabhadra Swamy Temple	Lepakshi	Lepakshi
10	Veerapuram Bird Sanctuary	Veerapuram	Chilamathur

Data Source: Tourism Department, Government of Andhra Pradesh.

A brief description of certain tourist places are given below:

Veerapuram Bird Sanctuary: Veerapuram Bird Sanctuary is located at about 63 km from the district headquarter Puttaparthi. Veerapuram is a Sanctuary where birds come from far away distances for breeding here. Every year we can see various no of painted stocks coming here for

breeding. The Painted Storks have settled down in Veerapuram for more than a century now.

Kumbakarna Theme Park: Kumbakarna Theme Park is located at about 32 km from the district headquarter Puttaparthi. Kumbakarna garden near Penukonda spreading over 5 acres has a gigantic statue of the sleeping Kumbhakarna, measuring 142 feet in length and 32 feet in height into whose cavernous belly one can walk. Several auras are seen trying to wake up the sleeping Giant, depicting the famous story of this invincible brother of Ravana in Ramayana.

Thimmamamarimanu: Thimmamamarimanu is located at about 69 km from the district headquarter Puttaparthi. There is a Banyan Tree, perhaps the biggest of its kind in the South, its branches spreading over nearly 5 acres, locally called "ThimmammaMarrimanu", where this Banyan tree sprouted, and it has a place in the Gunnies' book of world records with an area of 8 acres 15 cents with 5559 branches. (Ref: <https://srisathyasai.ap.gov.in/tourism/>)

Gagan Mahal & Fort Penukonda: Gagan Mahal is located at about 33 km from the district headquarter Puttaparthi. Penukonda is one of the early capitals of the Vijayanagara empire, the fort was impregnable during its time. The two most noteworthy sights in the fort are the "Gagan Mahal" the summer resort of the kings and "BabayyaDarga" a splendid example for communal harmony.

TholuBommatala: TholuBommatala (shadow form of puppetry) is located at about 28 km from the district headquarter Puttaparthi. The shadow form of puppetry locally called TholuBommatala, meaning dance of leather puppets is widely practiced in the state of Andhra Pradesh. These leather puppets are about 5-6 ft. in height and have joints at shoulders, elbows, knees and sometimes also the waist, neck and ankles. Traditionally, vegetable dyes are used for colouring the puppets. The themes of the play are based on episodes from Ramayana, Mahabharata, or Krishna legend.

1.6.4 Places of Religious and Cultural importance

Veerabhadra Swamy Temple: Veerabhadra Swamy Temple is located at about 59 km from the district headquarter Puttaparthi. This temple is situated at Lepakshi. This place is a famous pilgrim centre known for the

huge stone" NANDI" which stands nearby. The place is also associated with the travellers of Lord Sri Ram. The Temple is veritable treasure of sculpture and architecture.

Sri Sathya Sai Baba Mandir: Sri Sathya Sai Baba Mandir is located at about 2.8 km from the district headquarter Puttaparthi. This village is on the banks of Chitravathi. It is the abode of Puttaparthi Sri Sathya Sai Baba, drawing devoted disciples from all over the world. There is Prasanthi Nilayam constructed by the Devotees. The Baba is credited with acute powers. A beautiful mandapa by name "Poornachandra" is constructed in which a large number of Baba devotees.

Doddeswara Swamy Temple: Doddeswara Swamy Temple is located at about 109 km from the district headquarter Puttaparthi. The stone used in making the idols sounds like metal when stuck and is also remarkably polished. A Nandi made of black basalt granite, 8 feet in length and 4 feet in height sits at the entrance. There is a 6 feet tall Lingam installed inside the sanctum sanctorum. There is a museum in side which has rare idols of historical importance of display.

Sri Lakshmi Chennakesava Swamy Temple: Sri Lakshmi Chennakesava Swamy Temple is located at about 20 km from the district headquarter Puttaparthi. The Temple is renowned for its architectural brilliance and for the perennial waterspout and pillars, which produces seven different musical notes when struck.

Sri Lakshmi Narasimha Swamy Temple: Sri Lakshmi Narasimha Swamy Temple is located at about 15 km from the district headquarter Puttaparthi. This temple is situated at Kadiri, the holy shrine where Lord Vishnu set foot and handed over the Utsavamoorthi to Brugu Maharshi for his daily worship.

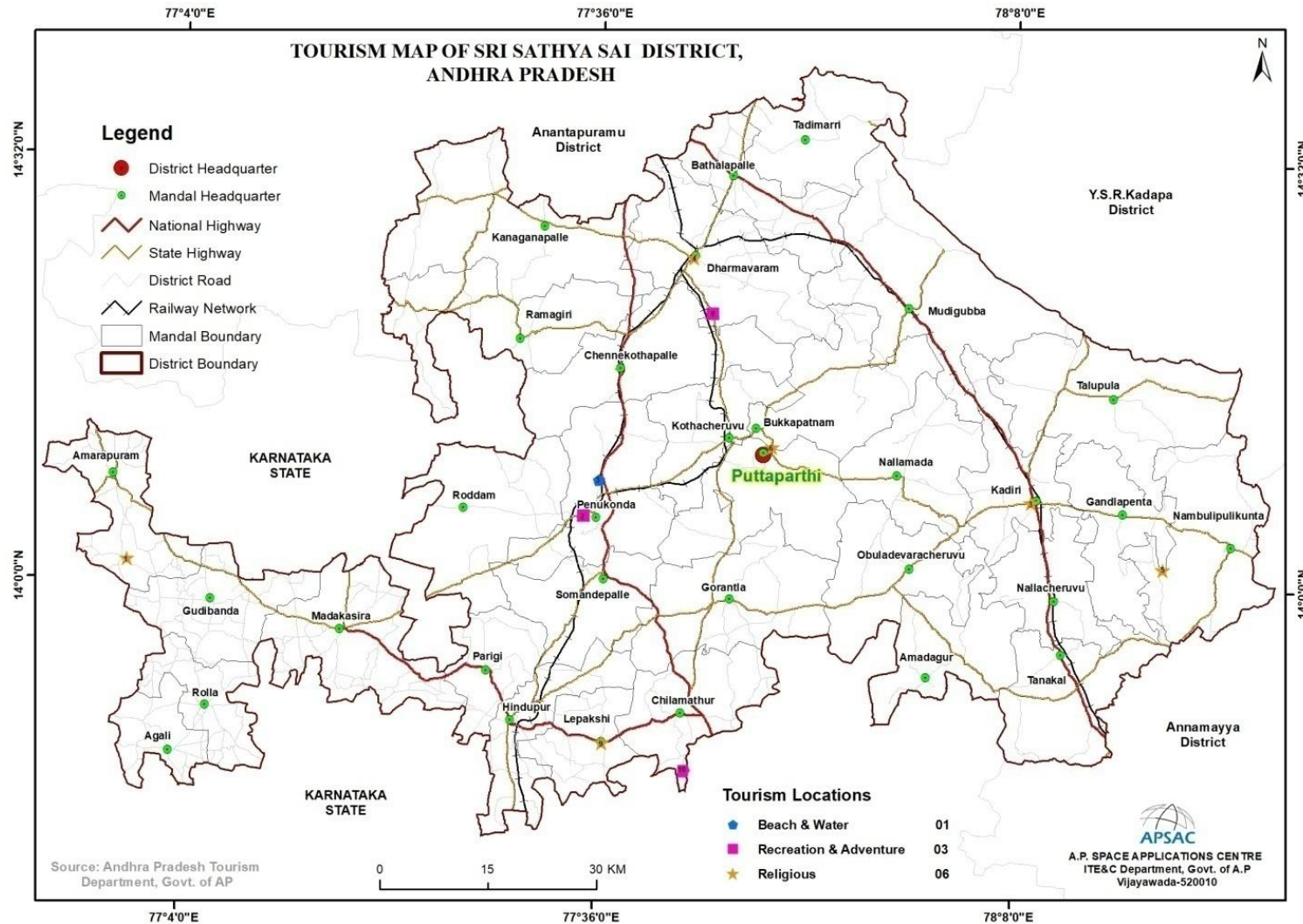


Figure-14: Tourism Map of Sri Sathya Sai district, Andhra Pradesh

1.7 Drainage Pattern

1.7.1 Drainage

The important river in the district is Pennar river and its tributaries covered with 90% of the total area and the remaining part partially covered with HagariVedavathi river. The Pennar river origin in the Nandi Hills of Karnataka State where it is called "Uttara Pinakini" and enters this district in the extreme south of Hindupur mandal and flows through Parigi, Roddam, Ramagiri and Kanaganapalle mandals. The river flows towards north direction and leaves the district near Konetinayanipalem in Kanaganipalli mandal. The major tributaries are Chitravathi and Papagni rivers in the district.

The Chitravathi rivers is main tributary of Pennar river and origin in Karnataka State and enters in the district near Kodikonda village of Chilamathur Mandal. The river flows towards north direction over rocky and hilly uplands and flows through Gorantla, Puttaparthi, Bukkapatnam, Kothacheruvu, C.K.Palli, Dharmavaram, Bathalapalli, Tadimarri and mandals and falls into Pennar river at Gandikota in YSR Kadapa district. The HagariVedavathi river origin in Bababudangiri Mountains of Karnataka State and flows towards north direction in small portion of the district on west side and joining to Tungabhadra River near Upla in Karnataka State.

Apart from these, streams like Kushavathi in Chilamathur mandal, Swarnamukhi in Agalimandal, Maddileru in Nallamada, Kadiri and mudigubba mandals, Papagni in Tanakalmandal, Pandameru in Kanaganipalli mandal and HNSS Canal linking Systems are important water supply sources to various large and medium irrigation tanks in the district. Figure-15 illustrates the drainage system, and the surface water bodies.

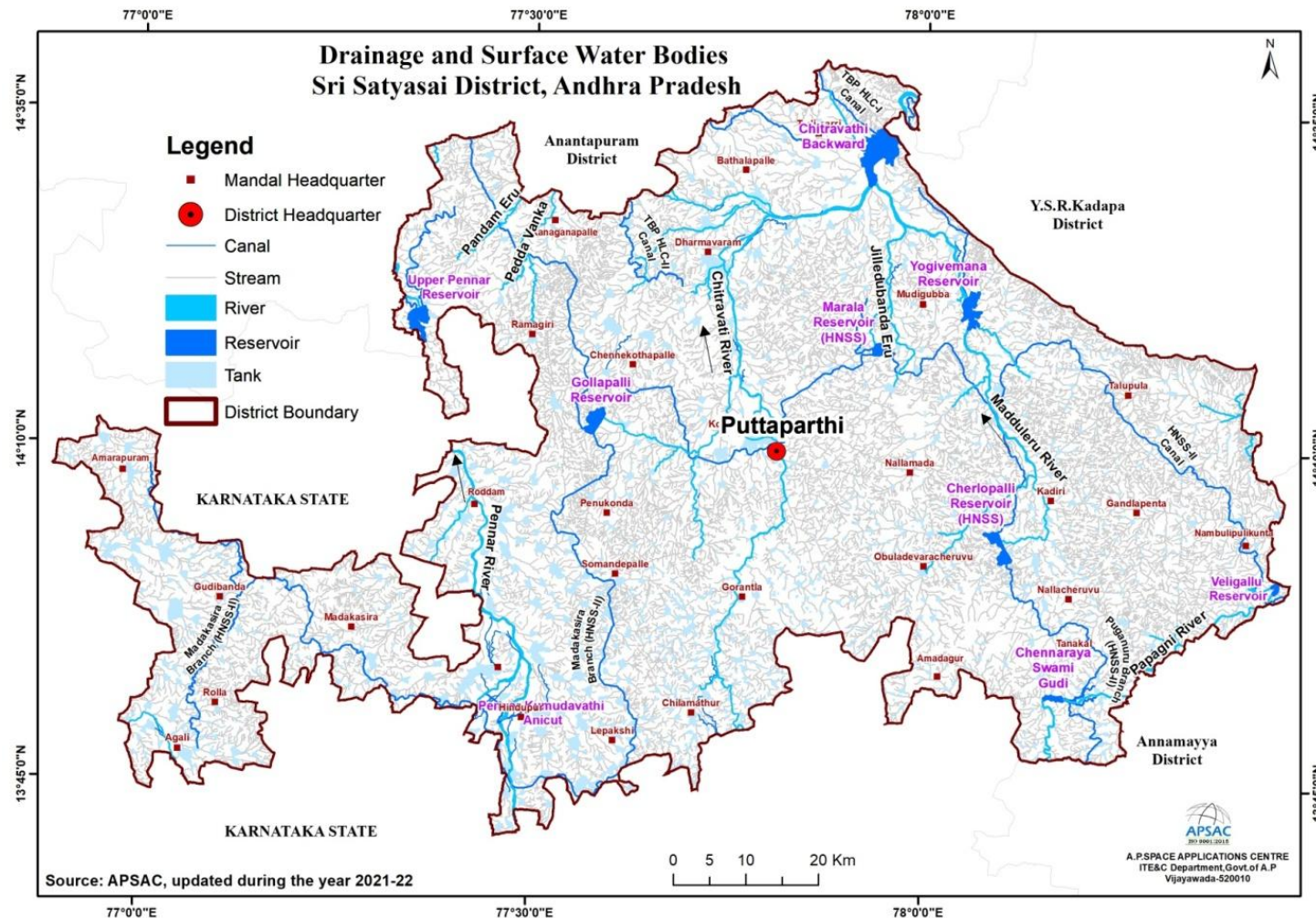


Figure - 15: Drainage Network and Surface Water Bodies of the Sri Sathya Sai District

1.7.2 Geomorphology of the District:

Using IRS satellite data and GIS, a detailed geomorphological and structural map of Sri Satya Sai District was generated as per Rajiv Gandhi National Drinking Water Mission (RGNDWM) guidelines on a 1:50,000 scale. The objective of this mapping is to map the lithology, geomorphology, and structural characteristics of an area on a 1:50,000 scale and to integrate the same to locate potential groundwater prospect zones and to recommend suitable structures for groundwater recharge. Various hydrogeomorphic units are delineated, and suitable recharge structures are proposed at drinking water-affected villages under this project. The geomorphology map of the Sri Satya Sai district is shown in Figure-16.

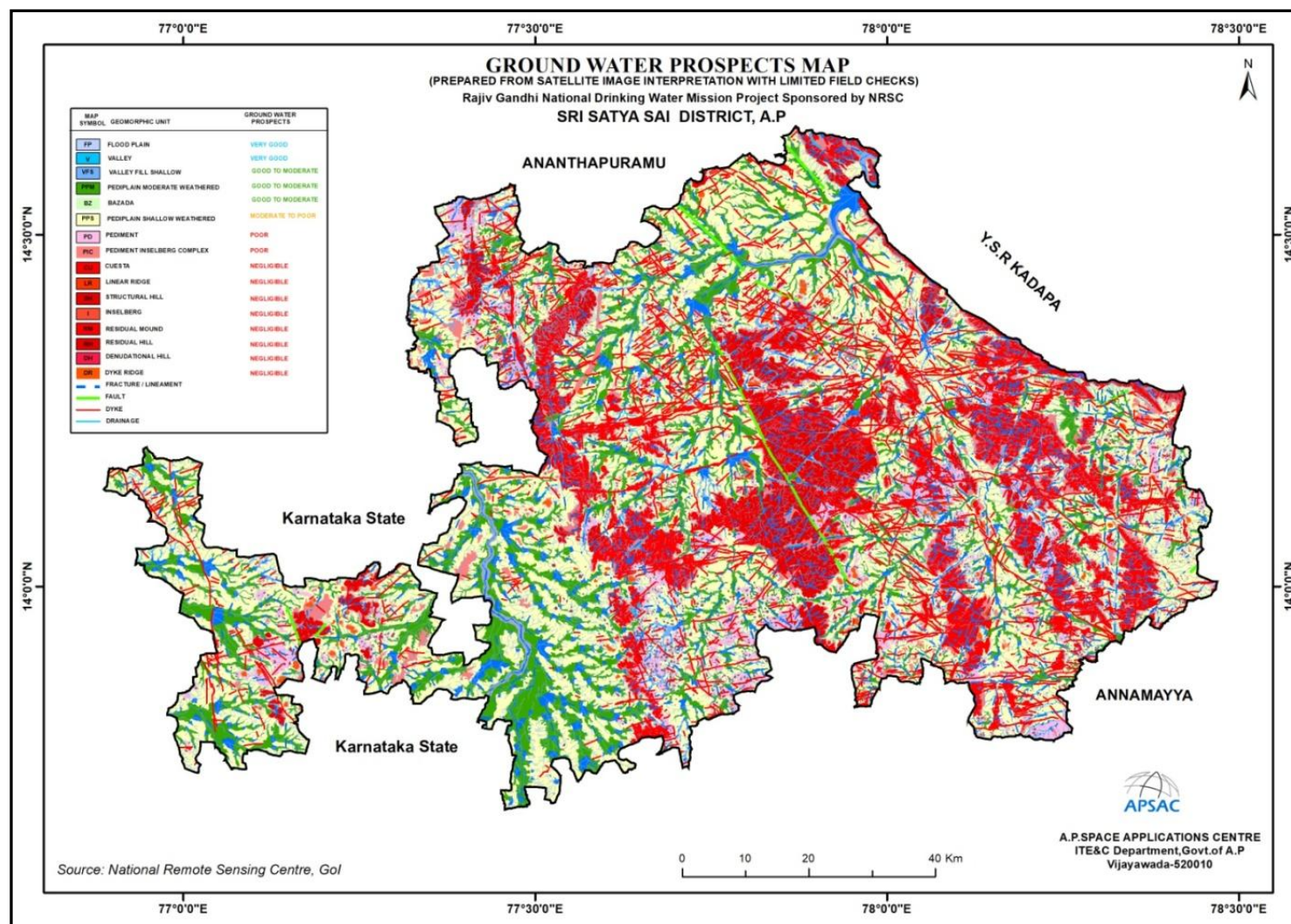


Figure-16: Geomorphology of Sri Sathya Sai District, Andhra Pradesh

1.7.3 Landforms of Fluvial origin

The term 'fluvial' is used in earth science to denote processes and landforms shaped by running water. Like other surface processes, running water can erode material from the earth's landscape or deposit layers of sediment, resulting in erosional or depositional landforms, respectively. The formidable power of running water in shaping various landforms is well recognized. Despite the stream's typically small water volume at any given time of the year, significant quantities flow through the channel, constituting a vital component of the hydrological cycle. Fluvial dissection of the landscape manifests as valleys and their associated channel networks, collectively forming a drainage network. These networks exhibit various quantitative regularities useful for analyzing both fluvial systems and the terrains they shape (NRSA, 2007).

Floodplain: A relatively smooth surface or strip of land adjacent to a river channel, either constructed or in the process of construction by the present river within its existing regimen. It becomes inundated with water during times of high water when the river overflows its banks. Composed of alluvium deposited by the river during floods, it settles in slower-moving water beyond the influence of the swiftest current.

Delta: A low, nearly flat, alluvial land tract deposited near the mouth of a river. Typically forming a triangular or fan-shaped plain of considerable area, it is enclosed and traversed by numerous distributaries of the main river. Deltas often extend beyond the general trend of the coast, resulting from the accumulation of sediment supplied by the river in quantities sufficient to resist removal by tides, waves, and currents in the adjacent body of water, usually a sea.

1.7.4 Landforms of Structural Origin

Landforms of structural origin are closely tied to the structural characteristics of the area. These landforms often owe their genesis to the underlying geological structure, which plays a crucial role in determining their form. The influence of structure can vary from minor variations to large-scale features, which have a profound impact on landform development. Mapping such large-scale features indirectly reveals the structural configuration of the area. Mega-scale structural features like faults and folds significantly influence the genesis of structural landforms. The influence of geological structures on landscape development is notable, ranging from large features that shape entire landscapes to smaller features affecting individual landforms and geomorphic processes.

Structural control may involve active structures directly shaping the modern landscape or ancient structural features whose influence on the modern landscape results primarily from differential erosion (NRSA, 2007).

Structural Hills: These hills and valleys originate from tectonic processes and are heavily dissected by drainage lines. They can be further classified based on the density of joints and drainage as highly, moderately, or minimally dissected. Interpretation of these features is typically conducted using planimetric satellite data, although classification can be subjective.

1.7.5 Landforms of denudational origins

The landforms of denudational origin are shaped predominantly by the denudation process, where erosion and weathering play significant roles. This process, which involves the removal of material, directly influences the relief of the area, particularly in reducing it to base level. The agents of denudation primarily include water, ice, and wind, with major factors such as geology, climate, tectonics, and anthropogenic effects influencing the extent of denudation. Various rocks and minerals near the surface undergo physical and chemical processes at different rates, resulting in the formation of distinct landforms. Weathering, an essential aspect of the rock cycle, breaks down parent material into smaller fragments and dissolves minerals, contributing to the formation of sedimentary rock and soil (NRSA, 2007).

Denudational Hill: Highly dissected, these hills often obscure underlying structures.

Inselberg: A prominent, isolated, steep-sided residual knob or hill, typically smooth and rounded, found in hot, dry regions such as the deserts of southern Africa or Arabia. It rises abruptly from an extensive, nearly level erosion surface, often bare and rocky but partly buried by debris derived from its own slopes. Inselbergs are characteristic of arid or semiarid landscapes in the late stages of the erosion cycle.

Pediment: A broad, flat, or gently sloping erosion surface or plain of low relief, typically formed by subaerial agents such as running water, in arid or semiarid regions. Found at the base of abrupt mountain fronts or plateau escarpments, it is underlain by bedrock or older alluvial deposits

and often partially covered with a discontinuous veneer of alluvium derived from upland masses.

Pediplain: An extensive, multi-concave erosion surface formed by the coalescence of adjacent pediments and occasional desert domes. Representing the mature stage of the erosion cycle, it is often referred to as the 'peneplain.' Pediplains are further classified based on the thickness of weathering as shallow, moderate, or deep.

1.7.6 Structural Features of Sri Satya Sai District

Structural features typically encompass faults, fractures, shears, joints, or unconformities through which groundwater movement occurs. These features are identified in satellite images based on tonal contrast, river/stream alignment, differences in vegetation cover, and knick-points in pattern terminations. Folds can be easily discerned on images by variations in trend, circular lineaments, and other geomorphological features. In Sri Satya Sai, the East-West, North-South, and northwest (NW)-southeast (SE) fractures are tensile fractures, yielding 1 to 8 liters per second (lps) from bore wells drilled close to them, while the Northeast (NE)-Southwest (SW), North-Northeast (NNE)-South-Southwest (SSW) fractures are shallower, yielding between 0.2 to 6.0 lps (CGWB, 2013). Remote sensing-based hydro-geomorphological maps at a 1:50,000 scale are invaluable for groundwater studies. These maps greatly facilitate the identification and delineation of areas with different groundwater potentials, as well as indicating zones suitable for groundwater exploration and development. The structural features map of the Sri Satya Sai District is shown in Figure-17.

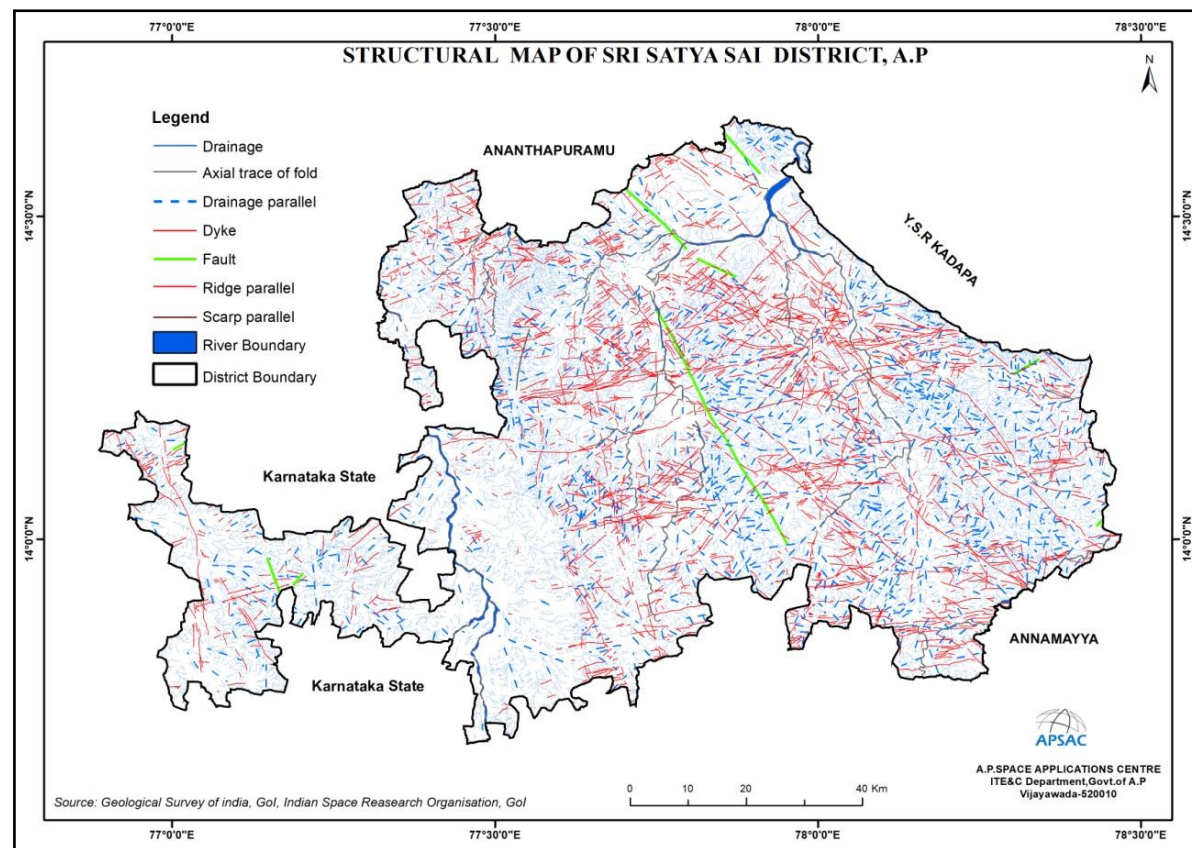


Figure-17: Structural Map of Sri Sathya Sai District, Andhra Pradesh

1.7.7 Ground Water Quality in Sri Sathya Sai District

Groundwater quality laboratory analyzed for physicochemical parameters like Total Dissolved solids, Total Hardness, Chlorides, Nitrate, pH, Fluoride, Iron, Alkalinity, and Sulphate using standard techniques, groundwater quality samples were collected for two seasons i.e., post-monsoon and pre-monsoon in December 2017 to June 2019 from Rural Water Supply and Sanitation Department (RWS and S) and compared with the Bureau of Indian Standards, 2015 Groundwater Quality, in terms of desirable, permissible and non potable classes. Blue, yellow, and red colours indicate the pre-monsoon quality, and +, -, symbols indicate the post-monsoon quality for desirable, permissible, and non-potable classes respectively. From the analysis, it has been observed that the groundwater is polluted in premonsoon and post-monsoon about 85% of the area is under the non-portable category due to high concentrations of Nitrate, Fluoride, and Iron. Further, about 5% of the area is potable category remaining 10% of the area is covered with hills and water bodies of the entire District. The occurrence and movement of groundwater in an area are governed by several factors such as topography, lithology, geological structure, depth of weathering, the extent of fractures, drainage pattern, climate conditions, and the interrelationship between these factors. The Groundwater quality map of the Sri Satya Sai district is shown in Figure-18.

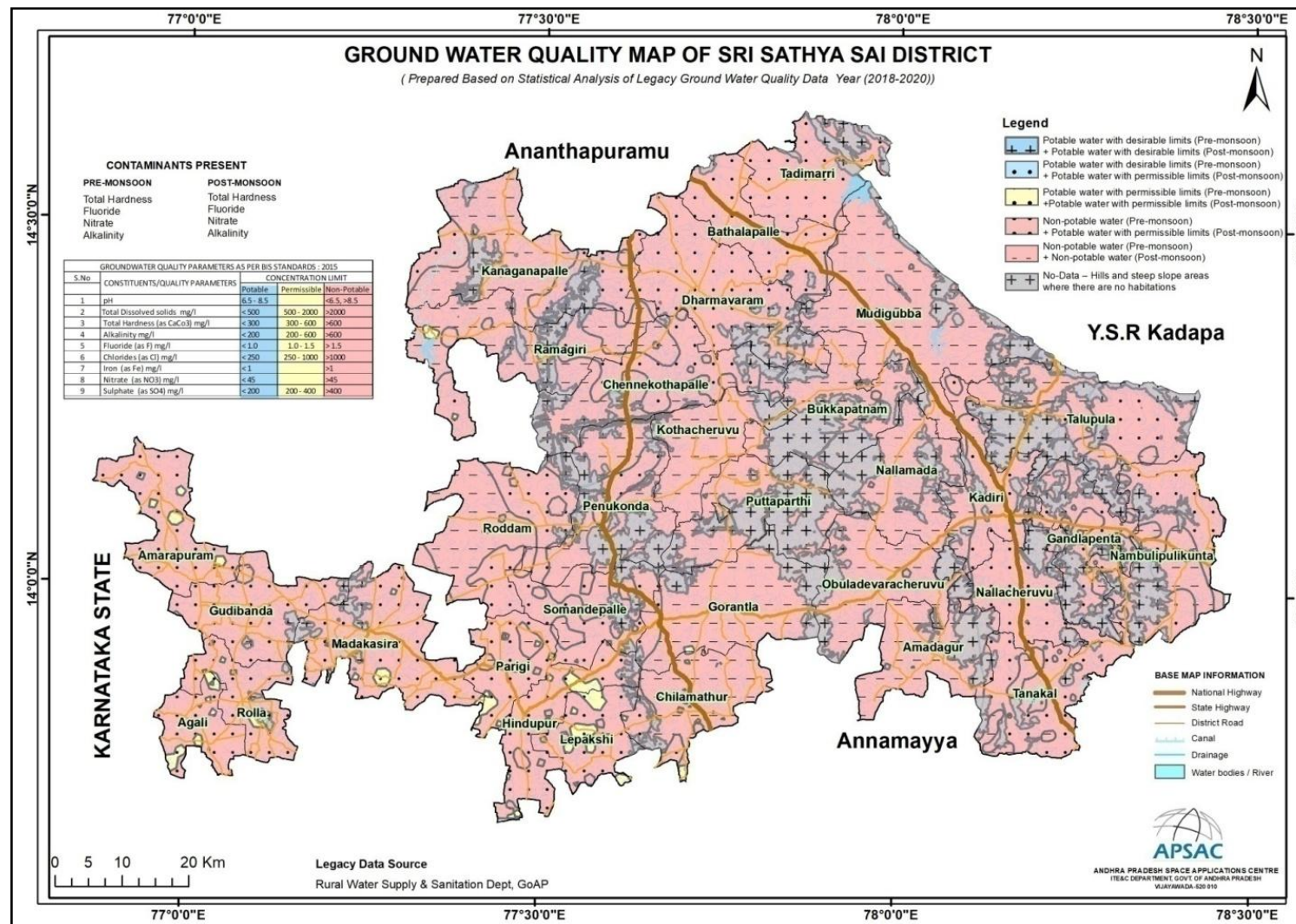


Figure-18: Ground Water Quality Map of Sri Sathya Sai District

Chapter – II Minor Minerals

2.1 Overview of Mining Activity

The following leases exist in this Sri Sathya Sai office jurisdiction. Mineral Regulatory, the important functioning of this office in these aspects are:-

- Achievement of Targets of Mineral Revenue collections being fixed to this office annually
- Receiving and processing of the Mineral Concession Applications duly conducting the technical inspection, Survey and demarcation of the Mineral bearing applied areas
- Execution and Regulation of the operations of the Mining / Quarry leases in accordance with the Acts and Rules
- Issuing of dispatch permits duly collecting the Advance Royalty / Seig.fee from the lease holders on the minerals produced and intend to dispatch from their leased areas through online permit system
- Controlling the illegal Mining / Quarrying and transportation by conducting the periodical inspections of the Mines and Quarries and also conducting the surprise vehicular checking and imposing the penalties
- Finalisation of Demand, Collection and Balance statements of the leases on annual basis

2.2 Geology of the District

Generalized Litho-stratigraphic Succession of Andhra Pradesh

Geological Time (a)	Super group (b)	Group (c)	Formation (d)
Holocene sand and soils	-	-	Alluvium, river terraces, beach
Pleistocene	-	-	Laterite and Gravel
Mio-Pliocene	-	-	Rajahmundry Fm.
Late Cretaceous Eocene	-	-	Deccan Trap with infra-and inter-trappeans
Lower Cretaceous to Upper Carboniferous	Gondwana	Upper Gondwana	Godavari Valley (Fluviatile) Chikiala Fm. Gangapur Fm. Coastal Area (Fluvio-marine) Tirupati Fm. (Vejendla Fm) Raghavapuram Fm. (Vemavaram), Kandukuru,

		Lower Gondwana	Kota Fm. Maleri Fm.	Sriperambadur Fms) Gollapalle Fm. (Satyavedu Fm.) Kamthi Fm. Barren Measures, Barakar Fm. Talchir Fm.
<hr/>				
		Cuddapah Basin Pakhal Basin		
Sullavai Sandstone				
			Nandyala Shale Koilkuntla Limestone	Putnur Limestone
Middle to Upper Proterozoic (980-500 m.y)		Kurnool	Panyam Quartzite Owk Shale Narji Limestone Banaganapalli Quartzite	Penganga Group Takalapalle Arkose
			Srisailem Quartzite	Alabaka Sandstone
		Nallamalai	Cumbum Fm.	Lankavaram Shale Pattipalle Quartzite Polavaram Fm. Jakaram Arkose
			Mulug Group	
Middle Proterozoic (1600-1300 m.y.)			Bairankonda Quartzite	
	Cuddapah	Chitravathi	Gandikota Quartzite	Pandikunta Shale
			Tadipatri Fm.	Gunjeda Dolomite
			Pulivendula Quartzite	
		Papaghni	Mallampalli Group Vempalle Fm. Gulcheru Quartzite	Bayyaram Quartzite Bolapalle Fm.
<hr/>				
<hr/>				
EPARCHAEAN INTERVAL				
<hr/>				
			Charnockite	Charnockite with megacrystic k- feldspar
Middle Proterozoic to Late Archean (2600-970 m.y)	Eastern Ghats		Khondalites	Two pyrozone granulite /

				amphibolite
				Calc-silicate / granulite, Garnet-sillimanite-quartz-graphite gneiss (biotite-k-feldspar (Khondalite)
				Quartzite (gernet, sillimanite)
Late Archaean (2700 m.y)	Dharwar	Ramagiri-Penakacherla, Kolar, Kadiri, Gadwal-Narayanpet, Jonnagiri, VeligalluPeddavuru Schist Belts &W.Part of Nellore Belt.		Pyroclastic Rocks, local conglomerate / event conglomerate Metabasalt (Pillowed), Acid volcanics, minor andesite, dacite, rhyodacite, amphibolites, metaultramafics, minor quartzite, calcsilicates, phyllites, intrusives of basic rocks and granites, rare lamprophyres.
Middle Archaean (3100-2900 y.m)	Older Supracrustals (Sargur)	Eastern Southern parts of Nellore.	and	High Grade schists include garnet, staurolite, kyanite, sillimanite, cordierite (rarely sapphirine-kornuopine as in Karimnagar) Mica schists, calcilicate rocks, crystalline limestone (minor). BIF, fuchsite quartzite, hornblende granulite, amphibolite, migmatite streaky biotite gneiss.
Gneissic Complex				Banded Tonalite-Trondhjemite Gneiss.

Geologically, the State of Andhra Pradesh forms a part of peninsular India and is one of the most ancient land masses. The geological formations of Andhra Pradesh range from the oldest to the recent.

The Sargur Supracrustals are the oldest rocks in Southern India, predominantly found as enclaves within the migmatitic gneiss. These supracrustals are primarily exposed in the eastern and southern parts of the Nellore schist belt. The lithology of the Sargur formation mainly comprises garnet- and staurolite-bearing schists, Banded Iron Formations (BIFs), quartzites, granulites, and amphibolites. The gneissic complex consists of banded tonalite-trondhjemite gneiss, which forms the basement rock of the study area, along with migmatitic gneiss and biotite granite gneiss.

TTGs (Tonalite-Trondhjemite-Granodiorite) are sodic, quartz-bearing granitic plutonic rocks, with plagioclase being the most common feldspar, while K-feldspar ranges from subordinate to nearly absent. The Dharwarian rocks in Andhra Pradesh are exposed in the western part of the Nellore belt and various other areas such as Anantapur, Ramagiri-Penakacherla, Kolar, Kadiri, Gadwal-Narayanpet, Jonnagiri, Veligallu Peddavuru Schist Belts, and the western part of the Nellore Belt. The lithology mainly comprises Metabasalt (Pillowed), acid volcanics, minor esite, dacite, rhyodacite, amphibolites, metaultramafics, minor quartzite, calcsilicates, phyllites, intrusives of basic rocks and granites, rare lamprophyres, and some Pyroclastic Rocks, with local conglomerates or event conglomerates defining stratigraphic hiatuses in the study area.

Rocks ranging from middle Proterozoic to late Archaean are exposed in the Eastern Ghats mobile belt, characterized by extremely high-grade metamorphism falling under the granulite facies. These rocks predominantly include khondalites and charnockites. Charnockite, with mega-crystic feldspar, Two-pyroxene granulite/amphibolite, Calc-silicate/granulite, Garnet-sillimanite-quartz-graphite gneiss (Biotite-K-feldspar), and Quartzite (garnet, sillimanite) are exposed in most of the state.

The Cuddapah Basin, a part of the Dharwar Craton, is the second-largest Purana basin of Peninsular India. It marks the profound unconformity Eparchaeon unconformity in early literature. The Cuddapah Basin formation exposes rocks ranging from late Proterozoic to upper Proterozoic.

The Cuddapah Basin is divided into four groups: Nallamalai, Chitravathi, Papaghni, and Kurnool. Papaghni comprises dolomite and limestones, Chitravathi comprises shale, dolomite, and quartzites, Nallamalai comprises shale, quartzites, and arkosic sandstones, while Kurnool

comprises shales, quartzites, and limestones. The Cuddapah Basin is characterized by a rhythmic pattern of quartzite-shale-carbonate cycles. Uraniferous limestone is also reported from the Cuddapah Basin. Major exposures of Purana rock formations are found in Prakasam, Kurnool, Cuddapah, Chittoor, and Nellore. The Deccan Traps are found in East and West Godavari districts, with exposures near Rajahmundry. Tertiary formations outcrop in East and West Godavari and Visakhapatnam districts, while Quaternary sediments occur as thick blankets of alluvium in river valleys, deltas, and along the East coast.

The geological formations in the Sri Satya Sai district can be broadly divided into distinct and well-marked groups: an older group of metamorphic rocks belonging to the Archaean and a younger group of sedimentary rocks belonging to the Proterozoic age (GSI, 1979). The latter covers parts of Tadipatri, Putlur, and the eastern parts of Gooty and Narpala mandals. The remaining parts of the district are occupied by Archaean rocks consisting of schists, gneisses, migmatites, and younger granites, pegmatites, quartz veins, and basic dykes. The Archaean rocks have undergone considerable tectonic disturbances, resulting in metamorphism and recrystallization.

Some dykes seem to act as barriers to groundwater movement, creating areas of good groundwater potential upstream and indicating low potential with deep water levels downstream. The northwest (NW)-southeast (SE) and east-west (E-W) trending dykes act as barriers to groundwater flow, while northeast (NE)-southwest (SW) and north-south trending dykes usually follow stream courses and lineaments, acting as conduits for groundwater flow. Older metamorphic sequences comprising biotite schist, hornblende, pyroxenite, and amphibole of Archean age, along with a younger group of sedimentary rocks belonging to the Proterozoic age, constitute the main geological formations of the area. The geology and detailed legend with the stratigraphic sequence of Sri Satya Sai District are shown in Figure-19.

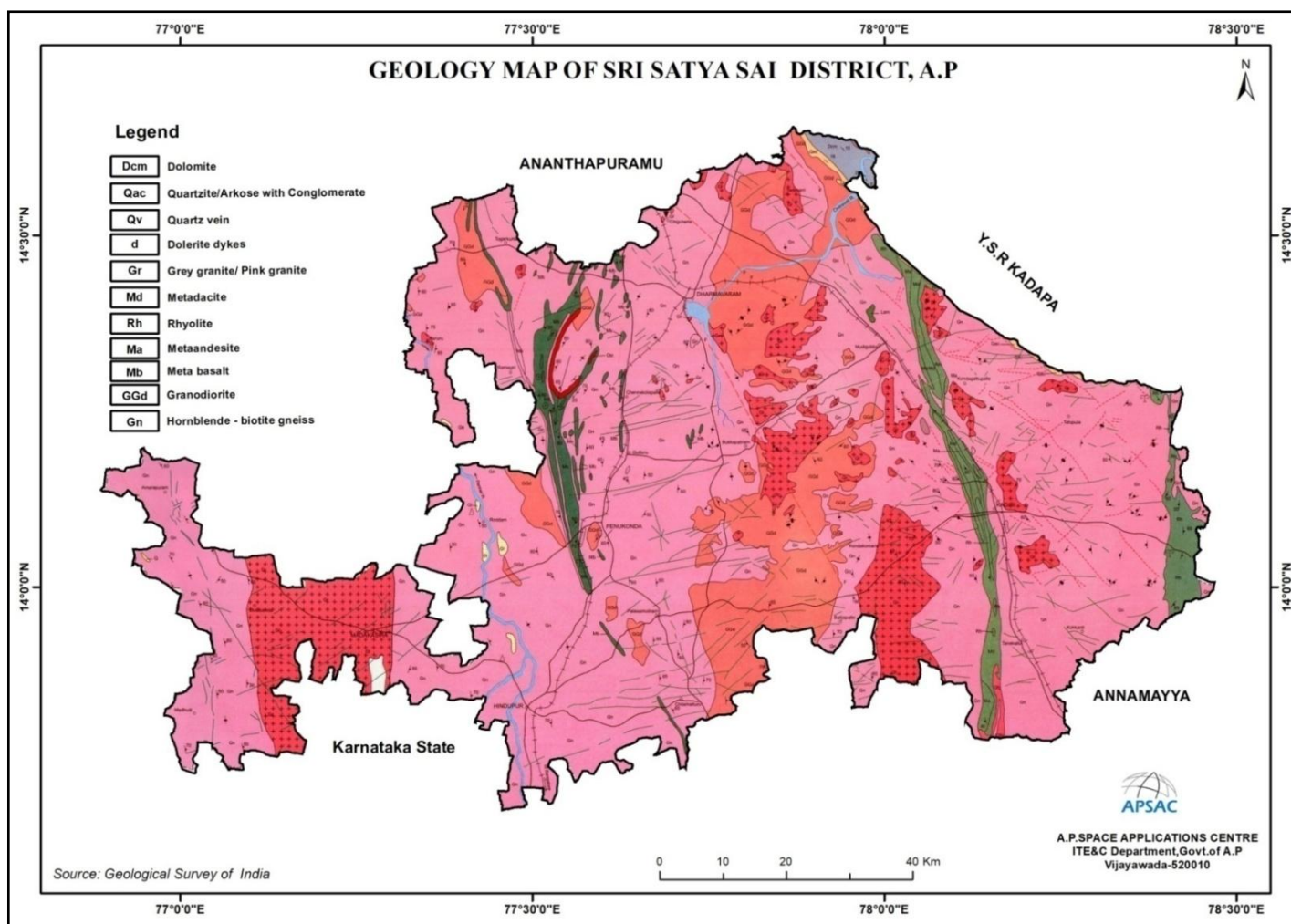
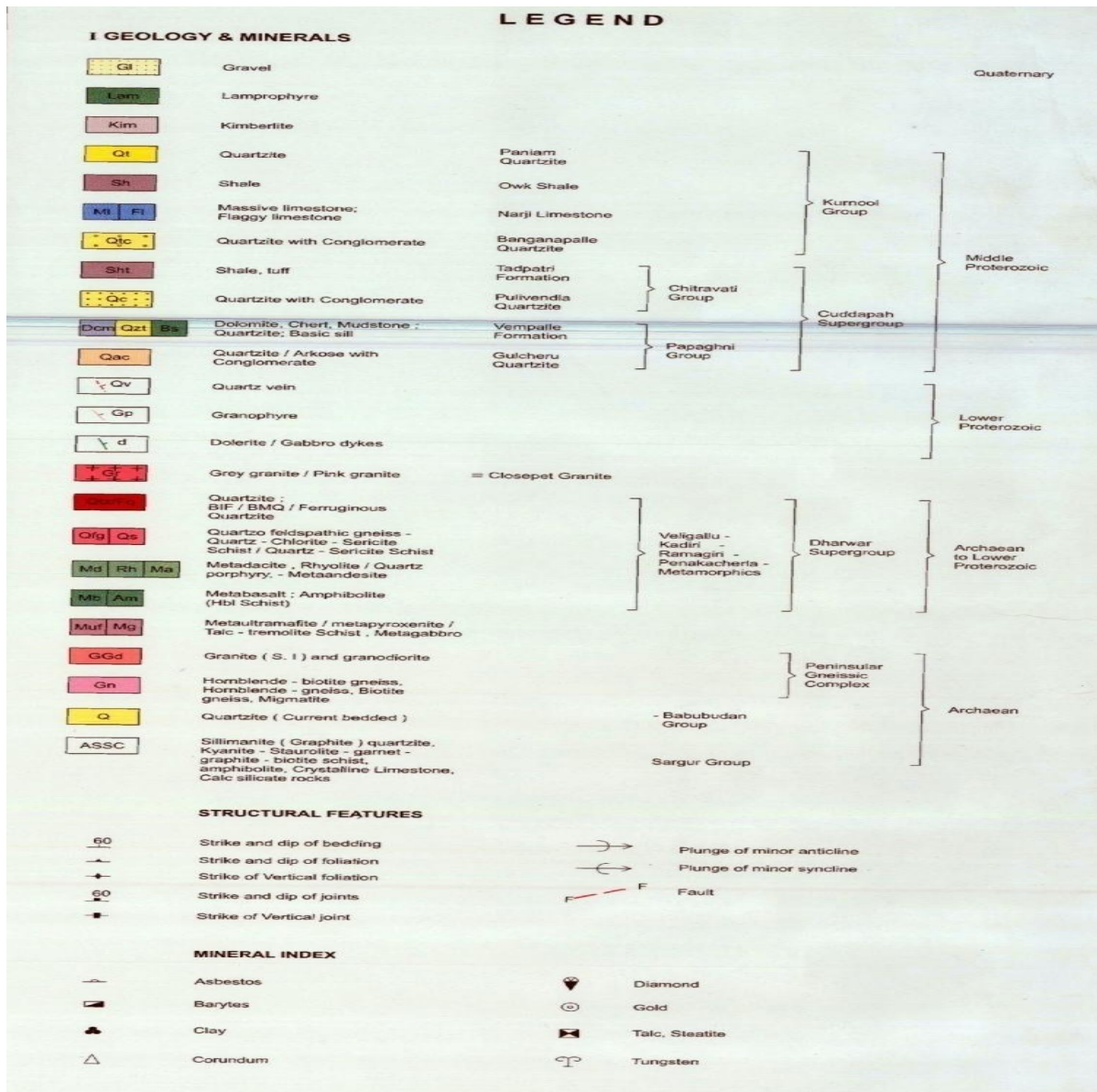


Figure-19: Geology of Sri Sathya Sai District, Andhra Pradesh (Source: GSI, 2000)



Detailed Legend with Stratigraphic Sequence of Sri Sathya Sai District

2.3 Minor Mineral Resources of Sri Sathya Sai District:

Prepared as per Sustainable Sand Mining Management Guidelines 2016 & 2020) (Data Source: Assistant Director of Mines and Geology, Sri Satya Sai District, Andhra Pradesh)

Color Granite: This color granite variety is predominantly used for monuments and as dimension stones for flooring and wall tiling. It is available in Hulikeradevarahalli village in Agali Mandal, Amadagur, Chinaganipalle, Pulakuntlapalle villages in Amadagur Mandal, Agraharam, Siddarampuram villages in Bukkapatnam Mandal, Chagaleru, Morasalapalle villages in Chilamathur Mandal, Gandlapenta,

Godduvelagala, Malameedapalli villages in Gandlapenta Mandal, and Gangampalle Village in Gorantla Mandal. The color granite is also available in Gudibanda, Konkallu, Rallahalli villages in Gudibanda Mandal, Kadiri, Muthyalacheruvu villages in Kadiri Mandal, Amidalagondi, Haresamudram, Jadrahalli, Mallinayakanahalli, Melavoi villages in Madakasira Mandal.

Additionally, color granite is found in Dorigallu, Thimmanayanipalem villages in Mudigubba Mandal, Jogannapeta Village in Nallacheruvu Mandal, Reddipalle, Vellamaddi villages in Nallamada Mandal, Mekalacheruvu Village in Nambulipulikunta Mandal, Venkatapuram village in Obuladevara Cheruvu Mandal, Settippalle Village in Penu Konda Mandal, Makkinavaripalle Village in Ramagiri Mandal, Dodderi, Ratnagiri villages in Rolla Mandal, Odulapalle, Udumulakurthy villages in Talpula Mandal, and Agraharampalli, Balasamudram, Danduvaripalle, Kokkanti, Tanakal villages in Tanakal Mandal.

Black Granite: Black granite, which occurs in Chittoor and is commercially called G20, is a premium variety. Its appearance is completely black and is predominantly used for monuments and also as dimension stones for flooring and wall tiling. Black granite is available in Chinaganipalle village in Amadagur Mandal, Muthukur Village in Gudibanda Mandal, Patnam Village in Kadiri Mandal, Thummalakuntlapalle Village in Obuladevaracheruvu Mandal, Polepalle Village in Ramagiri Mandal, Peddannavaripalle Village in Talpula Mandal, and Agraharampalli, T.sadum, Tavalam Villages in Tanakal Mandal.

Building Stone: Used for construction purposes such as walls, lintels, columns, arches, dams, and retaining walls, building stone is available in Ravudi village in Agali Mandal, Demakethepalle, Hussainpuram, Kodikonda villages in Chilamathur Mandal, Gownivaripalle village in Gorantla Mandal, Karikera, Kekathi villages in Gudibanda Mandal, Kutagulla, Saidapuram villages in Kadiri Mandal, Tamarla village in Kothacheruvu Mandal.

Building Stone is also available in Kanchisamudram Villages in Lepakshi Mandal, Govindapuram Villages in Madakasira Mandal, Peddachigullarevu Village in Mudigubba Mandal, Oravoy, Tamarlavandlapalle Villages in Nallacheruvu Mandal, Donnikota, Gopepalle Villages in Nallamada Mandal, Beedupalle Village in Puttaparthi Mandal, Nasanakota Village in Ramagiri Mandal, Kogira Village in Roddam Mandal, Bommagondanahalli, Rolla Village in Rolla Mandal.

Road Metal: Road metal is utilized for construction purposes and also as railway ballast. It is available in Ravudi Village in Agali Mandal, Demakethepalle, Hussainpuram, Kodikonda Villages in Chilamathur Mandal, Budili, Gownivaripalle villages in Gorantla Mandal, Gudibanda Village in Gudibanda Mandal, Kadirikuntlapalle, Kadirikuntlapalle, Saidapuram villages in Kadiri Mandal, and Kanchisamudram village in Lepakshi Mandal.

Road metal is also available in Govindapuram village in Madakasira Mandal, Peddachigullarevu village in Mudigubba Mandal, Oravoy Tamarlavandlapalle villages in Nallacheruvu Mandal, Donnikota, Gopepalle villages in Nallamada Mandal, Kogira Village in Roddam Mandal, Bommagondanahalli, Rolla village in Rolla Mandal, and Odulapalle Village in Talpula Mandal.

Quartz: Quartz is used in the paint, ceramic tiles, and glass industries. This mineral is available in Thummala village in Amadagur Mandal, Chamalagondi, Maddivarigondi villages in Gandlapenta Mandal, Kutagulla village in Kadiri Mandal, Dorigallu, S.bandlapalle, Sankepallebrahmanap village in Mudigubba Mandal, Tamarlavandlapalle village in Nallacheruvu Mandal, Dhaniyanicheruvu, Edurudona, Velichelimala village in Nambulipulikunta Mandal, Veeraobanapalle village in Obuladevaracheruvu Mandal, Tadimarri village in Tadimarri Mandal, and Odulapalle village in Talpula Mandal.

Pyrophyllite: Used in the paper, plastic, paint, insecticide, and pharmaceutical industries, pyrophyllite is available in Marrikommadinne and Vankamaddi villages in Nambulipulikunta Mandal. The Mineral Resources map of the Sri Satyasai district is shown in Figure-20.

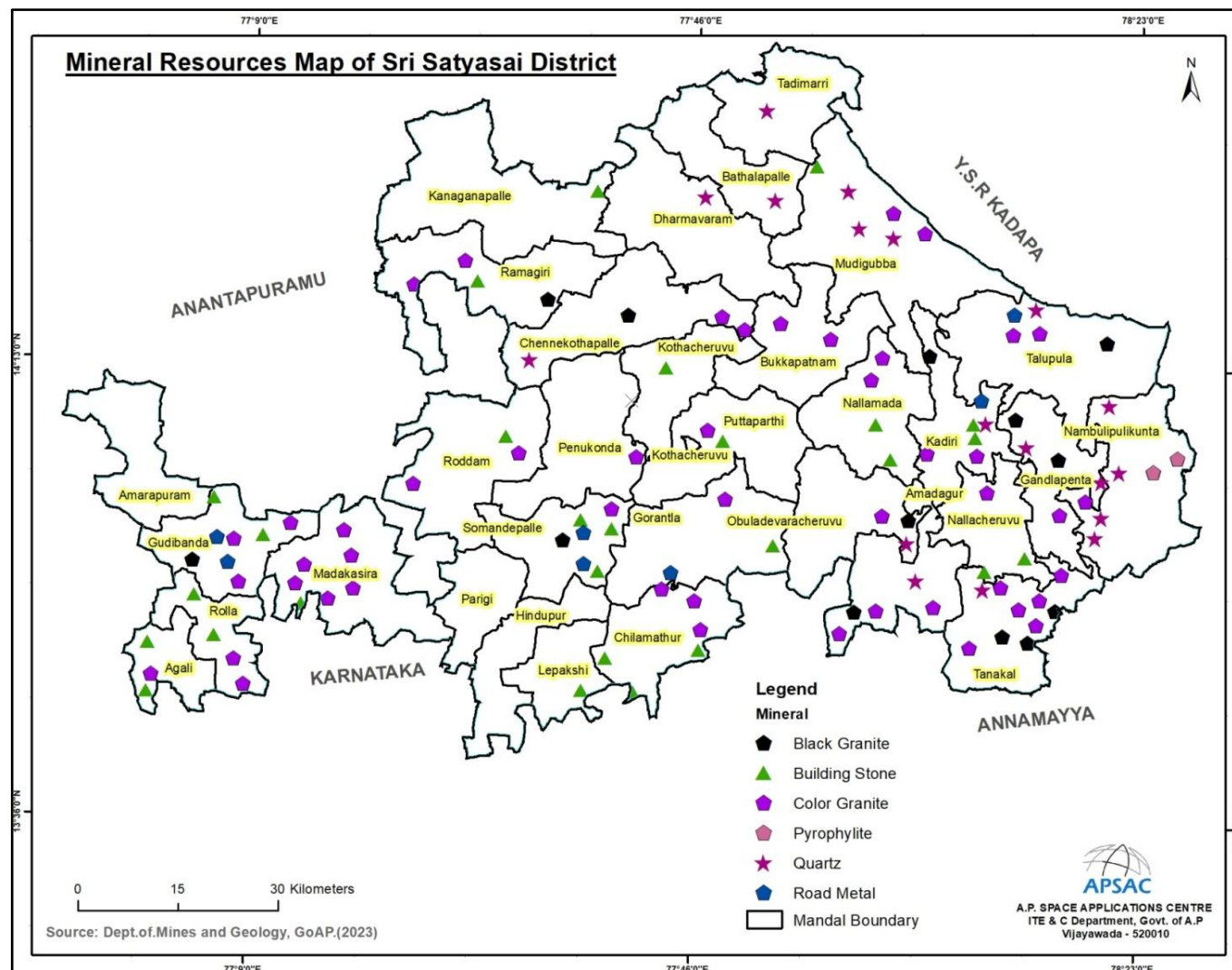


Figure-20: Mineral Resource Map of Sri Sathya Sai District

The list of statements showing leases for working and nonworking leases in Table-14:

Table 14 The list of statements showing leases for working and nonworking leases in respect of O/o Asst. Director of Mines and Geology, Puttaparthi in Sri Sathyasai District

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
1	12111 40243	Colour Granite	K. Y. V. VADDERA GRANITES	3-175, Ananthapuramu, Agali, P. BYADIGERA	51758/R4-1/2011 17 May 2014	1.705	W	Non-Captive	SEIAA/AP/ATP-81/2013-5622, dt: 17.09.2014	N 13° 46' 51.12675" E 77° 00' 28.51881", N 13° 46' 50.95882" E 77° 00' 32.21485", N 13° 46' 53.85725" E 77° 00' 32.65046", N 13° 46' 55.80642" E 77° 00' 33.59941", N 13° 46' 56.46186" E 77° 00' 33.32295", N 13° 46' 57.01583" E 77° 00' 32.30434", N 13° 46' 57.63314" E 77° 00' 32.51916", N 13° 46' 57.30492" E 77° 00' 31.83285", N 13° 46' 58.36844" E 77° 00' 31.40843", N 13° 46' 58.53971" E 77° 00' 31.71336", N 13° 46' 58.43517" E 77° 00' 30.32735", N 13° 46' 53.89535" E 77° 00' 31.45972", N 13° 46' 53.65211" E 77° 00' 30.15323", N 13° 46' 53.57081" E 77° 00' 29.25884".	Opencast
2	12111 50390	Colour Granite	Smt. B. ACHAMMA A	B. Achamma, W/o B. Guttappa P. Byadigiri (V) Agali (M) Ananthapuramu District	27889/R3-1/2012 28 Feb 2015	1.841	NW	Non-Captive	Order No: SEIAA/AP/ANT-94/2014-1028 dt: 08-01-2015 to 07-01-2035 (20 years)	N 13° 46' 56.5" E 77° 00' 22.1", N 13° 46' 58.6" E 77° 00' 18.8", N 13° 46' 54.3" E 77° 00' 16.7", N 13° 46' 52.1" E 77° 00' 19.8", N 13° 46' 53.3" E 77° 00' 20.3", N 13° 46' 52.9" E 77° 00' 21.3", N 13° 46' 53.9" E 77° 00' 21.7", N 13° 46' 54.6" E 77° 00' 21.1".	Opencast
3	12119 90266	Colour Granite	SUN ROCK AGES	P. Byadagere (V) Agali (M) Ananthapuramu District, Cell: 9866685698	36050/R5-A/1995 20 Apr 1999 (for 15 Years) & 6407/R4-1/2017, dt: 25.06.2018	1.865	W	Non-Captive	DEIAA/AP/ATP/2017/5696/20, dt: 16.09.2017	-	Opencast
4	12111 80503	Colour Granite	Dharani Rocks, Prop: S.	D.No.15/55/2, Kamala Nagar, Ananthapuramu	31321/R4-1/17, dt: 28.06.2018	1.295	NW	Non-Captive	DEIAA/AP/ATP/2018/2687/103, dt: 07.03.2018	N 13° 47' 02.40000" E 77° 00' 14.50000", N 13° 46' 59.40000" E 77° 00' 13.70000", N 13° 46' 58.60000" E 77° 00' 16.80000",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			Venugopal							N 13° 47' 01.40000" E 77° 00' 17.70000", N 13° 47' 00.40000" E 77° 00' 20.90000", N 13° 46' 56.60000" E 77° 00' 21.80000", N 13° 46' 58.00000" E 77° 00' 18.10000".	
5	12111 80499	Colour Granite	Taz Granites, Prop: Sri Fazlur Rehman Shariff	S/o Late M. Shariff, D.No.68/1, 2nd Floor, Near Holy Faith School, Bangalore - 560030, Cell No.9741007869	No	1.153	W	Non-Captive	DEIAA/AP/ATP/2017/5694/18, dt: 29.05.2018	N 13° 46' 54.20000" E 77° 00' 22.40000", N 13° 46' 56.20000" E 77° 00' 23.00000", N 13° 46' 55.80000" E 77° 00' 24.60000", N 13° 46' 56.70000" E 77° 00' 25.70000", N 13° 46' 56.90000" E 77° 00' 27.90000", N 13° 46' 56.60000" E 77° 00' 29.40000", N 13° 46' 54.80000" E 77° 00' 30.20000".	Opencast
6	12111 80498	Colour Granite	Mylara Lingeswara	G.V.P.Naidu, S/o Tirupathaiah, D. No:1-111-A, Main Road, Bakkasampalli (V), Roddam (M), Ananthapuramu dist. Cell: 9440286666	190793/R4-1/2016, dt:27.02.2018	4.500	W	Non-Captive	DEIAA/AP/ATP/2017/6639/38, dt: 04.12.2018	-	Opencast
7	12111 80515	Colour Granite	Jagruthi Granites	Sri B.Susheel Kumar, Mg. Part: M/s Jagruthi Granites, H.No.12/339, Sai Nagar 3rd Cross, Near Obulaiah Hospital, Ananthapuramu-515001	23235/R4-1/2017, dated:28-06-2018	4.540	W	Non-Captive	DEIAA/AP/ATP/2018/677/95, dt: 14.08.2018	N 13° 46' 43.3" E 77° 00' 12.8", N 13° 46' 42.5" E 77° 00' 15.2", N 13° 46' 42.5" E 77° 00' 16.6", N 13° 46' 41.6" E 77° 00' 21.4", N 13° 46' 40.4" E 77° 00' 21.3", N 13° 46' 36.9" E 77° 00' 21.3", N 13° 46' 36.2" E 77° 00' 13.4", N 13° 46' 40.3" E 77° 00' 12.6", N 13° 46' 30.1" E 77° 00' 21.1", N 13° 46' 29.5" E 77° 00' 14.6".	Opencast
8	12111 40367	Colour Granite	M/s S. L. N. COMPANY, Mg. Part. B.N.Chikavannappa	Mg. Part: Sri B. N. Chikavannappa, D. No: 4/95, Byadiger (V), Agali (M), Ananthapuramu District	9040/R4-1/2012, Dt: 15.04.2014	4.630	W	Non-Captive	Order No:SEIAA/AP/ATP-77/2013 dt:25-10-2013 to 24-10-2033 (20 years)	N 13° 46' 04.80000" E 77° 00' 41.70000", N 13° 46' 04.80000" E 77° 00' 43.80000", N 13° 46' 02.10000" E 77° 00' 34.70000", N 13° 46' 03.30000" E 77° 00' 48.30000", N 13° 46' 04.90000" E 77° 00' 48.90000", N 13° 46' 05.00000" E 77° 00' 50.70000", N 13° 45' 01.50000" E 77° 00' 49.90000", N 13° 45' 58.80000" E 77° 00' 48.80000", N 13° 45' 59.10000" E 77° 00' 45.70000", N 13° 45' 57.90000" E 77° 00' 45.10000", N 13° 45' 57.60000" E 77° 00' 53.10000", N 13° 45' 57.70000" E 77° 00' 40.00000",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
										N 13° 45' 59.40000" E 77° 00' 40.40000", N 13° 46' 03.40000" E 77° 00' 41.70000".	
9	12111 00307	Colour Granite	A. SUBBARA YUDU	A. Subbarayudu, D.No.1-1-698,Ananthapuramu ,Anantapur Municipal Corporation,Ward No.1	26942/R4-1/2007 20 DEC 2007,18810/R 4-1/2010 21 May 2010	1.000	W	Non-Captive	DEIAA/AP/ATP/2017/8566/2 04, DT:04.06.2018	-	Opencast
10	12111 20308	Colour Granite	SMT. NOOR TAJ	W/o Late M. Shariff # 68 2nd Floor 20th Cross Near Holly Faith School Lakkasandra Bangalore-560030	9806/K2/1995 02 FEB 1995,37232/R 4-1/2009 25 Oct 2011	1.053	NW	Non-Captive	SEIAA/AP/ANT-109/201-4123, dt: 21.09.2015	-	Opencast
11	12111 90593	Road Metal & Building Stone	G.Kristappa	Sri G. Kristappa, S/o Tigulappa, K. Gundumala (V), Madakasira (M), AnanthapuramuDistirt,Andhra Pradesh State	Progs. No:226/RM/Q L/2019, Dated: 01-06-2019	2.800	NW	Non-Captive	DEIAA/AP/ATP/2018/8570/1 65, dt: 08.06.2019	N 13° 51' 28.8" E 77° 00' 47.9", N 13° 51' 25.4" E 77° 00' 47.0", N 13° 51' 23.9" E 77° 00' 45.9", N 13° 51' 24.2" E 77° 00' 44.0", N 13° 51' 21.2" E 77° 00' 42.5", N 13° 51' 22.2" E 77° 00' 40.3", N 13° 51' 28.5" E 77° 00' 43.3", N 13° 51' 29.2" E 77° 00' 44.6",	Opencast
12	25112 30019	Colour Granite	M/s Andhra Pacific Granites, Mg. Part. Sri M.Venkat esarulu	Mg. Part. Sri M.Venkatesarulu, Puretupalli Village, Gudluru Mandal, Prakasamdistrict.	Progs. No:404/D11-ATP/2019, Dated: 22.08.2023	2.319	W		SEIAA/AP/ANT/MIN/7/2021/ 3312/217.26 & 214.16, dt: 16.06.2023	N 13° 47' 02.42703" E 77° 00' 14.22592", N 13° 47' 02.52552" E 77° 00' 14.37534", N 13° 47' 01.93566" E 77° 00' 15.03870", N 13° 47' 01.84215" E 77° 00' 16.27033", N 13° 46' 59.98072" E 77° 00' 17.19710", N 13° 46' 58.50992" E 77° 00' 16.76906", N 13° 46' 58.11031" E 77° 00' 18.12706", N 13° 46' 54.01188" E 77° 00' 16.31818", N 13° 46' 56.89890" E 77° 00' 12.82542", N 13° 46' 59.43661" E 77° 00' 13.59944".	Opencast
13	12112 00600	Black Granite	A. Mahendra	S/o Sri A. Suryamani, D.No.4/658, Chintalarayunipalem, Tadipatri, Ananthapuramu District, Andhra Pradesh State	31618/R4-1/2017, dt:24.04.2019	4.980	W	Non-Captive	DEIAA/AP/ATP/2018/10609/ 127, dt: 19.02.2020	-	Opencast
14	12111	Black	B.	S/o Obelesu,	34669/R4-		NW	Non-	No	No	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	10181	Granite	SUNKAPP A	Gorvimanipalli V, Kolimigundla M, kurnool D,	1/2010, dt: 30.12.2010	1.000		Captive			
15	12110 90567	Black Granite	M/s Sama International Earth Line	S/o K. C. Ramana, D.No.8/400, Court Road, Ananthapuramu	18414/R4-1/2009, dt:19.09.2009	2.000	NW	Non-Captive	No	N 13° 50' 46.90" E 77° 58' 10.98", N 13° 50' 44.95" E 77° 58' 11.23", N 13° 50' 45.48" E 77° 58' 02.39", N 13° 50' 42.52" E 77° 58' 02.75",	Opencast
16	12112 00633	Colour Granite	Sri Manu BoluCharan Prasad	Sri Manu BoluCharan Prasad, S/o Sri S.V. Govindappa, Kecheganaahally, Pallavally Post, Pavagada Taluk, Tumkur District, Karnataka State	1064/D11-ATP/2019, Dated:26-11-2020 of the Director of Mines and Geology, Ibrahimpattana	1.700	W	Non-Captive	SEIAA/AP/ANT/MIN/07/2019 /1151, dt: 19.12.2020	N 13° 53' 33.51112" E 77° 58' 07.09946", N 13° 53' 37.35866" E 77° 58' 06.52514", N 13° 53' 38.17627" E 77° 58' 11.52051", N 13° 53' 33.88193" E 77° 58' 11.13494".	Opencast
17	12111 00068	Colour Granite	B.V. Munirathnam transfer QL from K. BABU	Sri B V Manirathnam, S/o Sri B. Venkatesh, No.1, South 1st Cross, Near Vidya peeta Circle, BSK 3rd Stage, Bangalore South, Karnataka State - 560085. D. No: 19 8th Cross 3rd Main Bakshi Garden Bangalore-56	6208/D11-ATP/2021, dt:31.03.2022) 18415/R4-1/2009 06 Aug 2010	2.000	W	Non-Captive	SEIAA/AP/ATP-63/2013-4845, dt: 25.10.2013	N 13° 53' 38.44234" E 77° 57' 59.09863", N 13° 53' 34.79522" E 77° 57' 44.98861", N 13° 53' 34.03321" E 77° 57' 42.07855", N 13° 53' 25.61084" E 77° 57' 53.02681", N 13° 53' 24.42605" E 77° 58' 02.58254", N 13° 53' 33.14812" E 77° 58' 07.37283", N 13° 53' 33.68905" E 77° 58' 12.04884", N 13° 52' 38.58214" E 77° 58' 12.04884", N 13° 53' 38.44234" E 77° 57' 58.09863", N 13° 53' 38.58214" E 77° 58' 12.04884", N 13° 53' 38.76296" E 77° 58' 02.52047", N 13° 53' 34.43245" E 77° 58' 07.48516", N 13° 53' 33.14812" E 77° 58' 07.57283", N 13° 52' 31.97281" E 77° 58' 06.98633", N 13° 53' 32.58393" E 77° 58' 06.23833", N 13° 53' 34.26153" E 77° 58' 04.19613".	Opencast
18	12111 20069	Colour Granite	Shiva Sankar QL transfer from RAJA RAJESWARI	VenugopalapuramVad dikandriga Via. ThugundramN.R.PuramS.R.Puram (M) Chittoor District	42830/R4-1/2009 07 Dec 2011	3.000	W	Non-Captive	No	N 13° 53' 38.44234" E 77° 57' 59.09863", N 13° 53' 34.79522" E 77° 57' 44.98861", N 13° 53' 34.03321" E 77° 57' 42.07855", N 13° 53' 25.61084" E 77° 57' 53.02681", N 13° 53' 24.42605" E 77° 58' 02.58254", N 13° 53' 33.14812" E 77° 58' 07.57283",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			VADDERA Coop. SOCIETY							N 13° 53' 33.68905" E 77° 58' 12.04884", N 13° 53' 38.58214" E 77° 58' 00.90385", N 13° 53' 38.44234" E 77° 57' 59.09863", N 13° 53' 34.26143" E 77° 58' 04.19601", N 13° 53' 32.48371" E 77° 57' 59.19213", N 13° 53' 37.26801" E 77° 57' 54.59733".	
19	12111 80483	Colour Granite	Sri K. Maheswar Reddy	S/o P. Chandra Reddy, Obulreddypalli (V), Thalapula (M), Anantapur District,	2862/R4-1/2016, dt: 14.12.2017	1.340	NW	Non-Captive	DEIAA/AP/ATP/2017/6647/39, dt: 04.07.2018	N 13° 53' 37.4" E 77° 58' 12.9", N 13° 53' 39.3" E 77° 58' 13.2", N 13° 53' 39.6" E 77° 58' 19.9", N 13° 53' 37.4" E 77° 58' 20.2",	Opencast
20	12111 80522	Colour Granite	Sri J.A. Chowdary	S/o J. SubbaRatudu, B-41, Hill Ridge Villas, Gachibowli, Hyd-500032	12891/R4-1/2016, dt:28.08.2018	4.350	NW	Non-Captive	DEIAA/AP/ATP/2017/6650/42, dt: 22.09.2018	N 13° 53' 47.0" E 77° 59' 26.0", N 13° 53' 52.3" E 77° 59' 23.3", N 13° 53' 40.5" E 77° 59' 22.5", N 13° 53' 38.4" E 77° 59' 24.1", N 13° 53' 33.9" E 77° 59' 17.5", N 13° 53' 34.2" E 77° 59' 10.4", N 13° 53' 38.8" E 77° 59' 15.1".	Opencast
21	12111 90585	Colour Granite	Sri Shaik Subahani	to Sri Shaik Subahani, S/o Shaik Allabakash, D.No.1-23, Kodikonda Post - 515601, Chilamathur Mandal, Ananthapuramu District, Andhra Pradesh State	12006/R4-1/2014, Dated: 21-03-2019	2.600	NW	Non-Captive	DEIAA/AP/ATP/2018/7697/118, dt: 18.10.2019	N 13° 52' 54.55" E 77° 57' 42.04", N 13° 52' 57.61" E 77° 57' 41.14", N 13° 53' 00.6" E 77° 57' 50.67", N 13° 52' 57.19" E 77° 57' 49.71",	Opencast
22	12111 90603	Colour Granite	Sri Ramesh Kumar Devasi,	S/o Thanji, D.No.91, 20 Ward, Gangamagudi Road, Bagepalli Town - 561207Chikballapur District, Karnataka State	12011/R4-1/2014, dt:24.04.2019	3.000	W	Non-Captive	DEIAA/AP/ATP/2018/7700/121, dt: 22.06.2019	N 13° 52' 55.72" E 77° 57' 32.35", N 13° 52' 57.47" E 77° 57' 41.22", N 13° 52' 54.32" E 77° 57' 42.01", N 13° 52' 52.05" E 77° 57' 33.88".	Opencast
23	Not submitted Required document	Colour Granite	Sri B.V. Srinivasa Reddy	S/o M.N. Venkata Siva Reddy, Neeragantapalli Post, Bagepalli Taluk, Chikballapur District, Karnataka State	12013/R4-1/2014, dt:24.04.2019	3.000	NW	Non-Captive	DEIAA/AP/ATP/2018/7699/120, DT:08.09.2018	-	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	s for ID creation										
24	12111 90564	Colour Granite	D. Shyam Babu Naidu	D. Shyam Babu Naidu, S/o Mallikarjuna Naidu, Kumaravarpalli Village, Chinaganapalli Post, Amadagur Mandal, Ananthapuramu District	1650/R4-1/2015, dt:08.01.2019	2.000	NW	Non-Captive	DEIAA/AP/ATP/2017/6649/41, dt: 03.01.2019	N 13° 53' 02.70000" E 77° 59' 23.00000", N 13° 53' 26.80000" E 77° 59' 22.4", N 13° 53' 32.4" E 77° 59' 25.7", N 13° 53' 27.6" E 77° 59' 28.6", N 13° 53' 23.6" E 77° 59' 25.6".	Opencast
25	12111 80469	Quartz	M/s Conecc Industries Pvt Ltd., transfer from K. Thulasamma	D.No.360/1, 15th ward, Near Old Ganesh Gas Godown, Bharathi Nagar, Amaravati, Hospet – 583201, Bellari District, Karnataka State	2250/D11-ATP/2021, dt:15.04.2021, 21253/R4-1/16, dt:22.12.17	18.000	W	Non-Captive	SEIAA/AP/ANT/MIN/05/2017/326, dt: 01.04.2018	-	Opencast
26	12120 90057	Quartz	Maharishi Meltchems Pvt. Ltd.	313/2, Ananthapuramu, Hindupur, HINDUPUR	184 24 JUL 2008, 124 09 Dec 2010	10.200	W	Non-Captive	Letter No: J-11015/335/2008-IA. II (M), dt:14.10.2016	-	Opencast
27	12120 90297	Quartz	M/s Conecc Industries Pvt Ltd., transfer from K. Sreenivasulu	D.No.360/1, 15th ward, Near Old Ganesh Gas Godown, Bharathi Nagar, Amaravati, Hospet – 583201, Bellari District, Karnataka State	2856/D11-ATP/2021, dt:15.04.2021 1 85 24 Jul 2008	6.473	NW	Non-Captive	Letter No: J-11015/333/2008-IA. II (M), dt: 09-06-2009.	N 13° 57' 04.11548" E 78° 01' 59.76812", N 13° 57' 05.47843" E 78° 02' 00.95317", N 13° 57' 04.24429" E 78° 02' 07.18479", N 13° 57' 16.79593" E 78° 02' 18.61801", N 13° 57' 07.60091" E 78° 01' 59.12091", N 13° 57' 16.86647" E 78° 02' 05.99747", N 13° 57' 14.81133" E 78° 02' 08.77937", N 13° 57' 12.41583" E 78° 02' 11.25460", N 13° 57' 04.43011" E 78° 02' 03.13434", N 13° 57' 05.47816" E 78° 02' 00.95339".	Opencast
28	Not submitted Required	Road Metal, Building Stone and	Smt B. Varalakshmi	W/o Sri A. Srihari, residing at D.No.46/1M-11A, Chanikyapauri Colony, A.Camp, Kurnool – 518	1441/QL-ATP/2020, Dated: 25-06-2022	3.200	W	Non-Captive	EC vide Order No.SEIAA/AP/ANT/MIN/08/2020/ 2090-873, dt:16.12.2020 is valid a period of 10.26 years.	N 13° 51' 05.16222" E 77° 58' 19.39494", N 13° 50' 47.18202" E 77° 58' 27.48474", N 13° 50' 51.51344" E 77° 58' 28.31014", N 13° 51' 04.71719" E 77° 58' 12.33857", N 13° 51' 04.98020" E 77° 58' 14.07753",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	documents for ID creation	M.Sand		002, Andhra Pradesh State						N 13° 51' 04.09279" E 77° 58' 15.58366", N 13° 51' 04.50228" E 77° 58' 17.26640", N 13° 51' 05.16222" E 77° 58' 19.39494", N 13° 51' 01.66638" E 77° 58' 20.69820", N 13° 50' 58.58030" E 77° 58' 13.47260".	
29	Not submitted Required documents for ID creation	Road Metal, Building Stone and M.Sand	Sri MaruruM ahaboob Basha	S/o Maruru Imam Saheb, D.No.132, 4th Cross, Venkatashamappa Layout, Chamundi Nagar, RT Nagar, Bangalore – 560 032, Karnataka State	1443/QL-ATP/2020, Dated: 25-06-2022	3.100	W	Non-Captive	EC vide Order No.SEIAA/AP/ANT/MIN/8/34 30/2021/ 174.78/171.61, dt:05.03.2022 is valid a period of 11 years	N 13° 51' 05.16222" E 77° 58' 19.39494", N 13° 50' 47.18202" E 77° 58' 27.48474", N 13° 50' 51.51344" E 77° 58' 28.31014", N 13° 50' 01.74979" E 77° 58' 04.28347", N 13° 50' 00.21232" E 77° 58' 09.95010", N 13° 49' 54.97822" E 77° 58' 07.89681", N 13° 49' 56.42501" E 77° 58' 02.08251".	Opencast
30	Not submitted Required documents for ID creation	Road Metal, Building Stone and M.Sand	Sri Sridhara Suresh Kumar	S/o Sridhara Venkata Seshiah, D.No.45/54-K64-C1, Ameena Abbas Nagar, VR Colony, Kurnool – 518 003, Andhra Pradesh State	1442/QL-ATP/2020, Dated: 25-06-2022	4.843	W	Non-Captive	SEIAA/AP/ATP/MIN/08/2020/ 2034-682, dt:03.12.2020	N 13° 51' 05.16222" E 77° 58' 19.39494", N 13° 50' 47.18202" E 77° 58' 27.48474", N 13° 50' 51.51344" E 77° 58' 28.31014", N 13° 51' 04.99991" E 77° 58' 05.14039", N 13° 51' 04.17880" E 77° 58' 08.77950", N 13° 51' 04.71719" E 77° 58' 12.33857", N 13° 50' 58.58030" E 77° 58' 13.47260", N 13° 50' 54.76377" E 77° 58' 06.50503", N 13° 50' 59.57980" E 77° 58' 06.91080".	Opencast
31	Not submitted Required documents for ID creation	Road Metal, Building Stone and M.Sand	Sri KaipaSudh akara Reddy	S/o Sri Madhava Reddy, R/o Flat No.601, Agate Block, my Home Jewel Madinaguda, Thirualagiri, Miyapur, Hyderabad	1440/QL-ATP/2020, Dated: 25-06-2022	3.390	W	Non-Captive	EC vide Order No.SEIAA/AP/ANT/MIN/09/2 020/ 2090-882, dt:17.12.2020 is valid a period of 10.26 years (71096 Cbm).	N 13° 50' 03.95130" E 77° 57' 58.74368", N 13° 50' 01.74979" E 77° 58' 04.28347", N 13° 49' 56.42501" E 77° 58' 02.08251", N 13° 49' 47.40030" E 77° 57' 56.46728".	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
32	Not submitted Required documents for ID creation	Road Metal, Building Stone and M.Sand	Sri KaipaPart hasarathi Reddy	S/o Sri R.K.Madhava Reddy, D.No.1/43/7/2/1, Shiva Priya Nagar, Atmakur, Kurnool District – 518 422, Andhra Pradesh State.	1444/QL-ATP/2020, Dated: 02-02-2023	3.360	W	Non-Captive	SEIAA/AP/ATP/MIN/08/2020/2034-682, dt:03.12.2020	N 13° 51' 05.16222" E 77° 58' 19.39494", N 13° 50' 47.18202" E 77° 58' 27.48474", N 13° 50' 51.51344" E 77° 58' 28.31014", N 13° 50' 00.21232" E 77° 58' 09.95010", N 13° 49' 57.80790" E 77° 58' 17.65120", N 13° 49' 53.51071" E 77° 58' 12.53250", N 13° 49' 54.97822" E 77° 58' 07.89681".	Opencast
33	12112 20689	Colour Granite	Sri C.P. Manjunath	S/o Sri R.G.Pillappa, D.No.125, RamasandaraHosuru, Chikballapur District, Karantaka State	7061/D11-ATP/2018, Dated:22-06-2022	3.000	W	Non-Captive	SEIAA/AP/ANT/MIN/08/2019 /1196-1490, dt:25.11.2019 is valid a period of 19.70 years	N 13° 54' 11.4" E 78° 06' 09.1", N 13° 54' 14.9" E 78° 06' 09.0", N 13° 54' 16.8" E 78° 06' 12.3", N 13° 54' 18.0" E 78° 06' 15.0", N 13° 54' 17.5" E 78° 06' 15.8", N 13° 54' 12.9" E 78° 06' 16.5".	Opencast
34	25112 30007	Black Granite	M/s Chand Basha Granites,	S/o C. Chand Basha, Proprietor of M/s Chand Basha Granites, D.No.12/41-1, Main Bazar, Tadipatri Village & Mandal Ananthapuramu District, Andhra Pradesh State.	6446/D11-ATP/2019, Dated:01.02.2023	4.000	W	Non-Captive	(SEIAA), A.P. in the name of the grantee vide Order No. SEIAA/AP/MIN/ANT/11/2020 /2359/182.4&179.3, dt: 22.06.2022 is valid a period of 20 years (for a quantity of 2995 Cbm).	N 13° 54' 10.22358" E 77° 59' 09.21629", N 13° 54' 02.24693" E 77° 59' 08.66012", N 13° 53' 57.31106" E 77° 59' 06.02854", N 13° 53' 53.52634" E 77° 59' 01.18782", N 13° 53' 48.56958" E 77° 59' 01.74237", N 13° 53' 52.39085" E 77° 59' 03.80461", N 13° 54' 00.61382" E 77° 59' 10.77801", N 13° 54' 01.62014" E 77° 59' 10.02336", N 13° 54' 06.27701" E 77° 59' 10.21903", N 13° 54' 10.49325" E 77° 59' 11.67914",	Opencast
35	12111 80501	Quartz	Lakshmi Chennakesava	1). M/s Sri Lakshmi Chennakesava Minerals, Mg. Partner:Sri G. Shashidhar Reddy, S/o Sri G. Vanaja, Havambhavi, Siruguppa Road, Bellary, Karnataka State, 2). M/s Sri Lakshmi	Transfer Proc.No.3025/TQL/Quartz/2019. DATED 9th September, 2021, 2097/GQL/Qtz/2016, dt:07.04.2018	9.840	NW	Non-Captive	SEIAA/AP ANT MIN 07 2017 369, dt:23.09.2017 (20 years) 07.04.2018 to 22.09.2037	-	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
				Chennakesava Minerals, Mg. Partner: G. Vishnuvardhan Reddy, S/o Sri G. Vanaja, Havambhavi, Siruguppa Road, Bellary, Karnataka State. (Harkrishna Reddy Flot No: 202, Srinagar Colony, Sri Paradise, Anantapur,)							
36	12111 70450	Colour Granite	Sri S. Naraya Swamy	Bramhanapalli Thanda, Puttaparthi M, Ananthapuramu District	123245/R4-1/2012, dt:25.04.17	9.480	W	Non-Captive	SEIAA/AP/ANT/MIN/9/2016/207, dt: 23.06.2017	-	Opencast
37	12111 70487	Colour Granite	Vasundhara Granites	6-2-218, Ananthapuramu, Anantapur Municipal Corporation, Ward No.6	13541/R4-1/2017, dt:13.12.2017	9.300	W	Non-Captive	SEIAA/AP/MIN/08/2017/390, dt: 13.04.2018	N 14° 15' 18.4" E 77° 56' 44.0", N 14° 15' 17.2" E 77° 56' 33.9", N 14° 15' 20.2" E 77° 56' 33.9", N 14° 15' 22.9" E 77° 56' 39.09", N 14° 15' 29.6" E 77° 56' 37.6", N 14° 15' 28.8" E 77° 56' 42.9", N 14° 15' 23.4" E 77° 56' 43.9", N 14° 15' 21.1" E 77° 56' 46.8", N 14° 15' 24.4" E 77° 56' 49.0", N 14° 15' 24.0" E 77° 56' 51.7", N 14° 15' 20.0" E 77° 56' 51.3", .	Opencast
38	12110 60198	Black Granite	THULASEE ENTERPRISES	3-223, Ananthapuramu, Chennakothapalle, CHENNEKOTHAPALLE	12825/R4-1/2006 06 Jun 2006	1.000	W	Non-Captive	SEIAA/AP/ANT-198/2015, dt: 27.11.2015	N 14° 14' 45.02" E 77° 40' 56.70"	Opencast
39	12111 50393	Black Granite	M/s SRI RANGA GRANITES	9-104-4, Kurnool, Dhona, DHONE	34555/R4-1/2011 22 Apr 2015	2.000	NW	Non-Captive	SEIAA/AP/ANT/115/2014-1956, DT:04.03.2015	N 14° 14' 05.5" E 77° 33' 00.1", N 14° 14' 06.8" E 77° 32' 59.6", N 14° 14' 00.5" E 77° 32' 49.6", N 14° 13' 58.7" E 77° 32' 50.5".	Opencast
40	12111 60429	Colour Granite	C. Shiva Pradeep Reddy Successor	5-48-10-A, Y.S.R. Cuddapah, CHINNACHOWK (U)	17006/R4-1/2015 17 Apr 2016	5.000	W	Non-Captive	SEIAA/AP/ANT-200/2015, dt: 13.06.2016	N 14° 16' 20.3" E 77° 50' 19.0", N 14° 16' 25.2" E 77° 50' 20.9", N 14° 16' 22.3" E 77° 50' 28.9", N 14° 16' 20.5" E 77° 50' 29.8", N 14° 16' 16.3" E 77° 50' 27.6"	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			of Smt. C.Narayanna								
41	1211200625	Colour Granite	C. Shiva Pradeep Reddy	5-48-10-A,Y.S.R.,Cuddapah,CHINNACH OWK (U)	4525/D11-ATP/2019, dt:05.10.2020	2.470	W	Non-Captive	SEIAA/AP/ANT/MIN/12//2019/1553, dt: 23.11.2020	N 14° 16' 13.32" E 77° 50' 27.15", N 14° 16' 10.33" E 77° 50' 25.46", N 14° 16' 19.21" E 77° 50' 21.61", N 14° 16' 19.21" E 77° 50' 21.61", N 14° 16' 19.65" E 77° 50' 20.04", N 14° 16' 18.01" E 77° 50' 17.97", N 14° 16' 13.51" E 77° 50' 25.46", N 14° 16' 15.95" E 77° 50' 28.14", N 14° 16' 10.32" E 77° 50' 25.46",	Opencast
42	1211140080	Colour Granite	NANJE GOWDA	D.No: 81 Mudurki Devanahalli Bangalore Rural-562110	4003/R4-1/2012 15 Jul 2013	2.300	NW	Non-Captive	SEIAA/AP/ANT-38/2013-821, dt: 20.08.2014	N 14° 16' 12.48400" E 77° 50' 02.81654", N 14° 16' 09.00957" E 77° 50' 08.29679", N 14° 16' 12.30006" E 77° 50' 10.46817", N 14° 16' 15.66314" E 77° 50' 04.92686".	Opencast
43	1212040079	Quartz	G. M. NAGARAJU	S/o Late LekkalaMuthyalappaRayacherluThirumaniG. PanchayatPavagadaTq. TUMKUR District, Karnataka State.	G.O.M.No:53 04 Mar 2004	4.800	W	Non-Captive	SEIAA/AP/ANT/MIN/01/2022/3900/179.02/177.02, dt:23.03.2022 (20 years)	N 14° 14' 35.09" E 77° 30' 41.66", N 14° 14' 34.81" E 77° 30' 35.86", N 14° 14' 42.59" E 77° 30' 33.01", N 14° 14' 44.63" E 77° 30' 38.88".	Opencast
44	CFO not submitted	Road Metal, Building Stone, Gravel & M.Sand	M/s Srinivasa Blue Metals, Mg. Part. Pavan Kumar Bolla	D. No. 3-11, Ellutla Village, Putluru Mandal, Ananthapuramu District.	1707/QL/RM-ATP/2020, Dt: 17.06.2023	4.500	W	Non-Captive	SEIAA/AP/ANT/MIN/10/2020/2228/155.04 & 150.31-124, dt: 14.06.2021 (20 years)	N 14° 22' 21.91571" E 77° 40' 58.34832", N 14° 22' 19.94912" E 77° 41' 01.00911", N 14° 22' 22.98493" E 77° 40' 58.74633", N 14° 22' 11.32403" E 77° 40' 36.58231", N 14° 22' 13.73904" E 77° 40' 41.02902", N 14° 22' 17.61718" E 77° 40' 43.74454", N 14° 22' 13.42652" E 77° 40' 46.85082", N 14° 22' 16.00574" E 77° 40' 49.00034", N 14° 22' 22.01362" E 77° 40' 51.93932", N 14° 22' 20.50598" E 77° 40' 52.44731", N 14° 22' 11.34581" E 77° 40' 48.15571", N 14° 22' 10.85945" E 77° 40' 46.08693",	Opencast
45	1211150380	Colour Granite	Sri K. C. MURUGESH	MURUGESH,S/o K. C. Chinnappa D. No: 149 Subhash Nagar Vidya Nagar Cross	49561/R3-1/2011 14 May 2015	1.000	NW	Non-Captive	Yes	N 13° 54' 21.3" E 77° 45' 01.7", N 13° 54' 23.7" E 77° 45' 02.1", N 13° 54' 23.5" E 77° 45' 06.8", N 13° 54' 21.3" E 77° 45' 06.3",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
				Bettalasoor Post Bangalore North-562157							
46	12111 50381	Colour Granite	Sri K. C. MURUGESH	S/o K. C. Chinnappa D. No: 149 Subhash Nagar Vidya Nagar Cross Bettalasoor Post Bangalore North-562157	5418/R3-1/2012 13 May 2015	2.000	NW	Non-Captive	SEIAA/AP/ANT-90/2014-1024, dt:08.01.2015	N 13° 54' 10.2" E 77° 45' 00.8", N 13° 54' 21.3" E 77° 45' 01.7", N 13° 54' 21.2" E 77° 45' 05.6", N 13° 54' 15.9" E 77° 45' 05.5",	Opencast
47	12111 90611	Colour Granite	Sri Devendra Swamy	S/o Late Sri K. Venkatasoamaiah, D.No.2147, Sri Vinayaka Nilaya, Dinnehosahally, 2nd Cross, Chikaballapur, Karnataka state	16963/R4-1/2017, dt:10.05.2019	1.780	NW	Non-Captive	DEIAA/AP/ATP/2018/23887/172, dt: 07.03.2019	N 13° 53' 28.1" E 77° 45' 10.5", N 13° 53' 28.0" E 77° 45' 11.5", N 13° 53' 20.7" E 77° 45' 16.1", N 13° 53' 21.2" E 77° 45' 11.4".	Opencast
48	12110 90260	Colour Granite	M. S. SIVANANDA KUMAR	M. S. Shivananda Kumar, S/o Sri Shanmugam J.K.Puram Srinivasa Sandra Post KGF-563121	20569/R4-1/2008 03 Mar 2009	1.000	NW	Non-Captive	No	N 13° 53' 41.08" E 77° 45' 20.52", N 13° 53' 41.17" E 77° 45' 22.45", N 13° 53' 34.67" E 77° 45' 22.80", N 13° 53' 34.51" E 77° 45' 21.48".	Opencast
49	12111 70465	Colour Granite	Sri S. Khasim	Sri S. Khasim, S/o Shaik Fakruddin, D.No:1-24, Main Road, Urdu School Front, Kodikonda (P&V), Chilamathur (M), Ananthapuramu District.	8811/R4-1/14, dt:16.11.2017	2.000	NW	Non-Captive	MC4/1550/2017, dt: 15.12.2017	-	Opencast
50	12110 40065	Colour Granite	NAWAZ KHAN	D. No: 66 3rd Cross Kousar Nagar R.T.Nagar Post Bangalore-560032	34930/R4-3/2003 06 MAY 2004, 32598/R4-1/2005 31 Oct 2005	1.000	NW	Non-Captive	No	N 13° 50' 43.4" E 77° 46' 41.2", N 13° 50' 43.0" E 77° 46' 46.0", N 13° 50' 40.4" E 77° 46' 45.9", N 13° 50' 41.5" E 77° 46' 41.2",	Opencast
51	12111 90577	Road Metal & Building	V. Venkatesh	V. Venkatesh, Sri S/o V. Gamga[a, h.No.4-34, Gadrallapalli V,	3161/Q3/2017, Dt:20.02.2019	1.670	W	Non-Captive	DEIAA/AP/ATP/2018/2686/143, dt: 20.05.2019	N 13° 48' 10.7" E 77° 38' 28.6", N 13° 48' 09.9" E 77° 38' 32.5", N 13° 48' 05.5" E 77° 38' 32.4", N 13° 48' 05.8" E 77° 38'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
		Stone		Chilamathur M, HindupurTq, Ananthauramu District, 9490972020.						28.7",	
52	12112 20673	Colour Granite	S. Henalatha	Smt S. Hemalatha, W/o C R Swamy, residing at D.No.163, 2nd floor, Ananda Nilaya, 8th Cross, Malleswaram, Bangalore – 560003, Karnataka State	5658/GQL/CG /2018. DATED 21st May, 2022	1.591	W	Non-Captive	SEIAA/AP/ANT/MIN/10/2020 /2276/168.16/165.20, DT:22.11.2021	N 13° 54' 36.93" E 77° 45' 02.02", N 13° 54' 35.84" E 77° 45' 01.48", N 13° 54' 35.32" E 77° 44' 58.16", N 13° 54' 36.43" E 77° 44' 58.51", N 13° 54' 37.55" E 77° 44' 57.56", N 13° 54' 37.50" E 77° 44' 57.37", N 13° 54' 37.82" E 77° 44' 57.14", N 13° 54' 39.74" E 77° 44' 56.84", N 13° 54' 40.20" E 77° 44' 59.65", N 13° 54' 39.66" E 77° 45' 00.76", N 13° 54' 37.04" E 77° 45' 02.00",	Opencast
53	25112 20006	Road Metal	Sri SagiliYaswanth Reddy	Sri SagiliYaswanth Reddy, S/o Sri S.R. Sreedhar Reddy residing at H.No.4-8-209, Chavva Sudhakar Colony, By Pass Road, Pulivendula, Kadapa District – 516 390, Andhra Pradesh State	2336/QL/RM &M.Sand/2020, dt:04.06.2022	2.450	W	Non-Captive	No.SEIAA/AP/ANT/MIN/03/2021/ 2971/164.57&161.48-692, dt:09.09.2021 is valid a period of 16.78 years.	N 13° 53' 35.24856" E 77° 45' 27.34648", N 13° 53' 36.22501" E 77° 45' 27.24824", N 13° 53' 36.99078" E 77° 45' 29.38557", N 13° 53' 37.53124" E 77° 45' 30.89438", N 13° 53' 38.22914" E 77° 45' 30.48421", N 13° 53' 38.94147" E 77° 45' 31.04098", N 13° 53' 41.84457" E 77° 45' 33.94538", N 13° 53' 34.10014" E 77° 45' 34.27801",	Opencast
54	12112 20699	Road Metal	M/s M.S. Enterprises,	S/o Late Sri A. Tailor Madar Sab, D.No.13-75, Old Peta, Pattikonda Village & Mandal, Kurnool District, Andhra Pradesh State.	3075/QL-ATP/2020, Dated:11-03-2022	4.995	W	Non-Captive	No.SEIAA/AP/ANT/MIN/8/2021/ 3379/171.65/168.63, dt:25.01.2022 valid a period of 11.44years.	N 13° 52' 56.21" E 77° 45' 17.77", N 13° 52' 58.35" E 77° 45' 16.98", N 13° 52' 58.93" E 77° 45' 19.96", N 13° 52' 57.50" E 77° 45' 20.04", N 13° 52' 56.56" E 77° 45' 20.22", N 13° 52' 57.03" E 77° 45' 21.49", N 13° 52' 56.26" E 77° 45' 22.47", N 13° 52' 56.35" E 77° 45' 24.10", N 13° 52' 57.29" E 77° 45' 24.03", N 13° 52' 58.01" E 77° 45' 23.72", N 13° 52' 59.59" E 77° 45' 23.40", N 13° 52' 59.74" E 77° 45' 24.21", N 13° 52' 51.43" E 77° 45' 25.94", N 13° 52' 51.61" E 77° 45' 25.19", N 13° 52' 50.65" E 77° 45' 25.48", N 13° 52' 49.05" E 77° 45' 19.72",	Opencast
55	12112	Road	Sri Y. Jatti	Sri Y. Jatti Hussain, S/o	176/RM/QL/2		NW	Non-	DEIAA/AP/ANT/2018/19794/	N 13° 49' 15.00904" E 77° 47' 13.50892",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	10644	Metal & Building Stone	Hussain	Sri JattiGurappa, D.No.2-39, Yakkuru Village, Gospadu Mandal, Ananthapuramu District, Andhra Pradesh State	019, Dated: 10.06.2020	3.156		Captive	167,DT: 22.12.2018 - 41,601 CBM PER YEAR	N 13° 49' 20.68993" E 77° 47' 09.64105", N 13° 49' 19.74361" E 77° 47' 08.20257", N 13° 49' 16.78191" E 77° 47' 09.54335", N 13° 49' 14.99272" E 77° 47' 05.52224", N 13° 49' 11.68552" E 77° 47' 05.42174",	
56	12112 10635	Road Metal & Building Stone	SRC Infra Developer s private limited	D.No.7-272, Kakatheeya Residency, Court Road, Ananthapuramu	3572/QL/ATP/2020, dt:26.02.2021	24.900	W	Non-Captive	SEIAA/AP/ANT/MIN/06/2019 /1017, dt: 03.12.2021	N 13° 48' 11.25" E 77° 39' 48.67", N 13° 48' 21.60" E 77° 39' 47.40", N 13° 48' 38.96" E 77° 39' 45.43", N 13° 48' 40.33" E 77° 39' 45.70", N 13° 48' 44.10" E 77° 39' 46.58", N 13° 48' 46.34" E 77° 39' 37.84", N 13° 48' 37.39" E 77° 39' 39.06", N 13° 48' 36.69" E 77° 39' 31.95", N 13° 48' 29.84" E 77° 39' 33.77", N 13° 48' 27.15" E 77° 39' 41.00", N 13° 48' 19.86" E 77° 39' 41.88", N 13° 48' 11.84" E 77° 39' 42.72", N 13° 48' 11.62" E 77° 39' 47.14",	Opencast
57	12111 60416	Road Metal & Building Stone	M/s Star Mines and Minerals, Mg.Part. Sri N. Lakshmi Narasimha Reddy Transferred from Sri V.S.Rajesh Kumar	D.No. 15/94/10, Sai Nagar, Madalasira, Sri Sathya Sai District	1655/Q3/2016, dt:29.06.2016 & 1010/TQL/RM /2021, Dt: 03.05.2021	6.000	W	Non-Captive		N 13° 46' 20.24" E 77° 41' 44.10", N 13° 46' 13.56" E 77° 41' 42.77", N 13° 46' 09.48" E 77° 41' 36.01", N 13° 46' 20.66" E 77° 41' 36.16",	Opencast
58	12111 40192	Black Granite	K. NAGABHU SHANA	1-1830, Ananthapuramu, Mudigubba, MARTHADU	6343/R4-1/12, dt:25.01.2014.	4.500	W	Non-Captive	Order No. SEIAA/AP/ATP-47/2013, Dt:30-07-2013 valid upto 29-07-2033	N 14° 09' 23.91" E 78° 11' 50.58", N 14° 09' 25.28" E 78° 11' 51.80", N 14° 09' 13.12" E 78° 11' 08.21", N 14° 09' 09.85" E 78° 11' 11.36", N 14° 09' 08.42" E 78° 11' 10.02", N 14° 09' 11.57" E 78° 11' 06.70",	Opencast
59	12111	Black	K.	D. No: 1/1830 Opp.	4000/R3-		w	Non-	Order NO. SEIAA/AP/ATR-	N 14° 05' 37.6" E 78° 15' 25.6", N 14° 05'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	60417	Granite	NAGABHU SHANA	Indian Gas Mudigubba (M) Ananthapuramu District	1/2013 28 Feb 2015	4.000		Captive	46/2013 dt.30-07-2013 to	40.1" E 78° 15' 28.7", N 14° 05' 32.6" E 78° 15' 36.8", N 14° 05' 30.3" E 78° 15' 33.6",	
60	12111 90589	Colour Granite	Sri P.N. Shivanna,	S/o Sri Late Nanjudappa, Paipalya Village, Julapalya Post, Bagepalli Taluk, Chikballapur District, Karnataka State	Progs. No:5180/R4-1/2018, Dated: 10-05-2019	4.943	NW	Non-Captive	DEIAA/AP/ATP/2018/23891/162, dt: 07.08.2019	N 14° 01' 25.3" E 78° 17' 00.7", N 14° 01' 32.7" E 78° 17' 07.2", N 14° 01' 30.3" E 78° 17' 12.6", N 14° 01' 24.7" E 78° 17' 09.6".	Opencast
61	12111 90588	Colour Granite	M/s Shiva Ram Raj Citizens,	Partner of Sri V.K. Nagendra, S/o Sri Krishnappa, Vadrappalyam Village, Paragode Post, Bagepalli Taluk, Chikballapur District, Karnataka	5181/R4-1/2018, Dated: 10-05-2019	4.169	NW	Non-Captive	DEIAA/AP/ATP/2018/23890/161, dt: 07.08.2019	N 14° 01' 28.5" E 78° 16' 55.7", N 14° 01' 32.6" E 78° 16' 57.7", N 14° 01' 30.4" E 78° 17' 01.5", N 14° 01' 32.9" E 78° 17' 03.0", N 14° 01' 32.7" E 78° 17' 07.2", N 14° 01' 25.3" E 78° 17' 00.7", N 14° 01' 25.2" E 78° 16' 59.3".	Opencast
62	12121 20097	Quartz	S. M. HUSSAIN AHMED	3-3-12, Ananthapuramu, Hindupur, HINDUPUR	35 01 Feb 2012	4.813	W	Non-Captive	SEIAA/AP/ATP-66/2013 Dt:25.10.2013	-	Opencast
63	12112 20686	Quartz	M/s Varasiddi Vinayaka Minerals, (TQL from M/s Shivanandhi Minerals)	S/o. Papi Reddy, #6-3-197, Flat No.203, Comfort Opel Apartments, Ram Nagar, Anantapuramu Town & District, Andhra Pradesh State. (Transferor addres), W/o K. Vannur Swamy, D.No.4/39, E.ChinnappaShasti House, 1st Road, Near Raghavendra Swamy Temple, Ananthapuramu, Andhra Pradesh State-515001)	92/D11-ATP/2023, Dated:15-02-2023 (original Grant order - 8620/D11-ATP/2020, Dated: 22-06-2022)	4.450	W	Non-Captive	.SEIAA/AP/ANT/MIN/01/2022 /3931/ 180.11/178.09, dt:25.03.2022 is valid a period of 20 years	N 14° 02' 57.71044" E 78° 19' 22.55395", N 14° 02' 56.57359" E 78° 19' 21.14466", N 14° 02' 59.59622" E 78° 19' 17.98161", N 14° 02' 58.55913" E 78° 19' 16.56745", N 14° 03' 06.52547" E 78° 19' 10.06114", N 14° 03' 08.80365" E 78° 19' 12.93303",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
64	2511230008	White Quartz	M/s IQRA Enterprises,	S/o N. Subahan, D.No.3-350-A, Kummaravandlapalli Village, Kadiri Mandal, Ananthapuramu District, Andhra Pradesh State.	7705/D11-ATP/2018, Dated:31-01-2023	3.795	W	Non-Captive	SEIAA/AP/ANT/MIN/09/2021 / 3484/175.09/172.7, dt:08.03.2022	N 14° 02' 43.37721" E 78° 14' 46.55314", N 14° 02' 42.73807" E 78° 14' 45.01468", N 14° 02' 42.83386" E 78° 14' 44.62724", N 14° 02' 43.31651" E 78° 14' 44.55528", N 14° 02' 45.44133" E 78° 14' 43.19884", N 14° 02' 46.61658" E 78° 14' 41.88059", N 14° 02' 47.12985" E 78° 14' 41.75933", N 14° 02' 48.53373" E 78° 14' 40.38128", N 14° 02' 49.09338" E 78° 14' 38.17643", N 14° 02' 50.39995" E 78° 14' 36.70008", N 14° 02' 51.34554" E 78° 14' 35.96318", N 14° 02' 53.06824" E 78° 14' 34.99720", N 14° 02' 54.19988" E 78° 14' 34.10013", N 14° 02' 55.98737" E 78° 14' 34.15672", N 14° 02' 56.94580" E 78° 14' 35.06716", N 14° 02' 47.55919" E 78° 14' 43.89980", N 14° 02' 45.72062" E 78° 14' 44.58786", N 14° 02' 44.76714" E 78° 14' 46.15335"	Opencast
65	Not submitted Required documents for ID creation	Road Metal, Building Stone and M.Sand	M/s Prince Mins and Minerals, Prop. A.Ateeq Ahamed	M/s Prince Mines and Minerals, Prop: Sri A.Ateeq Ahamed, S/o Chand Basha, D. No. 11-300-A, Kadiri Town & Mandal, Sri Sathya Sai District - 515 591, Andhra Pradesh	755/QL/RM/2019, dt:26.04.2023	8.499	W	Non-Captive	SEIAA/AP/ANT/MIN/07/2021 /340/212.02 & 209.02, dt:07.03.2023	N 14° 08' 32.23584" E 78° 11' 24.16463", N 14° 08' 30.40695" E 78° 11' 29.13151", N 14° 08' 35.53801" E 78° 11' 37.31532", N 14° 08' 34.07641" E 78° 11' 43.14262", N 14° 08' 27.65401" E 78° 11' 34.67761", N 14° 08' 27.80522" E 78° 11' 34.03512", N 14° 08' 20.16242" E 78° 11' 34.12891", N 14° 08' 21.44041" E 78° 11' 27.12471", N 14° 08' 29.12282" E 78° 11' 28.83862",	Opencast
66	Not submitted Required documents for ID	White Quartz	Sri E.Anjaneyulu	Sri E.Anjaneyulu, S/o Late Sri e.subbaiah, D. No. 2-279-B, 3rd Road, New Town, Ananthapuramu District.	755/D11-ATP/2019, dt:12.09.2023	2.000	W	Non-Captive	SEIAA/AP/ANT/MIN/10/2020 /2296/195.43 & 192.30, dt:08.09.2022	-	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	creation										
67	12111 30210	Black Granite	M. GOWRI	D. No: 45/2 2nd Cross Subbannachari Galli Cottonpet Bangalore	52931/R4-1/2010 29 Nov 2012	2.000	NW	Non-Captive	SEIAA/AP/ATP-44/2013-2379, DT:10.07.2013	-	Opencast
68	12111 00088	Colour Granite	SAMA CONSTRUCTIONS	8/400,Ananthapuramu ,Anantapur Municipal Corporation,Ward No.8	3171/R4-1/2010 02 Feb 2010	2.000	W	Non-Captive	Order No.SEIAA/AP/ATP-53/2013 3956 dt.03-10-2013 to 16-03-2030	-	Opencast
69	12111 30319	Colour Granite	SAMA CONSTRUCTIONS	8/400,Ananthapuramu ,Anantapur Municipal Corporation,Ward No.8	43541/R4-1/2010 27 Nov 2012	3.000	NW	Non-Captive	Order No.SEIAA/AP/ATP-40/2013-1563 dt.10-06-2013 to 14-04-2033 (20 YEARS)	-	Opencast
70	12111 00317	Colour Granite	P. NATARAJAN	# 23(34) D-Main Road M-Block P.G.Halli North Range Bangalore-560003	9591/R4-1/2010 04 Sep 2010	1.710	NW	Non-Captive	No	-	Opencast
71	12112 10658	Colour Granite	Roshan Mustufa Bohra Transferred from Smt M. Anitha,	Sri Roshan Mustufa Bohra, S/o Sri M.Abbas Ali Bohra, H.No. 1109/3-2, 47 th Cross, 5 th Block, Jayanagar, Bangalore South, Bangalore – 560 041, Karnataka State.	16915/D11-ATP/2017, Dated:28-07-2021 Transferred 5039/D11-ATP/2023, dt: 17.04.2023	1.000	W	Non-Captive	SEIAA/AP/ANT/MIN/05/2019 /989-7, dt: 17.09.2021	N 14° 02' 48.40064" E 77° 48' 16.95054", N 14° 02' 50.34983" E 78° 48' 17.11148", N 14° 02' 49.94167" E 78° 48' 22.64278", N 14° 02' 47.99745" E 78° 48' 22.48882",	Opencast
72	12111 30271	Road Metal & Building Stone	Sree Lakshmi Ganapti Minerals	Mg.Pt: Sri P. Mahadeva Reddy, F.No.304, Fantasy Apartment, Ram Nagar, Ananthapuramu	1672/Q4/2012, dt:23.11.2012	23.238	NW	Non-Captive	No	N 13° 54' 28.66862" E 77° 41' 17.10328", N 13° 54' 25.42673" E 77° 41' 22.92073", N 13° 54' 24.42213" E 77° 41' 27.13263", N 13° 54' 21.69793" E 77° 41' 20.61123", N 13° 54' 18.81223" E 77° 41' 34.75243", N 13° 54' 18.74053" E 77° 41' 36.04973", N 13° 54' 43.79763" E 77° 41' 31.84323", N 13° 54' 43.34843" E 77° 41' 29.99213", N 13° 54' 38.47553" E 77° 41' 31.31073", N 13° 54' 38.28493" E 77° 41' 29.67793", N 13° 54' 42.99353" E 77° 41' 28.37463", N 13° 54' 42.85103" E 77° 41' 27.72513",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
										N 13° 54' 41.77743" E 77° 41' 27.94913", N 13° 54' 40.00393" E 77° 41' 26.06503", N 13° 54' 38.37653" E 77° 41' 22.67763", N 13° 54' 38.87423" E 77° 41' 20.74643", N 13° 54' 33.95933" E 77° 41' 20.74493".	
73	12111 00113	Road Metal & Building Stone	G V P Naidu	Prop: M/s Kakathiya Metal Crusher S/o ThirupathiahAllwyn Colony PenukondaAnanthapuram District	865/QL/2007 28 Mar 2008	0.750	NW	Non-Captive	No	-	Opencast
74	12111 80550	Road Metal & Building Stone	M/S. Squadm Mines & Mineral Pvt Ltd, Mg. Director: Sri M. Praveen Kumar	M/S. Squadm Mines & Mineral Pvt Ltd, Mg. Director: Sri M. Praveen Kumar, S/O. M.N. Mallikarjunaiah, No.12/5, First Floor, 1 st Cross, Central Excise Layout, Vijaya Nagar, Bangalore North -560 040, Karnataka State	2237/Q3/2017, dt:10.07.2018	10.000	W	Non-Captive	SEIAA/AP/ANT/MIN/02/2018 /501-137, dt: 19.04.2018	N 13° 56' 45.9" E 77° 50' 33.5", N 13° 56' 45.4" E 77° 50' 35.2", N 13° 56' 43.4" E 77° 50' 35.4", N 13° 56' 43.4" E 77° 50' 33.3", N 13° 56' 40.4" E 77° 50' 34.2", N 13° 56' 34.4" E 77° 50' 35.3", N 13° 56' 35.4" E 77° 50' 26.0", N 13° 56' 41.8" E 77° 50' 24.5", N 13° 56' 42.9" E 77° 50' 24.0", N 13° 56' 46.1" E 77° 50' 24.0", N 13° 56' 45.2" E 77° 50' 30.5", N 13° 56' 46.7" E 77° 50' 30.8", N 13° 56' 46.1" E 77° 50' 28.4".	Opencast
75	12111 80551	Road Metal & Building Stone	M/S. Squadm Mines & Mineral Pvt Ltd,	, S/O. M.N. Mallikarjunaiah, No.12/5, First Floor, 1 st Cross, Central Excise Layout, Vijaya Nagar, Bangalore North -560 040, Karnataka State	2238/Q3/2017, dt:10.07.2018	4.430	W	Non-Captive	SEIAA/AP/ANT/MIN/02/2018 /502, dt: 19.04.2018	N 13° 56' 35.4" E 77° 50' 25.9", N 13° 56' 34.5" E 77° 50' 34.4", N 13° 56' 30.3" E 77° 50' 33.8", N 13° 56' 27.9" E 77° 50' 33.4", N 13° 56' 31.4" E 77° 50' 32.4", N 13° 56' 30.3" E 77° 50' 29.9", N 13° 56' 27.3" E 77° 50' 29.3", N 13° 56' 26.0" E 77° 50' 27.1", N 13° 56' 28.5" E 77° 50' 28.6", N 13° 56' 30.2" E 77° 50' 24.8", N 13° 56' 30.9" E 77° 50' 24.6", N 13° 56' 30.7" E 77° 50' 25.9", N 13° 56' 32.5" E 77° 50' 25.8".	Opencast
76	12110 80291	Road Metal & Building Stone	M/s Sree Raksha Constructions	H.No: 1/150 N.M.Nambiar Street Udayajin Layout Kudligi BELLARY	1635/Q4/2012 04 Jul 2012	1.000	NW	Non-Captive	No	N 13° 54' 45.0" E 77° 41' 28.1", N 13° 54' 41.2" E 77° 41' 29.7", N 13° 54' 38.8" E 77° 41' 30.9", N 13° 54' 38.6" E 77° 41' 29.3",	Opencast
77	12111	Road	OXIMS	No.21, Swaraj,	3954/Q4/201		W	Non-	Yes	N 13° 54' 54.1" E 77° 41' 33.2", N 13° 54'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	30293	Metal & Building Stone	Finance Sands LLP transferred from Y.R.S.Prasad Reddy	Building, MES Road, Mutyalanagar Ring Road, Bangalore-56004.	2 21 Jan 2013	4.000		Captive		54.1" E 77° 41' 38.1", N 13° 54' 54.8" E 77° 41' 39.8", N 13° 54' 54.3" E 77° 41' 34.2".	
78	12112 20696	Black Granite	Smt. Patibandla Srilatha	W/o Patibandla Ravindra, D.No.5-52, Venkatarajupalem Village, Maddipadu Mandal, Prakasam District, Andhra Pradesh State.	9967/D11-ATP/2021, Dated:24-08-2022	1.500	W	Non-Captive	SEIAA/AP/MIN/ANT/05/2022 /4237/190.18 & 187.14, dt:009.07.2022	N 14° 03' 31.79706" E 77° 48' 28.92601", N 14° 03' 32.19513" E 77° 48' 22.40949", N 14° 03' 34.26241" E 77° 48' 22.85071", N 14° 03' 35.29081" E 77° 48' 28.00677",	Opencast
79	25112 30016	Colour Granite	Sri B.M. Channa Reddy	S/o M. Muniswamy Reddy, D.No.48, SreeChannakeshava, 2nd Main, 3rd Cross, Krishnappa Layout, RMV 2nd Stage, Bangalore, Karnataka State – 560094	16916/D11-ATP/2017, dt:31-01-223	1.500	W	Non-Captive	SEIAA/AP/ANT/MIN/3/2021/2987/164.70/161.70/705, dt: 14.09.2021	N 14° 02' 44.4" E 77° 48' 20.6", N 14° 02' 44.0" E 78° 48' 26.9", N 14° 02' 46.5" E 77° 48' 27.1", N 14° 02' 47.0" E 77° 48' 20.8",	Opencast
80	12111 70444	Black Granite	R.R.Associates	NagireddyPalli (V), Rayadurgam (M), Ananthapuram District	47198/R-1/2011, dt:03.03.17	3.000	W	Non-Captive	SEIAA/AP/ATP/68/2013-5552, DT:25.10.2013	N 13° 56' 11.7" E 77° 02' 27.6", N 13° 56' 05.3" E 77° 02' 26.8", N 13° 56' 06.3" E 77° 02' 21.7", N 13° 56' 12.7" E 77° 02' 22.8",	Opencast
81	12111 90563	Colour Granite	Smt.R.Maheshwari w/o Sri M. Gandhi Dass,	Sri M. Gandhi Dass, S/o. Munuswamy, D.No:1/8, Moongilmaduvu (P), Pennagaram (Taluk), Dharmapuri (Dist), TamilNadu-636810	20132/R4-1/2016, Dated:04-01-2019	4.900	W	Non-Captive	DEIAA/AP/ATP/2018/7691/146, dt: 22.02.2019	N 13° 58' 04.2" E 77° 08' 07.3", N 13° 58' 05.7" E 77° 08' 10.4", N 13° 58' 05.6" E 77° 08' 13.4", N 13° 57' 56.3" E 77° 08' 15.5", N 13° 57' 57.2" E 77° 08' 14.7", N 13° 57' 55.3" E 77° 08' 11.7",	Opencast
82	12111 90561	Colour Granite	Sri M. Manjunath	SSri M. Manjunath, S/o Murugan, D.No.5/61A, SigaralaHalli (V), Ajjanahalli (P), Pennagaram (T),	20133/R4-1/2016, Dated:04-01-2019	4.790	W	Non-Captive	DEIAA/AP/ATP/2018/7692/147, dt: 22.02.2019	N 13° 58' 01.9" E 77° 08' 01.6", N 13° 58' 04.2" E 77° 08' 07.3", N 13° 57' 55.3" E 77° 08' 11.7", N 13° 57' 55.4" E 77° 08' 05.3",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
				Dharmapuri (Dist), TamilNadu State - 636810.							
83	12111 90562	Colour Granite	Sri M. Manjunath	SSri M. Manjunath, S/o Murugan, D.No.5/61A, Sigaralahalli (V), Ajjanahalli (P), Pennagaram (T), Dharmapuri (Dist), TamilNadu State - 636810.	20134/R4-1/2016, Dated:04-01-2019	4.940	W	Non-Captive	DEIAA/AP/ATP/2018/7690/145, dt: 22.02.2019	N 13° 58' 05.6" E 77° 08' 13.4", N 13° 57' 56.2" E 77° 08' 15.4", N 13° 58' 04.7" E 77° 08' 22.0", N 13° 58' 03.6" E 77° 08' 22.5", N 13° 58' 05.7" E 77° 08' 19.6", N 13° 58' 01.6" E 77° 08' 21.9",	Opencast
84	12111 90594	Colour Granite	Sri P. Raghuramulu,	S/o Sri Yellappa, D.No.5-53, Kyampuram Village, Haresamudram Post, Madakasira Mandal, Ananthapuramu District, Andhra Pradesh State	5073/R4-1/2017, Dated:03-05-2019	1.760	W	Non-Captive	DEIAA/AP/ATP/2018/23883/169, dt: 29.06.2019	N 14° 00' 35.5" E 77° 10' 42.7", N 14° 00' 36.4" E 77° 10' 45.6", N 14° 00' 40.7" E 77° 10' 49.4", N 14° 00' 36.4" E 77° 10' 50.0", N 14° 00' 34.8" E 77° 10' 47.2", N 14° 00' 33.8" E 77° 10' 46.3",	Opencast
85	12112 00610	Colour Granite	G. Venkata Subbaiah	S/o G Chinnasubbanna, D.No.12-1-203, Ashok Nagar, Ananthapuramu City and District	11862/R4-1/2017, 04.01.2019	3.000	W	Non-Captive	DEIAA/AP/ATP/2018/7689/144, dt: 07.10.2020	N 13° 59' 40.5" E 77° 11' 11.4", N 13° 59' 45.2" E 77° 11' 10.2", N 13° 59' 46.3" E 77° 11' 13.8", N 13° 59' 41.7" E 77° 11' 19.5", N 13° 59' 40.4" E 77° 11' 13.8",	Opencast
86	12110 90007	Road Metal & Building Stone	G. B. Siva Kumar	,Ananthapuramu ,Gudibanda,GUDIBANDA	279/Q3/2016 02 Feb 2016	1.000	W	Non-Captive	SEIAA/AP/ANT/MIN/11/2020 /2345, dt: 22.06.2021	N 13° 58' 22.62" E 77° 07' 08.74", N 13° 58' 22.50" E 77° 07' 06.75", N 13° 58' 17.14" E 77° 07' 06.66", N 13° 58' 17.26" E 77° 07' 08.66",	Opencast
87	12111 00040	Road Metal & Building Stone	D. Maddana kuntappa	S/o Sri Daganappa R/o Dinnehatti (V) Mandalapalli Post Gudibanda (M) Ananthapuramu District	1382/QL/2008 16 JUL 2008,936/Q3/2016 31 MAR 2016	1.000	NW	Non-Captive	SEIAA/AP/ANT/MIN/09/2020 /2198-98, dt: 14.06.2021	N 13° 59' 17.52" E 77° 10' 32.02", N 13° 59' 13.45" E 77° 10' 30.99", N 13° 59' 14.55" E 77° 10' 28.45", N 13° 59' 15.16" E 77° 10' 29.06", N 13° 59' 18.46" E 77° 10' 29.44",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
88	12112 00592	Road Metal & Buidling Stone, M. Sand	M/s Anuraj Minerals, Pt: Smt. Lakshma mma	Pt: Smt. Lakshmamma W/o Late Sri E.C. Narasappa, D.No.3/13, Budipalli Village, Gudibanda Mandal, Ananthapuramu District, Andhra Pradesh State.	Progs.No. 1148/QL/RM &MS/2019, Dated: 13-01-2020	2.469	W	Non-Captive	SEIAA/AP/ANT/MIN/09/2019 /1271, dt: 24.01.2020	N 13° 59' 19.39207" E 77° 10' 37.55909", N 13° 59' 18.72186" E 77° 10' 40.09351", N 13° 59' 18.45525" E 77° 10' 42.33638", N 13° 59' 19.10750" E 77° 10' 42.37076", N 13° 59' 16.98970" E 77° 10' 46.46154", N 13° 59' 16.74219" E 77° 10' 46.43531", N 13° 59' 15.09357" E 77° 10' 42.98478", N 13° 59' 15.01108" E 77° 10' 37.87324", N 13° 59' 16.86722" E 77° 10' 46.69778", N 13° 59' 14.11100" E 77° 10' 46.69088", N 13° 59' 11.11070" E 77° 10' 42.61785", N 13° 44' 48.86319" E 76° 53' 53.08079".	Opencast
89	12112 10701	Road Metal & Building Stone	Sri P. Ramesh	, S/o P. Pattanna, Madalapalli Village, Gudibanda Mandal, Ananthapuramu District, Andhra Pradesh State	1027/QL-ATP/2019, Dated:12-10-2020	3.000	NW	Non-Captive	SEIAA/AP/ANT/MIN/12/2019 /1494-92, dt: 11.06.2020 (9.7 years)	N 13° 55' 33.88" E 77° 07' 56.58", N 13° 55' 34.41" E 77° 07' 00.18", N 13° 55' 24.15" E 77° 07' 56.53", N 13° 55' 26.97" E 77° 07' 53.31", N 13° 55' 33.08" E 77° 07' 56.41", N 13° 55' 32.49" E 77° 07' 51.52", N 13° 55' 30.14" E 77° 07' 47.78", N 13° 55' 30.09" E 77° 07' 53.77", N 13° 55' 21.56" E 77° 07' 50.37",	Opencast
90	12112 10650	Road Metal & Building Stone	Sri K.H.N.R. Hanumantharaya	H.No.1-7, Kurubanda Village, Gudibanda Mandal, Ananthapuramu District, Andhra Pradesh State	1026/QL-ATP/2019, Dated:12-10-2020	3.000	W	Non-Captive	SEIAA/AP/ANT/MIN/11/2019 /1306, dt: 11.06.2020	N 13° 55' 26.97601" E 77° 07' 53.30873", N 13° 55' 24.28323" E 77° 07' 56.38235", N 13° 55' 19.49886" E 77° 07' 56.62673", N 13° 55' 18.92284" E 77° 07' 55.86687", N 13° 55' 19.14249" E 77° 07' 53.92264", N 13° 55' 23.97365" E 77° 07' 49.98512",	Opencast
91	12112 20668	Colour Granite	M/s Dhaama Minerals, Mg.Part: Sri G. TarunRan ganath	S/o Sri G. Range Gowda, D.No.A-126, Maruthi Nagar, Madakasira Village & Mandal, Ananthapuramu District, Andhra Pradesh State.	9467/D11-ATP/2017, Dated: 07-02-2022	3.000	W	Non-Captive	Yes	N 13° 54' 32.75707" E 77° 09' 16.20303", N 13° 54' 29.70577" E 77° 09' 13.90784", N 13° 54' 24.26296" E 77° 09' 13.42531", N 13° 54' 24.59589" E 77° 09' 10.10654", N 13° 54' 29.21689" E 77° 09' 11.49097", N 13° 54' 31.21543" E 77° 09' 13.49970", N 13° 54' 34.58135" E 77° 09' 13.12854", N 13° 54' 36.63227" E 77° 09' 13.65307", N 13° 54' 37.20554" E 77° 09' 14.98489", N 13° 54' 35.29648" E 77° 09' 16.44426".	Opencast
92	12112 20678	Road Metal &	Sri Maruthi	D.No.1/48, ward No.35, Vijaya Nagar	1602/QL/ATP/2020,	3.775	W	Non-Captive	SEIAA/AP/ANT/MIN/4/2021/ 3147/172.28/169.26,	N 14° 02' 23.32" E 77° 06' 38.90", N 14° 02' 25.30" E 77° 06' 45.30", N 14° 02'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
		M. Sand	Minerals & Crushing	Colony, Siruguppa Road, Bellary, Karantaka state	dt:07.03.2022				dt:26.01.2022	19.55" E 77° 06' 47.11", N 14° 02' 17.43" E 77° 06' 40.75",	
93	12112 20687	Colour Granite	M/s Noor Granites,	# 301 & 401, E-Block, 3rd Floor, Mythreyi Naisimha Apartment, Near Mico Signal, BG Road, Lakkasandra - 560030, Karnataka State.	4762/D11-ATP/2021, Dated:22-06-2022	2.850	W	Non-Captive	SEIAA/AP/ANT/MIN/11/2021 /3564/175.74 & 172.52, dt:08.03.2022 is valid a period of 20 years	N 13° 57' 33.49" E 77° 08' 24.61", N 13° 57' 33.23" E 77° 08' 24.51", N 13° 57' 34.23" E 77° 08' 21.94", N 13° 57' 30.40" E 77° 08' 23.71", N 13° 57' 29.21" E 77° 08' 23.40", N 13° 57' 30.41" E 77° 08' 22.33", N 13° 57' 29.58" E 77° 08' 19.76", N 13° 57' 29.97" E 77° 08' 18.86", N 13° 57' 34.70" E 77° 08' 20.52", N 13° 57' 35.43" E 77° 08' 18.49", N 13° 57' 32.98" E 77° 08' 15.33", N 13° 57' 33.54" E 77° 08' 14.75", N 13° 57' 37.32" E 77° 08' 15.21", N 13° 57' 37.04" E 77° 08' 18.05", N 13° 57' 36.35" E 77° 08' 18.50", N 13° 57' 34.93" E 77° 08' 21.88", N 13° 57' 33.80" E 77° 08' 24.55",	Opencast
94	12112 20700	Colour Granite	Sri B N Shiva Kumar	S/o Late Sri Narasappa, D.No.9/87, Guddadahalli Village & Post, Madakasira Taluk, Gudibanda Mandal, Ananthapuramu District, Andhra Pradesh State	373/D11-ATP/2021, Dated:23-09-2022	2.000	w	Non-Captive	SEIAA/AP/ANT/MIN/03/2022 /4078/183.31 & 180.21, dt:18.04.2022 is valid a period of 20 years for a quantity of 3096 Cbm	N 13° 56' 47.89" E 77° 08' 25.44", N 13° 56' 49.53" E 77° 08' 20.47", N 13° 56' 51.94" E 77° 08' 19.78", N 13° 56' 52.49" E 77° 08' 25.13", N 13° 56' 49.27" E 77° 08' 25.45",	Opencast
95	Not submitted Required documents (CFO) for ID creati	Road Metal, Building Stone and M.Sand	M/s Anuraj Minerals,Pt: Smt. Lakshma mma	M/s Anuraj Minerals, Mg. Part. Smt. Lakshamma , W/o Late E.C.Narasappa, D.No. 3/13, Budipalli Village, Gudibanda Mandal, Sri Satya Sai District.	1499/QL-ATP/2021, dt:29.04.2023	2.000	w	Non-Captive	SEIAA/AP/ANT/MIN/07/2021 /3331/180.53/178.45, dt:26.03.2022 is valid a period of 20 years for a quantity of 15,275 Cbm	N 13° 59' 36.86179" E 77° 09' 18.10589", N 13° 59' 42.23581" E 77° 09' 18.82263", N 13° 59' 43.32437" E 77° 09' 19.40328", N 13° 59' 43.59326" E 77° 09' 20.07385", N 13° 59' 45.13252" E 77° 09' 22.43711", N 13° 59' 44.82128" E 77° 09' 23.17036", N 13° 59' 42.72921" E 77° 09' 24.07046", N 13° 59' 41.17151" E 77° 09' 21.65141", N 13° 59' 41.29142" E 77° 09' 21.59961", N 13° 59' 36.78282" E 77° 09' 19.30481",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-Captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	on										
96	12111 80532	Colour Granite	Sarvalog Earth Movers,	H.No.B-39, Judco Colony, Gandhima Nagar, Coimbatore, Tamilanadu State - 641004	22869/R4-1/2017, dt:08.08.2018	3.960	NW	Non-Captive	SEIAA/AP/ANT/MIN/03/2018 /531, dt: 09.05.2018	N 14° 07' 23.1" E 78° 10' 43.3", N 14° 07' 29.1" E 78° 10' 43.4", N 14° 07' 29.0" E 78° 10' 50.4", N 14° 07' 27.9" E 78° 10' 50.3", N 14° 07' 23.0" E 78° 10' 50.3".	Opencast
97	12111 30066	Colour Granite	R. SHAKTHI	D.No: 10/34 9th Cross 13th Road Srinivasa Nagar Bangalore	40075/R4-1/2011 16 Nov 2012	3.000	W	Non-Captive	SEIAA/AP/ATP-43/2013-2489, dt: 07.10.2013	N 14° 07' 25.80000" E 78° 04' 25.26000", N 14° 07' 28.14000" E 78° 04' 30.98000", N 14° 07' 30.12000" E 78° 04' 29.94000", N 14° 07' 27.00" E 78° 04' 29.28000",.	Opencast
98	12121 30162	Quartz	PRAVEEN A MINES & MINERALS COMPANY Y	Kristipadu Vg. & Post, peddavaduguruMdl. Ananthapuramu District	G.O.Ms.NO. 25, dt: 25.03.2013	22.553	NW	Non-Captive	SEIAA/AP/ANT-028/2011 - 2439, Dt:26.03.2011	N 14° 08' 15.3" E 78° 11' 03.7", N 14° 09' 32.0" E 78° 09' 54.3", N 14° 09' 17.2" E 78° 09' 49.4", N 14° 09' 35.3" E 78° 09' 56.4", N 14° 09' 28.3" E 78° 10' 03.0", N 14° 08' 13.7" E 78° 10' 13.8", N 14° 08' 15.7" E 78° 10' 58.6".	Opencast
99	12111 90573	Road Metal & Building Stone	Sri M. Sreekanth Reddy	S/o Sri M. Ramakrishna Reddy, D.No.1-1190-3P, S.V. Nagar, NGO Colony, Kadiri, Ananthapuramu District, Andhra Pradesh State	270/RM/QL/2 019, Dated: 07-05-2019	2.910	NW	Non-Captive	SEIAA/AP/ANT/MIN/02/2019 /832-200, dt: 18.05.2019	N 14° 07' 50.11342" E 78° 10' 31.73995", N 14° 07' 51.67937" E 78° 10' 30.84205", N 14° 07' 38.50646" E 78° 10' 21.48927", N 14° 07' 38.60830" E 78° 10' 23.49738", N 14° 07' 43.87441" E 78° 10' 24.40293", N 14° 07' 42.90244" E 78° 10' 27.79054", N 14° 07' 35.15001" E 78° 10' 25.44120", N 14° 07' 34.87110" E 78° 10' 21.53351".	Opencast
100	12110 80115	Road Metal & Building Stone	K. V. RAMACH ANDRA REDDY	No	3382/Q4/201 0 24 Mar 2011	1.000	NW	Non-Captive	No	-	Opencast
101	12112 10647	Road Metal & Building Stone	M/s Lakshmi Narasimha Metal Enterprises, Mg.Partner: Sri P. Jagadeshwara Reddy, D.No.1-616-2B, R.S. Road, Kadiri, Ananthapuramu District, Andhra Pradesh State	M/s Lakshmi Narasimha Metal Enterprises, Mg.Partner: Sri P. Jagadeshwara Reddy, D.No.1-616-2B, R.S. Road, Kadiri, Ananthapuramu District, Andhra Pradesh State	304/QL-ATP/2020, Dated:20-01-2021	2.900	NW	Non-Captive	SEIAA/AP/ANT/MIN/05/2020 /1821, dt: 17.04.2021		Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of minin g lease (ha)	Status (Working/no n-working/Tem p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Un derground)
			Reddy								
102	12112 10645	Road Metal & Building Stone	M/s Siva Sai Constructi ons, Mg.Partn er: Sri K.V. Sai Praneeth Reddy	M/s Siva Sai Constructions, Mg.Partner: Sri K.V. Sai Praneeth Reddy, S/o Sri K.V. Ramachandra Reddy, D.No.15/198, Kutagulla Village, Kadiri Mandal, Ananthapuramu District, Andhra Pradesh State.	637/QL-ATP/2020, Dated:20-01-2021	3.843	W	Non-Captive	SEIAA/AP/ANT/MIN/05/2020 /1846, dt: 17.04.2021	N 14° 08' 33.40047" E 78° 10' 17.80072", N 14° 11' 01.77632" E 78° 10' 10.30099", N 14° 11' 03.62689" E 78° 10' 06.16250", N 14° 01' 50.17156" E 78° 00' 13.33948", N 14° 08' 33.40047" E 78° 10' 17.80072", N 14° 08' 31.57443" E 78° 10' 21.06666", N 14° 08' 31.03960" E 78° 10' 20.96614", N 14° 08' 30.86912" E 78° 10' 19.97010", N 14° 08' 32.53780" E 78° 10' 17.89993", N 14° 08' 32.32183" E 78° 10' 17.10777", N 14° 08' 30.48342" E 78° 10' 17.31411", N 14° 08' 28.88117" E 78° 10' 20.51602", N 14° 08' 29.30434" E 78° 10' 21.94694", N 14° 08' 28.35069" E 78° 10' 22.15195", N 14° 08' 26.68643" E 78° 10' 21.07398", N 14° 08' 26.25894" E 78° 10' 20.32216", N 14° 08' 24.77780" E 78° 10' 19.80462", N 14° 08' 23.04007" E 78° 10' 18.62813", N 14° 08' 25.65659" E 78° 10' 14.472157", N 14° 08' 27.88233" E 78° 10' 14.08773".	Opencast
103	12112 20663	Road Metal, Building Stone and M.Sand	M/s S.V Constructi ons	M/s S.V. Constructions, Mg.Part: Sri B. Prasad, S/o Sri B. Venkata Narayana, H.No.1-1190-3-C1, B2 Floor, Opp: Sydhapuramu Anjaneya Temple, NGO Colony, Kadiri, Ananthapuramu District, Andhra Pradesh State.	3022/QL-ATP/2020, Dated:03-12-2021	2.000	W	Non-Captive	SEIAA/AP/ANT/MIN/3/2021/3070/1, dt: 05.01.2022	N 14° 07' 34.35301" E 78° 10' 17.50714", N 14° 07' 33.03009" E 78° 10' 24.47833", N 14° 07' 30.79317" E 78° 10' 24.03781", N 14° 07' 31.10985" E 78° 10' 21.96437", N 14° 07' 29.00784" E 78° 10' 21.27349", N 14° 07' 29.79312" E 78° 10' 18.80267".	Opencast
104	12112 20679	Black Granite	M/s Sri Panchamu khi Granites,	W/o Sri B. Lakshmanna, Poolavandlapalli Village, Peddanavaripalli Post,	12707/D11-ATP/2018, Dated:18-05-2022	4.950	W	Non-Captive	SEIAA/AP/ANT/MIN/7/3364/169.12 & 166.07, dt:06.01.2022	N 14° 13' 31.99005" E 78° 06' 34.15348", N 14° 13' 20.20087" E 78° 06' 56.05197", N 14° 13' 32.80087" E 78° 06' 34.97651", N 14° 13' 34.12208" E 78° 06' 36.31882", N 14° 13' 24.16087" E 78° 06' 58.99443",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
				Talupula Mandal, Ananthapuramu District, Andhra Pradesh State						N 14° 13' 21.23564" E 78° 06' 59.42017".	
105	25112 20001	Quartz	M/s IQRA Minerals,	S/o N. Subahan, D.No.3-350-A, Kummaravandlapalli Village, Kadiri Mandal, Ananthapuramu District, Andhra Pradesh State.	7704/D11-ATP/2018, Dated:23-09-2022	2.751	W	Non-Captive	No.SEIAA/AP/ANT/MIN/02/2022/3976/183.28/ 180.18, dt:18.04.2022 is valid a period of 11 years	N 14° 08' 05.16458" E 78° 11' 11.49838", N 14° 08' 04.04884" E 78° 11' 09.07537", N 14° 08' 13.67479" E 78° 11' 02.67018", N 14° 08' 15.29987" E 78° 11' 03.80005", N 14° 08' 15.11950" E 78° 11' 04.44720".	Opencast
106	25112 30002	White Quartz	M/s IQRA Enterprises,	S/o N. Subahan, D.No.3-350-A, Kummaravandlapalli Village, Kadiri Mandal, Ananthapuramu District, Andhra Pradesh State.	7703/D11-ATP/2018, Dated:31-01-2023	4.960	W	Non-Captive	SEIAA/AP/ANT/MIN/09/2021 /3499/175.08/172.6, dt:08.03.2022	N 14° 04' 15.28021" E 78° 13' 28.54212", N 14° 04' 11.91845" E 78° 13' 26.75634", N 14° 04' 19.79601" E 78° 13' 34.78845", N 14° 03' 52.79994" E 78° 13' 37.44667", N 14° 03' 52.94978" E 78° 13' 46.98036", N 14° 04' 10.98243" E 78° 13' 33.12965", N 14° 04' 00.53814" E 78° 13' 40.20851", N 14° 03' 58.30442" E 78° 13' 36.68913", N 14° 04' 08.99266" E 78° 13' 29.36294".	Opencast
107	12112 30712	Quartz	Sri Gundavar am Shiva Prasad TQL filed on 05.10.2023 in favour of M/s Sai Impex, Mg. Part. Sri rajesh Singh	S/o G. Ranga Rao, D.No.1-1-790, Siddhartha Nagar, Hanamkonda, Warangal, Telangana State-506 004.	3338/D11-ATP/2021, Dated:01.02.2023	3.200	W	Non-Captive	SEIAA/AP/ANT/MIN/05/2022 /4273/195.09/192.05,dt:26.08.2022 for 20 years	N 14° 06' 50.95" E 77° 12' 02.38", N 14° 06' 50.97" E 77° 12' 01.90", N 14° 06' 51.19" E 77° 12' 01.90", N 14° 06' 51.78" E 77° 12' 01.23", N 14° 06' 52.24" E 77° 12' 00.76", N 14° 06' 54.28" E 77° 11' 58.65", N 14° 06' 55.09" E 77° 11' 58.03", N 14° 06' 55.86" E 77° 11' 58.06", N 14° 06' 53.36" E 77° 12' 00.07", N 14° 06' 51.57" E 77° 12' 02.27", N 14° 06' 47.10" E 77° 12' 04.78".	Opencast
108	Not submitted Requi	Road Metal & Building Stone	M/s S.V.Constructions, Part: Sri Sreekanth Reddy,	M/s S.V.Constructions, Part: Sri M. Puraspar Reddy, S/o Sri M. Sreekanth Reddy,	199/QL-ATP/2019, dt:01.02.2023	8.463	W	Non-Captive	SEIAA/AP/MIN/ANT/09/2019 /1282/201.32 & 198.24, dt:14.11.2022		Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	red documents for ID creation		M. Puraspar Reddy	D.No.1-1190-3P, S.V.Nagar, NGO Colony, Kadiri, Sri Sathya Sai District - 515 591.							
109	Not submitted Required documents for ID creation	Road Metal & Building Stone	M/s Prince Mins and Minerals, Prop. A.Ateeq Ahamed	M/s Prince Mines and Minerals, Prop: Sri A.Ateeq Ahamed, S/o Chand Basha, D. No. 11-300-A, Kadiri Town & Mandal, Sri Sathya Sai District - 515 591, Andhra Pradesh	753/QL/RM/2019, dt:26.04.2023	5.714	W	Non-Captive	SEIAA/AP/ANT/MIN/07/2021/3339/212.01 & 209.01, dt:07.03.2023	N 14° 07' 49.64521" E 78° 10' 58.44332", N 14° 07' 48.57601" E 78° 11' 00.39231", N 14° 07' 51.35881" E 78° 11' 09.08297", N 14° 07' 50.10604" E 78° 11' 09.26314", N 14° 07' 43.07165" E 78° 11' 06.59315", N 14° 07' 44.57643" E 78° 10' 57.11312", N 14° 08' 01.50721" E 78° 11' 00.67889", N 14° 08' 01.40284" E 78° 11' 06.17923".	Opencast
110	12112 10657	Road Metal & Building Stone, M.Sand & Gravel	Sri VennupusaRamakanth Reddy	S/o Sri V.Gopal Reddy, R/o MIG 303, APHB Colony, Ananthapuramu	905/QL/A?TP8 2020, dt:09.03.2021	4.000	NW	Non-Captive	SEIAA/AP/ANT/MIN/06/2020/1932, dt: 26.11.2020	N 14° 27' 32.75" E 77° 36' 29.20", N 14° 27' 19.53" E 77° 36' 24.38", N 14° 27' 26.52" E 77° 36' 23.91", N 14° 27' 28.59" E 77° 36' 23.63", N 14° 27' 19.53" E 77° 36' 24.38", N 14° 27' 24.19" E 77° 36' 24.05", N 14° 27' 24.36" E 77° 36' 33.04", N 14° 27' 20.26" E 77° 36' 32.70", N 14° 27' 18.51" E 77° 36' 27.42",	Opencast
111	12112 10656	Road Metal & Building Stone, M.Sand & Gravel	M/s SGS Constructions, Mg.Part:G . Teja Pavan Kumar Reddy	D.No.13-2-155-1, Shirdi Nagar, Ananthapuramur	904/QL/A?TP8 2020, dt:09.03.2021	4.000	W	Non-Captive	SEIAA/AP/ANT/MIN/05/2020/1846, dt: 26.11.2020	N 14° 27' 32.75" E 77° 36' 29.20", N 14° 27' 19.53" E 77° 36' 24.38", N 14° 27' 26.52" E 77° 36' 23.91", N 14° 27' 28.59" E 77° 36' 23.63", N 14° 27' 26.52" E 77° 36' 23.91", N 14° 27' 28.39" E 77° 36' 27.98", N 14° 27' 31.03" E 77° 36' 30.32", N 14° 27' 31.05" E 77° 36' 32.90", N 14° 27' 28.22" E 77° 36' 32.94", N 14° 27' 24.36" E 77° 36' 33.04", N 14° 27' 24.17" E 77° 36' 24.05",	Opencast
112	12112 00654	Road Metal	Anantapur Mines &	Mg.Part: Y. Hanumantha Reddy,	4286/QL/RM &M.Sand/201	4.900	NW	Non-Captive	SEIAA/AP/ANT/MIN/01/2020/1623, dt: 18.12.2020	N 14° 14' 56.09" E 77° 42' 57.19", N 14° 14' 57.90" E 77° 42' 59.82", N 14° 14'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
		&Buidling Stone, M. Sand	Minerals	D.No.102, Noves Square, Thansisandra Main Road, Bangalore	8 DATED 18th November, 2020					58.34" E 77° 43' 11.50", N 14° 14' 51.45" E 77° 43' 03.47", N 14° 14' 52.48" E 77° 43' 01.00".	
113	12111 50397	Road Metal & Building Stone	M/s Sri Lakshmi Venkateswara Mines and Stone Crushers, Mg. Part. Sri S.P.Sudheer Reddy Transfer from Smt. B.Thulasi	Fl.No.A-04, Chitrkut Century, F-Block, Bangalore - 560092. Karnataka State	2404/Q1/2007, Dt: 26.09.2007 & 2312/QL/RM/2019, Dt: 27.08.2019 (Transferred)	3.000	NW	Non-Captive	SEIAA/AP/ANT/MIN/03/2019 /846-95, DT:11.06.2020	N 13° 46' 55.35" E 77° 38' 19.84", N 13° 46' 56.29" E 77° 38' 16.66", N 13° 46' 50.97" E 77° 38' 12.61", N 13° 46' 48.12" E 77° 38' 17.22",	Opencast
114	12112 20707	Black Granite	Sri Kukkapalli PardhaSaradhi	S/o Venkatappaiah, Thimmarajupalem Village, Paruchoor Mandal, Prakasham District, Andhra Pradesh State	5924/D11-ATP/2022, Dated:21-09-2022	4.160	W	Non-Captive	No.SEIAA/AP/ANT/MIN/02/2021/3991/183.84 &180.60, dt:20.04.2022 is valid a period of 20 years for a quantity of 5512 Cbm	N 13° 46' 56.55" E 77° 38' 30.14", N 13° 46' 52.86" E 77° 38' 31.72", N 13° 46' 52.53" E 77° 38' 28.21", N 13° 46' 50.59" E 77° 38' 27.66", N 13° 46' 46.78" E 77° 38' 19.25", N 13° 46' 49.30" E 77° 38' 18.94", N 13° 46' 54.14" E 77° 38' 24.74", N 13° 46' 54.47" E 77° 38' 27.62",	Opencast
115	12110 70076	Colour Granite	G. RADHAKRISHNA	15-35-A Sai Nagar Ananthapuramu, Madakasira, MADAKASIRA	10987/R4-1/2007 04 Aug 2007	1.000	NW	Non-Captive	DEI/AP/ATP/2017/5700/24, dt: 16.09.2017		Opencast
116	12111 20075	Colour Granite	G. SHIVANANDAPPA	G. SHIVANANDAPPA, S/o Sri G. GiryappaK.Gundumal a Post E.Gollahatti (V) Madakasira (M) Ananthapuramu District	16241/R4-1/2010 18 Feb 2012	1.000	NW	Non-Captive	DEIAA/AP/ATP/2017/5699/23, dt:16.09.2017 to 18.03.2032 (20 years)	N 13° 54' 10.6" E 77° 14' 58.7", N 13° 54' 10.4" E 77° 14' 56.9", N 13° 54' 04.4" E 77° 14' 57.5", N 13° 54' 04.6" E 77° 14' 59.3".	Opencast
117	12111 20366	Colour Granite	G. CHANDRA	S/o Sri ThimmannaE.Gollahat	18411/R4-1/2010 05	0.912	NW	Non-Captive	DEIAA/AP/ATP/2017/5698/22, Dt: 06.09.2017 for 20 Years	N 13° 54' 10.8" E 77° 15' 00.0", N 13° 54' 10.6" E 77° 14' 58.7", N 13° 54' 04.6" E	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			PPA	ti (V) K. Gundampalli Post Madakasira (M) Ananthapuramu District	May 2012					77° 14' 59.3", N 13° 54' 05.0" E 77° 15' 01.1", N 13° 54' 09.7" E 77° 15' 00.8".	
118	12111 40245	Colour Granite	G. RADHAKRISHNA	15-35-A Ananthapuramu Madakasira MADAKASIRA	27239/R4-1/2011 17 May 2014	1.919	NW	Non-Captive	Order NO. SEIIA/AP/ATP-83/2013-5626, dt.25-10-2013 to 24-10-2032 (19 YEARS)		Opencast
119	12111 80470	Colour Granite	Sri G. Chandrapa	S/o G. Thimmappa, D. No: 12/6A, E-Golla Hatti-V, Madakasira (M), Ananthapuramu District.	8240/R4-1/2016, Dt:01.01.18	2.000	NW	Non-Captive	DEIAA/AP/ATP/2017/5701/25, dt: 01.09.2018	N 13° 52' 13.8" E 77° 12' 09.3", N 13° 52' 09.8" E 77° 12' 11.8", N 13° 52' 08.1" E 77° 12' 08.8", N 13° 52' 07.9" E 77° 12' 06.2", N 13° 52' 08.9" E 77° 12' 04.4".	Opencast
120	12111 90582	Colour Granite	M/s SreeKanakadurga Granites & Marbles, Mg. Part. N.SaiSubba Rao Transferred from Sri G. Ramesh	Sri G. Ramesh, S/o G. Thimmappa, D. No:12-06, E-Golla Hatti-V, Gunadamala (P), Madakasira (M), Ananthapuramu District.	8244/R4-1/2016, DT24.04.2019	3.000	W	Non-Captive	DEIAA/AP/ATP/2017/8574/87, dt: 16.05.2018	N 13° 52' 05.99660" E 77° 11' 10.14337", N 13° 52' 04.20862" E 77° 11' 15.05177", N 13° 52' 04.54892" E 77° 11' 15.40030", N 13° 52' 06.41678" E 77° 11' 10.38856", N 13° 52' 08.32709" E 77° 11' 11.49929", N 13° 52' 09.77066" E 77° 11' 13.40914", N 13° 52' 09.67850" E 77° 11' 20.86590".	Opencast
121	12111 90581	Colour Granite	Sri G.SannaThimmappa Gari Kariyappa	S/o Late G. SannaThimmappa, D. No:11-4, E-Golla Hatti-V, Gunadamala (P), Madakasira (M), Ananthapuramu District.	8246/R4-1/2016, DT24.04.2019	2.450	W	Non-Captive	DEIAA/AP/ATP/2017/8571/84, dt: 16.05.2018	N 13° 52' 06.21414" E 77° 11' 45.42268", N 13° 52' 08.55552" E 77° 11' 47.19164", N 13° 52' 07.87953" E 77° 11' 47.69953", N 13° 52' 07.87953" E 77° 11' 47.69953", N 13° 52' 01.75354" E 77° 11' 48.22928", N 13° 52' 01.81565" E 77° 11' 48.56914", N 13° 51' 53.94612" E 77° 11' 48.37213", N 13° 51' 54.10657" E 77° 11' 45.76376", N 13° 52' 04.41112" E 77° 11' 45.58498".	Opencast
122	12111 80494	Colour Granite	Sri G. Lakshmi Narasappa	S/o Chowdappa, D.No:5-61, Guddampalli (v), madakasira (m),	12598/R4-1/2015, t: 14.02.2018	1.000	W	Non-Captive	DEIAA/AP/ATP/2017/5702/26, dt: 23.03.2018	N 13° 54' 24.4" E 77° 14' 56.1", N 13° 54' 21.8" E 77° 15' 01.4", N 13° 54' 20.5" E 77° 15' 00.5", N 13° 54' 22.6" E 77° 14' 55.0".	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
				Ananthapuramu D							
123	12111 80538	Colour Granite	Smt M. Hemalatha	Smt M. Hemalatha, W/o Sri M. Prabhakar Reddy, aged about 43 years, residing at Melavoy Village, Madakasira Mandal, Ananthapuramu District	21292/R4-1/16, dt:08.08.2018	2.000	W	Non-Captive	DEIAA/AP/ATP/2017/8565/81, dt: 10.05.2018	N 13° 56' 53.6" E 77° 13' 31.2", N 13° 56' 54.0" E 77° 13' 33.2", N 13° 56' 48.8" E 77° 13' 33.6", N 13° 56' 48.4" E 77° 13' 31.5", N 13° 56' 47.1" E 77° 13' 31.6", N 13° 56' 47.1" E 77° 13' 29.7", N 13° 56' 50.3" E 77° 13' 29.6", N 13° 56' 52.3" E 77° 13' 29.6", N 13° 56' 52.5" E 77° 13' 31.3".	Opencast
124	12111 90590	Colour Granite	G.Kristappa	Sri G. Kristappa, S/o Tigulappa, K. Gundumala (V), Madakasira (M), Ananthapuramu District, Andhra Pradesh State	Progs. No:8241/GQL/CG/2016, Dated: 30.5.2019	3.400	W	Non-Captive	DEIAA/AP/ATP/2017/8569/83, dt: 27.07.2019	N 14° 00' 03.14921" E 77° 16' 29.46287", N 14° 00' 00.97883" E 77° 16' 24.62014", N 13° 59' 58.15681" E 77° 16' 26.36987", N 13° 59' 55.70011" E 77° 16' 24.10615", N 13° 00' 54.83492" E 77° 16' 25.03392", N 14° 00' 00.86802" E 77° 16' 34.17064", N 14° 00' 05.81781" E 77° 16' 29.47627".	Opencast
125	12110 60094	Colour Granite	H. IMAM SAB	5-174-B Ananthapuramu Madakasira MADAKASIRA	18346/R4-1/2006 19 Jul 2006	1.000	NW	Non-Captive	No	-	Opencast
126	12111 20074	Colour Granite	SREE TIRUPATHI BALAJI MINERALS	Plot No: B-149 Paschim Vihar Vashali Nagar JAIPUR Rajasthan	35795/R4-1/2007 29 JAN 2009, 25827/R4-1/2011 23 JUL 2011	4.000	NW	Non-Captive	DEIAA/AP/ATP/20-17857635, dt: 16.05.2015	-	Opencast
127	12111 20093	Colour Granite	H. IMAM SAB	5-174-B Ananthapuramu Madakasira MADAKASIRA	38464/R4-1/2011 25 Jul 2012	0.998	NW	Non-Captive	SEIAA/AP/ATP-78/2013, dt: 25.10.2013	-	Opencast
128	12111 20328	Colour Granite	P. KHASIM	S/o Fakruddin U. Rangapuram (V) Guddampalli Post Madakasira (M) Ananthapuramu District	57320/R4-1/2010 24 Feb 2012	1.000	W	Non-Captive	No	-	Opencast
129	12111 20361	Colour Granite	H IMAM SAB	5-174-B Ananthapuramu Madakasira MADAKASIRA	38461/R4-1/2011 25 Jul 2012	0.682	NW	Non-Captive	SEIAA/AP/ATP-82/2013, dt: 25.10.2013	-	Opencast
130	Not submi	Colour Granite	V Nagaraju	S/o Sri Thimmappa, D.No.5/20,	7153/D11-ATP/2017,	3.800	W	Non-Captive	SEIAA/AP/MIN/10/2019/1270-34, dt:18.12.2019	N 14° 00' 15.8" E 77° 15' 40.7", N 14° 00' 16.0" E 77° 15' 46.8", N 14° 00' 06.1" E	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	tted Required documents for ID creation			Guddampalli (P & V), Madakasira M, Ananthapuramu District	dt:17.11.2020					77° 15' 46.6", N 14° 00' 07.2" E 77° 15' 44.7", N 14° 00' 06.8" E 77° 15' 43.0".	
131	12111 20268	Colour Granite	SRINIVAS A GRANITES	15/35-A Sai Nagar Ananthapuramu Madakasira MADAKASIRA	53481/R4-1/2010 28 Apr 2012	1.000	NW	Non-Captive	Yes	N 13° 57' 08.0" E 77° 17' 09.0", N 13° 57' 05.0" E 77° 17' 09.0", N 13° 57' 05.0" E 77° 17' 05.0", N 13° 57' 08.0" E 77° 17' 15.0".	Opencast
132	12111 40127	Road Metal & Building Stone	N. ANIL KUMAR	7-131-D, Ananthapuramu, Madakasira, GOVINDA PURAM	198/Q4/2014 28 Jan 2014	2.000	NW	Non-Captive	No	N 13° 54' 03.2" E 78° 12' 02.8", N 13° 54' 04.2" E 78° 12' 03.9", N 13° 54' 04.1" E 78° 12' 04.5", N 13° 54' 00.2" E 78° 12' 11.3", N 13° 54' 57.6" E 78° 12' 09.8".	Opencast
133	12112 10651	Road Metal & Building Stone	Smt N. Sridevi,	W/o Sri N. Anil Kumar, D.No.7-131 D, Gangalavaripallyam Village, Madakasira Mandal, Ananthapuramu District, Andhra Pradesh State	3628/QL-ATP/2020, Dated:08-09-2021	2.260	NW	Non-Captive	SEIAA/AP/ANT/MIN/3/2021/2951/1, dt: 17.09.2021	N 13° 54' 19.43544" E 77° 11' 58.18571", N 13° 54' 16.94502" E 77° 12' 03.32128", N 13° 54' 11.51504" E 77° 12' 02.62433", N 13° 54' 13.13007" E 77° 11' 59.28041".	Opencast
134	Not submitted Required documents for ID creation	Colour Granite	Sri Giriyaappar Govindarajulu	S/o Giriyaappa, D.No.12-1A, E. Gollahatti Village, Gundumala Post, Madakasira Mandal, Ananthapuramu District, Andhra Pradesh State.	9455/D11-ATP/2016, Dated:01-02-2023	4.760	W	Non-Captive	DEIAA/AP/ATP/2017/8577/89, dt:16.05.2018	N 13° 52' 05.14315" E 77° 11' 42.81587", N 13° 52' 06.20244" E 77° 11' 45.42408", N 13° 52' 04.12906" E 77° 11' 46.73956", N 13° 51' 54.14083" E 77° 11' 44.87113", N 13° 51' 54.43132" E 77° 11' 39.79021",	Opencast
135	Not submitted	Colour Granite	Smt. Ashmath	Smt. Ashmath, W/o Sri M.Imran, H.No. 5-174-	17828/D11-ATP/2017,	1.000	W	Non-Captive	DEIAA/AP/ATP/2018/23889/174, dt: 22.12.2018 for 20	N 13° 54' 04.27288" E 77° 15' 00.45721", N 13° 54' 02.78222" E 77° 15' 02.92627",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	tted Required documents for ID creation			C, U.Rangapuram Village, Madakasira Mandal, Sri Sathya Sai District.	Dated: 09.08.2023				years - 2,448 Cbm	N 13° 54' 00.61978" E 77° 15' 01.49811", N 13° 54' 00.93549" E 77° 15' 00.37681", N 13° 53' 59.99564" E 77° 15' 00.00028", N 13° 54' 00.59257" E 77° 14' 59.34879", N 13° 54' 00.19883" E 77° 14' 58.99932", N 13° 54' 00.98603" E 77° 14' 57.95353",	
136	12111 80491	Colour Granite	Sri C. Narasimha Murthy	, D.No: 16-3, 18th Main Road, 40 A Cross, T-Block, Jaya Nagar, Bangalore, Karnataka State.	19070/R4-1/2016, dt:19.03.2018	2.990	W	Non-Captive	DEIAA/AP/ATP/2017/6635/59, dt: 15.05.2018	N 14° 23' 04.2" E 78° 03' 41.4", N 14° 23' 05.2" E 78° 03' 44.4", N 14° 23' 57.6" E 78° 03' 47.8", N 14° 23' 56.0" E 78° 03' 43.4",	Opencast
137	12111 90560	Colour Granite	Sri K. Srinivasa Rao,	Sri K. Srinivasa Rao, S/o Sri K. Satyanarayana, D.No.10-299-300, Flat No.206, Comfort Homes, Adimurthy Nagar, Ananthapuramu Town & District, Andhra Pradesh State	Progs.No. 190871/R4-1/2017, dated:19.03.2018.	2.990	W	Non-Captive	DEIAA/AP/ATP/2017/6634/58, dt: 29.01.2019	N 14° 23' 06.2" E 78° 03' 47.4", N 14° 23' 57.8" E 78° 03' 52.3", N 14° 23' 05.7" E 78° 03' 48.1", N 14° 23' 05.2" E 78° 03' 44.4",	Opencast
138	12111 90571	Colour Granite	Sri G. Anjaneyulu,	S/o G. ChinnaNarasimhappa, D.No.1/202, Kurubavandlapalli Village, Penukonda Mandal, Ananthapuramu District, Andhra Pradesh State	190743/R4-1/2016, Dated:12-03-2019	2.990	W	Non-Captive	DEIAA/AP/ATP/2018/10603/153, dt: 05.06.2019	-	Opencast
139	12112 00669	Colour Granite	M/s Chamundi Natural Stones, Prop. Sri	M/s Chamundi Natural Stones, Prop. Sri R.Veeramani, Indra Garden, No. 194, Peters Road,	28435/R4-1/2017, dt:04.06.2019 Transferred 28435/R4-	7.800	W	Non-Captive	No	N 14° 24' 36.53606" E 78° 04' 49.06472", N 14° 24' 36.40664" E 78° 04' 48.83660", N 14° 24' 33.81999" E 78° 04' 46.81604", N 14° 24' 35.27854" E 78° 04' 40.17816", N 14° 23' 36.72088" E 78° 04' 37.79489",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			r.Veeramani Transferred from Sri R. Gandhi	Royatettah, Chennai – 600 014, Tamil Nadu State for information.	1/2017, dt: 04.06.2023					N 14° 24' 35.27181" E 78° 04' 36.52609", N 14° 24' 34.71506" E 78° 04' 34.31012", N 14° 24' 32.76992" E 78° 04' 32.16590", N 14° 24' 32.71690" E 78° 04' 31.86010", N 14° 24' 28.53392" E 78° 04' 31.18069", N 14° 24' 31.08540" E 78° 04' 48.29522",	
140	12112 00618	Quartz	M/s. Benita Industries Ltd.,	H.No.8-2-685/P1, 3 rd floor, Opp: Police Twins Towers, Road No.12, Banjara Hills, Hyderabad -500034, Telangana State	2870/QL/Quartz/2019, dt: 05.11.2020	23.720	W	Non-Captive	SEIAA/AP/ANT/MIN/10/2019 /1363, dt: 11.09.2020	N 14° 25' 47.87" E 77° 59' 09.28", N 14° 25' 50.80" E 77° 59' 12.22", N 14° 25' 40.86" E 77° 59' 29.00", N 14° 25' 22.76" E 77° 59' 37.24", N 14° 25' 20.98" E 77° 59' 34.25", N 14° 25' 36.21" E 77° 59' 19.67",	Opencast
141	12112 00624	Quartz	M/s. Benita Granites Ltd,	H.No.8-2-685/P1, 3 rd floor, Opp: Police Twins Towers, Road No.12, Banjara Hills, Hyderabad -500034, Telangana State	2671/D11-ATP/2019, dt:05.11.2020	24.337	W	Non-Captive	SEIAA/AP/ANT/MIN/10/2019 /1363, dt: 11.09.2020	N 14° 24' 30.39" E 78° 00' 26.82", N 14° 24' 32.50" E 78° 00' 29.62", N 14° 24' 11.77" E 78° 00' 52.02", N 14° 24' 52.02" E 78° 01' 09.22", N 14° 24' 49.48" E 78° 01' 05.63",	Opencast
142	12112 00627	Quartz	M/s. Manna Industries Ltd,	D.No.203, Aditya Elite, B.S. Maktha, Somajiguda, Hyderabad – 500 016	2872/D11-ATP/2019, dt:05.11.2020	24.359	W	Non-Captive	SEIAA/AP/ANT/MIN/10/2019 /1364, dt: 11.09.2020	N 14° 25' 17.52" E 77° 59' 37.74", N 14° 25' 19.87" E 77° 59' 40.33", N 14° 25' 56.33" E 77° 00' 07.30", N 14° 25' 35.56" E 77° 00' 26.15", N 14° 25' 34.19" E 77° 00' 24.16", N 14° 25' 52.42" E 77° 00' 03.74",	Opencast
143	12112 10632	Road Metal & Building Stone	Sri B. Ramajineyulu,	S/o Sri B. Peddanarayana, residing at D.No.15-83, SBI Colony, Dharmavaram Village and Mandal, Ananthapuramu District, Andhra Pradesh State	2430/QL-ATP/2020, Date:20.01.2021	4.950	W	Non-Captive	SEIAA/AP/ANT/MIN/10/2020 /2248, dt: 18.12.2020	N 14° 27' 28.56" E 77° 56' 08.49", N 14° 27' 33.70" E 77° 56' 07.68", N 14° 27' 37.45" E 77° 56' 17.29", N 14° 27' 32.29" E 77° 56' 18.35",	Opencast
144	12112 20706	Quartz	M/s Sri Rameshwara Associates , Partner:	M/s Sri Rameshwara Associates, Partner:Smt. A.Swarnalatha, H.No. 1-90/7/B/GSR,	3309/D11-ATP/2021, Dated: 18-5-2022 Transferred	2.500	W	Non-Captive	SEIAA/AP/ANT/MIN/01/2022 /3887/176.81/173.47 dt:09.03.2022 (20 years)	N 14° 24' 18.20" E 77° 55' 00.61", N 14° 24' 20.81" E 77° 54' 53.03", N 14° 24' 22.45" E 77° 54' 53.30", N 14° 24' 23.34" E 77° 54' 47.09", N 14° 24' 24.71" E 77° 54' 47.52", N 14° 24' 23.67" E 77° 54' 54.40",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			Smt. A.Swarnalatha Transferred from Sri.E.Vishnu Babu,	Patrikanagar, St. No.2, Madhapur, Hyderabad – 500 081.	5418/D11-ATP/2023, DT:05.05.2023					N 14° 24' 22.71" E 77° 54' 54.14", N 14° 24' 20.24" E 77° 55' 01.34".	
145	ID created	Colour Granite	VASUNDHARA ENTERPRISES	6-2-218,Ananthapuramu ,Anantapur Municipal Corporation, Ward No.6	6372/D11-ATP/2018, Dated:23-06-2022.	4.950	W	Non-Captive	SEIAA/AP/ANT/MIN/02/2020 /1714-237, dt:06.07.2020	N 18° 35' 40.55" E 84° 03' 26.71", N 18° 35' 43.38" E 84° 03' 27.07", N 18° 35' 43.48" E 84° 03' 27.24", N 18° 35' 45.66" E 84° 03' 27.44", N 18° 35' 45.76" E 84° 03' 27.65", N 18° 35' 46.22" E 84° 03' 27.64",	Opencast
146	Not submitted Required documents for ID creation	Colour Granite	Sri G. Iqbal Baig	S/o Sri G. Usman Baig, Rabiya Manzil, # 846, 25th Ward Rehmath Nagar, Opp. Phool Bun College, Jambunatha Road, VTC Hospet, Sub-District, Hospet, Ballary District, Karnataka State – 583201.	2630/D11-ATP/2020, Dated:22-09-2022	2.990	W	Non-Captive	SEIAA/AP/ANT/MIN/04/2022 /4165/188.25/185.14, dt:24.06.2022 is valid for a period of 20 years (for a quantity of 4002 Cum / Annum)	N 14° 22' 50.50" E 78° 03' 18.56", N 14° 22' 49.22" E 78° 03' 22.75", N 14° 22' 39.69" E 78° 03' 17.92", N 14° 22' 39.76" E 78° 03' 17.76", N 14° 22' 44.72" E 78° 03' 17.37", N 14° 22' 44.31" E 78° 03' 18.78",	Opencast
147	12112 10704	Colour Granite	Sri N. Shyamaraju	S/o Late Sri N. Venkataraju, Shyamarajupuram Village, Karllagatta Post, Shanthipuram Mandal, Chittoor District, Andhra Pradesh State	128580/D11-ATP/2016, Dated:18-06-2020	2.000	W	Non-Captive	No	N 14° 19' 17.53" E 78° 00' 24.73", N 14° 19' 16.63" E 78° 00' 20.59", N 14° 19' 16.24" E 78° 00' 15.24", N 14° 19' 19.15" E 78° 00' 15.52", N 14° 19' 19.35" E 78° 00' 20.90", N 14° 19' 19.96" E 78° 00' 21.40",	Opencast
148	12112 10705	Colour Granite	Sri N. Thyagaraju	S/o Sri N. Shyamaraju, Shyamarajupuram Village, Karllagatta Post, Shanthipuram Mandal, Chittoor District, Andhra	128589/D11-ATP/2016, Dated:18-06-2020	2.000	W	Non-Captive	No	N 14° 19' 22.9" E 78° 00' 23.9", N 14° 19' 17.9" E 78° 00' 26.5", N 14° 19' 21.4" E 78° 00' 17.8", N 14° 19' 23.0" E 78° 00' 18.0",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-Captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
				Pradesh State							
149	Not submitted Required documents for ID creation	Black Granite	M/s Moksha Granites,	S/o Sri A. Suryamani, D.No.4/658, Chintalarayunipalem, Tadipatri, Ananthapuramu District, Andhra Pradesh State	31617/R4-1/2017, dt:10.05.2019	3.990	NW	Non-Captive	DEIAA/AP/ATP/2018/10608/126, DT:08.09.2018	N 14° 07' 22.10779" E 78° 23' 53.57007", N 14° 07' 23.77029" E 78° 24' 05.30387", N 14° 07' 17.32344" E 78° 24' 03.21934", N 14° 07' 17.34539" E 78° 23' 56.08982",	Opencast
150	12111 60428	Colour Granite	R. RAMANJI NEYULU	3-130, Ananthapuramu, Obuladevaracheruvu, SUNNAMPALLE	18778/R4-1/2015 22 Jun 2016	4.980	W	Non-Captive	SEIAA/AP/ANT-204/2015, dt: 27.07.2016	N 14° 07' 22.10779" E 78° 23' 53.57007", N 14° 07' 23.77029" E 78° 24' 05.30387", N 14° 07' 17.32344" E 78° 24' 03.21934", N 14° 07' 17.34539" E 78° 23' 56.08982",	Opencast
151	12111 70463	Quartz	M/s Karmel silica Private Limited Dir: D. Jeeva Ratna Kumar from Sri M. Siva Sankar Reddy	Giddangivaripalli (V), Vempalli (M), Kadapa District.	6406/R4-1/2016, dt:18.12.17 Transfer Order Proc. No. 13207/D11-ATP/2023, Dt: 09.11.2023	6.000	W	Non-Captive	SEIAA/AP/ANT/MIN/07/2017 /362, dt: 18.12.2017	N 14° 09' 19.73" E 78° 22' 37.19", N 14° 09' 20.96" E 78° 22' 37.41", N 14° 09' 18.54" E 78° 22' 39.56", N 14° 09' 19.53" E 78° 22' 39.74", N 14° 09' 12.29" E 78° 22' 48.11", N 14° 09' 06.67" E 78° 22' 48.02", N 14° 09' 12.11" E 78° 22' 38.52", N 14° 09' 17.31" E 78° 22' 39.42",	Opencast
152	12111 70441	Quartz	Sri G. Harinarayana Gupta	S/o G. Laxmaiah Chetty, H.No:17/461-H, Nehru Nagar, Madanapalli-517325	17356/R4-1/2006, dt:14.12.16	30.615	W	Non-Captive	SEIAA/AP/ANT-32/2015-3483, dt: 01.12.2017	-	Opencast
153	12111 80504	Quartz	Sri K. Kesav Ram	,D. No: 12-21-14, Aryapulm, Rajamundry.	7861/R4-1/2017, dt:25.06.2018	3.675	W	Non-Captive	SEIAA/AP/ANT/MIN/02/2018 -500-136, dt:19.04.2018 for a qty of 133134 TPA	-	Opencast
154	12112 10671	Quartz	Sri G. ChinnaPul	S/o Sri ChinnaPulla Reddy, D.No.1/285,	1054/D11-ATP/2019,	1.952	W	Non-Captive	No	N 14° 04' 08.9" E 78° 22' 57.4", N 14° 04' 10.5" E 78° 22' 58.8", N 14° 04' 04.2" E	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			la Reddy	Kothapalli, Near Police Station, Beside APGB, Pendlimarri Village and Mandal, Y.S.R. Kadapa District, Andhra Pradesh State - 516216	Dated:23-07-2021					78° 23' 07.0", N 14° 04' 02.6" E 78° 23' 07.7",	
155	12120 20084	Quartz	V. SUDHAKAR	C/o Ajantha Cool Drinks Double Road Bellary	8 05 Jan 2002	52.200	NW	Non-Captive	No	-	Opencast
156	12120 70134	Quartz	M. MURALI MOHAN REDDY	C/o Murali Photo Studio Simhadripuram (V & M) Kadapa District	275 18 Oct 2007	25.900	NW	Non-Captive	Yes	N 14° 07' 22.10779" E 78° 23' 53.57007", N 14° 07' 23.77029" E 78° 24' 05.30387", N 14° 07' 17.32344" E 78° 24' 03.21934", N 14° 07' 17.34539" E 78° 23' 56.08982",	Opencast
157	12112 00670	Quartz	M/s Varasiddi Vinayaka Minerals, transferred QL from P. Gururaj	S/o. Papi Reddy, #6-3-197, Flat No.203, Comfort Opel Apartments, Ram Nagar, Anantapuramu Town & District, Andhra Pradesh State (p. Gururaj, S/o P. Ramaswami, 9B-29, Vidyanagar, Kalayndurgam, ATP District)	(transferred work order 1822/TQL/Quartz/2022, dt: 24.03. 2023, Dated:15-02-2023 (original) 2422/OQL/Quartz/2018, dt:28.11.2020	4.930	W	Non-Captive	SEIAA/AP/ANT/MIN/07/2019 /1190-1370, DT:07.11.2019	N 14° 07' 22.10779" E 78° 23' 53.57007", N 14° 07' 23.77029" E 78° 24' 05.30387", N 14° 07' 17.32344" E 78° 24' 03.21934", N 14° 07' 17.34539" E 78° 23' 56.08982",	Opencast
158	12112 00591	Pyrophyllite	M/s Nissi Power Projects Pvt.Ltd	S/o Sri T. Yadagiri, working at D.No.203, Aditya Elite, B.S. Maktha, Hyderabad – 500 016	Progs.No. 6569/D11-ATP/2018, Dated:31-01-2020	24.240	W	Non-Captive	SEIAA/AP/ANT/MIN/03/2019 /870-1, dt: 14.02.2020	N 14° 07' 22.10779" E 78° 23' 53.57007", N 14° 07' 23.77029" E 78° 24' 05.30387", N 14° 07' 17.32344" E 78° 24' 03.21934", N 14° 07' 17.34539" E 78° 23' 56.08982",	Opencast
159	12120 60158	Pyrophyllite	MD. JAFFER ALI	61-19,Gandhi Bazar, Raichothi Y.S.R. Kadapa Dist. ,Rayachoti,RAYACHOTI	235 16 Aug 2005	24.836	NW	Non-Captive	No	-	Opencast
160	25112 20004	Pyrophyllite	Sri BotlaBujji	S/o Sri B. Annaiah, D.No.8-2-269/19/324,	7629/D11-ATP/2020,	4.919	W	Non-Captive	SEIAA/AP/ANT/MIN/10/2021 /3512/ 168.64 &165.51,	N 14° 05' 15.28477" E 78° 25' 15.56129", N 14° 05' 14.09449" E 78° 25' 21.89245",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			Babu	Indira Nagar, Road No.2, Banjara Hills, Hyderabad, Telangana – 5000 34	Dated: 23-06-2022				dt:22.11.2021 is valid a period of 10.82 years	N 14° 05' 23.02365" E 78° 25' 22.87992", N 14° 05' 23.67486" E 78° 25' 17.18007",	
161	25112 20003	Pyrophyllite	M/s Tanvi Mining Industries,	S/o Sri B. Annaiah, D.No.8-2-269/19/324, Indira Nagar, Road No.2, Banjara Hills, Hyderabad, Telangana – 5000 34	7628/D11-ATP/2020, Dated: 22-06-2022	4.895	W	Non-Captive	.SEIAA/AP/ANT/MIN/9/2021/3494/ 171.90 &168.72, dt:25.01.2022 is valid a period of 7.81 years.	N 14° 07' 22.10779" E 78° 23' 53.57007", N 14° 07' 23.77029" E 78° 24' 05.30387", N 14° 07' 17.32344" E 78° 24' 03.21934", N 14° 07' 17.34539" E 78° 23' 56.08982",	Opencast
162	12112 20690	Quartz	Smt S. Shabana	W/o Sri S. Mohammad Azad, D.No.3-253, Kumaravandlapalli Village, Kadiri Mandal, Ananthapuramu District, Andhra Pradesh State.	2306/D11-ATP/2021, Dated: 22-06-2022	4.755	W	Non-Captive	SEIAA/AP/ANT/MIN/03/2022 /4025/183.34/180.23, dt:18.04.2022	N 14° 07' 22.10779" E 78° 23' 53.57007", N 14° 07' 23.77029" E 78° 24' 05.30387", N 14° 07' 17.32344" E 78° 24' 03.21934", N 14° 07' 17.34539" E 78° 23' 56.08982",	Opencast
163	12111 60419	Colour Granite	S. GANGULA PPA	Mamidikayalapalli (V) BagepalliTq. Chikkabalapura District	18779/R4-1/2015 22 Jun 2016	2.970	W	Non-Captive	SEIAA/AP/ANT/205-2015, dt: 27.09.2016	N 14° 01' 02.2" E 78° 12' 29.5", N 14° 01' 01.1" E 78° 12' 27.7", N 14° 01' 01.9" E 78° 12' 27.4", N 14° 01' 02.6" E 78° 12' 26.2", N 14° 01' 02.5" E 78° 12' 25.4", N 14° 01' 04.5" E 78° 12' 23.2", N 14° 01' 07.7" E 78° 12' 23.9", N 14° 01' 07.0" E 78° 12' 29.2",	Opencast
164	12111 80502	Colour Granite	M/s Karthika Mines & Minerals Pvt Ltd	D.No.1/338-1/OE-A, Gurumurthy Thota, Near TVS Showroom, Vempalli, YSR Kadapa District	21291/R4-1/2016, dt:25.06.2018	10.000	W	Non-Captive	SEIAA/AP/ANT/03/2018/525, dt: 07.04.2018	N 14° 07' 22.10779" E 78° 23' 53.57007", N 14° 07' 23.77029" E 78° 24' 05.30387", N 14° 07' 17.32344" E 78° 24' 03.21934", N 14° 07' 17.34539" E 78° 23' 56.08982",	Opencast
165	12110 60327	Colour Granite	ENTERPRISE EXPORTERS	Regd. Off. No: B-24 50th Street Ashok Nagar Chennai.	19006/R4-1/2003 25 Feb 2006	1.000	NW	Non-Captive	No	-	Opencast
166	12120 50087	Quartz	SANDHYA MINES & MINERALS	3-350-A AnanthapuramuKadiri KADIRI (RURAL)	164 03 Jun 2005	4.780	W	Non-Captive	No	-	Opencast
167	12112	Road	Sri G.	S/o Sri G. Sreeramulu,	1840/QL/RM/		W	Non-	SEIAA/AP/ATP/ANT/MIN/05/	N 13° 58' 00.0" E 78° 12' 06.2", N 13° 58'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	00609	Metal & Building Stone	Krishna Mohan Naidu,	D.No.9-15, Chinnayallampalli Village, Nallacheruvu Mandal, Ananthapuramu District, Andhra Pradesh State	2019, dt:18.12.2019	4.950		Captive	2019/9, dt: 03.10.2020	03.7" E 78° 12' 20.8", N 13° 57' 55.7" E 78° 12' 23.0", N 13° 57' 55.7" E 78° 12' 22.8", N 13° 57' 55.0" E 78° 12' 22.4", N 13° 57' 53.7" E 78° 12' 20.9", N 13° 57' 52.3" E 78° 12' 17.5", N 13° 57' 51.6" E 78° 12' 18.1", N 13° 57' 51.1" E 78° 12' 17.0", N 13° 57' 50.7" E 78° 12' 14.9", N 13° 57' 53.1" E 78° 12' 13.3", N 13° 57' 50.8" E 78° 12' 10.3", N 13° 57' 49.0" E 78° 12' 09.7", N 13° 57' 48.0" E 78° 12' 07.9".	
168	12111 60404	Road Metal & Building Stone	M/s KCVR INFRA PROJECTS PVT. LTD.	6-2-906, Ananthapuramu, Anantapur Municipal Corporation, Ward No.6	2142/Q4/2015 22 Jul 2015	4.950	NW	Non-Captive	SEIAA/AP/ANT/MIN/4/2021/3131/165.58&162.52-789, DT:21.09.2021	N 13° 58' 07.06" E 77° 11' 43.70", N 13° 57' 59.32" E 77° 11' 40.30", N 13° 57' 55.70" E 77° 11' 43.30", N 13° 58' 02.33" E 77° 11' 46.94", N 13° 58' 07.41" E 77° 11' 48.99".	Opencast
169	12110 40264	Colour Granite	SRI SAI ROCKS	D.No.19/240-21, Near Vignana Deepthi High Scholl, Mittor, Chittoor District	7089/R4-3/2004, Dt:09.07.2004	2.520	NW	Non-Captive	Yes	DGPS Survey not conducted	Opencast
170	Not submitted Required documents for ID creation	White Quartz	M/s IQRA Enterprises,	W/o Sri N. Shasha Vali, D.No.3-350-A, Kummavandlapalli Village, Kadiri Mandal, Ananthapuramu District, Andhra Pradesh State.	7702/D11-ATP/2018, Dated:31-01-2023	4.973	W	Non-Captive	SEIAA/AP/ANT/MIN/09/2021 / 3495/175.06/172.4, dt:08.03.2022	N 14° 02' 01.17667" E 78° 13' 03.19878", N 14° 02' 03.15991" E 78° 13' 03.03081", N 14° 02' 03.83113" E 78° 13' 26.83989", N 14° 02' 03.50751" E 78° 13' 26.61664", N 14° 02' 02.05429" E 78° 13' 27.18378", N 14° 02' 01.30671" E 78° 13' 27.34831",	Opencast
171	12111 80492	Colour Granite	Sanjeev Granites	D.No.1-4-26, Gopivihar Street, Pulivendula, Kadapa District, Andhra Pradesh State	7952/R4-1/2017, dt:18.05.2018	4.000	W	Non-Captive	SEIAA/AP/ANT/MIN/01/2018 /482-684, dt: 18.05.2018	N 14° 02' 01.17667" E 78° 13' 03.19878", N 14° 02' 03.15991" E 78° 13' 03.03081", N 14° 02' 03.83113" E 78° 13' 26.83989", N 14° 02' 03.50751" E 78° 13' 26.61664", N 14° 02' 02.05429" E 78° 13' 27.18378", N 14° 02' 01.30671" E 78° 13' 27.34831",	Opencast
172	12111	Colour	M/s	D.No.1-4-26,	7953/R4-		W	Non-	SEIAA/AP/ANT/MIN/01/2018	N 14° 13' 35.4" E 78° 02' 22.9", N 14° 13'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	80493	Granite	Sanjeev Granites, Mg. Part. Sri K.Sreedhar	Gopivihar Street, Pulivendula, Kadapa District, Andhra Pradesh State	1/2017, dt: 18.05.2018	4.450		Captive	/481-683, dt: 18.05.2018	36.5" E 78° 02' 33.6", N 14° 13' 41.6" E 78° 02' 32.3", N 14° 13' 40.9" E 78° 02' 24.7".	
173	12111 80528	Colour Granite	Sanjeev Granites	D.No.1-4-26, Gopivihar Street, Pulivendula, Kadapa District, Andhra Pradesh State	7955/R4-1/2014, dt:04.05.2018	7.000	NW	Non-Captive	SEIAA/AP/ANT/MIN/01/2018 /483-685, dt: 09.10.2018	-	Opencast
174	12111 80527	Colour Granite	Sanjeev Granites	Sri K. Sreedhar D.No.1-4-26, Gopivihar Street, Pulivendula, Kadapa District, Andhra Pradesh State	7954/R4-1/2014, dt:04.05.2018	4.890	W	Non-Captive	SEIAA/AP/ANT/MIN/01/2018 /480-682, dt: 09.10.2018	-	Opencast
175	12119 80402	Colour Granite	M/s Karthik Enterprises	M/s Karthik Enterprises, Prop: Sri Y. Mani, Gundlapalli Village, Kuppam Mandal, Chittoor District, Andhra Pradesh State.	14099/R(A)/1998, dt:17.12.1998	1.000	NW	Non-Captive	DEIAA/AP/ATP/2018/2579/97, DT:05.06.2018	N 14° 12' 31.9" E 78° 00' 17.7", N 14° 13' 36.7" E 78° 00' 20.1", N 14° 13' 35.8" E 78° 00' 21.9", N 14° 13' 31.0" E 78° 00' 19.5".	Opencast
176	12112 00621	Road Metal & Building Stone	M/s Sree Sai Venkateswara Constructions,	H.No.5/18, Varigireddypalli V, Mutyalacheruvu, Kadiri M, Ananthapuramu District, Andhra Pradesh State	263/RM/QL/2019, dt:22.11.2019	1.315	W	Non-Captive	SEIAA/AP/ANT/MIN/06/2019 /1025, dt: 19.02.2020	N 14° 08' 12.45" E 78° 02' 16.92", N 14° 08' 12.90" E 78° 02' 13.99", N 14° 08' 13.15" E 78° 02' 13.37", N 14° 08' 17.47" E 78° 02' 14.66", N 14° 08' 17.27" E 78° 02' 15.29", N 14° 08' 14.78" E 78° 02' 18.02"	Opencast
177	12112 10655	Road Metal & Building Stone	M/s. KCVR Infra Projects Pvt Ltd,	S/o Sri K. Chinna Venkata Reddy, D.No.6-2-906, E. Seva Road, Ram Nagar, Ananthapuramu, Andhra Pradesh State.	211/QL/ATP/2019, Dated: 21-05-2021	4.580	NW	Non-Captive	SEIAA/AP/ANT/MIN/08/2020 /2058, dt: 24.06.2021	N 14° 00' 02.79" E 77° 57' 12.98", N 14° 00' 05.58" E 77° 57' 06.75", N 14° 00' 09.67" E 77° 57' 08.45", N 14° 00' 07.28" E 77° 57' 11.58", N 14° 00' 05.20" E 77° 57' 13.78".	Opencast
178	Not submi	Black Granite	Sri Shankarai	S/o Sri Doddamuniyappa,	4571/D11-ATP/2019,	2.229	W	Non-Captive	Order No.SEIAA/AP/ANT/MIN/10/2	N 14° 00' 02.79" E 77° 57' 12.98", N 14° 00' 05.58" E 77° 57' 06.75", N 14° 00'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	tted Requ red docu ment s for ID creati on		ah Gowda	R/o.No.4, 1st Floor, 8th Cross, Chandramouswara Layout, Near Grapes Garden, Opp: Marthi School, Hunasamaranahalli village & Post, Hosahalli Road, Bangalore North, Bangalore - 562157, Karantaka State	Dated: 28-06- 2022				020/2249/155.156&151.32- 203, dt:22.06.2021 is valid a period of	09.67" E 77° 57' 08.45", N 14° 00' 07.28" E 77° 57' 11.58", N 14° 00' 05.20" E 77° 57' 13.78".	
179	12111 80520	Black Granite	K. Meena Kumari	W/o K.Nageswara Rao, D.No: 286/A (6/364), Rly. Quarters, Gooty R.S - 515402, Anantapur. Cell:	260607/R4- 1/2016, dt: 29.06.2018	2.923	NW	Non- Captive	DEIAA/AP/ATP/2018/832/70, dt: 20.08.2018	N 14° 00' 33.40" E 78° 03' 00.60", N 14° 00' 26.38" E 78° 03' 10.40", N 14° 00' 25.32" E 78° 03' 09.60", N 14° 00' 27.70" E 78° 03' 06.20", N 14° 00' 26.10" E 78° 03' 05.00", N 14° 00' 27.40" E 78° 03' 03.30", N 14° 00' 31.40" E 78° 02' 58.50", N 14° 00' 32.50" E 78° 02' 59.60" .	Opencast
180	12111 10175	Black Granite	SRI SAI SIDDESW ARA ENTERPRI SES	1-616-3B R.S. Road Ananthapuramu ,Kadiri,KADIRI (RURAL)	15021/R4- 1/2010 30 Dec 2010	1.000	NW	Non- Captive	Letter No. SEIAA/AP/ANT- 195/2015 Dt:12-12-2015 to Valid up to 20.02.2031 (16 Years)		Opencast
181	12111 80516	Colour Granite	K. Meena Kumari	W/o K.Nageswara Rao, D.No: 286/A (6/364), Rly. Quarters, Gooty R.S - 515402, Anantapur. Cell:	260564/R4- 1/2016, dt: 29.06.2018	2.868	W	Non- Captive	DEIAA/AP/ATP/2018/833/71, DT:16.05.2018	N 14° 00' 33.30" E 78° 02' 56.10", N 14° 00' 30.90" E 78° 02' 53.60", N 14° 00' 27.00" E 78° 02' 58.30", N 14° 00' 25.50" E 78° 03' 02.20", N 14° 00' 27.40" E 78° 03' 03.30", N 14° 00' 31.40" E 78° 02' 58.50".	Opencast
182	Not submi tted Requ red docu ment s for ID	Colour Granite	M/s Panchami Mines & Minerals, Mg.Partn er: Sri Harinatha Reddy,	S/o Late Sri Venkataramappa, D.No.517-F Block, 60 feet Road, Sahakara Nagar, Bangalore – 92, Karnataka State	18805/R4- 1/2017, dt:10.05.2019	7.000	NW	Non- Captive	DEIAA/AP/ATP/2018/10610/ 160, DT:22.12.2018	N 14° 00' 02.79" E 77° 57' 12.98", N 14° 00' 05.58" E 77° 57' 06.75", N 14° 00' 09.67" E 77° 57' 08.45", N 14° 00' 07.28" E 77° 57' 11.58", N 14° 00' 05.20" E 77° 57' 13.78".	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	creation										
183	12112 10691	Colour Granite	Sri N. Saleem,	S/o C. Nazeer Sab, # 379, Flat No.003, 1st Floor, SM Heritage, Beside Government Hospital, M. S. Palya Road, Vidyanarayapura, Bengaluru – 560097, Karnataka State.	5965/D11-ATP/2018, Dated:28-04-2021	4.790	W	Non-Captive	No	N 14° 00' 02.79" E 77° 57' 12.98", N 14° 00' 05.58" E 77° 57' 06.75", N 14° 00' 09.67" E 77° 57' 08.45", N 14° 00' 07.28" E 77° 57' 11.58", N 14° 00' 05.20" E 77° 57' 13.78".	Opencast
184	12111 60423	Quartz	M/s Crestal Quartz Mines, Mg. Part. Smt. K.Veena Reddy Transferred from Sri M. Ravindranath	F. No. 10, Doctors Colony, B-Camp Post Office, Kurnool – 518 002	8479/R4-1/2012 22 Aug 2016 & Transfer Proc. No. 2341/D11-ATP/2023, dt: 24.02.2023 & 14.09.2023	9.081	NW	Non-Captive	SEIAA/AP/ATP-135/2015-849, DT:11.05.2015	N 13° 58' 30.52279" E 78° 03' 09.25849", N 13° 58' 43.69213" E 78° 03' 21.96810", N 13° 58' 45.94207" E 78° 03' 23.76194", N 13° 58' 47.47861" E 78° 03' 24.86589", N 13° 58' 49.22927" E 78° 03' 26.38643", N 13° 58' 58.18697" E 78° 03' 25.85009", N 13° 58' 57.91238" E 78° 03' 28.13784", N 13° 58' 31.38226" E 78° 03' 17.13705", N 13° 58' 30.52279" E 78° 03' 09.25849", N 13° 58' 31.10956" E 78° 03' 13.78619", N 13° 58' 41.73397" E 78° 03' 24.28921", N 13° 58' 45.40186" E 78° 03' 28.43222", N 13° 58' 49.81385" E 78° 03' 30.21087", N 13° 58' 56.43988" E 78° 03' 31.45387", N 13° 58' 56.24903" E 78° 03' 29.45421", N 13° 58' 49.22927" E 78° 03' 26.38643", N 13° 58' 47.47861" E 78° 03' 24.86589", N 13° 58' 45.94207" E 78° 03' 23.76194", N 13° 58' 43.69213" E 78° 03' 21.96810",	Opencast
185	12111 50394	Colour Granite	M/s H.S. Granties, Sole Prop. Sri L. Harisha	N.115, Lakshmi Sadana, Yelahanka Road, Opp.Kristalos School, Kannur, Bangalore - 562149	30969/R3-1/2013 19 Jun 2015	3.160	NW	Non-Captive	SEIAA/AP/ANT-123/2015-871, dt: 14.08.2015	-	Opencast
186	12110 80078	Colour Granite	SRI GAJANAND	# 10 1st Floor Electronic Plaza No:6 P.R.LaneS.P.Road	12111/R4-1/2008 02 JUL 2008,18931/R	2.000	W	Non-Captive	SEIAA/ANT-67/2013, dt: 25.10.2013		Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			GRANITE PVT. LTD.	Cross Bangalore-002	4-1/2012 12 Sep 2012						
187	12110 90172	Colour Granite	T. HEMALATHA Transferred from M.Chaluv a Raju	No: 1283 Srinivasa Nagar SBM Colony 5thCross 9th Main Bangalore-50	4584/R4-1/2007, Dt: 07 APR 2007 & 16484/R4-1/2009, Dt: 15 May 2009 (Transfer)	1.373	W	Non-Captive	SEIAA/ANT-176/2015-4053, Dt: 21.09.2015	N 14° 06' 20.35921" E 77° 46' 45.12798", N 14° 06' 20.20169" E 77° 46' 47.46793", N 14° 06' 26.28137" E 77° 46' 47.65201", N 14° 06' 24.45973" E 77° 46' 44.70908".	Opencast
188	12111 00085	Colour Granite	S. N. MANOHAR	No: 105 Mak Park View Green Glen Layout Bangalore-37	4523/R4-1/2008 02 JUL 2008, 6984/R4-1/2010 11 Mar 2010	3.000	NW	Non-Captive	SEIAA/AP/ANT-215/2015, dt: 02.08.2016	-	Opencast
189	12111 90579	Road Metal & Building Stone, M. Sand and Gravel	Sri K. Kishore Kumar Reddy,	Sri K. Kishore Kumar Reddy, H.No.13-110, Srinivasapuram Village, Gopavaram Post, Proddutur Mandal, Y.S.R. District Andhra Pradesh	175/RM/QL/2019, Dated: 03-05-2019	4.747	W	Non-Captive	DEIAA/AP/ATP/2018/23894/164, dt: 07.03.2019	N 14° 06' 44.7" E 77° 46' 58.7", N 14° 06' 46.3" E 77° 46' 59.1", N 14° 06' 48.4" E 77° 46' 59.1", N 14° 06' 48.2" E 77° 46' 02.7", N 14° 06' 49.2" E 77° 46' 03.1", N 14° 06' 48.9" E 77° 46' 04.4", N 14° 06' 50.0" E 77° 46' 05.2", N 14° 06' 50.8" E 77° 46' 06.9", N 14° 06' 50.3" E 77° 46' 09.6", N 14° 06' 48.9" E 77° 46' 09.3", N 14° 06' 46.9" E 77° 46' 10.1", N 14° 06' 43.6" E 77° 46' 09.9", N 14° 06' 44.2" E 77° 46' 05.2", N 14° 06' 45.1" E 77° 46' 03.3".	Opencast
190	Not submitted Required documents for ID creation	Road Metal & Building Stone	M/s Sai Vishnu Stone Crusher	H.No.16-445, Prameshnagar, near SSS hospital, Beedupalli Village, Puttaparthi Mandal, Ananthapuramu District	64/QL-ATP/2019, dt: 06.11.2020	2.000	NW	Non-Captive	SEIAA/AP/ANT/MIN/10/2019 /1259-19-, dt: 18.12.2019	N 14° 06' 51.75" E 77° 48' 03.36", N 14° 06' 55.12" E 77° 48' 01.41", N 14° 06' 56.36" E 77° 48' 05.97", N 14° 06' 52.09" E 77° 48' 04.54",	Opencast
191	12111	Black	S. K.	87/89-DA Telecom	39916/R4-		W	Non-	SEIAA/AP/ANT-192/2015, dt:	N 14° 24' 13.3" E 77° 33' 31.2", N 14° 18'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	20067	Granite	GRANITE	Nagar Near Nandyal Checkpost Kurnool District	1/2010 16 Mar 2012	3.637		Captive	11.12.2015	51.3" E 77° 34' 06.3", N 14° 18' 51.8" E 77° 34' 14.6", N 14° 18' 50.4" E 77° 34' 14.7", N 14° 18' 45.7" E 77° 34' 03.1".	
192	12111 10062	Black Granite	S K GRANITES	D. No: 87/89-DA Telecom Nagar Near Nandyal Checkpost Kurnool	43550/R4-1/2010 03 Oct 2011	2.000	W	Non-Captive	DEIAA/AP/ANT/2018/2375/14, DT:08.09.2018	N 14° 18' 41.4" E 77° 33' 57.2", N 14° 18' 42.1" E 77° 33' 56.0", N 14° 18' 42.5" E 77° 33' 55.8", N 14° 18' 44.9" E 77° 33' 56.2", N 14° 24' 13.3" E 77° 33' 31.2", N 14° 18' 45.7" E 77° 33' 29.7".	Opencast
193	12111 00059	Colour Granite	P A INTERNATIONAL	No: 6 Ramanuja Iyer Street Old Washermen Pet Chennai-21	11254/R4-1/2010 18 Oct 2010	1.906	W	Non-Captive	No	N 14° 20' 31.46" E 77° 25' 31.97", N 14° 20' 32.61" E 77° 25' 30.67", N 14° 20' 25.63" E 77° 25' 21.33", N 14° 20' 24.33" E 77° 25' 22.83",	Opencast
194	12111 40077	Colour Granite	M. S. ENTERPRISES	D. No: 15 Gulmohar Apartments Buddha Vihar Road Frazer Town, Bangalore	2463/R4-1/2011 15 Jan 2014	1.860	W	Non-Captive	SEIAA/AP/ATP-61/2013, DT:25.10.2013	N 14° 19' 42.9" E 77° 26' 02.2", N 14° 19' 38.1" E 77° 26' 04.7", N 14° 19' 37.2" E 77° 26' 07.4", N 14° 19' 35.2" E 77° 26' 06.4", N 14° 19' 34.5" E 77° 26' 09.4", N 14° 19' 37.0" E 77° 26' 10.2",	Opencast
195	12110 60376	Colour Granite	A. H. SHARIFF	D.No.15, Classic Engineering, 1st Floor, Near Akbari Masjid, Neel Sandra, Bangalore - 560047.	42112/R4-1/05, dt: 17.01.20226	1.000	W	Non-Captive	DEIAA/AP/ATP/2018/2373/98, DT:05.06.2018	N 14° 19' 26.46" E 77° 21' 45.19", N 14° 19' 31.05" E 77° 21' 42.52", N 14° 19' 30.97" E 77° 21' 45.31", N 14° 19' 32.10" E 77° 21' 46.23", N 14° 19' 32.08" E 77° 21' 47.96", N 14° 19' 30.42" E 77° 21' 46.28",	Opencast
196	12111 90584	Road Metal & Building Stone	M/s P.R. Mines and Minerals	Mg Part: B. Nagendra Rao S/o B.Krishaniah Kothageri, Nasanakota Village, Ramagiri Mandal, Ananthapurmu Dist.	1863/QL/RM/2019, Dt:18.12.2019	4.879	NW	Non-Captive	SEIAA/AP/ANT/MIN/07/2019 /1068, dt: 07.11.2019	N 14° 20' 26.24952" E 77° 25' 44.36746", N 14° 20' 32.54745" E 77° 25' 50.77346", N 14° 20' 33.38130" E 77° 25' 50.57045", N 14° 20' 34.65179" E 77° 25' 50.22263", N 14° 20' 35.16856" E 77° 25' 48.48311", N 14° 20' 35.93318" E 77° 25' 43.30780", N 14° 20' 30.08062" E 77° 25' 41.55619",	Opencast
197	12111 00241	Colour Granite	K N ASWATH	S/o Narayana Chari, No.116, 1st Floor, Laxmi Venkateswara Krupalaya, Chamafajapet, Bangalore - 560018	37231/r4-1/2009, dt:17.11.2009	2.000	NW	Non-Captive	No	N 14° 19' 41.7" E 77° 26' 05.9", N 14° 19' 41.8" E 77° 26' 13.2", N 14° 19' 37.6" E 77° 26' 11.1", N 14° 19' 37.7" E 77° 26' 14.4",	Opencast
198	12110 90311	Colour Granite	RADHA EXPORTS	Dir: Krishnan, #G-12, 2nd Floor, State Bank	37187/R4-1/2009,	4.000	NW	Non-Captive	SEIAA/AP/ANP-71/2013-5628, DT:25.10.2013	-	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			(INDIA) PVT. LTD. transferred from Himalaya Enterprises	Street, Mount Road, Chennai-02	dt:30.09.2009 2709/R4-1/2007, dt:05.07.2008						
199	12112 20681	Colour Granite	Sri Mohammed Arham	S/o Sri Mohammed Ishack, residing at Flat No.15, Gulmohar Apartment, Budhavihar Road, Frazer Town, Bangalore – 560005, Karnataka State	2679/D11-ATP/2017, Dated:20-05-2022	3.785	W	Non-Captive	No.SEIAA/AP/ANT/MIN/3/2021/2968/170.19/167.30,dt20.01.2022 valid a period of 20 years.	N 14° 19' 34.56" E 77° 21' 43.62", N 14° 19' 34.85" E 77° 21' 44.55", N 14° 19' 34.81" E 77° 21' 48.17", N 14° 19' 30.97" E 77° 21' 47.51", N 14° 19' 30.47" E 77° 21' 46.76", N 14° 19' 31.59" E 77° 21' 46.86", N 14° 19' 32.87" E 77° 21' 46.30", N 14° 19' 33.33" E 77° 21' 44.41", N 14° 19' 30.83" E 77° 21' 44.35", N 14° 19' 30.89" E 77° 21' 43.96", N 14° 19' 25.14" E 77° 21' 47.43", N 14° 19' 25.05" E 77° 21' 18.07", N 14° 19' 22.62" E 77° 21' 47.14", N 14° 19' 23.12" E 77° 21' 43.13", N 14° 19' 25.73" E 77° 21' 43.00", N 14° 19' 32.07" E 77° 21' 41.57",	Opencast
200	12111 70462	Road Metal & Building Stone	B.K. Sai Constructions	Mg. Prt: P. Shashibhushan, D.No:6-5-516, Andhra Bank Colony, Ramnagar, Ananthapuramu	3168/Q3/2016, dt:09.11.2017	2.600	W	Non-Captive	DEIAA/AP/2017/5704/15, DT:14.09.2017	N 14° 09' 51.57" E 77° 30' 36.07", N 14° 09' 45.57" E 77° 30' 33.06", N 14° 09' 44.88" E 77° 30' 29.71", N 14° 09' 53.01" E 77° 30' 31.90".	Opencast
201	12111 80552	Road Metal & Building Stone	B.K. Sai Constructions	Mg. Prt: P. Shashibhushan, D.No:6-5-516, Andhra Bank Colony, Ramnagar, Ananthapuramu	2856/Q3/2017, dt:30.10.2018	2.350	W	Non-Captive	dEIAA/AP/ATP/2018/676/137, DT:08.09.2018	N 14° 10' 04.92" E 77° 30' 43.65", N 14° 10' 05.24" E 77° 30' 47.29", N 14° 10' 10.55" E 77° 30' 51.07", N 14° 10' 10.92" E 77° 30' 45.73",	Opencast
202	12111 80512	Colour Granite	Sri P. D. Manjunatha	Sri P.D. Manjunatha, S/o Sri P.H. Dasappa, H.No.3-2, P. Gollahatti Village, Dodderi Post, Rolla Mandal, Ananthapuramu	17574/R4-1/2016, dated 28.06.2018	2.000	W	Non-Captive	DEIAA/AP/ATP/2017/8567/92, dt: 22.02.2019	N 13° 47' 01.5" E 77° 10' 21.9", N 13° 47' 05.1" E 77° 10' 21.2", N 13° 47' 05.3" E 77° 10' 25.8", N 13° 47' 00.5" E 77° 10' 27.1", N 13° 47' 00.4" E 77° 10' 22.9", N 13° 47' 01.3" E 77° 10' 22.4",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
				District.							
203	12111 90641	Colour Granite	Sri N. Shakthi Muni,	S/o Narasimhappa, D.No: 1-117, Amarapuramu (V), Madakasira (T), Ananthapuramu Dist., Cell: 9491131899.	21304/R4-1/2016, dt:24.04.2019	4.000	W	Non-Captive	DEIAA/AP/ATP/2018/2028/138, dt: 06.10.2019	N 13° 49' 53.7" E 77° 09' 46.9", N 13° 49' 50.8" E 77° 09' 55.7", N 13° 49' 46.0" E 77° 09' 55.1", N 13° 49' 48.9" E 77° 09' 46.3",	Opencast
204	12111 90630	Colour Granite	Sri D. Govindappa	S/o D. Giriappa, D.No: 4-47A, arket Square, Madakasira Town & Mandal, Ananthapuramu Dist., Cell: 9866782615.	21307/R4-1/2016, dt:03.05.2019	2.000	W	Non-Captive	DEIAA/AP/ATP/2017/8564/93, dt: 06.10.2019	N 13° 49' 34.5" E 77° 10' 02.2", N 13° 49' 33.3" E 77° 10' 08.3", N 13° 49' 30.3" E 77° 10' 08.0", N 13° 49' 30.8" E 77° 10' 01.5",	Opencast
205	12111 90631	Colour Granite	Sri N. Dasa Reddy	Sri N. Dasa Reddy S/o A. Narayana Reddy, D.No: 2-142, Alupanapalli (V), Rolla (M), Ananthapuramu Dist., cell: 9849141643.	21243/R4-1/2016, dt:03.05.2019	2.970	W	Non-Captive	DEIAA/AP/ATP/2018/2031/141, dt: 06.10.2019	N 13° 49' 31.60421" E 77° 09' 48.26472", N 13° 49' 34.97342" E 77° 09' 48.18391", N 13° 49' 35.01552" E 77° 09' 52.13471", N 13° 49' 35.74901" E 77° 09' 53.07791", N 13° 49' 35.74902" E 77° 09' 53.07792", N 13° 49' 35.08192" E 77° 09' 55.54292", N 13° 49' 31.06692" E 77° 09' 57.53441", N 13° 49' 31.13774" E 77° 09' 56.14874", N 13° 49' 31.55195" E 77° 09' 49.17155",	Opencast
206	12111 90642	Colour Granite	M.E. Sunil Kumar	S/o K. Eranna, D. No: 10/240, Maddanakunta (V), Amarapuram (M), Ananthapuramu (Dit) Cell: 9901313578	21303/R4-1/2016, dt:24.04.2019	3.400	NW	Non-Captive	DEIAA/AP/ATP/2018/2029/139, dt: 06.10.2019	N 13° 49' 50.7" E 77° 09' 55.7", N 13° 49' 48.2" E 77° 10' 03.2", N 13° 49' 43.5" E 77° 10' 02.5", N 13° 49' 46.0" E 77° 09' 55.0",	Opencast
207	12111 90640	Colour Granite	Sri V.P. Naveen Kumar	S/o V.M. Pandurangappa, D.No: 14-19A, VannaranaHalli (V), Rolla (M), Ananthapuramu (D), Cell: 9642731336	21244/R4-1/2016, dt:24.04.2019	2.000	W	Non-Captive	DEIAA/AP/ATP/2018/2030/140, dt: 09.10.2019	N 13° 49' 36.82341" E 77° 10' 06.53372", N 13° 49' 37.11562" E 77° 10' 02.15204", N 13° 49' 42.56515" E 77° 10' 02.64033", N 13° 49' 42.12133" E 77° 10' 06.71091",	Opencast
208	12111 90628	Colour Granite	Sri Shafiulla	S/o Kyaja Hussain, P.H. Colony, 10th Cross, Tumkur (V) & (T), (D),	1106/R4-1/2018, dt:10.05.2019	1.500	W	Non-Captive	DEIAA/AP/ATP/2018/23886/171, dt: 26.06.2019	N 13° 49' 31.52201" E 77° 09' 49.17286", N 13° 49' 31.12214" E 77° 09' 56.11968", N 13° 49' 28.70585" E 77° 09' 56.40375",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
				Karnataka State						N 13° 49' 29.11798" E 77° 09' 49.72814"	
209	Not submitted Required documents for ID creation	Road Metal & Building Stone	Smt D. Lakshmi	Smt D. Lakshmi, W/o Sri B. Anantharaju, residing at R/o Venkateswara Nilaya, Opp: Huliappa Park, Lakshmi Narasimha Swamy Extension, Antharasanahalli Arakere Post, Arakere Post, Arakere, Thumkur, Karnataka State	1527/QL/RM/2019, Dated:10-12-2020	4.000	NW	Non-Captive	Yes	N 13° 51' 29.02210" E 77° 08' 00.06272", N 13° 51' 31.93026" E 77° 08' 01.75157", N 13° 51' 32.06581" E 77° 08' 06.03208", N 13° 51' 32.77009" E 77° 08' 08.27867", N 13° 51' 38.08826" E 77° 08' 07.94735", N 13° 51' 38.00100" E 77° 08' 02.91365",	Opencast
210	12112 10683	Road Metal & Building Stone	Sri B. Anantharaju	S/o Sri Bheemappa, residing at R/o Venkateswara Nilaya, Opp: Huliappa Park, Lakshmi Narasimha Swamy Extension, Antharasanahalli, Arakere Post, Arakere, Thumkur, Karnataka State.	1528/QL/RM/2019, Dated:21-04-2021	2.837	NW	Non-Captive	SEIAA/AP/ANT/MIN/03/2020 /1797, dt:25.11.2020	N 13° 51' 39.27355" E 77° 07' 55.42410", N 13° 51' 39.68959" E 77° 07' 58.19901", N 13° 51' 39.02210" E 77° 08' 00.06272", N 13° 51' 31.93026" E 77° 08' 01.75157", N 13° 51' 31.86575" E 77° 07' 59.71508", N 13° 51' 32.27159" E 77° 07' 57.59217", N 13° 51' 33.02181" E 77° 07' 57.78801",	Opencast
211	12112 10643	Road Metal & Building Stone	SRC Infra Developer's private limited	D.No.7-272, Kakatheeya Residency, Court Road, Ananthapuramu	1275/QL/ATP/2020, dt:26.02.2021	4.900	W	Non-Captive	SEIAA/AP/ANT/MIN/07/2020 /1979, dt: 03.12.2021	N 13° 51' 59.29" E 77° 09' 45.89", N 13° 51' 56.07" E 77° 09' 43.85", N 13° 51' 50.35" E 77° 09' 55.74", N 13° 51' 57.21" E 77° 09' 58.36", N 13° 51' 58.32" E 77° 09' 56.72", N 13° 51' 54.38" E 77° 09' 54.20",	Opencast
212	12112 20688	Road Metal	Smt G. Nagaveni	w/o B. Shiva Prasad, D.No.17-2, Hanumanthanapalli Village, Rolla Mandal, Ananthapuramu District, Andhra Pradesh State	3163/QL-ATP/2020, Dated: 22-12-2021	4.705	W	Non-Captive	SEIAA/AP/ANT/MIN/1/2021/2798, dt: 13.07.2021	N 13° 55' 17.72518" E 77° 02' 49.65594", N 13° 55' 22.27595" E 77° 02' 48.71438", N 13° 55' 09.94370" E 77° 02' 36.80790", N 13° 55' 07.49441" E 77° 02' 37.41140",	Opencast
213	12111 20091	Black Granite	M/s SHREE MAHALAK	H. No. 119, New BEL Road, RMV 2nd Stage, Opp: M.S.Ramaiah	33618/R4-1/2011 01 Jun 2012 and	1.800	NW	Non-Captive	Order No. SEIAA/AP/ATP/57/2013 dt.23-10-2013 valid upto 14-	N 13° 55' 31.75" E 77° 36' 44.59", N 13° 55' 33.58" E 77° 36' 45.31", N 13° 55' 36.33" E 77° 36' 55.65", N 13° 55' 34.38"	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			AHMI MINES AND MINERAL EXPORTS, Part: Y.N.Beeralinga Gowda Transferred from M/s KEMPSZ TRADING PVT. LTD., Part: Kempanna Chetty	Hospital, Devasandra, Bangalore North.	10846/D11-ATP/2023, dt: 08.08.2023 (Transfer)				06-2032 (19 years)	E 77° 36' 55.88",	
214	12111 10340	Colour Granite	T. N. BALASUBRAM ANYAM Transferred from Sri S., Mohammed Rafi	S/o Late Sri T.S. Nagaraj, A-32, V.K. Residency, Dr. Sivaramkarty Road, Chikkalasandra, Bangalore - 61.	8268/R4-1/2010, dt: 29.11.2010 & 2275/R3-1/2014, dt: 08.08.2014 Transferred	2.000	NW	Non-Captive	DEIAA/AP/ATP/2017/6638/1 36. dt: 8.09.2021	N 14° 01' 08.5" E 77° 39' 59.4", N 14° 01' 08.0" E 77° 39' 53.7", N 14° 01' 12.4" E 77° 39' 54.2", N 14° 01' 12.4" E 77° 39' 59.2",	Opencast
215	12111 70472	Road Metal & Buidling Stone, M. Sand	Rai Bahadur Seth Shreeram Narasingadas Private Limited	Mg. Director: Sri Ajay SarafD.No:1499/1, Post Box No.38, Kariganur(P), Hospet-583201, Bellary District	2923/QL/MS/ATP/2016, dt:12.05.17	24.210	W	Non-Captive	SEIAA/AP//MIN/12/2016/262 , dt: 08.07.2017	N 13° 59' 42.4" E 77° 36' 35.7", N 13° 59' 48.4" E 77° 36' 39.8", N 13° 59' 49.1" E 77° 36' 44.6", N 13° 59' 50.6" E 77° 36' 48.7", N 13° 59' 49.9" E 77° 36' 58.4", N 13° 59' 46.7" E 77° 36' 57.9", N 13° 59' 42.2" E 77° 36' 59.1", N 13° 59' 38.1" E 77° 36' 59.4", N 13° 59' 33.7" E 77° 36' 43.2", N 13° 59' 40.6" E 77° 36' 42.8",	Opencast
216	12111 60407	Road Metal & Buidling	SHREE INTERNATIONAL	S Balaji, Flat No 2013, 45/46, Palace Road, Bangalore-560001	2470/Q3/RM/2016, dt:31.08.2016	4.900	NW	Non-Captive	No	N 14° 00' 24.0" E 77° 38' 40.1", N 14° 00' 27.1" E 77° 38' 40.7", N 14° 00' 28.2" E 77° 38' 41.0", N 14° 00' 28.7" E 77° 38'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
		g Stone, M. Sand	VYAPAR PVT LTD		& 3758/Q3/2015, dt:30.12.2015					45.9", N 14° 00' 24.2" E 77° 38' 49.6", N 14° 00' 23.3" E 77° 38' 49.5", N 14° 00' 21.9" E 77° 38' 48.4", N 14° 00' 21.6" E 77° 38' 47.4", N 14° 00' 20.4" E 77° 38' 46.8", N 14° 00' 21.2" E 77° 38' 43.8",	
217	12111 80514	Road Metal & Building Stone	Sri L. Rama Krishna	Sri L. Rama Krishna,,S/o L. Narayana Chowdary, H.No.6-5-659, Sri Nagar Colony, Ananthapuramu Town & District	2695/Q3/2017, dt:01.08.2018	6.870	W	Non-Captive	SEIAA/AP/ANT/MIN/03/2018 /559-545, dt: 07.08.2018	N 13° 58' 41.7" E 77° 37' 38.5", N 13° 58' 43.5" E 77° 37' 42.0", N 13° 58' 30.1" E 77° 37' 49.5", N 13° 58' 28.6" E 77° 37' 46.0", N 13° 58' 28.0" E 77° 37' 44.0",	Opencast
218	12111 60408	Road Metal & Building Stone	SHREE INTERNATIONAL VYAPAR PVT LTD	Flat No 2013, 45/46, Palace Road, Bangalore-560001	4109/Q4/2008 25 Jun 2009	9.712	W	Non-Captive	SEIAA/AP/ANT/MIN/03/2017 /294, DT:05.06.2017	N 14° 00' 19.8" E 77° 38' 14.7", N 14° 00' 35.8" E 77° 38' 13.8", N 14° 00' 29.2" E 77° 38' 23.8", N 14° 00' 22.3" E 77° 38' 22.9"	Opencast
219	12110 70320	Road Metal & Building Stone	M/s Lakshmi Venkateswara Stone Crushers	26-4-1373-C Melapur,Ananthapuramu ,Hindupur,HINDUPUR	(RQL 636/RQL/RM/20017, dt:07.12.2017 (TQL-852/Q3/RM/2007, dt:28.07.2016)852/Q3/RM/2007, dt:17.11.2007	1.000	NW	Non-Captive	No	N 13° 55' 27.6" E 77° 37' 01.0", N 13° 55' 27.2" E 77° 37' 02.6", N 13° 55' 25.5" E 77° 37' 02.9", N 13° 55' 25.2" E 77° 37' 01.4", N 13° 55' 22.1" E 77° 37' 03.3", N 13° 55' 22.2" E 77° 36' 59.7", N 13° 55' 22.3" E 77° 37' 00.9", N 13° 55' 23.7" E 77° 37' 00.0", N 13° 55' 26.2" E 77° 36' 59.7", N 13° 55' 27.2" E 77° 37' 01.1",	Opencast
220	12111 60411	Road Metal & Building Stone	B. SRINIVASA REDDY	2-69,Ananthapuramu ,Gorantla,PALASAMUDRAM	351/Q3/2016 15 Mar 2016	1.370	NW	Non-Captive	No	N 13° 55' 20.7" E 77° 37' 04.6", N 13° 55' 26.3" E 77° 37' 03.2", N 13° 55' 24.0" E 77° 37' 08.6", N 13° 55' 23.2" E 77° 37' 09.3", N 13° 55' 21.9" E 77° 37' 09.9", N 13° 55' 18.7" E 77° 37' 10.1", N 13° 55' 16.6" E 77° 37' 05.5", N 13° 55' 19.8" E 77° 37' 02.4",	Opencast
221	12111 60431	Black Granite	S. R. S. GRANTIES	28-836-1,Kurnool ,Nandyal,NANDYAL	2896/R4-1/2012 18 Jul 2016	1.416	NW	Non-Captive	SEIAA/AP/ANT-187/2015, DT:15.10.2015	N 14° 15' 51.9" E 78° 19' 25.9", N 14° 15' 51.2" E 78° 19' 22.9", N 14° 15' 53.3" E 78° 19' 25.1", N 14° 15' 55.6" E 78° 19'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
										24.2", N 14° 15' 57.4" E 78° 19' 30.6", N 14° 15' 55.5" E 78° 19' 31.5".	
222	12111 40072	Colour Granite	SMT. A. SREEDEVI	D.No: 23-35-43 AS Rao Street Lakshmi Nagar S.N.Puram Vijayawada	24294/R4-1/2011 18 FEB 2014	11.960	W	Non-Captive	SEIAA/AP/ANT/MIN/11/2016 /243, dt: 04.04.2017		Opencast
223	12112 10638	Colour Granite	Smt D. Pavani	, W/o Late D. Viswanath, Siddamreddipalli Village, Peddajuturu Post, Vemula Mandal, Kadapa District, Andhra Pradesh State.	2495/D11-ATP/2011, dt:29.12.2020	7.560	W	Non-Captive	SEIAA/AP/ANT-184/2015, dt: 25.02.2021	N 14° 17' 33.48224" E 78° 13' 50.38976", N 14° 17' 32.46647" E 78° 13' 54.31275", N 14° 17' 32.10724" E 78° 13' 54.95827", N 14° 17' 31.13187" E 78° 13' 54.96601", N 14° 17' 30.74972" E 78° 13' 55.50564", N 14° 17' 31.89842" E 78° 13' 56.50638", N 14° 17' 31.25871" E 78° 13' 58.97672", N 14° 17' 29.34171" E 78° 13' 59.55532", N 14° 17' 24.25479" E 78° 13' 58.71384", N 14° 17' 24.15954" E 78° 13' 47.35268".	Opencast
224	12111 60432	Colour Granite	K. RAVI SHANKAR	39/49-39,Y.S.R.,Cuddapah,WARDNO-39	11420/R4-1/2014 11 Aug 2016	3.000	NW	Non-Captive	SEIAA/AP/ANT-210/2015, dt: 18.05.2018, dt: 19.09.2016	N 14° 17' 33.3" E 78° 08' 31.1", N 14° 17' 33.2" E 78° 08' 29.1", N 14° 17' 22.2" E 78° 08' 28.0", N 14° 17' 22.7" E 78° 08' 32.0".	Opencast
225	12111 90580	Quartz	M/s Vita Mining Pvt Limited, TQL from K.Ravi Sankar	S/o Late Sri PurugullaAdeswara Rao, D.No.101, GRC Residency, Plot No.19/C, 100 ft Road, Madhapur, Hyderabad – 500081.	TQL grant order - 12874/D11-ATP/2022, Dated:01-02-2023	40.313	W	Non-Captive	SEIAA/AP/ANT/MIN/09/2017 -406-1, dt: 24.01.2019	N 14° 17' 49.97" E 78° 07' 50.59", N 14° 17' 45.42" E 78° 07' 59.42", N 14° 17' 29.57" E 78° 08' 21.21", N 14° 17' 14.08" E 78° 08' 31.94", N 14° 17' 10.63" E 78° 08' 39.47", N 14° 16' 53.01" E 78° 08' 49.17", N 14° 16' 56.54" E 78° 08' 56.55", N 14° 17' 15.79" E 78° 08' 37.58", N 14° 17' 14.48" E 78° 08' 33.30", N 14° 17' 22.64" E 78° 08' 32.26", N 14° 17' 21.99" E 78° 08' 28.29", N 14° 17' 39.07" E 78° 08' 22.46", N 14° 17' 56.58" E 78° 07' 54.64".	Opencast
226	12111 10283	Road Metal & Building Stone	Anuradha Stone Crushers	11/965,Ananthapuram u ,Anantapur Municipal Corporation,Ward No.14	1671/Q4/2013 14 May 2013	1.000	NW	Non-Captive	No		Opencast
227	25112 20010	Quartz	M/s Sree Balaji Mines &	S/o E. Boreddy, D.No.4-265, Kranthi Nagar, Near	33031/D11-ATP/2017, Dated: 19-09-	7.055	W	Non-Captive	yes	N 14° 11' 45.7" E 78° 21' 26.2", N 14° 11' 50.20" E 78° 21' 27.8", N 14° 11' 37.0" E 78° 21' 43.6", N 14° 11' 34.11" E 78° 21'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			Minerals,	Bommalastram, Nandyal, Kurnool District, Andhra Pradesh State.	2022					41.4".	
228	Not submitted Required documents (CFO) for ID creation	Quartz	M/s Thallapaka Minerals, Successor applicant Proprietor : Smt. Thallapaka Aruna	M/s Thallapaka Minerals, Proprietor: Smt. Thallapaka Aruna, W/o Late Sri Chinnaiah Achari, D.No. 10-121-1, Devunikadapa, Pathakadapa, YSR Kadapa District, Andhra Pradesh – 516 001.	16719/D11-ATP/2017, dt: 12.06.2023	6.110	W	Non-Captive	SEIAA/AP/ANT/MIN/6/2021/3281/202.02/199.02, dt: 30.11.2022	N 14° 14' 10.59544" E 78° 18' 57.36951", N 14° 14' 07.56607" E 78° 18' 55.06558", N 14° 13' 57.15572" E 78° 19' 09.35438", N 14° 13' 59.89867" E 78° 19' 11.64503",	Opencast
229	Not submitted Required documents (CFO) for ID creation	Quartz	Sri G.Chinna Pulla Reddy	Sri G.Chinna Pulla Reddy, D. No. 1/285, Kothapalli, Near Police Station, Beside APGB, Pendlimarri Village and Mandal, YSR Kadapa District	18176/D11-ATP/2018, dt: 17.08.2023	14.955	W	Non-Captive	SEIAA/AP/ANT/MIN/08/2020/2063/211.45/208.31, dt: 02.03.2023 for 20 years	N 14° 13' 16.6" E 78° 20' 14.2", N 14° 13' 12.6" E 78° 20' 18.5", N 14° 13' 21.1" E 78° 20' 15.1", N 14° 13' 40.4" E 78° 19' 53.5", N 14° 13' 44.4" E 78° 19' 57.3", N 14° 13' 25.3" E 78° 20' 19.0"	Opencast
230	12111 80529	Black Granite	R. Kanakaraju	H.No.514/15, Pethampalyam Road, Karumandi, Chellipalaam Post, Perundrai, Erode Dist, Tamilnadu -638052	2825/R4-1/2017, dt:08.08.2018	4.000	W	Non-Captive	SEIAA/AP/ANT/MIN/05/2018/581-543, dt: 09.05.2018		Opencast
231	12112 10662	Black Granite	M/s Matha Exports,	M/s Matha Exports, Proprietor: Sri Pradeep Somashekar	23907/D11-ATP/2017, Dated:20-05-	3.120	W	Non-Captive	DEIAA/AP/ATP/2018/23892/163, dt: 22.12.2018	N 13° 50' 35.9" E 78° 10' 48.5", N 13° 50' 40.3" E 78° 10' 48.5", N 13° 50' 39.3" E 78° 10' 55.1", N 13° 50' 37.6" E 78° 10'	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			Proprietor: Sri Pradeep Somashekhar Wodeyar Transferred from Sri K. Ramesh	Wodeyar, S/o Late Sri Somashekhar S Wodeyar, D. No. 25, Toku, Nagarbhavi Main Road, Maruthi Nagar, Ganagogondanahalli, Bangalore North, Bangalore, Karnataka Satate - 560 072.	2021 & 1955/D11-ATP/2022, Dt: 27.04.2022 (TQL)					55.0", N 13° 50' 35.7" E 78° 10' 54.1", N 13° 50' 34.1" E 78° 10' 54.9", N 13° 50' 33.8" E 78° 10' 53.8", N 13° 50' 34.1" E 78° 10' 51.2"	
232	12111 20183	Black Granite	VENKATA SUDHA ENTERPRISES	D.No.7/68, S V Puramu V, Vemula M, YSR District, PIN 516349, AP (old-13-902-1-1 Ist Road Sanjeeva Nagar TadipatriAnanthapura mu ,Tadipatri ,TADPATRI (R))	5253/R4-1/2011 16 Mar 2012	2.964	NW	Non-Captive	SEIAA/AP/ VSp-173/2015-4070, DT:21.09.2015	N 13° 48' 22.78" E 78° 12' 17.78", N 13° 48' 24.58" E 78° 12' 16.33", N 13° 48' 30.72" E 78° 12' 31.52", N 13° 48' 28.92" E 78° 12' 32.28",	Opencast
233	12111 20108	Black Granite	MOHAMMED RAFAEEQ	S/o Sri Mohammed Ishaq No: 1173 Platform Road Vijinapura Bangalore-16	12315/R4-3/2003 02/17/2004,8 869/R4-1/2012 05/07/2012	2.740	W	Non-Captive	No	N 13° 54' 25.62" E 78° 16' 0.78", N 13° 54' 25.14" E 78° 15' 55.62", N 13° 54' 25.56" E 78° 15' 54.24", N 13° 54' 26.22" E 78° 15' 54.06", N 13° 54' 26.82" E 78° 15' 52.98", N 13° 54' 27.00" E 78° 15' 54.85", N 13° 54' 26.82" E 78° 15' 55.32", N 13° 54' 26.88" E 78° 15' 55.98", N 13° 54' 29.34" E 78° 15' 57.36", N 13° 54' 29.22" E 78° 15' 59.4", N 13° 54' 24.80" E 78° 15' 0.24", N 13° 54' 24.90" E 78° 15' 04.10", N 13° 54' 25.62" E 78° 16' 04.26", N 13° 54' 26.22" E 78° 16' 02.58", N 13° 54' 25.38" E 78° 16' 02.16", N 13° 54' 25.82" E 78° 16' 00.96",	Opencast
234	12111 80531	Black Granite	R. Kanakaraju	H.No.514/15, Pethampalyam Road, Karumandi, Chellipalaam Post, Perundrai, Erode Dist,	2826/R4-1/2017, dt:08.08.2018	2.970	W	Non-Captive	SEIAA/AP/ANT/MIN/05/2018 /582-548, dt: 09.05.2018		Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
				Tamilnadu -638052							
235	12111 70456	Colour Granite	R. Jaya Prakash Naidu	R. Jaya Prakash Naidu, S/o Raghupathi, Pent House No:1#108/1, Vijaya Bank Colony, Sradda Spring fields Bansawadi, Bangalore=560043.	27193/R4-1/15, dt:29.08.17	15.000	W	Non-Captive	SEIAA/AP/ANT/MIN/03/2017 /298, dt: 10.06.2017	N 13° 52' 46.6" E 78° 14' 57.0", N 13° 52' 50.7" E 78° 14' 49.6", N 13° 52' 52.3" E 78° 14' 50.9", N 13° 52' 51.8" E 78° 14' 53.4", N 13° 52' 10.4" E 78° 14' 59.2", N 13° 52' 05.1" E 78° 15' 08.7", N 13° 52' 00.6" E 78° 15' 05.7", N 13° 52' 58.5" E 78° 15' 55.5",	Opencast
236	12111 80533	Colour Granite	SreeMaruthi Stone Suppliers	No.4, 1st Floor, Misaganahalli, BL Halli-P., Jala Habli, Bangalore	17878/R4-1/2016, dt:07.02.2018	7.500	W	Non-Captive	SEIAA/AP/ANT/MIN/06/2017 /336, dt: 14.09.2018	N 13° 54' 22.2" E 78° 16' 18.2", N 13° 54' 20.9" E 78° 16' 21.2", N 13° 54' 17.8" E 78° 16' 23.0", N 13° 54' 13.1" E 78° 16' 29.6", N 13° 54' 12.2" E 78° 16' 20.3", N 13° 54' 13.3" E 78° 16' 15.4", N 13° 54' 15.9" E 78° 16' 13.1", N 13° 54' 18.4" E 78° 16' 11.4", N 13° 54' 20.7" E 78° 16' 12.2", N 13° 54' 20.1" E 78° 16' 14.0", N 13° 54' 21.3" E 78° 16' 15.0", N 13° 54' 21.2" E 78° 16' 15.8", N 13° 54' 17.9" E 78° 16' 16.1", N 13° 54' 17.7" E 78° 16' 17.3", N 13° 54' 18.5" E 78° 16' 17.5", N 13° 54' 19.2" E 78° 16' 16.8",	Opencast
237	12111 90575	Colour Granite	M/s Manvith Minerals,	Sri Y. Pavan Kumar Reddy, S/o Y. Jayarami Reddy, Partner of M/s Manvith Minerals, # 303, Adithya Apartments, Ramji Nagar, Near Children Park, Nellore - 524002, Andhra Pradesh State.	17491/R4-1/2016, Dated: 25-03-2016	3.000	NW	Non-Captive	DEIAA/AP/ATP/2018/2036/1 16, dt: 21.05.2019	-	Opencast
238	12111 90574	Colour Granite	J.N. Venkata Siva	S/o Sri Narayanappa Maryabuj ybtaoistm Gykyr Givuk mChikkaballapura District Karnataka State	18804/R4-1/2017, dated:04.01.2019	4.810	W	Non-Captive	DEIAA/AP/ATP/2018/2692/1 17, dt: 18.05.2019	N 13° 54' 49.9" E 78° 16' 00.4", N 13° 54' 53.7" E 78° 16' 59.3", N 13° 54' 01.0" E 78° 16' 10.7", N 13° 54' 57.3" E 78° 16' 11.8".	Opencast
239	12111 60421	Colour Granite	SAVIOUR MINES &	D. No: 6-3-119 Flat No: 203 D-Block Aditya	6731/R4-1/2015 25 Jun	1.980	NW	Non-Captive	not in Ec copies in file	N 13° 56' 36.9" E 78° 14' 31.7", N 13° 56' 36.2" E 78° 14' 30.3", N 13° 56' 36.7" E	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			MINERALS PVT. LTD.	Elite B.S.MakthaSomajiguda Hyderabad-500016	2016					78° 14' 28.7", N 13° 56' 38.2" E 78° 14' 28.5", N 13° 56' 37.4" E 78° 14' 26.7", N 13° 56' 36.7" E 78° 14' 26.6", N 13° 56' 36.2" E 78° 14' 28.2", N 13° 56' 35.7" E 78° 14' 27.6", N 13° 56' 35.9" E 78° 14' 27.0", N 13° 56' 34.3" E 78° 14' 26.5", N 13° 56' 34.2" E 78° 14' 25.14", N 13° 56' 33.7" E 78° 14' 25.7", N 13° 56' 33.4" E 78° 14' 27.1", N 13° 56' 34.0" E 78° 14' 28.1", N 13° 56' 32.8" E 78° 14' 29.7", N 13° 56' 32.7" E 78° 14' 30.4", N 13° 56' 33.1" E 78° 14' 30.6", N 13° 56' 31.8" E 78° 14' 32.7".	
240	12111 60422	Colour Granite	M/s Saviour Mines & Minerals Pvt. Ltd.	T. Sankara Rao, D. No: 6-3-119 Flat No: 203 D-Block Aditya Elite B.S.MakthaSomajiguda Hyderabad-500016	6732/R4-1/2015 06 Jul 2015	2.710	NW	Non-Captive	not in Ec copies in file	-	Opencast
241	12111 70474	Colour Granite	H.S. Ramanjaneya	S/o Shivaramappa, Honnampalli (V), Muraganakunte (P), Bagepalli (TQ)Chikbalapur District, Karnataka State.	177189/R4-1/2016, dt:07.11.17	2.000	W	Non-Captive	MC4/1896/2017, dt: 30.12.2017	N 13° 54' 27.3" E 78° 14' 41.2", N 13° 54' 21.0" E 78° 14' 41.1", N 13° 54' 22.2" E 78° 14' 37.3", N 13° 54' 24.8" E 78° 14' 37.2", N 13° 54' 27.5" E 78° 14' 38.5",	Opencast
242	12111 30161	Colour Granite	POOJA GRANITES & MINERALS	S/o Sri K.ShanmugamAnupalli (V) Gangasagaram Chittoor Mandal & District	47197/R4-1/2011 27 Nov 2012	1.800	NW	Non-Captive	No	-	Opencast
243	12112 10666	Colour Granite	Sri K.M. Venkata Reddy	Sri K.M. Venkata Reddy, S/o Late Sri K.V. Muddu Rama Reddy, Kalavara Village, KasabaHobili, Chikballapur Taluk and District, Karnataka State	157753/D11-ATP/2016, Dated:11-11-2017	4.000	W	Non-Captive	No	N 13° 53' 28.8" E 78° 14' 12.0", N 13° 53' 30.5" E 78° 14' 16.0", N 13° 53' 26.9" E 78° 14' 19.4", N 13° 53' 22.4" E 78° 14' 12.7", N 13° 53' 26.2" E 78° 14' 08.3".	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
244	12111 80524	Colour Granite	SLV Global Projections	#12, 1st Cross, D Block, Deference Colony, Sahakarnagar, Bangalore, Karnataka State	23755/ R4-1/2017,dt: 01.08.2018	5.520	W	Non-Captive	SEIAA/AP/ANT/MIN/05/2018/ 580, dt: 30.08.2018	N 13° 54' 23.6" E 78° 16' 26.2", N 13° 54' 25.0" E 78° 16' 26.1", N 13° 54' 24.1" E 78° 16' 28.2", N 13° 54' 25.8" E 78° 16' 29.6", N 13° 54' 17.5" E 78° 16' 38.0", N 13° 54' 14.7" E 78° 16' 30.5", N 13° 54' 19.3" E 78° 16' 27.7", N 13° 54' 19.9" E 78° 16' 29.7", N 13° 54' 22.5" E 78° 16' 28.2".	Opencast
245	25112 20005	Cubes & Kerbs	Sri. Shaik Abdul Raheman	S/o Sri. GouseMohaddin, D.No. 2-500-2, Vemuluripadu Village, Aminabad Post, Pirangipuram Mandal, Guntur District, Andhra Pradesh State	3663/QL-ATP/2020, Dated: 25-05-2022	1.946	W	Non-Captive	SEIAA/AP/ANT/MIN/4/2021/ 2021/3112/165.41 & 162.37-777, dt:21.09.2021	N 13° 55' 42.18202" E 78° 14' 30.95888", N 13° 55' 36.63764" E 78° 14' 27.28093", N 13° 55' 44.78574" E 78° 14' 32.16451", N 13° 55' 48.69841" E 78° 14' 36.12552", N 13° 55' 47.82801" E 78° 14' 34.19369", N 13° 55' 36.66377" E 78° 14' 28.11941", N 13° 55' 39.14346" E 78° 14' 29.47946", N 13° 55' 41.92871" E 78° 14' 31.40737", N 13° 55' 45.70654" E 78° 14' 34.04032", N 13° 55' 44.61187" E 78° 14' 35.69365", N 13° 55' 35.73084" E 78° 14' 29.52845".	Opencast
246	Not submitted Required documents for ID creation	Road Metal, Building Stone and M. Sand	Sri E. Rama Chandra Reddy	Sri E. Rama Chandra Reddy, S/o Sri.PeddaBoreddy, H.No.2-74, S.Lingamdinne, Allagadda, Kurnool District , A.P. State.	1262/QL-ATP/2021, Dated:09-03-2022.	4.990	W	Non-Captive	SEIAA/AP/ANT/MIN/7/3362/ 2021/169.10/166.05, dt:06.01.2022	N 13° 50' 10.91153" E 78° 11' 59.08994", N 13° 50' 12.08114" E 78° 11' 10.64031", N 13° 50' 07.15395" E 78° 11' 12.21917", N 13° 50' 04.58489" E 78° 11' 12.72789", N 13° 50' 04.33292" E 78° 11' 09.39961", N 13° 50' 06.91876" E 78° 11' 08.92466", N 13° 50' 09.26942" E 78° 11' 59.04421".	Opencast
247	12112 20708	Black Granite	Sri N. Murali Samu	S/o Natesan, residing at D.No.10, Station Road, Opp. Court, Robberstonpet, Kolar Gold Filed – 563122, Karnataka State	30015/D11-ATP/2017, Dated:21-09-2022	2.000	W	Non-Captive	SEIAA/AP/ANT/MIN/10/2020 /2224-111, dt: 14.06.2021 for a quantity of 4365 Cbm.	N 13° 48' 20.65" E 78° 11' 33.48", N 13° 48' 19.06" E 78° 11' 22.21", N 13° 48' 21.27" E 78° 11' 21.62", N 13° 48' 21.29" E 78° 11' 21.89", N 13° 48' 22.12" E 78° 33' 33.37", N 13° 48' 21.09" E 78° 11' 33.44".	Opencast
248	Not submit	Black Granite	M/s Sri Tanisha	S/o Thiyagarajah, D.No.46-A/87, Velu	3313/D11-ATP/2022,	1.991	W	Non-Captive	Order No.SIAA/AP/ANT/MIN/07/20	N 13° 53' 59.04 E 78° 12' 11.87", N 13° 53' 58.00" E 78° 12' 08.02", N 13° 53' 57.03" E	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp. working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
	tted Requ red docu ment s for ID creati on		Granites,	Street, Dadagapatty, Salem District, Tamilnadu State - 636006.	Dated: 22-09- 2022				22/ 4437/192.25&189.24, dt:03.08.2022 is valid a period of 19.35 years	78° 12' 08.66", N 13° 53' 57.17" E 78° 12' 07.35", N 13° 53' 58.01 E 78° 12' 06.97", N 13° 53' 56.64 E 78° 12' 03.32", N 13° 53' 55.30" E 78° 12' 03.68", N 13° 53' 54.68" E 78° 12' 04.57", N 13° 53' 54.30" E 78° 12' 05.97", N 13° 53' 56.46" E 78° 12' 11.54".	
249	Not submi tted Requ red docu ment s for ID creati on	Quartz & Feldspar	M/s Sri Sai Narasimh a Minerals,	S/o Sri Malakonda Reddy, D.No.2/326, Akkayapalli Near DM&HO Office, Akkayapalli, Kadapa YSR District, Andhra Pradesh State	5184/D11- ATP/2018, Dated: 22-06- 2022	2.472	W	Non- Captive	SEIAA/AP/ANT/MIN/01/2022 /3887/176.81/173.47 dt:09.03.2022	N 13° 57' 40.5" E 78° 19' 15.4", N 13° 57' 47.1" E 78° 19' 05.7" N 13° 57' 48.2" E 78° 19' 06.9" N 13° 57' 43.0" E 78° 19' 14.8" N 13° 57' 39.5" E 78° 19' 20.3" N 13° 57' 37.7" E 78° 19' 22.7"	Opencast
250	Not submi tted Requ red docu ment s for ID creati on	Colour Granite	Sri A. Ashwani Kumar	, S/o. Sri A.Satyanarayana, D.No.5-213, SR Naik Nagar, Kutubullapur Road, Ranga Reddy District	2777/D11- ATP/2021, Dated:22-06- 2022	4.478	W	Non- Captive	SEIAA/AP/ANT/MIN/11/2021 /3564/175.74 & 172.52, dt:08.03.2022 is valid a period of 20 years	N 13° 54' 40.75" E 78° 16' 24.58", N 13° 54' 41.51" E 78° 16' 23.91" N 13° 54' 44.79" E 78° 16' 23.84" N 13° 54' 48.49" E 78° 16' 35.05" N 13° 54' 45.82" E 78° 16' 37.49"	Opencast
251	12211 90225	Quartz	M/s Shanumu ka Mines and Minerals, Mg. Part. Smt.	M/s Shanmukha Mines and Minerals, Mg. Part. Bandi Lakshmi Rama Devi, F.No. 303, Shanthi Appartments, Opp. Shivalayam,	203/R4- 1/2017, dt: 08.01.2019	11.493	W	Non- Captive	SEIAA/AP/ANT/MIN/05/201 8-596-767, DT: 14.08.2018 upto 14.21 years	N 14° 35' 42.4" E 77° 51' 27.0", N 14° 35' 37.4" E 77° 51' 28.3", N 14° 35' 47.0" E 77° 51' 57.8", N 14° 35' 50.7" E 77° 51' 58.8", N 14° 35' 46.2" E 77° 51' 13.3", N 14° 35' 44.8" E 77° 51' 18.9",	Opencast

S.NO	Lease ID No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of the Lessee	Mining Lease Grant Order No. & Date	Area of mining lease (ha)	Status (Working/non-working/Temp.p.working for dispatch etc.,)	Captive /Non-captive	Obtained environmental clearance (YES/No), if Yes Letter No. with date of grant of EC	Location of the Mining Lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
			Bandi Lakshmi Rama Devi	Bhagyanagar Colony, Kadapa District.							

Data Source: Assistant Director of Mines and Geology, Sri Sathya Sai District, Andhra Pradesh

The Details of statement showing the letter of intent (LoI) in the district is showing in Table-15:

Table 15: Statement showing the list of the letter of intent (LoI) in the district

Sl. No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of Letter of Intent Holder	Letter of Intent Grant Order No. & date	Area of Mining Lease to be allotted				Validity of LoI	Use (Captive/ Non-Captive)	Location of the Mining Lease (Latitude & Longitude)
1	2	3	4	5	Survey Nos.	Village	Mandal	Extent in Hect	7	8	9
					6						
NIL											

Data Source: Assistant Director of Mines and Geology, Sri Sathya Sai District, Andhra Pradesh

2.4 Details of Royalty in last 3 years

The details of royalty collected in last 3 years in the district is shown in Table-17

Table 16 Details of Royalty in last 3 years

Royalty for 2022-23

S. No.	Mineral	Royalty (in Rs. Lakhs)	Consideration Amt. (in Rs. Lakhs)	DMF (In Rs. Lakhs)	MERIT (in Rs. Lakhs)
1	Black Granite	33.245	16.62	4.156	0.665
2	Building Stone	0.899	0.899	0.27	0.018
3	Colour Granite (Others)	748.173	748.173	93.439	14.95
4	Gravel	0.023	0.023	0.007	0
5	Manufactured Sand	0.36	0.36	0.108	0.007
6	Quartz	82.832	82.832	24.85	1.657
7	Road Metal	155.828	155.828	46.736	3.116
8	Road Metal	77.052	77.052	23.116	1.541
TOTAL		1098	1082	193	22

Royalty for 2021-22

S. No.	Mineral	Royalty (in Rs. Lakhs)	Consideration Amt. (in Rs. Lakhs)	DMF (In Rs. Lakhs)	MERIT (in Rs. Lakhs)
1	Black Granite	45.265	11.31625	5.658	0.905
2	Building	0.63	0.315	0.189	0.013

S. No.	Mineral	Royalty (in Rs. Lakhs)	Consideration Amt. (in Rs. Lakhs)	DMF (In Rs. Lakhs)	MERIT (in Rs. Lakhs)
	Stone				
3	Colour Granite (Others)	853.728	426.864	105.417	16.867
4	Manufactured Sand	14.7	7.35	4.41	0.294
5	Manufactured Sand	0.207	0.1035	0.062	0.004
6	Pyrophyllite	6.066	3.033	1.82	0.121
7	Quartz	64.53	32.265	19.359	1.291
8	Road Metal	160.437	80.2185	48.131	3.209
9	Road Metal	66.816	33.408	20.045	1.336
TOTAL		1212	595	205	24

Royalty for 2020-21

S. No.	Mineral	Royalty (in Rs. Lakhs)	DMF (In Rs. Lakhs)	MERIT (in Rs. Lakhs)
1	Black Granite	67.34	8.389	1.342
2	Building Stone	0.6	0.18	0.012
3	Colour Granite (Others)	1145.412	143.177	22.908
4	Manufactured Sand	7.2	2.16	0.144
5	Pyrophyllite	22.654	6.796	0.453

S. No.	Mineral	Royalty (in Rs. Lakhs)	DMF (In Rs. Lakhs)	MERIT (in Rs. Lakhs)
6	Quartz	60.812	18.244	1.216
7	Road Metal	90.217	27.065	1.804
8	Road Metal	67.286	20.186	1.346
9	Road Metal/Building Stone/Rough Stone	18.9	5.67	0.378
TOTAL		1480	232	30

Data Source: District Mines and Geology Officer, Sri Sathya Sai District, Andhra Pradesh

2.5 Details of Production in last 3 years

The details of production in last 3 years in the district is shown in Table-18.

Table 17 Details of Production in last 3 years

Production for 2022-23

S. No.	Mineral	Unit	Production (in MT)
1	Black Granite	Cubic Meter	1126.965
2	Building Stone	Cubic Meter	0
3	Colour Granite (Others)	Cubic Meter	28994.868
4	Gravel	Cubic Meter	10
5	Manufactured Sand	MT	587.43
6	Quartz	MT	91286.62

S. No.	Mineral	Unit	Production (in MT)
7	Road Metal	MT	258006.91
8	Road Metal	Cubic Meter	81087.16

Production for 2021-22

S. No.	Mineral	Unit	Production (in MT)
1	Black Granite	Cubic Meter	1667.572
2	Building Stone	Cubic Meter	700
3	Colour Granite (Others)	Cubic Meter	33850.599
4	Manufactured Sand	MT	22873.23
5	Manufactured Sand	Cubic Meter	225
6	Pyrophyllite	MT	3013.04
7	Quartz	MT	71518
8	Road Metal	MT	265478.41
9	Road Metal	Cubic Meter	71555.96

Production for 2020-21

S. No.	Mineral	Unit	Production (in MT)
1	Black Granite	Cubic Meter	2493.505
2	Building Stone	MT	68
3	Colour Granite (Others)	Cubic Meter	45876.373

S. No.	Mineral	Unit	Production (in MT)
4	Manufactured Sand	MT	10822.07
5	Pyrophyllite	MT	10963.11
6	Quartz	MT	66984
7	Road Metal	MT	148322.02
8	Road Metal	Cubic Meter	74659
9	Road Metal/Building Stone/Rough Stone	Cubic Meter	980

Data Source: District Mines and Geology Officer, Sri Sathya Sai District, Andhra Pradesh

2.6 Impact on environment

The extraction and utilization of minor minerals have become integral to our modern way of life, fueling infrastructure development, construction, and various industries. However, the impact of these activities on the environment cannot be underestimated. Minor minerals, which include granite, road metal, gravel, clay, and more, play a significant role in shaping the natural landscape and ecosystems. The various environmental consequences associated with the extraction and use of minor minerals are:

- i. **Habitat Destruction:** The mining of minor minerals often entails the removal of topsoil and vegetation, leading to habitat destruction. This can disrupt ecosystems, displace wildlife, and threaten the survival of numerous species. Loss of biodiversity is a significant concern in regions with extensive mining operations.
- ii. **Land Degradation:** Mining activities can lead to land degradation, including soil erosion and compaction. This not only reduces the land's fertility but also affects its ability to support agriculture and vegetation growth. Moreover, land degradation

can contribute to increased vulnerability to natural disasters like floods.

- iii. **Water Pollution:** Mining operations can contaminate nearby water bodies through the discharge of sediments, chemicals, and heavy metals. This pollution can have detrimental effects on aquatic life, disrupt local hydrology, and compromise the quality of water available for human consumption.
- iv. **Air Quality:** Dust emissions from mining sites can deteriorate air quality in surrounding areas. The fine particles and pollutants released during excavation and transportation of minor minerals can pose health risks to both workers and nearby communities.
- v. **Regulatory Challenges:** Enforcing regulations and monitoring mining activities in remote or unregulated areas can be challenging, allowing illegal and unsustainable practices to persist.

The extraction and utilization of minor minerals are essential for economic development, but they come at a cost to the environment. Recognizing the environmental impacts of these activities is crucial for sustainable resource management.

2.7 Remedial Measures

The provisions of Rule 12 (1) and Rule 12 (5) and of Andhra Pradesh Minor Mineral Concession Rules, 1966 allows the State Government to issue the Letters of Intent with the stipulated conditions to submit Approved Mining Plan (AMP), Environment Clearance (EC) and Consent for Establishment (CFE) for grant of lease.

Mine Plan stipulate the maximum permissible annual production of the mineal from the designated lease area and also includes estimated quantum of solid waste generation and its method of disposal, etc. Based on the Approved Mine Plan projections, Environment Management Plan shall be prepared and SEIAA makes the decision to grant the EC based on the EMP.

Leaseholders commit to all the remedial measures in the Mining Plan and the State Environment Impact Assessment Authority (SEIAA)

ensures the remedial measures are being adhered to during the tenure of the Environmental Clearance.

Leaseholders in the district have adopted various remedial measures to mitigate the impact of mining on the environment. These measures aim to reduce the environmental footprint of mining operations and address the associated challenges. Some common practices include:

- i. **Environmental Impact Assessments (EIAs):** Leaseholders conduct comprehensive EIAs to evaluate the potential environmental consequences of mining projects. They shall use this information to develop mitigation strategies.
- ii. **Reclamation and Rehabilitation:** Leaseholders work to restore mined areas by recontouring landscapes, replanting native vegetation, and stabilizing soils to promote ecosystem recovery.
- iii. **Water Management:** Proper management of water resources is crucial. Leaseholders use techniques like sedimentation ponds, water recycling, and water treatment facilities to minimize water pollution and ensure responsible water use.

The following preventive measures are being followed for minimizing adverse effects on water regime:

- Small Gully checks, gully check dams, silt settling tanks, silt traps, etc. shall be constructed.
- Along all discharge points leaving the mining lease, into the surrounding area, suitable number of filter walls of sufficient lengths shall be erected across the flow, at intervals, all along the length to prevent suspended solids entering the surrounding streams/ drains/ water courses, to confine the discharge water quality to the permissible limits.
- Regular monitoring may be carried out and further remedial steps as may be necessary may be taken.

- iv. **Waste Management:** Effective management of mining waste, such as tailings and slag, involves containment in secure facilities to prevent soil and water contamination. Advances in waste disposal technologies are also being explored.

Steps being followed for effective waste management:

- Implementation of practices to minimize waste generation at the source. This involves optimizing extraction techniques, reducing overburden removal, and improving resource utilization.
 - Encouraging recycling and reuse of waste materials wherever possible within the mining operation.
 - Selection of an appropriate disposal methods based on waste characteristics and environmental considerations. Common methods include landfilling, controlled dumping, and backfilling.
 - Treatment of contaminated water and effluents using appropriate technologies before discharge.
- v. **Afforestation:** Leaseholders carry out a year-wise afforestation plan for the initial years with detailed costing of each plant, its maintenance per piece, etc.

While these measures represent positive steps toward mitigating environmental impact, it's important to note that the effectiveness of these practices can vary widely depending on factors such as the location, scale, and specific mineral being mined. Continuous improvement and adaptation are essential in the mining industry's ongoing efforts

2.8 Reclamation Measures

As per Rule 7A (ii) of Andhra Pradesh Minor Mineral Concession Rules, 1966, Mine Closure Plan shall be submitted by the leaseholder before 6 months of expiry of the lease in the proforma as prescribed by the Director. The Deputy Director concerned shall approve the mine closure plan and ensure compliance of conditions of the approved mine closure plan before expiry of the lease period.

Financial assurance of Rs.50,000/- (Rupees Fifty Thousand) for the quarry lease granted below five(5) hectares and Rs.10,000/- (Rupees Ten

Thousand) per Hectare or part thereof for the quarry lease granted five (5) hectares and above, shall be submitted in the form of deposit. If the leaseholder does not reclamate the area as mentioned in the Mine Closure Plan, the deposit shall be forfeited, and the Department of Mines & Geology ensure the proper implementation of the Mine Closure Plan.

2.9 Risk Assessment & Disaster Management Plan

Leaseholders conduct comprehensive risk assessment, prepare a model disaster management plan and submit in the Mining Plan.

The leaseholders maintain and arrange following resources at the mine site:

- a) Firefighting equipment
- b) Ambulance services with location
- c) List of volunteer organizations
- d) List of Civil, Police and other authorities to be informed in case of an accident
- e) List of mobile crane operators (Government, Public Sector, and Private Sector).
- f) List of mines, contacts, facility available nearby
- g) List of first aiders and contacts.
- h) List of Officers of DGMS to be informed in case of serious accidents
Concerned DGMS officers concerned is displayed at the mine head.

The leaseholders shall monitor the total execution of the disaster management plan. The resources of all departments including men and material are being promptly made available. They are also conducting regular mock rehearsals with their staff to update the risk register and accordingly, disaster management plan

Mineral Regulatory:

The important functioning of District Mines and geology Officer, Srikakulam are:-

1. Achievement of Targets of Mineral Revenue collections being fixed to this office annually

2. Receiving and processing of the Mineral Concession Applications duly conducting the Technical inspection, Survey and demarcation of the Mineral bearing applied areas
3. Execution and Regulation of the operations of the Mining / Quarry leases in accordance with the Acts and Rules
4. Issuing of dispatch permits duly collecting the Advance Royalty / Seig.fee from the lease holders on the minerals produced and intend to dispatch from their leased areas through online permit system
5. Controlling the illegal Mining / Quarrying and transportation by conducting the periodical inspections of the Mines and Quarries and also conducting the surprise vehicular checking and imposing the penalties
6. Finalisation of Demand, Collection and Balance statements of the leases on annual basis

2.10 Plantation & Green Belt Development

Leaseholders are complying with the plantation and green belt development programmes as committed in their Mining Plans.

CHAPTER III: SAND

3.1 Sand Mineral Resources of the Sri Sathya Sai District

3.1.1 General Sand Mineral Details Sri Sathya Sai District

(Prepared as per Sustainable Sand Mining Management Guidelines 2016 & 2020) (Data Source: Assistant Director of Mines and Geology, Sri Sathya Sai District, Andhra Pradesh. Sri Sathya Sai district is having only 3rd order streams. The details of the sand production and revenue collected in the district is shown in Table-19.

Table 18 Details of Production of Sand in Last three years in the District

Year	Production (In MTs)	Revenue Generated (In Rs)
2020-21	--	--
2021-22	448567	3,94,73,896
2022-23	240988	2,12,06,944

Data Source: District Mines and Geology Officer, Sri Sathya Sai District

3.1.2 River Basins in Sri Sathya Sai District

The Pennar river basin mainly covered in Sri Satyasai district and partially covered with HagariVedavati basin. The Pennar river tributaries are Chitravathi and Papagni rivers in the district. The Pennar and Chitravathi rivers are rises near Nandidurg hills in the Karnataka state and enters into Andhra Pradesh near Hindupur and Chilamaturu mandals in Sri Satyasai district. The Chitravathi and Pennar rivers joining at Gandikota reservoir, Gandikota in YSR Kadapa district. The Papagni river rises near Nandi Hills of Chikkaballapur district in Karnataka State and enters into Andhra Pradesh near Chakrayapet, Rayachoti Assembly Constituency, Annamayya district.

The Chitravathi, Papagni and Upper Pennar river basin areas are 4,769.70 Sq.km, 1,373.13 Sq.km and 1,588.39 Sq.km respectively. The district having total number of tanks including ponds and minor irrigation tanks 2,384. The district is divided into two major river basins and six minor river basins, further divided into 59 Nos of sub basins and also 638 Nos of cascades. The Hydrological units of Sri Satyasai district is shown in Table-20 and Figure-21, Drainage system with description of main rivers is shown in Table-21, Salient features and altitudes origin of rivers is shown in Table-22 and rivers lengths of Sri Satya Sai district is shown in Table-23.

Table 19 Hydrological units of Sri Sathya Sai District

S.No	Major Basin	Minor Basin	Catchment Area (Sq.km)	No of. Sub Basins	No of. Cascades	No of. Tanks
1	Krishna	HagariVedavathi	679.12	4	61	232
2	Pennar	Chitravathi	4,769.70	24	304	1,146
3		Middle Pennar Part-I	118.72	3	10	24
4		Papagni	1,373.13	13	124	556
5		Tadakaleru	407.71	4	40	77
6		Upper Pennar	1,588.39	11	99	349
Total			8,936.78	59	638	2,384

Data source: APSAC, Vijayawada

Table 20 Drainage System with Description of main rivers

S.No	Name of the River	Area Drained (Sq.Km)	% of Area Drained in the District
1	HagariVedavathi	683.00	7.61
2	Papagni	1378.27	15.36
3	Tadakaleru	410.52	4.58
4	Chitravathi	4783.99	53.33
5	Upper Pennar	1596.58	17.80
6	Middle Pennar Part-I	118.70	1.32

Data source: APSAC, Vijayawada

Table 21 Salient Features of Important Rivers in Sri Sathya Sai District

S.No	Name of the River	Place of Origin	Altitude at Origin (m)
1	HagariVadavathi	Bababudangiri Mountains of Karnataka State	360
2	Pennar	Nandi Hills, Chikballapur District, Karnataka State	1,500
3	Papagni	Nandi Hills, Chikballapur District, Karnataka State	792
4	Chitravathi	Nandi Hills, Chikballapur District, Karnataka State	905
5	Madduleru	Somarajumala RF, Obuladevaracheruvu mandal in Sri Satya Sai district	1,103

Data source: APSAC, Vijayawada

Table 22 River Lengths in Sri Sathya Sai District

S.No	Name of the Major Basin	Name of the Minor Basin	Name of the River	River Length in Km
1	Krishna	HagariVedavathi	Suvarnamukhi River	12.69
2	Pennar	Chitravathi	Chitravati River	153.78
3			ErraVanka	21.61
4			JilledubandaEru	36.15
5			Madduleru River	91.43
6			PaleruVanka	34.38
7			SomavatiNadi	27.10
8			Vangaperu	33.71
9			Papagni	KaletiVanka
10		Papagni River		13.78
11		Tadakaleru	PandamEru	1.74
12			RamagiriVanka	12.83
13		Upper Pennar	Pennar River	25.76
Total				501.36

Data source: APSAC, Vijayawada



3.1.3 Process of Deposition of Sediments in the Rivers of the District

Sediment transport is a natural process, and many have argued that the point of rivers is to move sediment downstream. However, with land use changes, e.g., deforestation and construction; agricultural practices; and development activities, accelerated erosion rates is ubiquitous. Sediment in the water column reduces transparency and can be deposited downstream and exacerbate flooding. Three principal sources of sediment are the following:

Sediment transport is the movement of organic and inorganic particles by water. In general, the greater the flow, the more sediment that will be conveyed. Water flow can be strong enough to suspend particles in the water column as they move downstream, or simply push them along the bottom of a waterway. Transported sediment may include mineral matter, chemicals and pollutants, and organic material. Another name for sediment transport is sediment load. The total load includes all particles moving as bedload, suspended load, and wash load.

Bedload

As the name suggests, this element of sediment movement consists of loose, granular particles at the sediment-water interface (such as a stream bed or tidal flat). Air or water that moves across the bed will begin to move grains if the flow velocity is great enough to overcome the force of gravity and any resistance at grain contacts. This is the **threshold velocity** (Figure-22).

The bedload contains two main components:

- the **traction load**, or traction carpet, and
- the **saltation loads**.

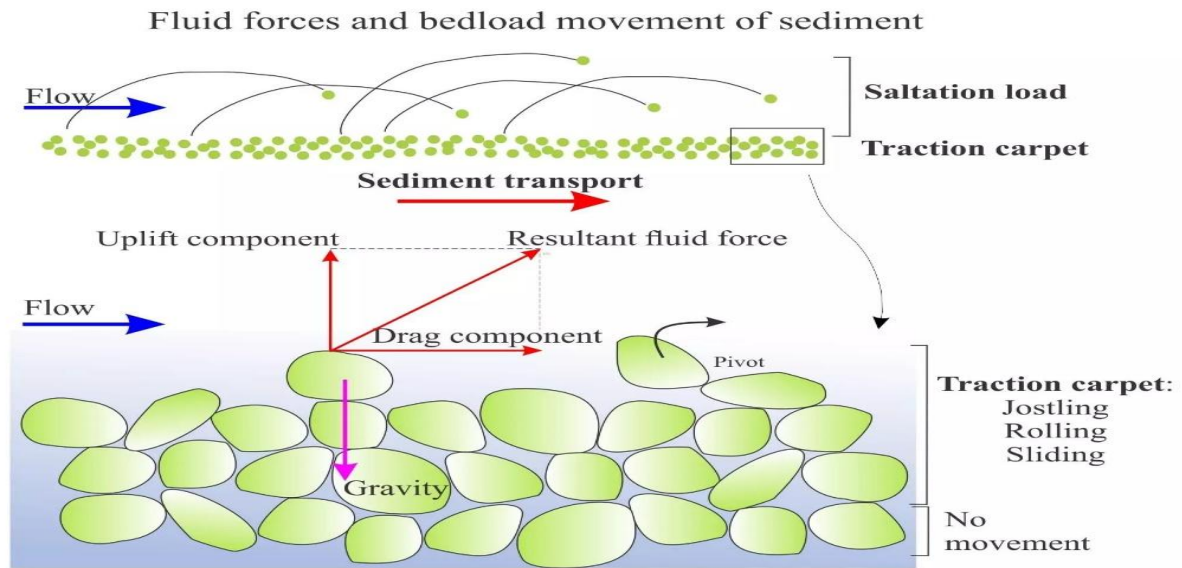


Figure-22: Bedload Movement of Sediment

The various components of force involved in initiation of grain movement are shown above. Here, fluid flowing over a sediment bed produces shear stresses that can be resolved into a component of drag (parallel to the bed) and a lift component normal to the bed. At the threshold velocity when the resultant fluid force on grains is greater than gravity, grains begin to roll, slide and jostle along the bed like a moving carpet – the **traction carpet**.

Suspended Load Most natural flows in rivers, shallow marine settings and air are turbulent. Even at low-flow velocities, the speed and trajectories of flow can vary considerably – witness the eddies and boils in seemingly tranquil streams. Very fine particulate sediment (particularly clays) can be kept in suspension for long periods by turbulence; the stresses generated by turbulent flow balance or overcome the gravitational force acting on the particles.

If turbulence decreases significantly, for example when a river empties into a lake, then most particles will gradually settle to the sediment bed. The rate at which a particle settles out of suspension is called the **settling velocity**, where the force of gravity (downwards) exceeds the combined effects of upward-directed **buoyancy forces** acting on a grain and the drag on a particle caused by **fluid (viscous) resistance**. Thus, the rate of settling depends on the size, shape and density of particles, and the viscosity of the fluid. In general, settling through air is much more rapid than through water.

Both bedload and suspension load are important processes in the generation of sedimentary structures. In particular, bedload transport of loose sand is the critical process for growth of bedforms and their internal cross-stratification (crossbedding). The description of **bedforms** (crossbeds) and the flow conditions (**flow regime**) under which they form have been described in other posts (Figure-23).

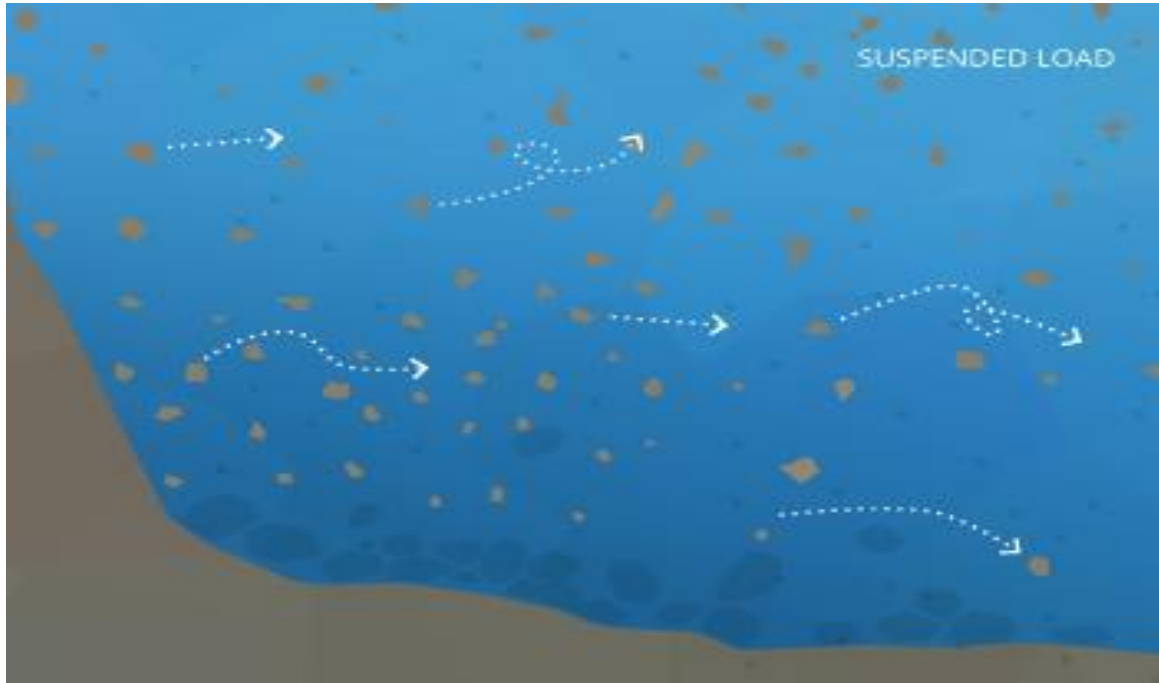


Figure-23: Sediment Load

Wash Load

The wash load is the portion of sediment that will remain suspended even when there is no water flow. The wash load is a subset of the suspended load. This load is comprised of the finest suspended sediment (typically less than 0.00195 mm in diameter). The wash load is differentiated from the suspended load because it will not settle to the bottom of a waterway during a low or no flow period. Instead, these particles remain in permanent suspension as they are small enough to bounce off water molecules and stay afloat. However, during flow periods, the wash load and suspended load are indistinguishable. Turbidity in lakes and slow-moving rivers is typically due the wash load 8. When the flow rate increases (increasing the suspended load and overall sediment transport), turbidity also increases. While turbidity cannot be used to estimate sediment transport, it can approximate suspended sediment concentrations at a specific location ((Figure-24).

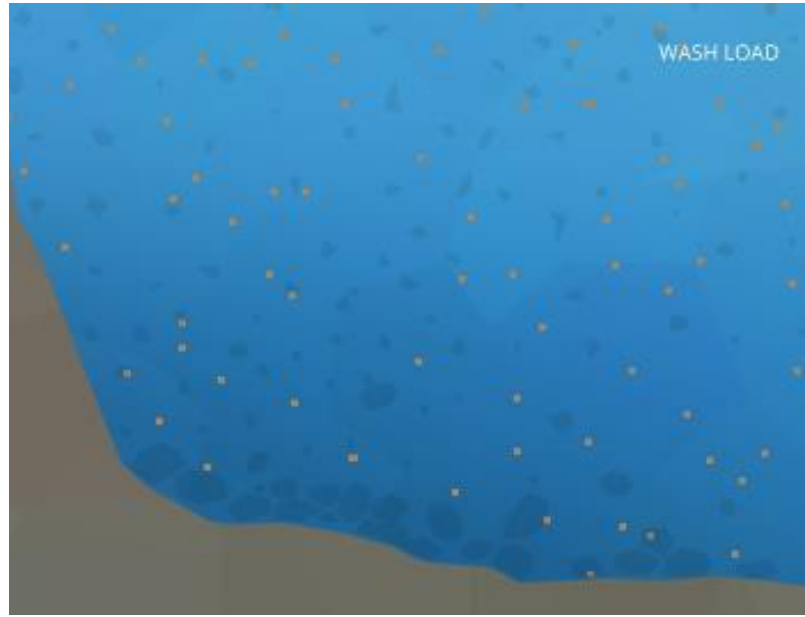


Figure-24: Wash Load

Settleable Solids

The suspended particles that fall to the bottom of a water body are called settleable solids. As they are found in riverbeds and streambeds, these settled solids are also known as bedded sediment. The size of settleable solids will vary by water system – in high flow areas, larger, gravel-sized sediment will settle out first. Finer particles, including silt and clay, can be carried all the way out to an estuary or delta (Figure-25).

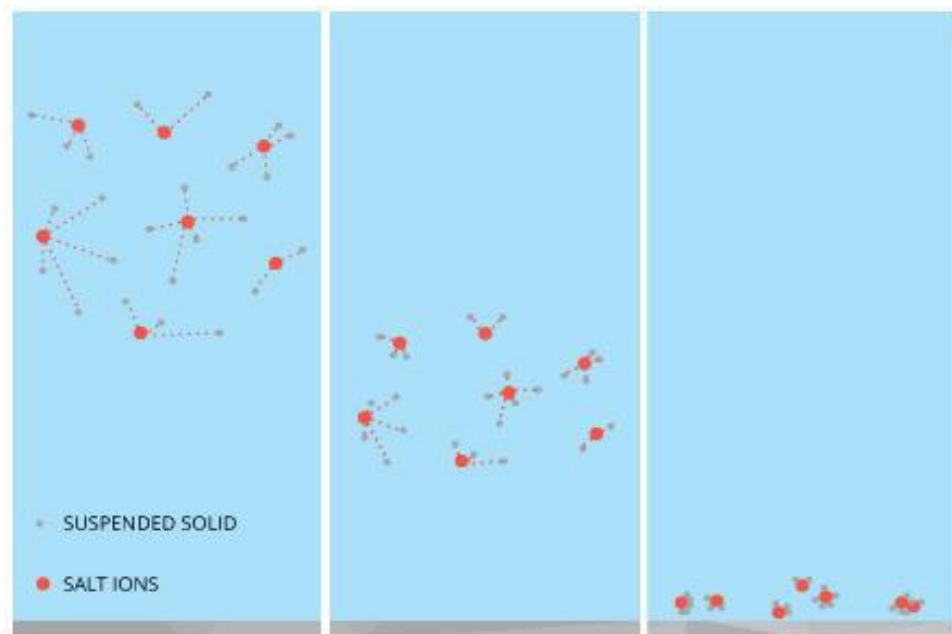


Figure-25: Settleable Solids

Sediment Deposition

Sediment is necessary to the development of aquatic ecosystems through nutrient replenishment and the creation of benthic habitat and spawning areas. These benefits occur due to sediment deposition – when suspended particles settle down to the bottom of a body of water. This settling often occurs when water flow slows down or stops and heavy particles can no longer be supported by the bed turbulence. Sediment deposition can be found anywhere in a water system, from high mountain streams, to rivers, lakes, deltas and floodplains. However, it should be noted that while sediment is important for aquatic habitat growth, it can cause environmental issues if the deposition rates are too high, or too low. Sediment transportation and Deposition depends upon various factors like Slope of the Area, Annual Rainfall, Lithology, flow intensity of River, Geomorphology, Soil, Geology and Land use.

In sediment transport a distinction is generally made between fine and coarse sediment, because the transport mechanisms differ. Coarse sediment (grain size $>63\ \mu\text{m}$) tends to be characterised by particles that remain separate and are chemically inert; fine sediments ($<63\ \mu\text{m}$) on the other hand tend to come together as flocculated populations (flocs) and have the tendency to attract organic material and contaminants to their surface. A great deal has been researched and written about the break up and flocculation of these primary particles under turbulence and subsequent settling (e.g., Uncles et al., 2010). These differences imply important variations in the rate of transport and settling characteristics for the same flow conditions for different sediments. The nature of the physical environment also has an important bearing on this, in that fine sediment tend to be found in sheltered environments (shallow, enclosed estuarine systems), while beaches on open coasts are characterised by coarser materials. This reflects the energy of the water in which the particles become suspended and their subsequent fate.

Rates of transport of material are generally expressed in terms of a flux, as kg/s for example, where this figure is generally obtained by considering the product of the flow rate (in m^3/s) and the concentration of material in suspension (kg/m^3). This does not necessarily imply a requirement for the material to be suspended; it is equally possible to express a bed load using the same units, for example, but it does imply that to obtain an estimate of the sediment flux it is necessary to know both the concentration and the flow rate over a given cross section. Both these quantities can be measured and there are a variety of techniques

available to do this, using insitu collection or sampling, in situ optical or acoustic methods, or remote sensing from aircraft or satellites (Uncles and Mitchell, 2017) (Figure-26)

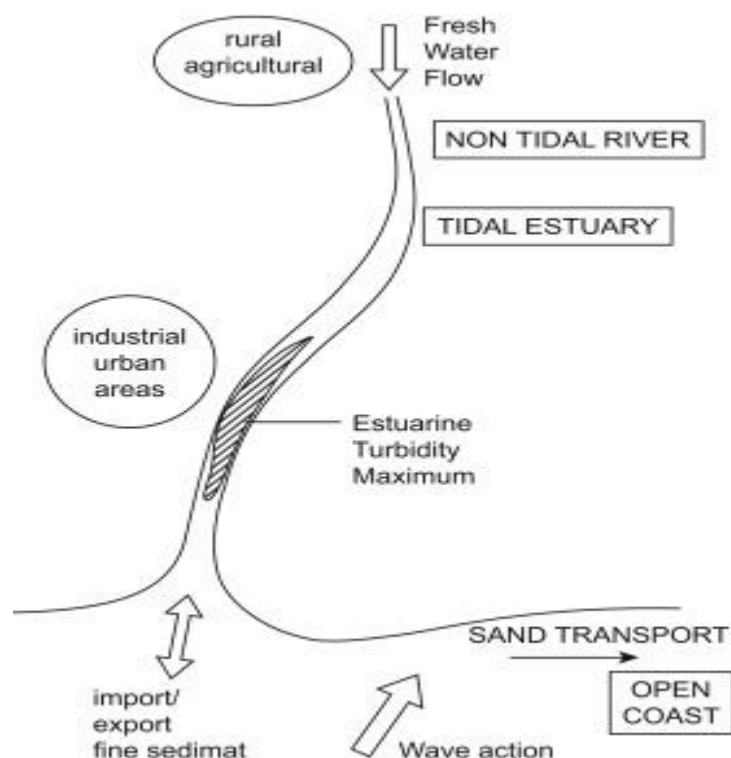


Figure-26: Sediment Deposition Process

Process of Deposition of Sediments in the Rivers of the District Sand is deposited because of the following reasons: (a) Floods: The surface or strip of relatively smooth land adjacent to a river channel constructed (or in the process of being constructed) by the present river in its existing regimen and covered with water when the river overflows its banks at times of high water. It is built of alluvium carried by the river during floods and deposited in the sluggish water beyond the influence of the swiftest current (b) Valley fill: The unconsolidated sediment deposited by any agent so as to fill or partly fill a valley.

3.1.4 Replenishment Study

All the rivers in Sri Sathya Sai district are of 3rd Order streams. The Sand extraction in Sri Sathya Sai District shall be as per Rule 23(1)(a) of AP Water Land and Tree Rules, 2004 where the transportation of sand shall be by means of bullock carts/ Tractors for the local use.

In case, if the sand deposition exceeds 5,000 Cu.Min a part of the stretch, then manual mining shall be permitted after obtaining Statutory

Clearances. the District Collector shall put in place proper administrative mechanism for enforcement of WALTA regulations in extraction and transportation of sand in I, II & III order streams.

Sand extraction is permitted for commercial usage in sand reaches of III Order streams having sand deposition of more than 5,000 Cum, after obtaining AMP, EC, CFE & CFO (G.O. Ms. No. 2, PR&RD Dept, dated 06.01.2022).

3.1.5 Details of Sand Mining Leases:

The rivers Suvarnamukhi, Jayamangali, Papgni, Somavathi, Maddileru and Vangaperu flows in the district through following mandals

Table 23 List of mandals covered by rivers

Sl. No.	Name of the river	List of Mandals covered
1	Suvarnamukhi (3 rd Order)	Rolla & Agali
2	Jayamangali (3 rd Order)	Madakasira, Roddam, Parigi, Hindupuram
3	Papagni (3 rd Order)	Tanakallu & N.P. Kunta
4	Somavathi (3 rd Order)	Gorantla, Nallamada, Amadaguru, Kadiri & O.D Cheruvu
5	Maddileru (3 rd Order)	
6	Vangaperu (3 rd Order)	Gorantla

Data Source: District Mines and Geology Officer, Sri Sathya Sai District, Andhra Pradesh

Table 24 The detail of Potential Sand Mining Leases

Reach Name	Quantity (in MTs)	Remarks	Geo Coordinates
Parigi Sand Reach (Hagiri River)	53850	Proposed	13° 53' 06.5"N 77° 28' 57.4"E 13° 53' 04.1"N 77° 28' 59.6"E 13° 52' 54.2"N 77° 28' 53.7"E 13° 52' 56.9"N 77° 28' 52.02"E
Dampettla Sand Reach (Chitravathi River)	65250	Proposed	14°28'07.97"N 77°52'35.39"E 14°28'05.78"N 77°52'36.43"E 14°28'11.81"N 77°52'53.04"E 14°28'14.50"N 77°52'51.97"E
Seegupalli Sand Reach (Hagiri River)	---	Proposed	13°56'47.21"N 77°28'32.89"E 13°56'51.53"N 77°28'25.39"E 13°56'49.06"N 77°28'24.07"E 13°56'45.06"N 77°28'31.05"E

Nayanipalli Sand Reach (Chitravathi)	---	Proposed	14°36'40.76"N 77°58'44.02"E 14°36'43.06"N 77°58'44.02"E 14°36'47.03"N 77°58'38.02"E 14°36'44.02"N 77°58'36.01"E
--------------------------------------	-----	----------	--

Data Source: District Mines and Geology Officer, Sri Sathya Sai District, Andhra Pradesh

Probable Sand Mining reaches in Sri Sathya Sai district is shown in Table-26. Name of the sand bearing index are given from North to South direction. The Probable Sand bearing areas were identified through field survey with the help of hand held GPS (Global Positional System) and the help of existing literature.

Table 25: Probable Sand bearing in the Sri Satya Sai District

S.No	Name of the River	Sand Bearing Area	Central Coordinates		Area in Ha.
			Latitude	Longitude	
1	Penneru River	A	13° 52' 51.055" N	77° 28' 50.686" E	4.78
2	Penneru River	B	13° 53' 5.510" N	77° 28' 59.038" E	1.86
3	Pinakini River	C	14° 28' 7.332" N	77° 52' 35.906" E	1.46
4	Pinakini River	D	14° 28' 12.951" N	77° 52' 53.518" E	2.93
5	Pinakini River	E	14° 28' 14.185" N	77° 54' 33.433" E	16.72

Data Source: District Mines and Geology Officer, Sri Sathya Sai District, Andhra Pradesh

3.1.6 Details of De-Siltation Location: (Lakes/Ponds/Dams etc.)

The detail of potential of de-siltation location in Sri Sathya Sai District shown in Table-27.

Table 26 List of Potential De-Siltation Location: (Lakes/Ponds/Dams etc.) (Existing and proposed)

De-siltation Points	Quantity (in MTs)	Remarks
C.C. Revu (C), TadimarriMdl.	900000	Proposed
C.C. Revu (D), TadimarriMdl.	210000	Proposed
PeddaChigulla Revu	185469	Existing
Uppalapadu (A)	494361	Existing

Data Source: District Mines and Geology Officer, Sri Sathya Sai District, Andhra Pradesh

3.1.7 Details of Patta Lands in the District:

The detailed list of Patta Lands in the Sri Sathya Sai district is shown in Table-28.

Table 27 Details of Patta Lands.

Owner	Sy. No.	Area (Ha)	District	Tehsil	Village	Total Reserve (MT)	Total Mineral to be mined (MT)	Existing/ Proposed
Nil								

Data Source: District Mines and Geology Officer, Sri Sathya Sai District, Andhra Pradesh

3.1.8 Details of M-Sand Plants in the District:

The details list of Manufacturing Sand in Sri Sathya Sai district shaon in Table-29.

Table 28 Shown Details of Details of M-Sand Plants

Plant Name	Owner	District	Tehsil	Village	Geo-location	Quantity Tonnes/Annum
NIL						
There are no existing M - Sand units under this Sri Sathya Sai office jurisdiction						

Data Source: District Mines and Geology Officer, Sri Sathya Sai District, Andhra Pradesh

3.1.9 Details of Cluster of Sand Mining Leases

The area of Cluster of Mining Leases in Sri Sathya Sai jurisdiction is shown in Table-30.

Table 29 Details Cluster of Mining Leases in Sri Sathya Sai District

Sl.No	Name of the Cluster	Location (Latitude and Longitude)	Extent (in Ha)	Total No. of Mining Leases in the Cluster	No.of Leases working	Extent of the working leases (in Ha)
NIL						

Data Source: District Mines and Geology Officer, Sri Sathya Sai District, Andhra Pradesh

3.1.10 Details of Contiguous Clusters

The area of Contiguous Cluster of Sand Reaches in Sri Sathya Sai jurisdiction shown in Table-28.

Table 30 Details of Contiguous Cluster of Sand Reaches in Sri Sathya Sai District

Sl.No	Name of the Cluster	Location (Latitude and Longitude)	Extent (in Ha)	Total No. of Mining Leases in the Cluster	No.of Leases working	Extent of the working leases (in Ha)
NIL						

Data Source: District Mines and Geology Officer, Sri Sathya Sai District, Andhra Pradesh

3.1.11 Sand Reaches Details in Sri Sathya Sai District

The Department of Mines and Geology has already identified sand reach points in the Sri Satya Sai district. Furthermore, many sand reach points have been identified near the Penneru and Pinakini river areas.

The locations of the sand reach points are provided by the District Mining Office. Based on these location details, the sand reach points are prepared and shown in Figures 27, 28, and 29. Additionally, the sand reach maps are compared between pre-monsoon and post-monsoon seasons, as depicted in Figures 30 and 31. Apart from the existing ones, new sand reaches have been identified and are shown in Figure 32.

Probable sand-bearing areas were identified through field surveys with the assistance of handheld GPS (Global Positioning System) devices and existing literature. The probable sand-bearing areas in the Sri Satya Sai District are depicted in Figure 33.

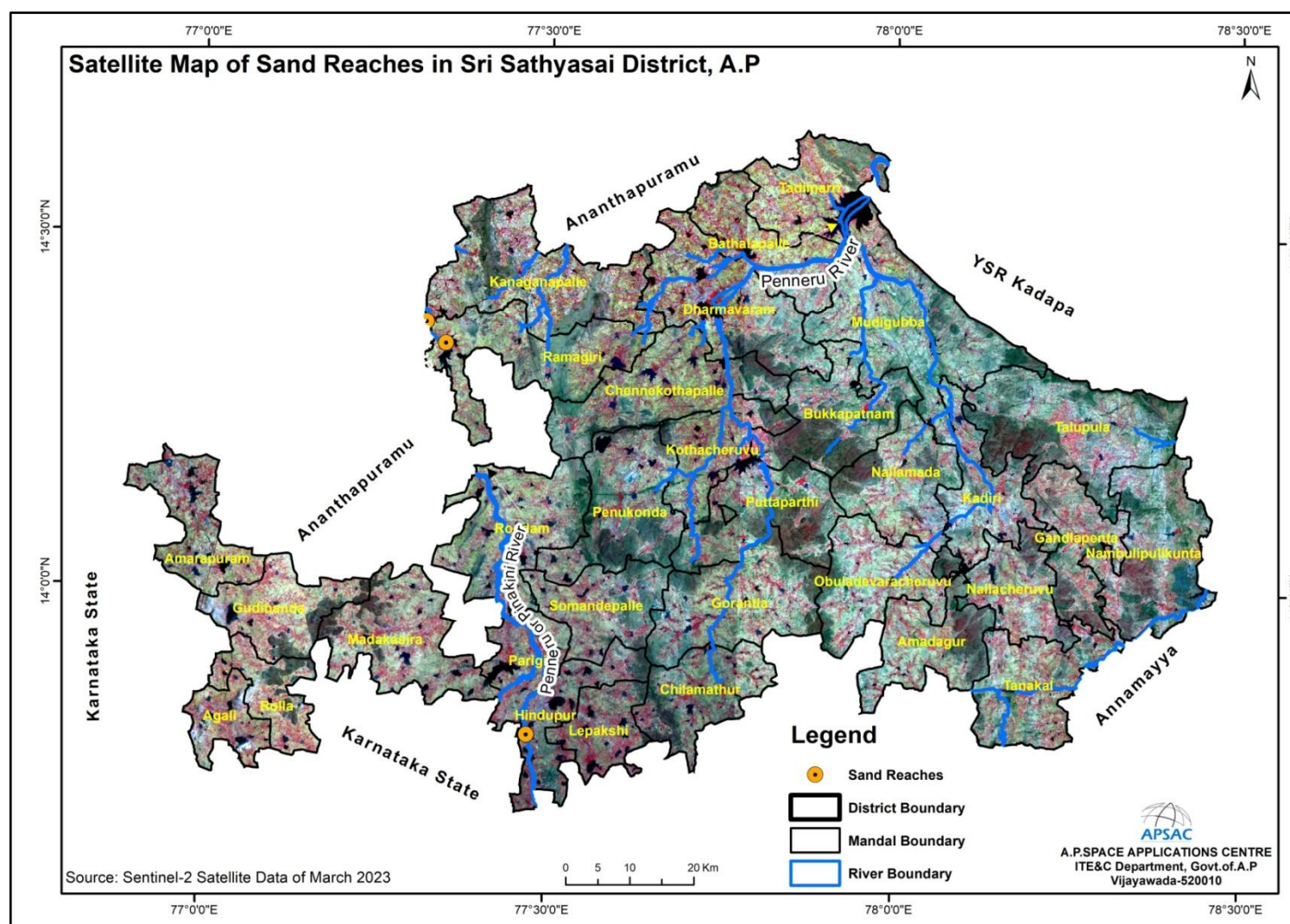


Figure-27: Satellite Map of Sand reaches in Sri Sathya Sai District

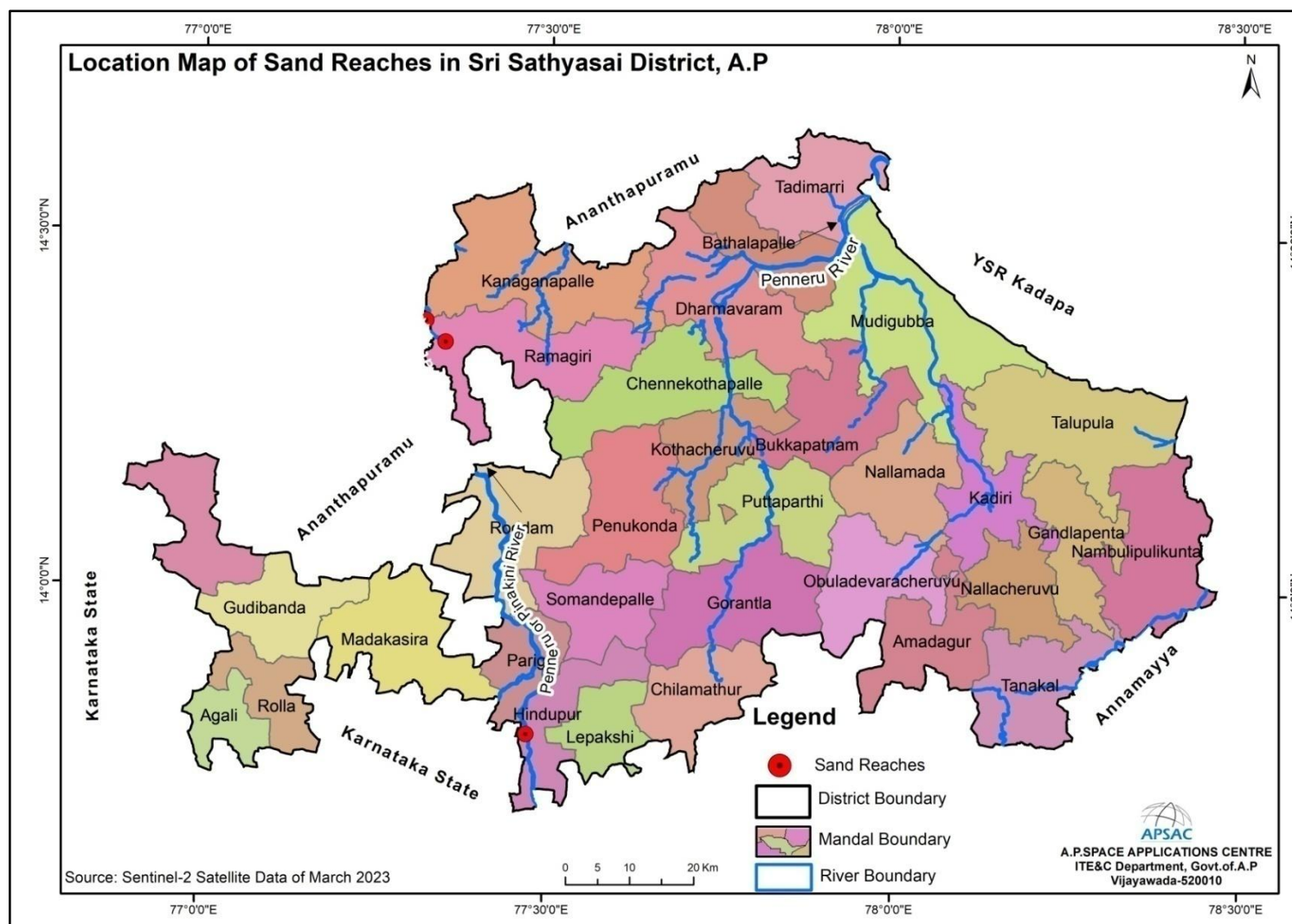


Figure-28: Mandal wise Sand Reaches map in Sri Sathya Sai District

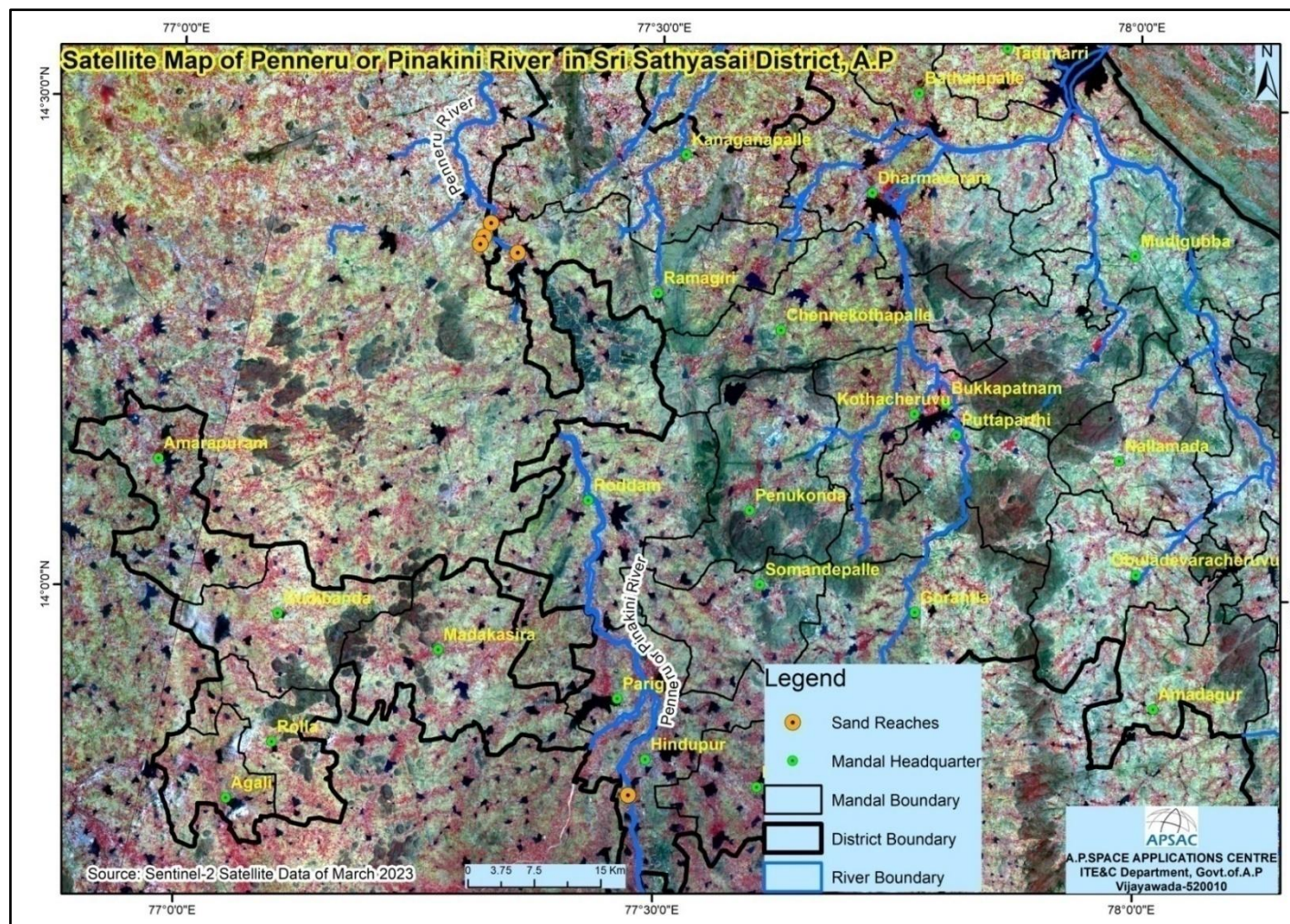


Figure-29:Satellite map of Penner River in Sri Satya Sai District.

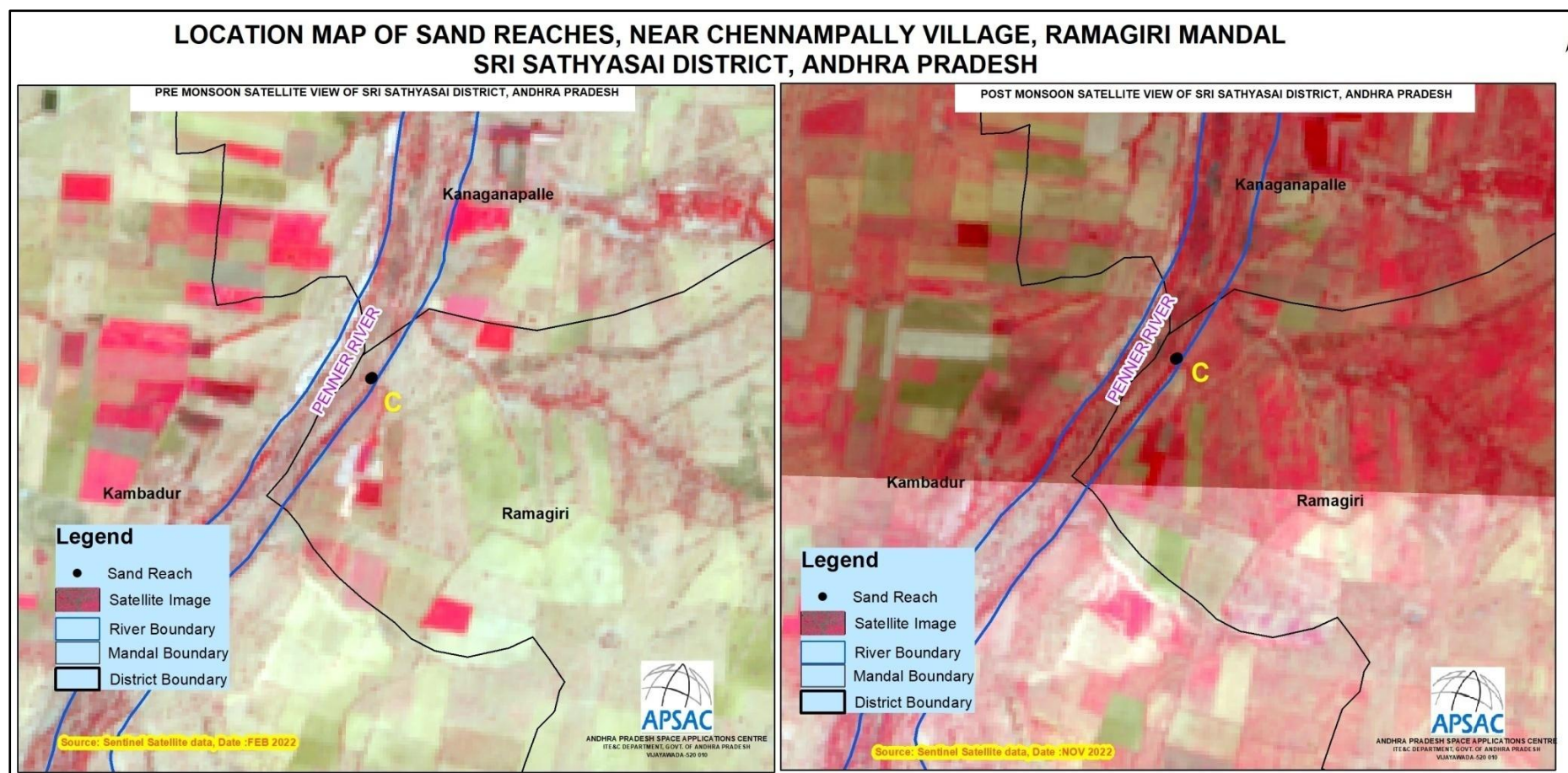


Figure-30:Pre and Post monsoon sand reach point – C

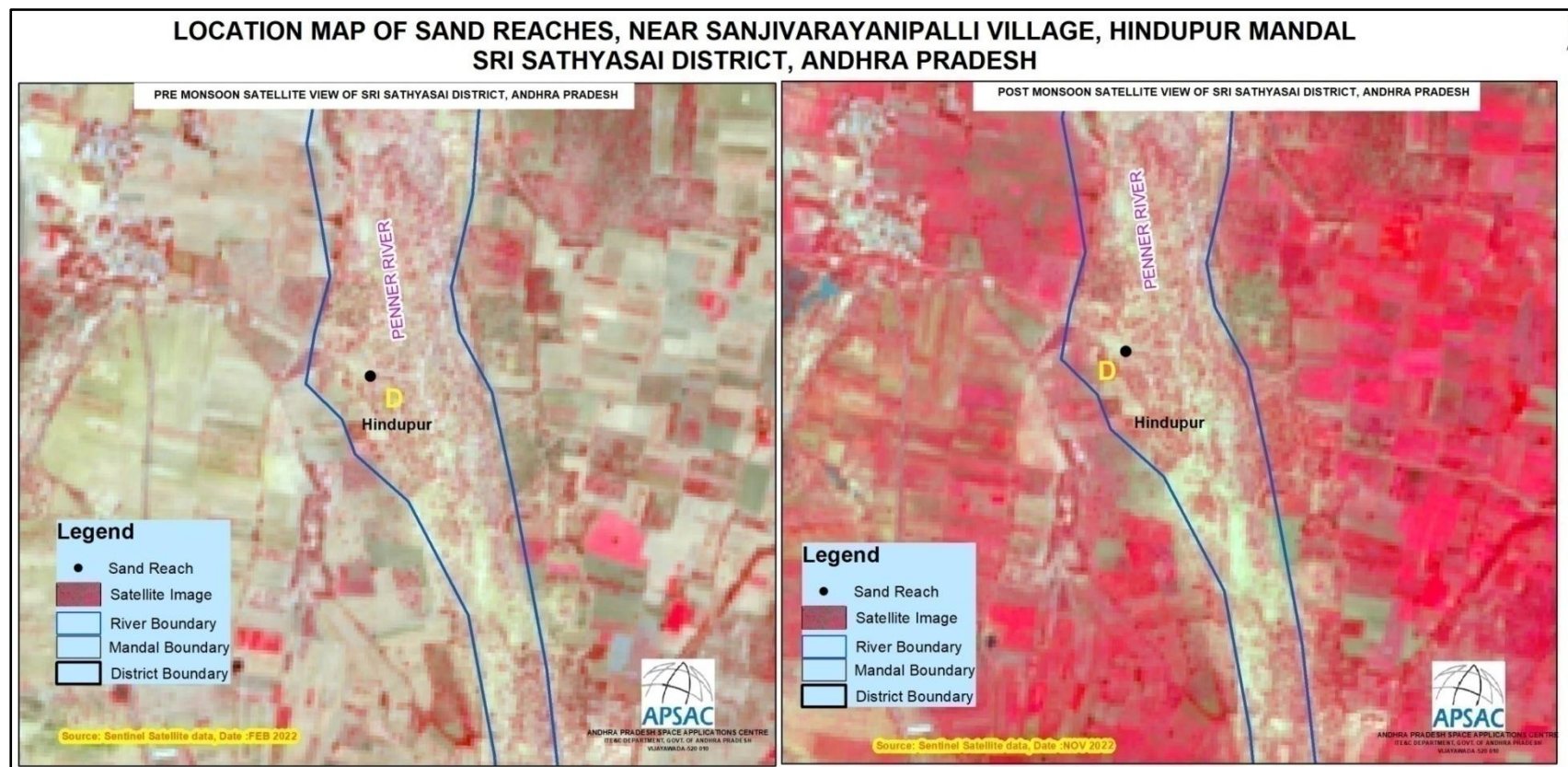


Figure-31:Pre and Post monsoon sand reach point – D

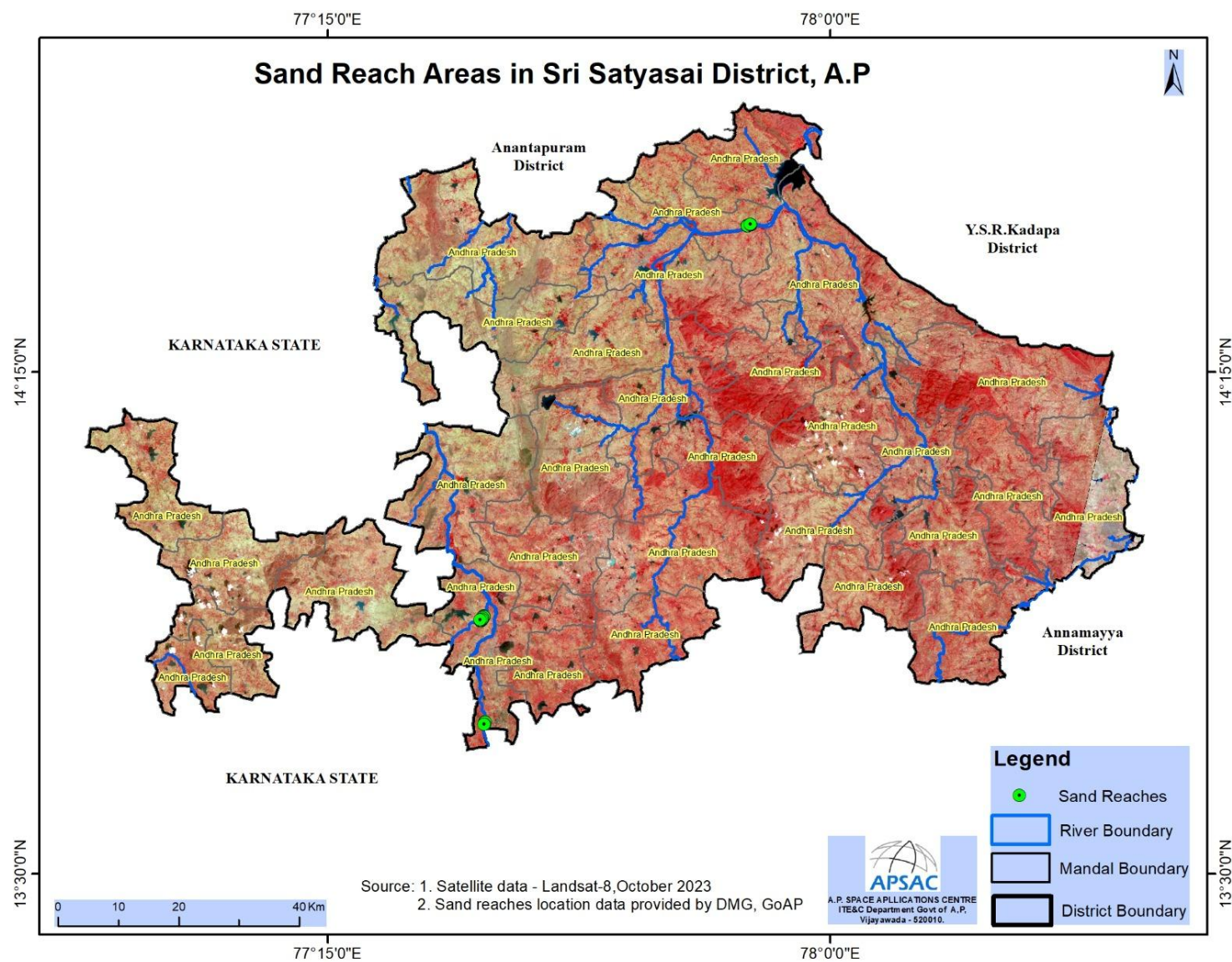


Figure-32: Satellite data of Sand Reaches in Sri Satya Sai District

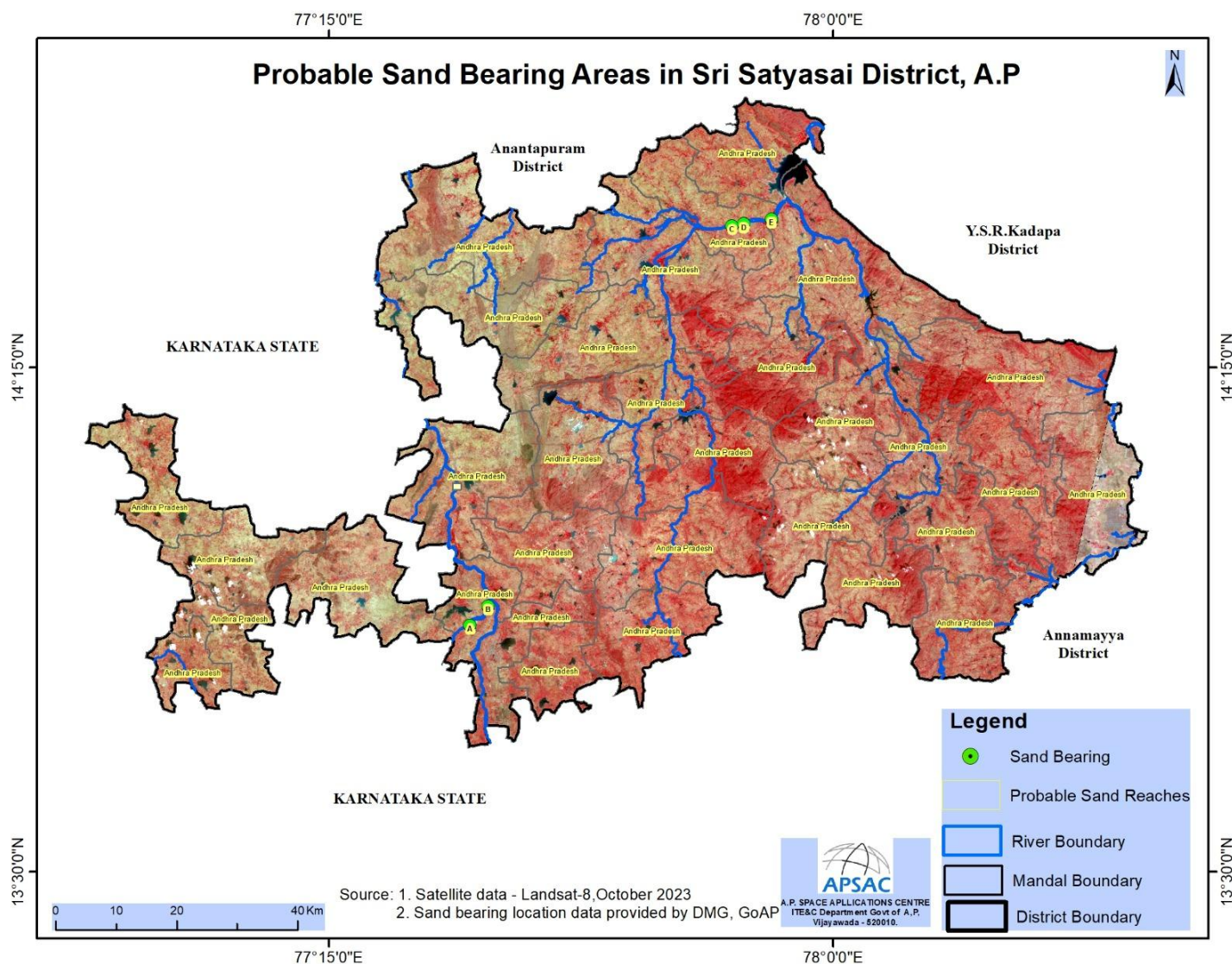


Figure-33: Probable Sand bearing areas in the Sri Satya Sai District

REFERENCES

1. Andhra Pradesh Space Applications Centre (APSAC) (2017a) Identification of potential sites for aquaculture development in coastal districts of Andhra Pradesh using high resolution satellite data, Project Report, 191p.
2. Andhra Pradesh Space Applications Centre (APSAC)(2017b) Ground Water Quality Mapping of Andhra Pradesh, Technical Report, 40p.
3. Dendy, F.E. and Bolton, G.C., 1976. Sediment yield-runoff drainage area relationships in the United States. Journal of Soil and Water Conservation,31,264–266.
4. Directorate of Economics and Statistics (DES) (2015) Handbook of Statistics, Sri Sathya Sai District, Chief Planning Officer,
5. Department of Mines and Geology (DMG) District Survey Report, Sri Sathya Sai District, AP.
6. Enforcement and Monitoring Guidelines for Sand Mining, January 2020.
7. Geological Survey of India (GSI) (2000) District Resource Map, Sri Sathya Sai District, Andhra Pradesh
8. Ground Water Brochure, Sri Sathya Sai District, Andhra Pradesh, Ministry of Water Resources, Government of India
9. National Remote Sensing Agency (NRSA) (2006) Manual of National Land Use Land Cover Mapping Using Multi-Temporal Satellite Data. National Remote Sensing Centre, Department of Space, Government of India, Hyderabad.
10. National Remote Sensing Agency (NRSA)(2007) Ground Water Prospects Mapping Using Remote Sensing Techniques and Geographic Information System, Rajiv Gandhi National Drinking Water Mission Project, Phase-III, Manual, 222p.
11. National Remote Sensing Centre (NRSC) (2009) Space Based Information Support for Decentralized Planning (SIS-DP), Manual, 214p.
12. National Remote Sensing Centre (NRSC) (2011) Ground Water Quality Mapping (RGNDWM), Methodology Manual, 75p.
13. Sustainable Sand Mining Management Guidelines, 2016
14. Sand Mining Framework 2018
15. P. K. Ramam, Mineral Resources of Andhra Pradesh, Geological Society of India, 1999.

17. Uncles, R. J., Mitchell, S. B., Estuarine and Coastal Hydrography and Sediment Transport, ISBN 10: 1107040981 / ISBN 13: 9781107040984, 2017.
18. <http://apsdps.ap.gov.in/RealtimeData/SensorNetwork.html>, AWS and APSDPS, Vijayawada
19. http://www.apsdps.ap.gov.in/WeatherPages/Reports-Publications/Socio-eco/Socio_Economic_Survey_2020-21.pdf
20. NR Census 3rd cycle mapping, NRSC/ISRO and APSAC (2018)
21. Andhra Pradesh Rashtriya Krishi Vikas Yojana-2022-23, GoAP
22. <https://aprdc.ap.gov.in/Documents/DOWNLOADDOCUMENTS/STATE%20SH%20ROADS.pdf>, R and B Department and APSAC, Vijayawada.
23. <https://aptourism.gov.in/>
24. <https://apwrims.ap.gov.in/> (WRD, APWRIMS, Govt. of A.P.)
25. Ground Water Year Book, 2013-14, CGWB, 2013
26. BURA- Specification (2015), FAD 02 (19226)
27. apheritage.blogspot.com
28. <http://wikipedia.com>