

**BEFORE THE NATIONAL GREEN TRIBUNAL (SZ),  
CHENNAI**

**MEMORANDUM OF APPEAL**

(UNDER SECTION 18(1) READ WITH SECTIONS 16 OF THE NATIONAL  
GREEN TRIBUNAL ACT, 2010)

**APPEAL No. 75 of 2021**

SHOUKKATH ALI

: APPELLANT

Vs.

STATE ENVIRONMENT IMPACT

ASSESSMENT AUTHORITY & ORS

: RESPONDENTS

**ADDITIONAL REJOINDER AGAINST THE COUNTER AFFIDAVIT FILED  
BY THE 4<sup>TH</sup> RESPONDENT**

HARISH VASUDEVAN (H-253) [K/779/2013]

*Counsel for Appellant*

**Amicus Advocates**

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Dated this the 28<sup>th</sup> day of October, 2022

  
Counsel for the Appellant

/

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**ADDITIONAL REJOINDER AGAINST THE COUNTER AFFIDAVIT FILED  
BY THE 4<sup>TH</sup> RESPONDENT**

I, Shoukkath Ali, aged 34 years, S/o Muhammed Ali. C, Charalil House, North Paloor, Pulamanthole P.O, Malappuram District, do hereby solemnly affirm and state as follows:

1. I am the appellant in the memorandum of appeal and as such I am conversant with the facts of the case. I am competent to swear this affidavit.
2. It is respectfully submitted that on the 1<sup>st</sup> day of August 2022, a landslide has occurred very near to the quarry site of the 4<sup>th</sup> respondent, in a hillock namely Chirattamala situated in North Paloor and had damaged several residential houses in the downhill. The Ward Member of the Grama Panchayat has inspected the site and informed that the quarrying has triggered the land slide especially the stored water and the pressure due to explosives has created the landslide in the downhill of the quarry site. The



Village Officer has conducted an inspection in the said landslide area, very near to the quarry site of the 4<sup>th</sup> respondent and sent a report to the Revenue Authorities stating the threatening situation in the area in question. The quarrying by using explosives in a steep slope area without any safeguard will cause landslide is a proven fact. True photocopy of the report prepared by the village officer along with its English translation is produced herewith and marked as **Annexure A26.** True photocopy of the newspaper report dated 03.08.2022 appeared in Deshabhimani along with its English Translation is produced herewith and marked as **Annexure A27.**

3. As stated earlier also, the appellant submits that the District Mineral Survey Report has not been scientifically prepared by the SEIAA or the 3<sup>rd</sup> Respondent in accordance with the provisions of the above said notification, till date. Annexure A1 ought to have been considered only on the basis of DSR, prepared strictly in accordance with the EIA notification. There is no whisper of discussion or comment by the 2<sup>nd</sup> Respondent as to the effect that they have considered DSR of Malappuram District while recommending Annexure A8 and granting Annexure A1. DSR is not in the list of documents considered by the 1<sup>st</sup> or 2<sup>nd</sup> Respondent while making Annexure A8 and A10 decisions. On that ground alone, Annexure A1 is illegal and has to be set aside.
4. Moreover, the namesake DSR prepared by the Department of Mining and Geology in the year 2016 for Malappuram district is not in tune with Appendix X of the EIA notification. The DSR of minor minerals other than sand mining or river bed mining shall be prepared in accordance with Clause II of Appendix X of the EIA Notification. The areas prone to natural hazards like landslides are not specifically identifiable in the namesake DSR prepared. Since, there is an absence of a duly prepared DSR for Malappuram district, the 1<sup>st</sup> respondent is not empowered to grant any EC. The appellant had earlier produced only the relevant pages of the DSR of



Malappuram district in the memorandum of appeal as Annexure A23. The appellant is producing the entire copy of the DSR of Malappuram district before this Tribunal for establishing his case. A true photocopy of the full and complete set of the DSR prepared in November, 2016 for Malappuram district is produced herewith and marked as Annexure A28.

5. The allegation that the 2<sup>nd</sup> respondent has not gone into the details of the environmental impact of the quarry project in question and that the appraisal was not properly done especially on the ground of suppression of material facts, have now come true and the persons like the appellant are now suffering the illegal grant of Annexure A1 EC. Any further quarrying activity in the area in question will cause further destabilization of the area and cause severe landslides as happened in the last month, and may endanger the lives of the people who are living in the downhill. On that ground alone, the impugned EC has to be set aside and to be reconsidered based on the proper facts and information and with a proper appraisal of the same.

All the facts stated above are true to the best of my knowledge, belief & information.

Dated this the 28<sup>th</sup> day of October, 2022

  
DEPONENT

Solemnly affirmed and signed before me by the deponent whom I know on this the 28<sup>th</sup> day of October, 2022 in my office at Ernakulam.

  
Harish Varadachari  
ADVOCATE

4

**VERIFICATION**

I, Shoukkath Ali, aged 34 years, S/o Muhammed Ali. C, Charalil House, North Paloor, Pulamanthole P.O, Malappuram District, do hereby verifies that the contents of the above paragraphs 1 to 5 are true to the best of my knowledge and I have not suppressed any material facts.



**SIGNATURE OF THE APPELLANT**

**DATE : 28.10.2022**

**PLACE: Kochi**

നമ്പർ:- 162/2022

വിദ്യാഭ്യാസം, പുലാശ്ശേരി  
02.08.2022

വിദ്യാഭ്യാസം  
പുലാശ്ശേരി

നവീനകുമാർ  
പുലാശ്ശേരി

സർ,

വിഷയം:- പുലാശ്ശേരി വിദ്യാലയം - ചിറപ്പാല പാലാസം  
അതിർത്തി ഉറപ്പാക്കൽ - വിദ്യാലയം നവീകരണത്തിന്  
സംബന്ധിച്ച്.

സുഹൃദ്:-

ഒരു വിജ്ഞാപനം വരുത്തിയതും.

പുലാശ്ശേരി വിദ്യാലയം പുലാശ്ശേരി - തൃശ്ശൂർ ജില്ലയിൽ  
രണ്ടാം ഘട്ടം ഇപ്പോൾ നിന്നു തുടർ 2 കി.മീറ്റർ വരെ കിഴക്ക്  
ചിറപ്പാല പാലാസം താഴെ - പടിഞ്ഞാറേ പാർട്ടി സ്ഥലത്തായി 01-08-22 ന്  
രാത്രിയ്ക്ക് ഒരു വർഷമായി വെള്ളം അതിർത്തി ഇറങ്ങി  
അങ്ങിനെ ഉറപ്പാക്കുന്നതിന്. ഇനിമേൽ അനുമതിയോടെ  
വടക്കൻ പാലാസം പാലാസത്തിൽ വെള്ളം പൊങ്ങിപ്പുറത്തു  
നിറയിൽ പാലാസം ഒരു ഇപ്പോഴത്തെപ്പോലെയും.

ഈ അങ്ങിനെ ഉറപ്പാക്കുന്നതിന് സർവ്വപ്രവേശനത്തിൽ  
വിദ്യാലയ ഇപ്പോഴത്തെപ്പോലെയും അപേക്ഷകൾ ഉറപ്പാക്കുന്നതിന്.

ഈ നിലയിൽ 2022 50 മീറ്റർ കിഴക്ക് വരി  
അങ്ങിനെ ഉറപ്പാക്കുന്നതിന് ഒരു തീരുമാനം ഉണ്ടാകാൻ  
കാലാവസ്ഥ വ്യതിയാനത്തിന്

അനുമതിയോടെ നിറയിൽ ടി യൂണിറ്റിൽ പാലാസം  
നിറയിൽ ഉറപ്പാക്കുന്നതിന് സർവ്വപ്രവേശനത്തിൽ സെ. 2022



*Handwritten notes:*  
Gyette M...  
പുലാശ്ശേരി വിദ്യാലയം  
പുലാശ്ശേരി വിദ്യാലയം  
പുലാശ്ശേരി വിദ്യാലയം  
പുലാശ്ശേരി വിദ്യാലയം

കിഴക്കൻ കരണപുരം, പാലക്കാട് പരിഷത്തിൽ  
 മനോജിന്റെ മരണശേഷം ചിരദൈവ്യ ദീപദീപനം  
 നടപ്പിലാക്കുന്നതിനായി ഉദ്യമങ്ങൾ നടത്തുന്നതിനും  
 പ്രത്യേകമായി പരിശോധനകൾ നടത്തുന്നതിനും  
 താമസിയാതെ തീരുമാനമെടുക്കുന്നതിനും  
 സാധിക്കുന്നതായി ഉദ്ദേശിക്കുന്നു. കാരണം വിവരം  
 ദീപദീപനം ചെയ്യുന്നതാണ്.

വിശ്വനാഥൻ,

G. J. V. K.  
 02/08/22

വില്ലേജ് ഓഫീസർ  
 പൂലാമുക്ക്

No. 162/2022

Village Office, Pulamanthol

02.08.2022

From

Village Officer,  
Pulamanthol

To

The Tahasildar,  
Perinthalmanna

Sub : Pulamanthol Village- soil erosion in Chirattamala – submission of report – reg;

Attention is drawn to the above hint.

There has been soil erosion on 01.08.2022 at night in south-west slope of Chirattamala which is situated north-east to the Pulamanthol – Kulathoor Road in Randam mile junction of Pulamanthol Village. Earlier northern parts of the Paloor villages are affected by the soil erosion and currently there are no problems.

There are no residential houses in the vicinity of the erosion site and no accidents have reported earlier. There is a granite building stone quarry within 50 meters east to the said site. Currently, the operation of this quarry has been stopped due to the climate change.

Considering the current weather conditions, it is appropriate to conduct an expert inspection of the Mining and Geology Department to find out the possibility of natural phenomenon like landslides in this area of Chirattamala.

Yours faithfully

Village Officer,  
Pulamanthol



# ചിട്ടാമലയിൽ മലയിടിച്ചിലുണ്ടായ സ്ഥലം അധികൃതർ സന്ദർശിച്ചു



വടക്കൻ ഫലൂരിൽ മലയിടിച്ചിലുണ്ടായ സ്ഥലം പഞ്ചായത്ത് പ്രസിഡന്റ് പി സൗജന്യുടെ നേതൃത്വത്തിൽ സന്ദർശിക്കുന്ന

ഘോഷണാൾ

വടക്കൻ പാലൂർ ചിട്ടാമലയിൽ മലയിടിച്ചിലുണ്ടായ സ്ഥലം

പഞ്ചായത്ത് പ്രസിഡന്റ് പി സൗജന്യുടെ നേതൃത്വത്തിൽ മെമ്പർമാരും പഞ്ചായത്ത്, വില്ലേജ് ഉദ്യോഗസ്ഥരും സന്ദർശിച്ചു. ചി

ട്ടാമലയിൽ സ്വകാര്യവ്യക്തിയുടെ ഉടമസ്ഥതയിലുള്ള കരിങ്കൽ ക്വാറിക്ക് സമീപം തികളാഴ്ച രക്തീയാണ് മലയിടിഞ്ഞത്.

Deshabhimani

14/18

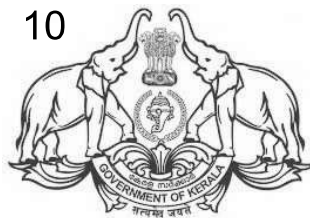
03.08.2022

**Landslide site in Cheerattamala visited by authorities**

Site of landslide in Vadakkan Paaloor was visited under the leadership Panchayat President, P Soumya

Pulamathole

Site of landslide in Vadakkan Paaloor in Cheerattamala was visited by the Panchayat President, P Soumya, Panchayat members and the Village authorities. Landslide had occurred during night hours on Monday in a quarry owned by a private person in Cheerattamala.



GOVERNMENT OF KERALA

# DISTRICT SURVEY REPORT OF MINOR MINERALS (EXCEPT RIVER SAND)

## MALAPPURAM DISTRICT

Prepared as per  
Environment Impact Assessment (EIA) Notification, 2006 issued  
under Environment (Protection) Act 1986  
by

DEPARTMENT OF MINING AND GEOLOGY  
[www.dmg.kerala.gov.in](http://www.dmg.kerala.gov.in)

November, 2016  
Thiruvananthapuram

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Annexure 1. Geology of Kerala

# DISTRICT SURVEY REPORT OF MINOR MINERALS

## MALAPPURAM DISTRICT

**(This report is to be submitted along with application for Environmental Clearance (EC) for mining of all minor minerals except river sand)**

### 1 Introduction

Malappuram district forms part of Malabar region of Kerala, which is predominantly a land of hills and valleys. Malappuram literally means an elevated place on the top of hills. The district has a unique place in the geological history in view of the fact that Laterite, first identified in the area near Angadippuram by Francis Buchanan is the type area of Laterite. The district lies between North latitudes 10° 40' and 11° 32' and East longitude 75 ° 50' and 76 ° 36'.

The *Nilgiris* of Tamil Nadu in the east and Lakshadweep Sea in the west provide natural boundaries. In the north it is bounded by Kozhikode and Wayanad districts and in the south by Palakkad and Trichur districts. The district has a geographical area of 3550 sq.km, which is 9.13 % of the total area of the State.

In 2011, Malappuram had population of 4,110,956 of which male and female were 1,961,014 and 2,149,942 respectively. There was an increase of 13.39 percent in the population compared to population as per 2001. The initial provisional data suggest a density of 1,158 in 2011 compared to 1,021 of 2001. Malappuram ranks 3<sup>rd</sup> in the area and first in the population of the State. Out of the total population 55.81% (2,294,473) is in the rural area and the rest (1,816,483) is in the urban area. Malappuram contributes 12.31% of the total population of the state.

The district is accessible by air, rail and road. The Kozhikode airport is situated near Kondotty in the district. The Kanyakumari-Mangalore-Mumbai broad gauge railway line passes through the western parts of the district. There is another branch rail line to Nilambur from Shornur (Palakkad district). The NH 17 which connects Cochin and Mangalore passes through the western portion of the district.

The Headquarters of the district is at Malappuram. The district has two Revenue Divisions with Headquarters at Perinthalmanna and Tirur. There are 6 taluks namely Ernad (Headquarters at Manjeri), Perinthalmanna, Tirur, Ponnani, Nilambur and Tirurangadi (Headquarters at Parappanangadi), 15 blocks, 100 panchayats and 150 villages. There are 7 Municipalities namely Malappuram, Kottakkal, Ponnani, Perinthalmanna, Tirur, Manjeri and Nilambur.

INDIA  
KERALA  
**MALAPPURAM DISTRICT**



NUMBER OF TALUKS.....	: 8
▪ STATUTORY TOWNS	: 5
▪ CENSUS TOWNS	: 39
▪ OUT GROWTHS	: 1
▪ VILLAGES	: 83
TOTAL AREA OF THE DISTRICT	: 3550 Sq. Km.



BOUNDARY, STATE .....	—————
“ DISTRICT.....	—————
“ TALUK .....	—————
HEADQUARTERS : DISTRICT , TALUK .....	● , ⊙
NATIONAL HIGHWAY .....	NH - 17
STATE HIGHWAY .....	SH - 28
OTHER IMPORTANT ROADS .....	—————
RAILWAY LINE, BROAD GAUGE .....	—————
RIVER AND STREAM.....	~~~~~
STATUTORY TOWN / CENSUS TOWN & OUT GROWTH .....	● , ○

## 2 Drainage and Irrigation

Malappuram district is mainly drained by the *Kadalundi River*, *Chaliyar River* and *Bharathapuzha* (locally known as Ponnani River). Of these rivers, only *Chaliyar* and *Bharathapuzha* are perennial and all others get dried up in summer and hence

Malappuram district is drought prone. The *Kadalundi River* is formed by the confluence of its two main tributaries viz; the *Olipuzha* and the *Veliyar*. The *Olipuzha* takes its origin from 'the *Cherakkobban Mala*' (1160 m amsl) and the *Veliyar* originates from the forest of the '*Erattakomban Mala*' (1190 m amsl). The *Kadalundi River* is 130 km long with a drainage area of 1274 sq. km. The river joins the Lakshadweep Sea at about 5 km south of the Chaliyar river mouth.

The *Chaliyar River*, one of the major rivers of the State, originates from the Ilambalari Hills in Nilgiri district of Tamil Nadu (2066 m amsl). The river flows along the northern boundary of Malappuram district through Nilambur, Mambad, Edavanna, Areakode and Feroke. It joins the Lakshadweep Sea near Beypore. The river is 169 km long with a drainage area of 2535 sq. km in Kerala State.

The *Bharathapuzha* or the Ponnani River is the second longest river of Kerala, originating from the Anamalai Hills (1964 m amsl) in the Western Ghats. The river below the confluence of Bharathapuzha and Gayathripuzha is called the Ponnani River. It flows through the districts of Palakkad, Malappuram and Trichur and drains into the Lakshadweep Sea near Ponnani town in Malappuram district.

The drainage pattern of the three rivers in the district is generally dendritic. Tidal effects are experienced in places such as Vallikkunnu and Tirurangadi, which are 6 to 8 km away from the coast. Analysis of the drainage characteristics of the two basins reveals that Kadalundi river is a fourth order stream, the Ponnani river is fifth order stream and the Chaliyar river is a seventh order stream.

## 3 Rainfall and climate

The district has more or less the same climatic conditions prevalent elsewhere in the State viz. dry season from December to February and hot season from March to May, the South-West monsoon from June to September and the North-East monsoon from October to December. The normal rainfall of the district is 2793.3 mm. Out of this, major rainfall contribution is from SW monsoon followed by the NE monsoon. The South West monsoon is usually very heavy and nearly 73.5% of the rainfall is received during this season. NE monsoon contributes nearly 16.4% and March to May summer rain contributes nearly 9.9% and the balance 0.2% is accounted for during January and February months.

## 4 Meteorological parameters

### 4.1 Temperature

The climate is generally hot and humid. March and April months are the hottest and January and February months are the coldest. The maximum temperatures ranges from 28.9 to 36.2°C and the minimum temperatures range from 17.0 to 23.4°C. The temperature starts rising from January and reaches the peak in the month of March and April and then decreases during the monsoon month and again rising from September onwards.

### 4.2 Wind

The wind is predominant from east as well as west during morning and evening hours. The wind speed is more during December to February months. It ranges from 2.9 to 7.2 km per hour.

### 4.3 Humidity

The relative humidity ranges from 84 to 94 % during morning hours. The humidity is more during the peak monsoon months from June to September.

### 4.4 Geology

From the exposure pattern of the rock types, the district can be divided into two geological belts: (i) Charnockite group of rocks covering a major part and (ii) Migmatite Complex towards the east. Wayanad group is represented by small bodies of meta-ultramafites (tal-tremolite schist, talc-pyroxene-garnet schist, banded magnetite quartzite) and high-grade schist and gneiss (hornblende-biotite schist and gneiss+garnet with amphibolite band) which extends into Tamil Nadu where it is known as Sathyamangalam Group. The rocks of Peninsular Gneissic Complex, represented by granite gneiss and hornblende-biotite gneiss, form the next younger sequence. They have a very limited distribution near the eastern boundary. They have a very limited distribution near the eastern boundary, extending into the adjacent district where they are known as Bhawani Group. A linear band of granite gneiss NE of Perinthalmanna and a large body of hornblende-biotite gneiss east of Manjeri are prominent units. Charnockite Group includes charnockite/charnockite gneiss, having the largest areal distribution, followed in decreasing order of abundance by banded magnetite quartzite, pyroxene granulite, amphibolite/hornblende granulite and pyroxenite, which occur as concordant as well as discordant bands, lenses, layers and enclaves both within charnockite as well as within gneisses of Migmatite Complex. The Migmatite Complex is represented by biotite-hornblende gneiss (or hornblende-biotite gneiss) and quartzo-feldspathic

gneiss/garnet-biotite gneiss with enclaves of garnet-sillimanite gneiss±graphite distributed mostly in the central and northeastern part. Pegmatite and quartz veins constitute the acid intrusives, whereas gabbro and dolerite are basic intrusives. Near the coast, isolated cappings of Neogene Warkalli sediments comprising grit and clay beds are noticed. Lateritisation is widespread, at places attaining a thickness of more than 10m. Extensive plateaus with laterite ‘mesas’ are common in the area. Angadipuram (west of Perinthalmanna), the type locality of laterite falls in this district. Quaternary unconsolidated sediments are restricted to the coastal plain. They have been classified into different morpho-stratigraphic units based on their lithic content and environment of formation. Guruvayur Formation (palaeo-marine), Periyar Formation (fluvial), Viyyam Formation (fluvio-marine) and Kadappuram Formation (marine) (*Figure 1*). The geology of the district given above may be read with the “Geology of Kerala” which is given as Annexure 1 for better understanding of geological succession and stratigraphic sequence.

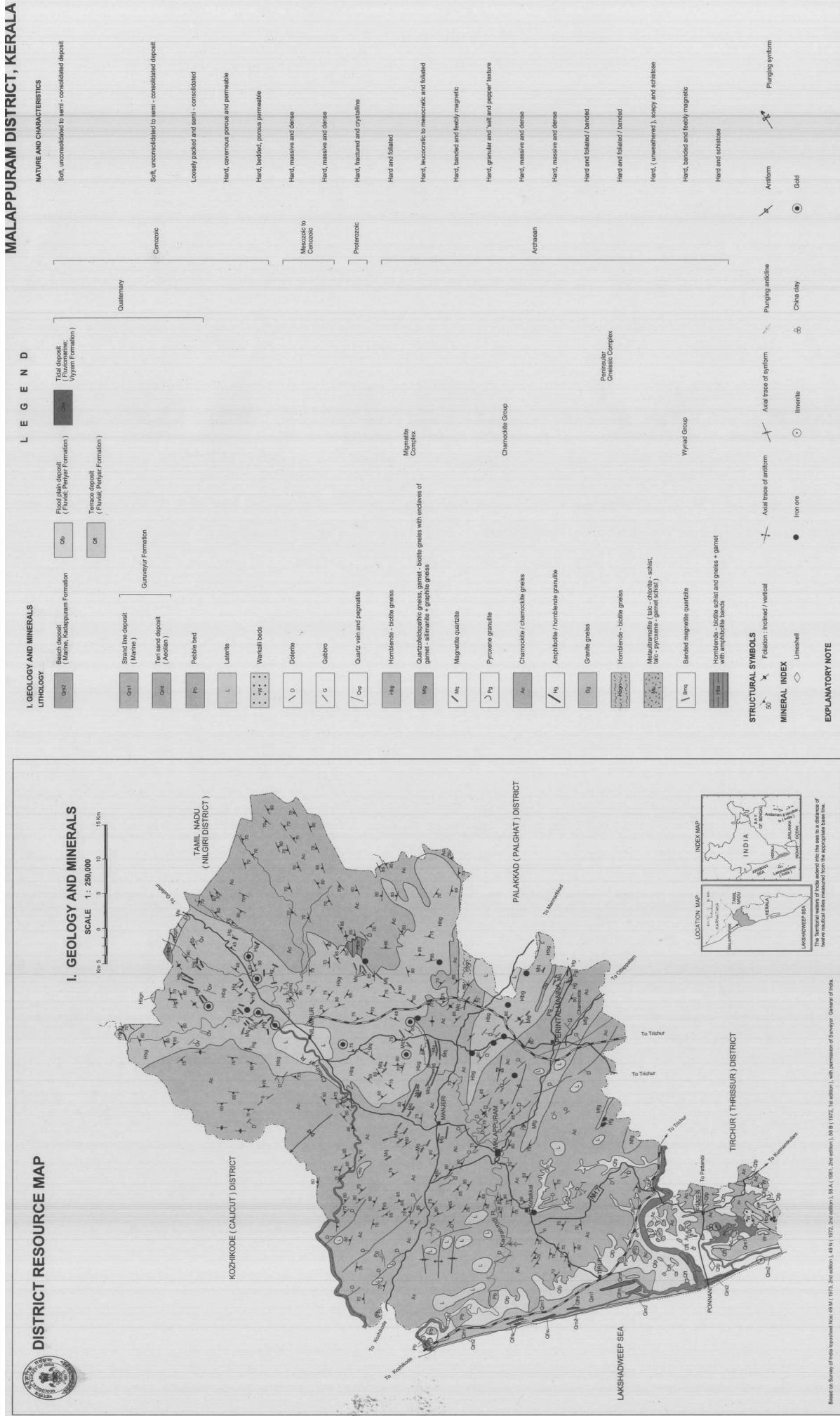


Figure 1: Geology and mineral resources of Malappuram. (Source: District Resource map, Malappuram district, Geological Survey of India)

## 5 Geomorphology

Geomorphologically the district can be divided into three physiographic units from west to east viz. coastal plain (less than 7.5 m amsl), mid land (7.5 – 75 m amsl) and highland (above 75 m amsl) or hilly terrain. The coastal plains extend as a narrow stretch of land lying along the coast from Kadalundi Nagaram in the north to Ponnani in the south. It exhibits depositional landforms of marine, fluvial and fluvio-marine origin. Palaeo-beach ridges suggestive of marine regression in the Quaternary period are well developed in the coastal tract. It becomes very narrow towards north of Tirur and the maximum width is seen along Chauravallam - Tirurangadi area. The area lying between the coastal plain in the west and the high ranges in the east is occupied by midlands. This is the most prominent physiographic unit of the district. The midland region is relatively wide with elevations ranging between 200 and 300m. It is a denudational terrain characterised by flat-topped laterite capped flats, mesas, interfluves, hills, mounds and spurs interspersed by narrow valleys as well as wide alluvial valleys and flood plain. Geomorphological studies in this region have brought out remnants of four palaeoplanation surfaces. Around 550m, 350-400m, 150-230m and 45-130m above msl. Of these the first two surfaces only have accordance of summits with relicts of laterite, whereas the latter two have extensive and plateau-type remnants with thick laterite profile. The hilly region in the east is more than 600m high. The terrain is characterised by hills and narrow incised valleys representing structural cum denudational landforms. This is characterized by flat topped hillock with steep 'U' shaped valleys and ridges. The valley forms potential area for agriculture including paddy, arecanut, vegetable, banana and coconut. The hill tops are generally barren and covered by thick and compact laterite. The eastern parts of the district are characterized by steep hills, gorges and escarpments. The elevation of the hill ranges goes up to 1127 m amsl. Most of the high lands are occupied by forests. Chaliyar puzha is the major river draining the northern part, Kadalundi puzha drains the central part, while the lower reaches of Ponnani puzha drain the coastal tract in the south (*Figure 2*).

## 6 Land Use

Broadly, four types of landuse can be seen in the district. A large part of the area, especially the coastal tract and the midland areas come under arable land, used for cultivation of different crops, both irrigated and non-irrigated. The coastal tracts are densely inhabited. Forests are seen along the east and north, forming part of tropical evergreen forest supporting a variety of plant and animal life. Cashew and rubber are the main commercial crops of the area. The thick laterite 'duricrust' capping the hillocks generally does not support any vegetation, hence such areas are demarcated as wasteland (*Figure 3*).

## 7 Soil types

On the basis of morphological and physico-chemical properties, the Soil Survey Division of Department of Agriculture, Govt. of Kerala has classified the soils of the district into the following types

### *Soils of the low lands (Alluvial soil)*

Those are mainly seen along the coastal plains and valleys. The soils range from exclusively drained to moderately/well drained sand to sandy clay in nature.

### *Soils of Mid/Up lands (Lateritic soil)*

These are mostly lateritic soil, and is seen along the mid land portion of the district. These are deep to very deep, well drained, and gravelly to clayey.

### *Soils of Central Sahyadri (Hydromorphic soil)*

These are deep moderate, well drained and clayey soils with high gravel content. Erosion is moderate to severe. Hard laterites with rock out crops are present.

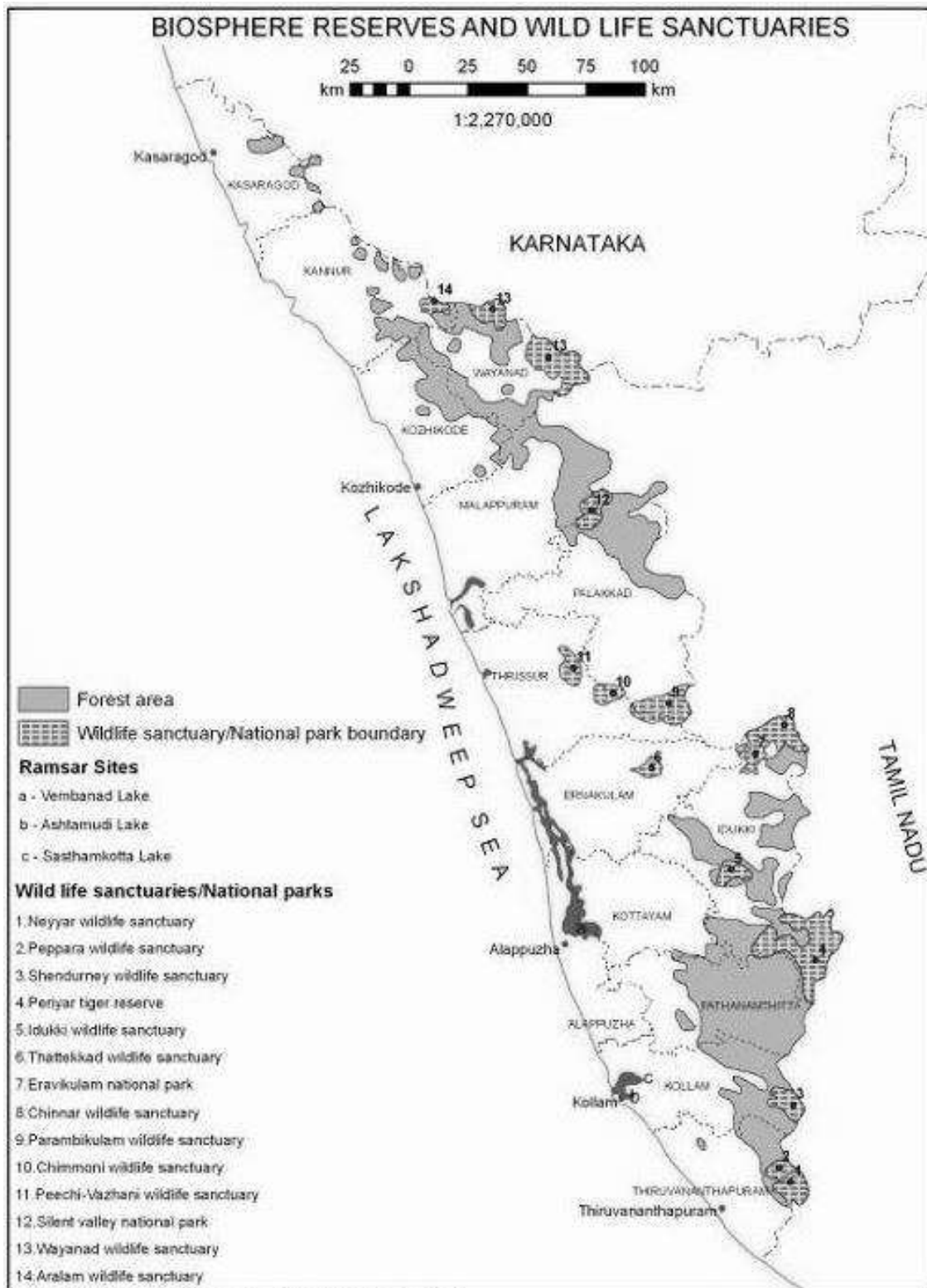
### *Soils of eastern part of Malappuram (Forest loamy soil)*

These soils are deep or very deep and well drained with loamy to clayey textures and having fairly high gravel content.

## 8 Forest

The district has a total forest area of 1,03,417 hectares, i.e., 28.47% of total geographical area. The major forest area is concentrated in Nilambur and Wandoor blocks and Melattur in the Western Ghats. Of the forests, 80% is deciduous and the rest is evergreen. Teak, rosewood, venteak, choropin, mahogoni, etc. are the important trees. Other varieties like kulamavu and villapine are used in the plywood industry. Bamboo is extensively grown in all parts of the forest. The district has also several man made plantations, mainly of teak. A mammoth effort under the Nilgiri Biosphere Project is underway to protect and regenerate the natural forests. Afforestation is also being done under the Wasteland Development Programme.

Elephants, deers, tigers, blue monkeys, dears, boars, rabbits etc. are found in the forests along with a variety of birds and reptiles. Forests are the main source of raw material for a number of wood-based industrial units. Besides timber, firewood and green manure, forest produces like honey, medicinal herbs, spices etc. are collected. Minor forest produces are collected by the tribals. A Girijan Society functions for ensuring fair prices for collected items and for arranging supply of essential commodities to the tribal families. Bamboo for pulp factories is mainly supplied from Nilambur forests. The forests are protected by two forest divisions- Nilambur North and Nilambur South. The social forestry division promotes planting of trees outside forest lands, for protecting the forests.



Source : Department of Forests, Govt. of Kerala, 2010.

## 9 Groundwater scenario

The coastal plain with alluvial soil and high precipitation is a potential aquifer, suitable for filter point and tube wells. In the midland area with thick laterite cover open dug wells are ideal for tapping water for domestic needs. However, the valleys with alluvial deposit are highly potential for groundwater development. In the foothills of the mountains characterised by undulating topography, only valleys yield good groundwater. Some of the fracture zones or lineaments are also potential, but bore wells are site specific. The mountainous terrain in the east is generally unsuitable for groundwater development (*Figure 4*).

Hydrogeologically, the aquifer system in the district can be broadly divided into Crystalline aquifers (fractured basement rock aquifers), Laterite aquifers, Lateralized sedimentary (Tertiary) aquifers and Alluvial aquifers. Crystalline and Laterite aquifers constitute major part (85%) of the district.

## 10 Natural hazards

The area comes under zone III and indicates moderate seismicity (*Figure 5*).

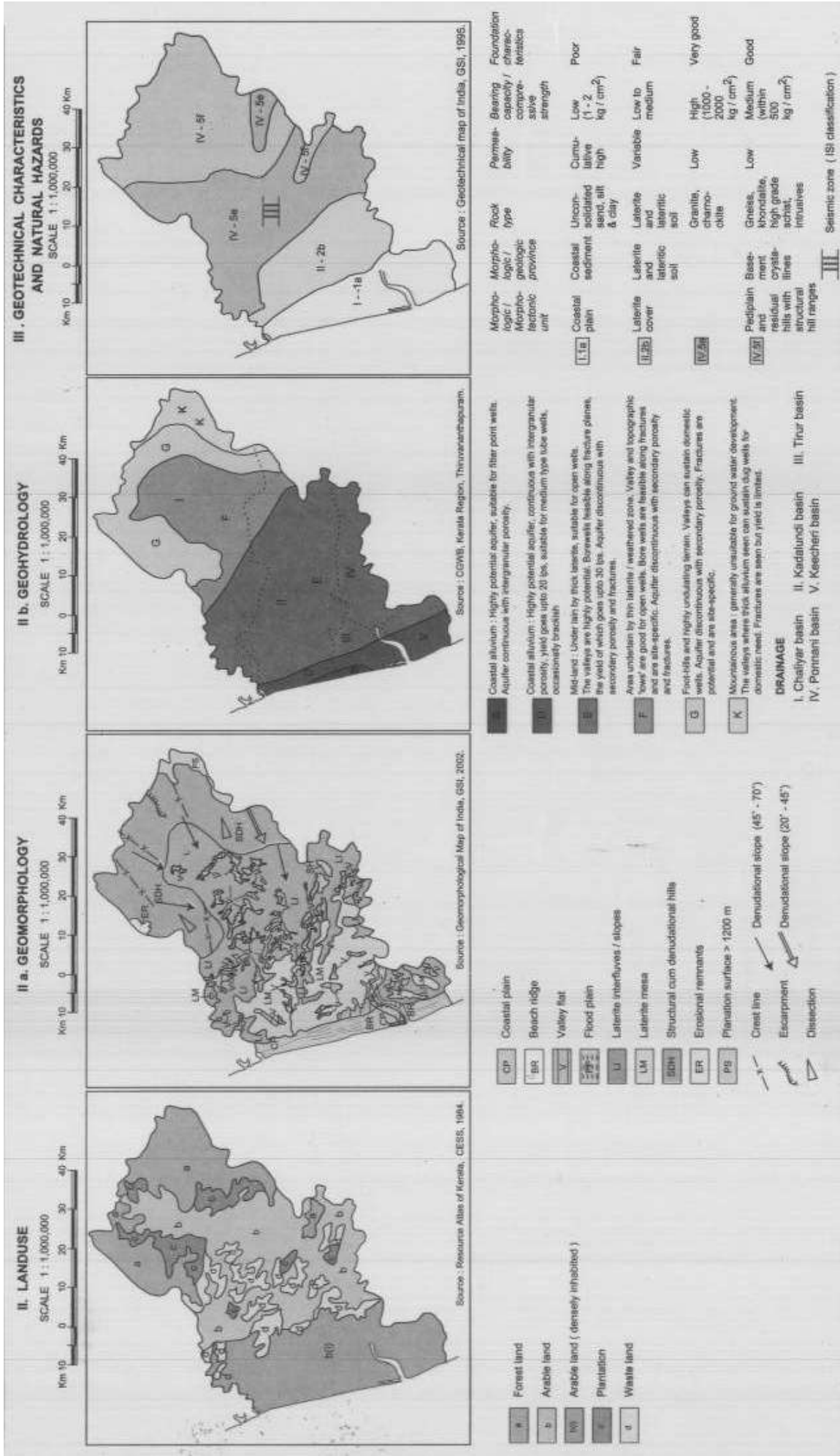


Figure 3: Landuse of Malappuram. (Source: District Resource map, Malappuram district, Geological Survey of India)  
 Figure 4: Geohydrology of Malappuram. (Source: District Resource map, Malappuram district, Geological Survey of India)  
 Figure 5: Geotechnical characteristics and natural hazards map of Malappuram. (Source: District Resource map, Malappuram district, Geological Survey of India)

## 11 Mineral Resources

### 11.1 Major minerals

The economic minerals reported from the district are iron ore, gold, clay limeshell etc. Good deposits of iron ore (magnetite) occur at Korattimala. Both primary and secondary (placer) gold are reported from the district. Kappil, Mankada, Kadannamanna, Valambuur and Maruda areas are known for occurrence of primary gold associated with quartz veins traversing the Archaean metamorphic rocks. Placer gold (gravels) is reported from Nilambur valley along the channels and traces of Chaliyar puzha, Punnapuzha, Pandi puzha, Karakkod puzha and Maradi puzha. Both china clay and tile clay deposits occur in the district. China clay formed by insitu weathering of gneiss and charnockite and also sedimentary origin associated with the Warkalli Beds are present. These clay deposits are seen along the flood plains. The alluvium near Ponnani is rich in lime shell. The beach sands south of Ponnani show high content of ilmenite.

### 11.2 Minor Minerals

#### 11.2.1 Ordinary Earth

Ordinary earth is the common name used for the soils. Soil is made up of three main components – minerals that come from rocks below or nearby, organic matter which is the remains of plants and animals that use the soil, and the living organisms that reside in the soil. The proportion of each of these is important in determining the type of soil that is present. But other factors such as climate, vegetation, time, the surrounding terrain, and even human activities (eg. farming, grazing, gardening, landscaping, etc.), are also important in influencing how soil is formed and the types of soil that occur in a particular landscape. The formation of soils can be seen as a combination of the products of weathering, structural development of the soil, differentiation of that structure into horizons or layers, and lastly, of its movement or translocation. In fact, there are many ways in which soil may be transported away from the location where it was first formed. Soils represent one of the most complex and dynamic natural systems and are one of the three major natural resources, other than air and water. Knowledge of their chemical, physical and biological properties is a prerequisite both for sustaining the productivity of the land, e.g. agriculture, and for conservation purposes. Soil is an integral part of a terrestrial ecosystem and fulfills numerous functions including the capacity to generate biomass and the filtering or buffering activities between the atmosphere and the groundwater in the biosphere. Soils have many important functions. Perhaps the best appreciated is the function to support the growth of agricultural and

horticultural crops. Soil is the mainstay of agriculture and horticulture, forming as it does the medium in which growth and ultimately the yield of food producing crops occurs. Farmers and gardeners have worked with their soils over many centuries to produce increasing amounts of food to keep pace with the needs of a burgeoning world population. The soil's natural cycles go a long way in ensuring that the soil can provide an adequate physical, chemical and biological medium for crop growth. As well as being essential to agriculture, horticulture, forestry and natural and semi-natural systems, soil also plays an important role for our fauna. The soil itself contains millions of organisms, the exact nature and role of which we are still trying to determine. Undoubtedly, the soil flora and fauna play a vital role in cycles which are fundamental to the ability of the soil to support natural and semi-natural vegetation without additions of fertilizer and other support mechanisms. They breakdown plant debris, take in components from the atmosphere, aerate the soil together with many other functions that make the soil such an important medium.

***Classification of soils (ordinary earth) commonly found in the district***

The topo-lithosequence along with variation in rainfall, temperature and alternate wet and dry conditions particularly from the western coast to high ranges in the east and swift flowing rivers lead to the development of different types of natural vegetation and soil. The soils can be broadly grouped into coastal alluvium, mixed alluvium, acid saline, kari, laterite, red, hill, black cotton and forest soils. Soil map given below may be referred to find out its occurrences.

***Coastal Alluvium***

These soils of marine origin are identified along the coastal plains and basin lands as a narrow strip. The elevation of the coastal area is generally below 5m MSL. The area has high water table and in some areas reaches above the surface during rainy season. The soils of the coastal plains are very deep with sandy texture. The texture generally ranges from sand to loamy sand with greyish brown to reddish brown and yellowish red colour. Sand content ranges from 80% and clay up to 15%. Even though these soils have high water table, the water holding capacity is poor due to the predominance of sand. Coconut is the major crop in the area. Cashew and other fruit trees are also grown.

***Mixed Alluvium***

These soils are developed from fluvial sediments of marine, lacustrine and riverine sediments or its combinations. They occur below 20m MSL in the lowland plains, basins, valleys and along the banks of major rivers. The mixed alluvium is mainly noticed close to coastal alluvium, Kuttanad and adjacent area and kole lands of Thrissur district. The soils are frequently flooded and submerged. The soils of depressions and broad valleys are subject to occasional flooding and stagnation. The ground water table of these soils is generally high and it reaches above the surface

during rainy season. A wide variation in texture is noticed in these soils. Sandy clay loam to clay is the predominant texture. Sandy loam soils are also met with. Light grey to very dark brown is the common colour of the soil. Paddy, other annuals and seasonal crops like banana, tapioca and vegetables are grown here.

#### ***Laterite soil***

Laterite and laterite soil are the weathering products of rock in which several course of weathering and mineral transformations take place. This involves removal of bases and substantial loss of combined silica of primary minerals. In laterite and laterite soils, over acidic rocks, induration and zonation are more pronounced. This induration is greater if the iron content is higher. These soils mainly occur in the midlands and part of lowlands at an elevation of 10 to 100m above MSL as a strip between the coastal belt and hilly mid-upland. The area comprises of mounds and low hills with gentle to steep slopes. Laterite soils are generally suitable for most of the dry land crops. It is mainly cultivated with coconut, arecanut, banana, tapioca, vegetables, yams, pepper, pineapple, fruit trees etc. The percentage of gravel content in the soil and reduced soil depth limits the choice of crops. In laterite outcropped area with shallow soils, only cashew can be grown with vegetables.

#### ***Hill Soil***

The hill soils mostly occur above an elevation of 80m MSL. The area is hilly and has highly dissected denudational hills, elongated ridges, rocky cliffs and narrow valleys. The general slope range is above 10%. The texture of these soils generally ranges from loam to clay loam with average gravel content of 10 to 50%. In addition, stones and boulders are noticed in the subsoil. These soils have reddish brown to yellowish red/strong brown colour. Generally, increase in clay content is noticed down the profile. The depth of the soil varies considerably from 60 to 200 cm depending on erodability of soil and past erosion. These soils are mostly friable and subject to heavy soil erosion. The area is suitable for all dry land crops like rubber, coconut, arecanut and fruit trees based on the topography. Crops such as banana, pepper, pineapple, vegetables can be grown in foot slopes.

#### ***Forest Soil***

These soils are developed from crystalline rocks of Archaean age under forest cover. They occur along the eastern part of the State, generally above an elevation of 300m above MSL. The area is hilly and mountainous with steep slopes, escarpments, elongated rocky summits and narrow 'V' shaped valleys. The depth of the soil varies considerably depending on erosion and vegetative cover. The soils are generally immature due to slow weathering process. Rocky outcrops and stones are noticed on the surface. Gneissic boulders under different stages of weathering are

noticed in the subsoil. The texture of the soil ranges from sandy clay loam to clay with reddish brown to very dark brown colour. Forest trees, shrubs and grasses are grown here.

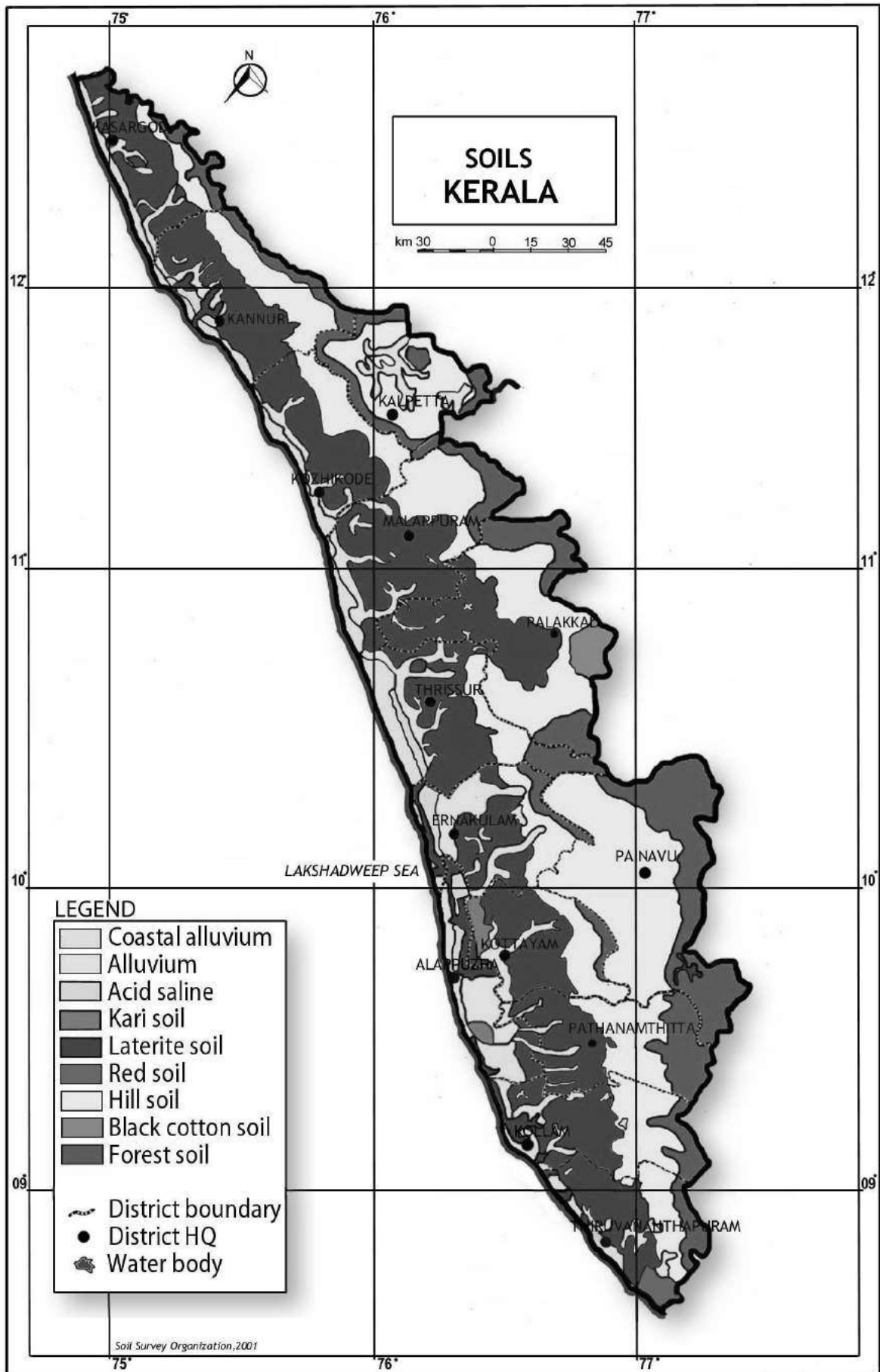


Figure 5: Soils of Kerala

### *Mining of ordinary earth*

Usually ordinary earth is mined for levelling of ground for construction of buildings. Since ordinary earth is very important to mankind, it is not wise to mine ordinary earth for filling purposes alone. However, for the construction of roads and other infrastructure, ordinary earth is mined after obtaining quarrying permit from the Department of Mining and Geology. Mining and transporting ordinary earth/soil without the permission of Department of Mining and Geology is an offence. Department issues pass for transport of ordinary earth. Dealer's license is not issued for ordinary earth as it is not considered as a mineral mined for commercial purposes.

#### **11.2.2 Ordinary Clay (tile/brick clay)**

Clays and clay minerals occur under a fairly limited range of geological conditions and are produced by weathering of silicate minerals containing calcium, magnesium, sodium, or potassium reacting with carbonic acid, carbonates, and bicarbonates. These soluble products are removed by ground water, while the remaining elements, aluminium, silicon, and oxygen combine with water to produce stable clay minerals. The environment of formation include soil horizons, continental and marine sediments, geothermal fields, volcanic deposits, and weathering rock formations. Extensive alteration of rocks to clay minerals can produce relatively pure clay deposits that are of economic interest. Clay formed at the site of the parent rock is known as primary or residual clay; the one carried away or transported and deposited elsewhere is known as secondary clay. For obvious reasons, the former is purer with less impurity (5%–15%), while the latter may contain mica, quartz, and iron oxide as impurities. Geological factors such as conditions at the time of deposition and post-depositional changes have an important influence on the properties of sediment.

Buildings and utensils made of clay date back to the earliest periods of man's civilized development, and the use of clay is intimately associated with his history. Tile and brick kilns are closely associated with Kerala's culture and traditional architecture, which is continued in modern buildings as well.

In Kerala, tile/brick clay occurs in the wetlands/paddy fields in the lowlands and midlands. The clay extracted is used for a variety of purposes such as manufacture of roofing, flooring, and decorative tiles, wire cut (mechanically made) and ordinary bricks (manually made), and pottery wares. Studies carried out in clay mining areas of Kerala have proved that unprecedented increase in the development needs of the state and the subsequent increase in the resource extraction scenarios, especially that of clay mining, have led to rapid degradation of the wetlands (paddy fields), which is significantly reflected in the declining agricultural productivity of the state.

Mining of clays several meters below the prescribed levels, water draining from the unaffected paddy lands into the adjacent mine pits, and subsequent pumping of water for further mining impose severe problems on the hydrological regime, lowering the water table and creating severe water shortage problems in the mining areas. The additional expenditure incurred to meet the freshwater requirements of the people living in areas adjacent to mining sites is increasing year after year, which undermines the short-term economic benefits of resource extraction.

Tile and brick clay mining and its processing provide employment opportunities to a considerable section of the people in the midland and lowland areas of Kerala. Adding to this, thousands of labourers in the construction industry also indirectly depend on the products manufactured from these clays. Under these circumstances and also with respect to the demand incurred, complete restriction of extraction activities does not prove to be viable.

In the study report published by National Center for Earth Science Studies on the impact of clay mining, following recommendations were given with respect to tile/brick clay mining:

“It is of imminent importance to regulate random mining from the paddy fields/wetlands of Kerala by allowing only location-specific resource extraction under well-conceived guidelines. It is also crucial to limit the extraction of tile and brick clays to meet indigenous and local demand only. This is to save the prime agricultural land and also to increase the rice production in the area. The depth of mining should be demarcated so as to regulate mining with respect to the water table condition in the summer season. Also, adequate measures are to be taken to regenerate the natural ground water table using the stored water in the clay mine pits for irrigating the agricultural crops of the hinterland areas. This will enhance the net agricultural productivity of the area in addition to saturating the aquifer systems in the hinterlands. Awareness creation among the public about the adversities of clay mining and as well as the economic benefits of using clay bricks for construction purposes will serve in the protection of our wetlands/paddy fields. Recycling of building materials should also be considered in order to reduce mining of tile and brick clays. The abandoned clay mine areas left behind as fallow lands or water logged areas can be used for productive purposes such as fish farm ponds or irrigation ponds that promise some utility to the society. Also, suitable guidelines should be framed to streamline the tile and brick clay mining activities of the state on an eco-friendly basis.”

The Kerala Conservation of Paddy Land and Wetland Act, 2008 and Rules made thereunder which was enacted for conservation of paddy land and wetlands of Kerala imposes restrictions in mining of tile/brick clays in such areas. The said Act and Rules are implemented by Revenue Department. In addition, Government have setup District Expert Committee to monitor and control the mining activities of ordinary clay. In Kerala Minor Mineral Concession Rules 2015, it is mandated that

No Objection Certificate from the District Collector concerned, based on the recommendation of the District Expert Committee constituted by the Government in this regard, is to be produced by the applicant in the case of application for extraction of ordinary clay. In addition, Bank guarantee from any Nationalized or Scheduled Bank at the rate of Rs. 300/- (Rupees three hundred only) per cubic metre for the purpose of reclamation of pits that will be formed after quarrying in the area permitted, in respect of application for extraction of ordinary clay. Based on the request of the entrepreneurs working in tile/brick clay based industry, Government have instructed the Department of Mining and Geology to carry out survey to identify the mineable tile/brick clay deposits of Kerala and the work in this respect is progressing.

### **11.2.3 Ordinary Sand**

In Kerala Minor Mineral Concession Rules, 2015, the ordinary sand is defined as sand used for non-industrial purpose. This includes both river sand and sand excavated from inland areas like palaeo-channels. Since a separate Act has been enacted by Government of Kerala namely, The Kerala Protection of River Banks and Regulation of Removal of Sand Act, 2001 (hereafter referred to as Sand Act, 2001) and since the mining of river sand is controlled by Revenue Department by virtue of the powers conferred by the said Act and the Rules made thereunder, the Department of Mining and Geology now regulates the mining of sand which do not comes under the purview of Sand Act, 2001.

The ordinary sand (other than river sand) occurs in the palaeo-channels. The word palaeo-channel is formed from the words “palaeo” or “old,” and channel; i.e., a palaeo-channel is an old channel. Palaeo-channels are deposits of unconsolidated sediments or semi-consolidated sedimentary rocks deposited in ancient, currently inactive river and stream channel systems. These are typical riverine geomorphic features in a location representing drainage streams, rivers, rivulets which were flowing either ephemeral or perennial during the past time and now stands either buried or lost or shifted due to tectonic, geomorphologic, anthropogenic process/activities, as well as climatic changes. When a channel ceases to be part of an active river system, it becomes a palaeo-channel. In order to tap the ordinary sand occurring in palaeo-channels, the Department entrusted the study of identification of palaeo-channels in major river basins of Kerala to Geological Survey of India (GSI). GSI resorted to remote sensing studies using satellite imageries and delineated some of the palaeo-channels. However, since such deposits falls in paddy land/wetlands of Kerala, it is difficult to extract such sand on account of restrictions imposed by various Acts and Rules.

The Kerala Conservation of Paddy Land and Wetland Act, 2008 and Rules made thereunder which was enacted for conservation of paddy land and wetlands of Kerala imposes restrictions in mining

of ordinary sands occurring in wetlands and paddy fields. The said Act and Rules are implemented by Revenue Department. In addition, Government have setup District Expert Committee to monitor and control the mining activities of ordinary sand. In Kerala Minor Mineral Concession Rules 2015, it is mandated that No Objection Certificate from the District Collector concerned, based on the recommendation of the District Expert Committee constituted by the Government in this regard, is to be produced by the applicant in the case of application for extraction of ordinary sand. In addition, Bank guarantee from any Nationalized or Scheduled Bank at the rate of Rs. 300 (Rupees three hundred only) per cubic metre for the purpose of reclamation of pits that will be formed after quarrying in the area permitted, in respect of application for extraction of ordinary sand.

The mining of ordinary sand from palaeo-channels also case some environmental concerns. Since sand is a good aquifer, the mining of aquifer system poses threat to ground water availability in surrounding areas. However in certain cases, the mining of such sand from paddy lands increase the productivity of paddy as excess sand in the paddy lands are not good for paddy.

In Kerala, due to shortage of river sand and ordinary sand occurring in palaeo-channels, the construction industry now uses manufactured sand obtained by crushing of crystalline rocks.

**It may be noted that since the Revenue Department is taking care of all types of mining activities related to river sand and since sand auditing and other studies are carried out under the aegis of the Revenue Department, this report shall not be used for the purpose of obtaining prior environmental clearance for mining of river sand.**

#### 11.2.4 Laterite

Laterite is a soil and rock type rich in iron and aluminium, and is commonly considered to have formed in hot and wet tropical areas. Nearly all laterites are of rusty-red coloration, because of high iron oxide content. They develop by intensive and long-lasting weathering of the underlying parent rock. Tropical weathering is a prolonged process of chemical weathering which produces a wide variety in the thickness, grade, chemistry and ore mineralogy of the resulting soils. The majority of the land area containing laterites is between the tropics of Cancer and Capricorn.

Angadipuram Laterite is a National Geological Monument identified in Angadipuram town in Malappuram district. The special significance of Angadipuram to laterites is that it was here that Dr. Francis Buchanan-Hamilton, a professional surgeon, gave the first account of this rock type, in his report of 1807, as "indurated clay", ideally suited for building construction. This formation falls outside the general classification of rocks namely, the igneous, metamorphic, or sedimentary rocks but is an exclusively "sedimentary residual product". It has a generally pitted and porous

appearance. The name laterite was first coined in India, by Buchanan and its etymology is traced to the Latin word "letritis" that means bricks. This exceptional formation is found above parent rock types of various composition namely, charnockite, leptynite, anorthosite and gabbro in Kerala. The laterite profiles in different types of rocks vary depending on the composition of parent rock. For example in Charnockites, the thickness of the profile ranges from 2 m to 10 m with humus zone on the top with thin pebbly zone (with ferruginous pellets in clayey matrix), underlain by vermicular laterite with tubular cavities of various shapes and size filled with kaolinitic clay. This is followed by thin layer of lithomarge. Further below completely weathered, partly weathered or fresh parent rock occur. In some places one can see hard duricrust at the top.

The mineralogical study of laterites reveals that all the silicate minerals have been transformed to a mixture of goethite, hematite and kaolinite in laterite samples developed over charnockite. Further studies revealed that pyroxenes have been altered to goethite while feldspars gave rise to kaolinite. Quartz is cracked, eroded and disintegrated. Monazite and Zircons are found as accessory minerals.

Laterite and bauxite show a tendency to occur together. Aluminous laterites and ferruginous bauxites are quite common. The most common impurity in both is silica. Laterite gradually passes into bauxite with decrease in iron oxide and increase in aluminium oxide. The laterite deposits may be described on the basis of the dominant extractable minerals in it: (i) aluminous laterite (bauxite), (ii) ferruginous laterite (iron ore), (iii) manganiferous laterite (manganese ore), (iv) nickeliferous laterite (nickel ore) and (v) chromiferous laterite (chrome ore). Laterite with  $Fe_2O_3:Al_2O_3$  ratio more than one, and  $SiO_2:Fe_2O_3$  ratio less than 1.33 is termed as ferruginous laterite, while that having  $Fe_2O_3:Al_2O_3$  ratio less than one and  $SiO_2:Al_2O_3$  ratio less than 1.33 is termed as aluminous laterite. Laterite can be considered as poly-metallic ore as it is not only the essential repository for aluminium, but also a source of iron, manganese, nickel and chromium. Furthermore, it is the home for several trace elements like gallium and vanadium which can be extracted as by-products.

In Kerala laterites are extracted as building stones which are used for construction of building. Laterite as a building stone possesses one advantage that it is soft when quarried and can be easily cut and dressed into blocks and bricks which on exposure to air become hard. In addition, laterite (aluminous laterite) is extracted for industrial purposes (for eg. Cement industry). In addition to aluminous laterite, bauxites are also mined in Kerala. Hence, while granting mineral concession for laterite it is necessary to carry out the chemical analysis to establish whether the mineral is bauxite or aluminous laterite.

### 11.2.5 Granite Dimension Stone and Granite (building stone)

For administrative purpose the hard crystalline rocks which do not have any economic minerals are classified as granite dimension stones and granite (building stones). The definition given in the Kerala Minor Mineral Concession Rules 2015 is as follows:-

‘Granite dimension stones include all types of granites, dolerite, charnockite, leptynite and other crystalline rocks of Acid, Intermediate, basic and ultra basic groups of igneous and metamorphic origin which are suitable for cutting to pre-determined sizes, polishing, carving and amenable for making value-added products in decorative monumental and ornamental fields of industry as a high-value item. Granite (building stone) include all those group of rocks specified above which are not suitable for using as dimension stones as specified therein, but can be used as ordinary building stones, road metal, rubble and ballasts after breaking into irregular pieces by blasting or otherwise as low value item. The Rules insists that the rocks having the quality of granite dimension stone shall not be quarried for granite building stone as these two types of rocks have different values/royalties’.

The major granite dimension stone occurrence in the district forms part of Charnockite-Khondalite belt and has colour ranging from pale green with mottled red, bluish green with cordierite, deep dark green, greyish white. Charnockite is largely used as a building stone.

All Archaean and Proterozoic rocks of Kerala (refer section on Geology of Kerala) which are not listed above as granite dimension stone falls under the category of granite (building stone) and are found below ordinary earth/laterites/and other sedimentary rocks. In some cases such rocks are exposed as hillocks without any overburden.

## 12 Details of minor mineral concessions

Permission for mining will be granted on case to case basis on ascertaining the availability at the site and only if conditions stipulated in the KMMC Rules 2015 are satisfied (The reader may refer the KMMC Rules 2015 available in the website [www.dmg.kerala.gov.in](http://www.dmg.kerala.gov.in) for more details in this regard). The concession will be granted only if other statutory licenses like Environmental Clearance, Explosive Licence, consent to operate issued by State Pollution Control Board, NOC issued by Revenue Department (as the case may be), Dangerous and Offensive Trade Licence issued by Local Self Government Institutions, NOC related to Coastal Regulation Zone (as the case may be), NOC issued by Forest (as the case may be) etc. The mineral concession will not be granted in the ecologically sensitive areas, ecological fragile zones etc.

Table 1: Details of revenue collection for the period 2013-'14, 2014-'15 and 2015-'16

Royalty ABSTRACT 13-14																								
Month	Apl Fee				D L				RMCU		CRPS		Arr. Rty.		Royalty Shedule 1					S R			TOTAL	
	Granite	Laterite	Clay	OE	DLGBS.	D/L Clay	D/L Sand	RMVCU	Granite	Laterite	Granite.	Laterite	LAT majs	Granite	Rty Clay	R Sand	OE	GR.	Laterite	clay	OE	Comp		O D
April	4800	11600	1000	2000	5930000	80000	0	11750000	7600000	138200	0	25600	0	107130	686480	147350	530	660	50	120	408264	0	4141784	
May	4200	9200	0	1200	76000	16000	0	9700000	5750000	14070	0	17664	0	5220	257100	410	510	40	266800	0	2213414	0	2213414	
June	4400	11000	0	1200	66000	22000	0	11400000	7900000	145000	0	43500	0	652620	307604	400	680	60	190000	31001	3405465	0	3405465	
July	2000	3000	0	200	55000	0	0	5500000	170000	11392	0	33800	0	391520	2000	360	150	0	281000	3270500	0	4421812	0	4421812
August	3400	7400	0	400	15000	0	0	4500000	545000	6750	0	8000	0	0	27240	250	490	0	379650	0	1835110	0	1835110	
September	3400	10800	0	400	6000	0	0	6250000	750000	0	35000	24205	0	55000	480600	42200	210	490	0	30	215000	0	2248335	
October	1200	11000	0	600	22000	0	0	3750000	730000	206750	0	49452	0	0	928040	26800	250	600	0	30	510000	1260	2862982	
November	1800	14800	0	1000	11000	0	0	3850000	984000	12210	0	12800	0	0	1250	93200	190	850	0	60	557200	2117	2077477	
December	600	2000	0	200	0	0	0	2250000	110000	1163400	0	82000	0	0	0	125000	90	100	0	10	300000	0	2008400	
January	5600	12600	0	1200	40000	0	0	13250000	815000	13000	0	31008	0	0	75060	540	750	0	40	170000	875	2490673	0	2490673
February	4200	8200	0	3000	0	0	0	13050000	525000	875	0	16000	0	0	173800	470	490	0	50	318000	0	2355085	0	2355085
March	6000	18000	0	800	476000	6000	0	5600000	1060000	0	0	42800	0	2200	0	72800	460	1000	0	0	230000	0	8791060	
Others							1000																1000	1000
TOTAL	41600	119600	1000	12200	1360000	28000	96000	56010000	98000000	78140000	1566647	1800000	386829	0	164330	3188130	1350154	4160	6770	50	460	3825914	3305753	38852597

Royalty ABSTRACT 14-15																							
Month	Apl Fee				D L				rmcu		CRPS		Arr. Rty.		Royalty Shedule 1					S R			TOTAL
	Granite	Laterite	Clay	OE	Reg.Fee	D/L Apl.	D/L Fee	RMVCU	Granite	Laterite	Granite.	Laterite	LAT majs	Granite	Rty Clay	OE	GR.	Laterite	clay	O	Comp	O D	
April	7800	7400	0	0	0	0	490000	150000	2000000	410000	23230	0	16000	0	0	360000	650	380	0	0	212430	0	3677890
May	9600	7600	200	0	0	0	322400	0	2030000	435000	0	30944	0	16000	0	820	400	10	0	533700	0	3386674	
June	5400	12600	0	0	0	0	95000	0	1440000	865000	1750	0	58000	19883	0	0	720	760	0	0	421600	0	2920713
July	200	1000	0	0	0	0	97000	0	330000	170000	2827	197000	14592	63288	122220	69000	140	150	0	0	280000	630400	1977817
August	0	0	0	0	0	0	27000	0	0	0	43000	0	73600	101012	178020	0	0	0	0	0	104980	0	527612
September	3200	3000	600	0	0	0	18000	0	160000	125000	41992	0	51500	132791	16000	11320	50	100	0	0	101600	0	665153
October	3000	10400	200	0	0	0	8000	0	830000	730000	3672	0	35200	0	26000	0	564	660	0	0	540920	0	2188616
November	1800	13400	200	0	0	0	31000	0	3450000	980000	2408	0	24000	35840	23300	46850	150	870	0	10	468792	0	1973620
December	1200	4200	0	200	0	0	25000	0	2900000	415000	165292	140780	113600	224000	63130	270	300	0	0	452312	0	1895284	
January	1000	0	0	200	0	0	67000	0	0	95000	33264	0	125800	268800	0	156560	477	0	0	162800	1042060	1952921	
February	0	0	0	0	0	0	162500	600000	300000	0	0	100000	110992	48000	669758	40	0	0	0	150600	0	2141890	
March	0	1000	0	0	36000	16000	358000	11800000	0	0	209386	0	501200	537600	92560	670370	0	0	0	0	181720	2413480	16817316
Others							18000															2000	2000
TOTAL	33200	60600	1200	400	36000	16000	1718900	125500000	77250000	42250000	526821	337780	1144436	1494206	522100	2046988	3831	3620	10	20	3611454	4087940	40145506

## Royalty ABSTRACT 15-16

Month	Apl Fee			D L		rmcu	CRPS		Arr. Rty.		Royalty Sheddule 1				S R			DR/LT-DL		
	Granite	Laterite	Clay	OE	Reg.Fee		D/L Apl.	D/L Fee	RMVCU	Granite	Laterite	Granite	Laterite	LAT majr	Rty Clay	O E	GR.		Laterite	clay
April	6000	44000			12000	12000	710000	415600	4223040	41886		37500	179760		32640		210		80240	5894876
May	50000	107000	2000		17000	10500	456000	4425000	9675000	3883151	832880	3336000	360080	64000	406438	500	1200	10	512865	21137224
June	26000	43000			11000	4000	168000	2225000	3610000	570938		24000	358400		841112	620	450		131000	12063520
July	13000	41000			3000	2500	152000	1620000	3600000	824511	113860	110400	179200		123655	150	490		407600	7691366
August	1000	3000			3000	1500	88000		315000	351486		24000	358400		25706		40		896852	2067984
September		49000			6000	1500	126000	75000	4470000	300000	543560	260000	654380		504895	110	560		267710	11408715
October	12000	43000			2000	3000	166000	1625000	3685000	283223	75600	662400	798336	21760	182023	130	450		1084800	8744722
November	20000	51000			7000	2500	97600	1625000	4790000	350308	101250	0	231616		183028	430	1165		1492400	9176378
December	17000	51000			7000	3500	92000	4775000	5025000	793027	110700	164400	441440	40000	455262	1550	3050		1402900	16833829
January	18000				1000	2000	88000	1125000	1575000	896536	27000	36000	40000	40000	387304	750	1050	50	681800	4905490
February	15000	37000		1000	3000	3500	120000	780000	3075000	663484	346500	602400	433900	248120	484556	1450	1700		696600	8513210
March	13000	40000			10000	9500	516000	2235000	2775000	256350	75600	104000	577632		395395	700	1700		1467100	12426977
Others																				0
TOTAL	191000	509000	2000	1000	82000	56000	2779600	20925600	46818040	9214900	2226950	2358700	4573144	413880	4022014	6390	12065	0	9121867	120863291

Table 2b: List of Quarrying Lease granted for Granite building stone

Sl no	Concession holder's name and address	Concession no.	Mineral	Survey no	Village	Thaluk	District	Area(ha)	Valid from	Valid to	Whether attached to RMCU	Remarks
1	M/s Poabson Granites Products p(Ltd),Thelakkad(po),Perinthalmanna,Malappuram	576/2002-03/711/M3/2001 dtd 14/2/03	Granite Building Stone	59/2	Kariavattom	Perinthalmanna	Malappuram	11.07 Acres(4.4800 hr)	02/05/2003	01/05/2015	Yes	Expired on 1/5/2015
2	M/s Poabson Granites Products p(Ltd),Thelakkad(po),Perinthalmanna,Malappuram	575/2002-03/710/M3/2003 dtd 14/2/2013	Granite Building Stone	59/2	Kariavattom	Perinthalmanna	Malappuram	4.67 Acres(1.8898 hr)	29/11/04	01/05/2015	Yes	Expired on 1/05/2015
3	M/s Malabar Aggrigates p(Ltd),Ozhukku(po),Malappuram	510/2004-05/8253/M3/2004 dtd 17/11/2004	Granite Building Stone	36/4 & 36/1	Morayur	Erannad	Malappuram	0.7452 hr	29/12/04	28/11/2014	no	Expired on 28/11/14
4	M/s Othayi Granites p(Ltd),Perakkamanna(po),Othayi	570/2004-05/8954/M3/2004 dtd 9/12/2004	Granite Building Stone	193/1,193/2,173	Edavanna	Erannad	Malappuram	6.50 Acres(2.6305 hr)	18/3/05	28/12/2016	Yes	Expired on 17/3/2015
5	M/s AL Madeena Granites Metals & Crescent Industries,Pannippara(po)	813/2004-05/1618/M3/2006 dtd 10/3/2005	Granite Building Stone	218pt	Edavanna	Erannad	Malappuram	5.3480 hr	08/03/2006	17/3/2015	Yes	Expired on 17/3/2015
6	A.Jamal Mohammed,Mg:partner,Aranchikkal Granites unit,Pathapriyam(po)	668/2005-06/1618/M3/2006 dtd 22/2/2006	Granite Building Stone	111/1/pt,113/1/pt,217	Edavanna Perakkamanna	Erannad	Malappuram	14.425 hr	13/6/07	07/03/2018	Yes	
7	Mg:partner,Thomarrappara Bricks & Metals,Panambilav	126/2007-08/3739/M3/2007 dtd 30/5/2007	Granite Building Stone	6,1	Vettilappara	Erannad	Malappuram	1.6188 hr	28/5/07	12/06/2017	Yes	
8	M.C.Mayin Haji,Mg :Director Calicut Granites(Pvt)(Ltd),Kannamvettikav(po)	100/2007-08/3483/M3/2008 dtd 17/5/2007	Granite Building Stone	266/1,2(243/1,2,242/1)	Cherukav	Erannad	Malappuram	2.63 hr	06-06-2007	27/5/2017	Yes	
9	K.A.Abraham,M/s Poabson Granites Products Ltd,Thelakkad(po),Perinthalmanna	65/2007-08/2310/M3/2013 dtd 14/2/2003	Granite Building Stone	59/2	Kariavattom	Perinthalmanna	Malappuram	5.0263 hr	31/8/07	05/06/2017	Yes	
10	P.M.Alavi Haji,PWD Contractor,Melnury,Malappuram	321/2007-08/6371/M3/2007 dtd 17/8/2007	Granite Building Stone	221	Melnuri	Erannad	Malappuram	1.2221 hr	09-05-2007	30/8/2017	no	
11	A.M.Muhammed Ali,Mg:partner,Mubarak Granites,Chathallo or(po)	268/2007-08/6021/M3/2007 dtd 20/7/2007	Granite Building Stone	96pt,94pt	Perakkamanna	Erannad	Malappuram	1.9953 hr	26/10/07	08/05/2017	Yes	
12	V.Moideen Mg:partner,VKH Hollow Bricks,Muthuvallloor(po),Kondotty	454/2007-08/8239/M3/2007 dtd 17/10/2007	Granite Building Stone	158/2 Block8	Pulikkal	Erannad	Malappuram	0.5970 hr		25/10/2017	no	

13	VKM Stone Crusher	837/2007-08/824/M3/2007 dtd 18/2/2008	Granite Building Stone	81	Kannamangalam	Thirurangadi	Malappuram	01.5 hr	23/2/08	22/2/2018	no
14	K.Kunhimoyin,Mg:partner,Fire nds Crusher, Vallilapuzha(po)	631/2007-08/8745/M3/2007 dtd 27/11/2008	Granite Building Stone	49/2 Block 21/3	Keezhuparamba	Ernad	Malappuram	0.8200 hr	19/12/07	18/12/2017	yes
15	Ernad Granites pvt.Ltd,Vellila(po)	15/2008-09/3505/M3/2008 dtd 4/4/2010	Granite Building Stone	3,3	Mankada	Perinthalmanna	Malappuram	0.8094 hr	25/4/08	24/4/2018	No
16	V.Abdurahiman,Mg:partner,Bis ni Granites Industries,Chathallur(po)	175/2008-09/5826/M3/2008 dtd 17/6/2008	Granite Building Stone	354/1pt&354/1-1	Perakamma	Ernad	Malappuram	2.80894 hr	07-04-2008	06/04/2018	Yes
17	M.M.Azad,Mg:partner,M/s Malabar Bricks metals,Poovalthikkal(po),Areaco de	176/2008-09/5828/M3/2008 dtd 17/6/08	Granite Building Stone	53/2	Ungattiri	Ernad	Malappuram	2.9600 hr	07-04-2008	06/04/2018	yes
18	Nasli Muhammed,S/o Marakkur Haji,Mg:partner,Majestic Granites,Kallarattikal(po),Mala ppuram	204/2010-11/6864/M3/2010 dtd 28/6/2010	Granite Building Stone	8,2	Vettilappara	Ernad	Malappuram	1.6188 hr	13/6/07	12/06/2017	No
19	V.M.Kunhali,Mg:partner,Chali yaz stone crusher,Pullippadam,Mambad	204/10-11/3196/M3/2011 dtd 28/6/10	Granite Building Stone	93/pt	Pullippadam	Nilambur	Malappuram	1.2500 hr	21/7/2010	20/7/2020	No
20	V.P.Thrimathi,Mg:partner,M/s Associate Engg. & ceemicals,Thavanoor,Kuzhiman na	590/10-11/6864/10 dtd 7/12/10	Granite Building Stone	22/1/1	Muthuvallur	Ernad	Malappuram	8.9180 hr	10/12/2010	09/12/2020	No
21	O.Muhammed Shareef,Mg:Director,M/s port land Granites p(Ltd),Pulikkal(po)	548/10-11/9135/M3/2010 dtd 26/11/10	Granite Building Stone	169/1.2,3,4,168/2,3, 13,171/3 &171/8	Pulikkal	Ernad	Malappuram	5.8528 hr	06/12/2010	05/12/2020	Yes
22	P.P.Veeran,Mg:partner,Cherupa ra,Granites,Vettilappara,Areaco de	55/11-12/3270/M3/11 dtd 3/5/11	Granite Building Stone	8,2	Vettilappara	Ernad	Malappuram	1.2141 hr	16/5/11	15/5/2021	No
23	P.K.Muhammed Ashraf,Mg:partner Hji-Tec metals,Naduvakkad,Oorakkam, Melhuuri	439/11-12/7485/M3/2011 dtd 12/10/11	Granite Building Stone	1/1(BI,37),278/pt(BI .36)165/2(BI,56)	Oorakkam,Nedi yiripp,Morayur	Thirurangadi,Er nad,Ernad	Malappuram	6.166 hr	17/10/11	16/10/2023	yes
24	V.M.Suresh kumar,Soorya shoba Engg:	559/11-12/7875/M3/2011 dtd 22/11/11	Granite Building Stone	266/2,266/3	Cherukav	Ernad	Malappuram	2.71 hr	12-06-2011	12-05-2021	No
25	Jose.MP,Mg:partner,Thazhekk de Stands,Madathikkuzhi(h),Kingi nimattam,Kolancheri	775/2011-12/133/M3/2012 dtd 8/2/12	Granite Building Stone	1,2	Thazhekkode	Perinthalmanna	Malappuram	2.5 hr	18/2/12	17/2/2022	No
26	PMR Granites India p(Ltd),3/322,PM Arcade,Malmuri(po)(PM,Abd ul Shukkur Puliylil madasseri,h)	38/2014-15/2875/M3/2014 dtd 29/4/14	Granite Building Stone	BI,27,200/1,202/1,2 3,4,5	Ungattiri	Ernad	Malappuram	5.5373 hr	12/05/2014	11/05/2026	No
27	M/s Arecode Granites Private Limited,K P /100c,Vakkallur P O Malappuram,675644	579/2014-15/8727/M3/2014 Dtd Tvm,20/11/2014	Granite Building Stone	213 214 215	Kavanoor	Ernad	Malappuram	4.2695 h	03/12/2014	02/12/2024	yes

28	N Abdul Rasheed,Mg Partner,Nalakash Granites, Valambur P O,Patikkad via,679325	588/2014-15/10110/M3/2014 Dtd 25/11/2014	Granite Building Stone	13/11/1	Karavattam Valambur	Perinthalmanna	Malappuram	1.9 h 0.6398 h Total H	03/12/2014	02/12/2024	yes	n
29	T S Jaleel Managing Partner m/s Malabar Granite .Kannamvetrikavu Pulikkal-673637 Malappuram	688/2014-15/11442/M3/2014 Dtd 01 /01/2015	Granite Building Stone	266/2	Cherukav	Kondotty	Malappuram	04.3297 H	02-02-2015	17/12/2022	No	
30	K Muhammed Akbar M/s Ooragam Metals(LTD) Diya Mahal Pookkottur	924/15-16 3186/M3/15 dt 26/3/15	Granite Building Stone	34/2,30/2/2 30/2/3,20/7,20/1	Oorakkam	Thirurangadi	Malappuram	5.3527 H	14/05/2015	13/05/2025	no	
31	Abdul Nazeer M/s Pullippadam Metal And Metal Sands Pvt Ltd.Karukamannil House West Kodur XVIII/62 Kodu P.o Malappuram,	95/15-16/4611/M3/2015 dt 8/5/2015	Granite Building Stone	1/pt	Pulippadam	Nilambur	Malappuram	4.74 Hect	25/05/2015	24/05/2027	no	
32	K M Ameer,Kilinkkod Rock Products,Cheroor P O ,Malappuram DT.	261/2015-16/5950/m3/2015 dtd8/7/2015	Granite Building Stone	25/pt	Ooragam	Thirurangadi	Malappuram	3.5412 Hectar	13-Jul-15	12-Jul-25	no	
33	M/s Poabson Granite Products Pvt. Ltd., Thelakkad,Perinthalmanna	369/2015-16/M3/2015 Dtd.07/08/2015	Granite Building Stone	59/2	Kariavattam	Perinthalmanna	Malappuram	4,4696 Hect	24-Aug-15	23-Aug-20	yes	

Table 2c: List of Quarrying Permit granted under CRPS for Granite building stone

Sl no.	Concession holder's name and address	Concession no.	Mineral	Survey no.	Village	Taluk	District	Area(ha)	Valid from	Valid to	Consolidated royalty(Rs)	Lease no(if applicable)
1	V P Abdulla Elite Granite And Hollow Brikoks K V Kav Malappuram	1/2015-16 /Gr/Dom/m/ 810/15 dtd8/5/2015	Granites	180/6	Pulikkal	Kondotty	Malappuram	14.56 Ares	05-08-2015	05-07-2016	150000	NA
2	M Kunhamutti M D Chaliyar Granite PVT ltd Kayalam Kozhikkode	2/2015- 16/Gr/Dom/m/ 933/15 dtd 11/5/2015	Granites	177/7	Pulikkal	Kondotty	Malappuram	15 Ares	05-11-2015	05-10-2016	150000	NA
3	Ahamed Harshad Chakkeeri House Cheroor P.O	3/2015- 16/Gr/Dom/m/ 785/15 dtd 11/5/2015	Granites	425	Kannamangalam	Thirurangadi	Malappuram	20 Ares	05-11-2015	05-10-2016	150000	NA
4	P Abdul Nazar S/o Abdurahiman Poovathikkal House Pattikkad	4/2015- 16/Gr/Dom/m/ 955/15 dtd 13/5/2015	Granites	137/10	Valambur	perinthelmaanna	Malappuram	10 Ares	13/5/2015	05-12-2016	75000	NA
5	K V Anwar MG Director Modern Distropolis Anakkayam	5/2015- 16/Gr/Dom/m/ 774/15 dtd 15/5/2015	Granites	171/1	Anakkayam	Eranad	Malappuram	21.6 Cents	15/5/2015	14/05/2016	18000	NA
6	Binu Cheriyan Thakkirikkal House Chelad Kothamangalam	6/2015- 16/Gr/Dom/m/ 824/15 dtd 15/5/2015	Granites	101/6	Edayur	Tirur	Malappuram	1 Acre 40.46 ares	15/5/2015	14/5/2016	70000	NA
7	M E Mohanan Hi-Grip Granities Vazhayur	7/2015- 16/Gr/Dom/m/ 784/15 dtd 15/5/2015	Granites	155/3	Vazhayoor	Kondotty	Malappuram	1.25 Acre	15/5/2015	14/10/2015	240000	NA
8	N Muhammedali S/o Hamza Naramthodi House Pattikkad	8/2015- 16/Gr/Dom/m/ 1093/15 dtd 18/5/2015	Granites	34/1A	Karivattam	perinthelmaanna	Malappuram	10 Ares	18/5/2015	17/5/2016	75000	NA
9	V Moideen S/o Kunhaleen Haji Veerasan House Chullippara Valakkulam	9/2015- 16/Gr/Dom/m/ 786/15 dtd 20/5/2015	Granites	172/1	Pulikkal	Kondotty	Malappuram	15 Ares	20/5/2015	19/5/2016	150000	NA
10	V Moideen VKH Stone Crusher Muthavallur Kondotty	10/2015- 16/Gr/Dom/m/ 787/15 dtd 20/5/2015	Granites	158/1	Pulikkal	Kondotty	Malappuram	10 Ares	20/5/2015	19/5/2016	75000	NA
11	K V Muhammadali Eranad Granite Industries Pandallur P.o	11/2015- 16/Gr/Dom/m/ 1076/15 dtd 20/5/2015	Granites	387/1	Pandallur	Eranad	Malappuram	15 Ares	20/5/2015	19/5/2016	150000	NA

12	Kalodi Muhammed Kalodi House Kallar Mangalam P O Malappuram	12/2015-16/Gr/ Dom/m- 908/15 dt.22/5/15	Granites	282 BL no.45	Anakkayam	Eranad	Malappuram	20.24 Ares	22/5/2015	21/5/2016	300000	NA
13	Jailabudine S/o Muhammed Haneefa VMR Jamsheena Manzil Puthanangadi	13/2015-16/Gr/ Dom/m- 1117/15 dt.25/5/15	Granites	215/1A	Perinthalmanna	Thazhakkode	Malappuram	10 Ares	25/5/2015	24/5/2016	75000	NA
14	P R Ashokan MG.Partner Manjeri Granite Manjeri	14/2015-16/Gr/ Dom/m- 1187/15 dt.25/5/15	Granites	31/1	Anakkayam	Eranad	Malappuram	40.47 Ares	25/5/2015	24/5/2016	700000	NA
15	N Abdul Nazar Nettiakkal House Perumanna Kozhikkode	15/2015-16/Gr/ Dom/m- 1131/15 dt.27/5/15	Granites	180/1/2	Pulikkal	Kondotty	Malappuram	15 Ares	27/5/2015	26/5/2016	150000	NA
16	N Abdul Nazar Nettiakkal House Perumanna Kozhikkode	16/2015-16/Gr/ Dom/m- 927/15 dt.27/5/15	Granites	29/3,29/4	Pulikkal	Kondotty	Malappuram	15 Ares	27/5/2015	26/5/2016	150000	NA
17	Pullancheri Granite Industries Pullancheri Manjeri P.O	17/2015-16/Gr/ Dom/m- 770/15 dt.27/5/15	Granites	168/164,5	Anakkayam	Eranad	Malappuram	40.47 Ares	27/5/2015	26/5/2016	700000	NA
18	Sakeer P S/o Moideen Palliyil Pallikkuth House Memuri P.O	18/2015-16/Gr/ Dom/m- 943/15 dt.27/5/15	Granites	32/1	Payyanad	Eranad	Malappuram	10 Ares	27/5/2015	26/5/2016	75000	NA
19	P K Abdulla Koya Mg.Director Beeria Granites Pvt.Ltd	19/2015-16/Gr/ Dom/m- 813/15 dt.29/5/15	Granites	266/2 B No.	Cherukavu	Kondotty	Malappuram	14 Ares	29/5/2015	28/5/2016	150000	NA
20	V P Shareef Pallikkara House Payyanad ,Manjeri	20/2015-16/Gr/ Dom/m- 826/15 dt.29/5/15	Granites	413/4A	Payyanad	Eranad	Malappuram	13 Ares	29/5/2015	28/5/2016	150020	NA
21	Anwar T P S/o Moyin kutti Thiacha Paramban House Mundengara	21/2015-16/Gr/ Dom/m- 1159/15 dt.29/5/15	Granites	96/3.4	Edvanna	Eranad	Malappuram	15 Ares	29/5/2015	28/5/2016	150000	NA
22	A.C.Abdurahiman S/o Aboobacker Haji, Mattil House, Peruvallur, Kondotty.	103/2015-16/Gr/DOM/M- 2774/15 dtid.21/12/15	Granites	269/1 pt	Nediyiruppu	Kondotty	Malappuram	9.72 Ares	21/12/2015	20/12/2016	75000	N.A.
23	Aboobacker S/o Hamza Ambalparamban House Parambur ,Pattikkad	23/2015-16/Gr/ Dom/m- 970/15 dt.01/06/15	Granites	42/1	Kceahattur	perinthelmanna	Malappuram	10 Ares	06-01-2015	31/5/2016	75000	NA

24	Muhammedali S/o Morddeen Palathingal House Keezhathoor	24/2015- 16/Gr/ Dom/m- 1024/15 dt 01/06/15	Granites	55/6	Keezhattur	perinthelmanna	Malappuram	15 Ares	06-01-2015	31/5/2016	150000	NA
25	K M Ali Kutty Malattippara House Vallyaparam P.O	25/2015- 16/Gr/ Dom/m- 1086/15 dt 01/06/15	Granites	181/1B BL No.8	Pulikkal	Kondotty	Malappuram	15 Ares	06-01-2015	31/5/2016	150000	NA
26	T P Abdul Hameed Thoomath Puthur Peediyekkal House Kannamangalam	26/2015- 16/Gr/ Dom/m- 1097/15 dt 03/06/15	Granites	105	Kannamangalam	Thirurangadi	Malappuram	15 Ares	06-03-2015	06-02-2016	150000	NA
27	Usman V K S/o Alavi Vellyyam Kailan House Koottilangadi	27/2015- 16/Gr/ Dom/m- 819/15 dt 03/06/15	Granites	1	Narukara	Eranad	Malappuram	15 Ares	06-03-2015	06-02-2016	150000	NA
28	A .M Muhammedali Mubaraq Granites West Chathallur	28/2015- 16/Gr/ Dom/m- 1386/15 dt 05/06/15	Granites	95/PT BL No. 70	Perakamanna	Eranad	Malappuram	80.97 Ares	06-05-2015	06-04-2016	700000	NA
29	Abdul Nazar N Nettakal House Perumanna Kozhikkode	29/2015- 16/Gr/ Dom/m- 1405/15 dt 05/06/15	Granites	30/3 BL No.8	Pulikkal	Kondotty	Malappuram	10 Ares	06-05-2015	06-04-2016	75000	NA
30	P Abdulla Pallyyali House Vellia, mankada	30/2015- 16/Gr/ Dom/m- 855/15 dt 06/06/15	Granites	93/1	Vadakkangara	perinthelmanna	Malappuram	15 Ares	06-06-2015	06-05-2016	150000	NA
31	KP Aboobacker Kangattu Puthamveetil House Vadakkangara P.O	31/2015- 16/Gr/ Dom/m- 707/15 dt 06/06/15	Granites	126/6,65	Mankada	perinthelmanna	Malappuram	14.2 Ares	06-06-2015	06-05-2016	150000	NA
32	M K Najeed S/o Hassanar Mannengal Kammethodi House Pulamanthole	32/2015- 16/Gr/ Dom/m- 1289/15 dt 22/06/15	Granites	85	Pulamanthole	perinthelmanna	Malappuram	10 Ares	22/6/2015	21/06/2016	750000	NA
33	Kuttiman Haji Payambrott House Pulikkal P.O Malappuram	33/2015- 16/Gr/ Dom/m- 928/15 dt 22/06/15	Granites	177/8	Pulikkal	Kondotty	Malappuram	10 Ares	22/6/2015	21/6/2016	75000	NA
34	K P Abbas Ali S/o alavikutty Haji Karimbin thodi House Vallyaparam	34/2015- 16/Gr/ Dom/m- 1246/15 dt 22/06/15	Granites	130/1,2, 320/Pt	Pulikkal	Kondotty	Malappuram	10 Ares	22/6/2015	21/6/2016	700000	NA
35	K P Abbas Ali S/o alavikutty Haji Karimbin thodi House Vallyaparam	35/2015- 16/Gr/ Dom/m-	Granites	320/pt	Pulikkal	Kondotty	Malappuram	15 Ares	22/6/2015	21/6/2016	150000	NA

36	K.Sakeer Hussain S/o Kuttimoideen Haji, Kudalili House, Parammalangadi.	1271/15 dt 22/06/15	Granites	1/1 A	Pulamanthole	Perinthalmanna	Malappuram	10 Ares	07-03-2015	07-02-2016	75000	NA
37	Muhammed Haneefa S/o Muhammed Kutti Haji, Karl House, Chirayil.P.O.	36/2015-16/Gr/ Dom/m-1992/15 dt 03/07/15	Granites	269/1	Nediyiruppu	Kondotty	Malappuram	13.75 Ares	22/1/2016	20/1/2017	150000	N.A.
38	Muhammed Haneefa S/o Muhammed Kutti Haji, Karl House, Chirayil.P.O.	114/2015-16/Gr/DOM/M-1606/15 dtid.22/1/16	Granites	270/1	Nediyiruppu	Kondotty	Malappuram	9.71 Ares	22/1/2016	20/1/2017	75000	N.A.
39	P.V.Ajesh, S/o Velayudhan, Dwaraka, Cherooppa, Kozhikode	39/2015-16/Gr/ Dom/m-1135/15 dt 08/07/15	Granites	186/1	Pulikkal	Kondotty	Malappuram	15 Ares	07-08-2015	07-07-2016	150000	NA
40	P.V.Ajesh, S/o Velayudhan, Dwaraka, Cherooppa, Kozhikode	40/2015-16/Gr/ Dom/m-1363/15 dt 08/07/15	Granites	187/pt	Pulikkal	Kondotty	Malappuram	10 Ares	07-08-2015	07-07-2016	75000	NA
41	P.T.Ashraf Mg.Partner, Al Jout Granite Metals, Poovathikkal	41/2015-16/Gr/ Dom/m-844/15 dt 08/07/15	Granites	Bl.27- 184/	Urangattiri	Ernad	Malappuram	40.47Ares	07-08-2015	07-07-2016	700000	NA
42	K.V.Moideenkoya, Mg.Partner, New Panippara Bricks&Metals. P.O.Pannippara.	42/2015-16/Gr/ Dom/m-1420/15 dt 10/07/15	Granites	12/1/1,1/2,1/3	Perakamma	Ernad	Malappuram	60.7 Ares	07-10-2015	25/6/2016	700000	NA
43	K.M.Alikutty, Malattippara House, Yaliyaparamb, Pulikkal.	43/2015-16/Gr/ Dom/m-1087/15 dt 10/07/15	Granites	317/3	Pulikkal	Kondotty	Malappuram	10 Ares	07-10-2015	25/6/2016	75000	NA
44	K.C.Janardhana Raja S/o Parameswaran Bhattathiripad, Kadannamma Kovilakam, Kadannamma, Mankada	44/2015-16/Gr/ Dom/m-861/15 dt 13/07/15	Granites	96/1 A	Mankada	Perinthalmanna	Malappuram	9.72 Ares	13/7/2015	06-12-2016	75000	NA
45	P.Abbas S/o muhammed Haji Verilakattil, Muthuparamb.	45/2015-16/Gr/ Dom/m-1385/15 dt 13/07/15	Granites	96/1 A	Mankada	Perinthalmanna	Malappuram	9.72 Ares	13/7/2015	06-12-2016	75000	NA

46	T.P.Abdul Hameed, Thumbath Puthen Peediyekkal House, Kannamangalam.	13/2015-16/ Gr/DOM/M- 1496/15 dtid.14/3/16	Granites	250/pt, 151/pt	Nediyiruppu	Kondotty	Malappuram	48.60 Ares	14/3/2016	13/3/2017	700000	N.A.
47	Sivasankaran.M.P.S/o Navu, Manpatta Palliyalil House, Kadannamma.	47/2015- 16/Gr/ Dom/m- 862/15 dt.4/9/15	Granites	65, 126/6	Mankada	Perinthalmanna	Malappuram	10 Ares	23/9/2015	22/9/2016	75000	NA
48	M.E.Mohanan High Grip Granite, Vazhayoor.	54/2015- 16/Gr/ Dom/m- 784/15 dt.14/10/15	Granites	155/3	Vazhayoor	Kondotty	Malappuram	50 Ares	14/10/2015	13/08/2016	480000	NA
49	M.K.Moosakutty, Mg.Partner, Rahmath Granite Crusher, Pannipara.	64/2015- 16/Gr/ Dom/m- 783/15 dt.14/10/15	Granites	7/3 pt, 4/1	Karakunnu	Ernad	Malappuram	40.47 Ares	19/10/2015	18/10/2016	700000	
50	P.C.Abdurahiman, Kalpakavadi House, Valavannur.P.O.	66/2015- 16/Gr/ Dom/M- 2370/15 dt.21/10/15	Granites	160	Valavannur	Tirur	Malappuram	9.71 Ares	21/11/2015	20/10/2016	75000	NA
51	P.K.Abdurahiman S/o Aboobacker, Poolakuman House, Narukara.	67/2015- 16/Gr/ Dom/M- 1428/15 dt.21/10/15	Granites	168	Anakkayam	Ernad	Malappuram	14.58 Ares	21/10/2015	20/10/2016	150000	NA
52	P.P.Abdurahiman, Mg.Partner, Palliparamban House, (Karakamma Metals) Keezhuparamb.	76/2015-16/ Gr/DOM/M- 939/15 dtid.28/10/15	Granites	130/pt	Pullipadam	Nilambur	Malappuram	48.67 Ares	28/10/2015	27/10/2016	700000	NA
53	Muhammed Ibrahim,S/o Moideenkutti Haji, Palakkan House, Pookkottur.	82/2015-16/ Gr/DOM/M- 842/15 dtid.12/11/15	Granites	Q2-1065/pt	Melmuri	Ernad	Malappuram	9.71 Ares	11-12-2015	11-11-2016	75000	NA
54	K.M.Koyamu, Managing Partner, Chirayil Granites, Kondotty, Chirayil.	133/2015-16/ Gr/DOM/M- 108/16 dtid.18/3/16	Granites	178/15	Nediyiruppu	Kondotty	Malappuram	30 cents	18/3/2016	17/3/2017	150000	N.A.
55	K.P.Muhammed S/o Alavi Haji, Kanniparambil House, Munnayoor.	85/2015-16/ Gr/DOM/M- 2593/15 dtid.18/11/15	Granites	332	Karakunnu	Ernad	Malappuram	9.71 Ares	18/11/2015	17/11/2016	75000	NA
56	Kunhumammed Haji, S/o Kunhippu Haji, Vazhathodi House, Cherukara.	86/2015-16/ Gr/DOM/M- 2442/15 dtid.25/11/15	Granites	7/7	Elankulam	Perinthalmanna	Malappuram	19.61 Ares	25/11/2015	24/11/2016	150000	NA
57	K.Jayaprakash S/o Mavunni, Kottarathil House, Kannamvettikavu.	87/2015-16/ Gr/DOM/M- 2357/15 dtid.27/11/15	Granites	266/2 pt	Cherukavu	Kondotty	Malappuram	46.53 Ares	27/11/2015	26/11/2016	700000	NA

58	N P Abdul Azeez, Managing Director, Manjeri Bricks & Metals, Pullancheri.	88/2015-16/ Gr/DOM/M- 2658/15 dtd.30/11/15	Granites	281/2	Anakkayam	Ernad	Malappuram	40.47 Ares	30/11/2015	29/11/2016	700000	NA
59	K.P.Muhammed Basher, Kolamkadavath House, Mattathur.	37/2015- 16/Gr/ Dom/m- 839/15 dt 06/07/15	Granites	B.37-251/1	Ooragam	Thirurangadi	Malappuram	10 Ares	07-06-2015	07-05-2016	75000	NA
60	K.Malathy, D/o Velayudhan, Kotarathil House, Kannamvettikavu.	91/2015-16/ Gr/DOM/M- 1719/15 dtd.2/12/15	Granites	266/2	Kannamvettikavu	Thirurangadi	Malappuram	40.47 Ares	12-02-2015	12-01-2016	700000	N.A.
61	E.K.Khader Babu S/o Moideen Haji, Suhara Manzoli, Kannamangalam.	92/2015-16/ Gr/DOM/M- 1772/15 dtd.2/12/15	Granites	104/2 A	Kannamangalam	Thirurangadi	Malappuram	40.51 Ares	12-02-2015	12-01-2016	700000	N.A.
62	N.Abdurahiman, Mg.Partner, Al-Madeena Hollow Bricks, Payyanad.	94/2015-16/ Gr/DOM/M- 2656/15 dtd.4/12/15	Granites	359	Payyanad	Ernad	Malappuram	9.71 Ares	12-04-2015	12-03-2016	75000	N.A.
63	Chakkeeri Shaik Abdulla S/o Ahammed Kutti, Chakkeeri House, Cheroor.	95/2015-16/ Gr/DOM/M- 2377/15 dtd.9/12/15	Granites	425	Kannamangalam	Thirurangadi	Malappuram	9.72 Ares	12-09-2015	12-08-2016	75000	N.A.
64	T.P.Abdul Hameed, Thumbath Puthen Peediyekkal House, Kannamangalam.	96/2015-16/ Gr/DOM/M- 2874/15 dtd.16/12/15	Granites	104/2 B	Kannamangalam	Thirurangadi	Malappuram	36 Cents	16/12/2015	15/12/2016	150000	N.A.
65	P.Abbas S/o Muhammed Haji, Verilakkatu House, Vallyaparamb.	97/2015-16/ Gr/DOM/M- 1098/15 dtd.16/12/15	Granites	180/7	Pulikkal	Kondotty	Malappuram	36 Cents	16/12/2015	15/12/2016	150000	N.A.
66	P.Sivasankaran, S/o Kunhiraman Nair, Pothalakkal House, Naduvath.P.O.	98/2015-16/ Gr/DOM/M- 1599/15 dtd.18/12/15	Granites	319/ pt	Thiruvalli	Nilambur	Malappuram	6.67 Ares	18/12/2015	17/12/2016	75000	N.A.
67	E.K.Abdul Azeez, E.K.C.Granite Kannamangalam.	101/2015-16/ Gr/DOM/M- 1276/15 dtd.21/12/15	Granites	1/-	Kannamangalam	Thirurangadi	Malappuram	36 Cents	21/12/2015	20/12/2016	150000	N.A.
68	K.P.Aboobacker S/o Abu Haji, Kangattu Puthen Veettil House, Vaadakkangara.	102/2015-16/ Gr/DOM/M- 2435/15 dtd.21/12/15	Granites	65	Mankada	Perinthalmanna	Malappuram	9.71 Ares	21/12/2015	20/12/2016	75000	N.A.
69	K.P.Muhammed Basher, Kolamkadavath House, Mattathur.	38/2015- 16/Gr/ Dom/m- 870/15 dt 06/07/15	Granites	276/1	Ooragam	Thirurangadi	Malappuram	14.5 Ares	07-06-2015	07-05-2016	150000	NA
70	Abdul Azeez S/o Kunhipokker, Palakkan House, Melmuri.	104/2015-16/ Gr/DOM/M- 1530/15 dtd.23/12/15	Granites	Bl.8- 1562/pt	Melmuri	Ernad	Malappuram	14.57 Ares	23/12/2015	22/12/2016	150000	N.A.

71	Muhammed Shareef S/o Moideen, Kutikkadan House, Athavanad.	105/2015-16/ Gr/DOM/M- 1842/15 dtd.28/12/15	Granites	371/2	Athavanad	Tirur	Malappuram	19.42 Acres	28/12/2015	27/12/2016	150000	N.A.
72	C.P.Kurtu S/o Saithalu, Chaakkali Parambil House, Thirunavaya.	106/2015-16/ Gr/DOM/M- 1604/15 dtd.28/12/15	Granites	371/1	Athavanad	Tirur	Malappuram	48 Cents	28/12/2015	27/12/2016	150000	N.A.
73	Abdul Majeed P., Mg.Partner, Manjeri Blue Metals, Amayoor.	108/2015-16/ Gr/DOM/M- 812/15 dtd.30/12/15	Granites	Bl.67 110/1	Karakunnu	Ernad	Malappuram	40.47 Acres	30/12/2015	29/12/2016	700000	N.A.
74	P.Abdul Azeez, Aal Ameen Crusher, Melmuri.	109/2015-16/ Gr/DOM/M- 1580/15 dtd.1/1/16	Granites	Q2-1065	Melmuri	Ernad	Malappuram	40.47 Acres	01-01-2016	31/12/2016	700000	N.A.
75	Abdul salam.K.T., Shamil Granites, Irivetti, Thottilangadi.P.O.	110/2015-16/ Gr/DOM/M- 863/15 dtd.1/1/16	Granites	524/2	Kavanoor	Ernad	Malappuram	9.72 Acres	01-01-2016	31/12/2016	75000	N.A.
76	Saidalavi C.S/o Muhammed, Chemmala House, Pulpatta.	111/2015-16/ Gr/DOM/M- 1500/15 dtd.1/1/16	Granites	355	Pulpatta	Ernad	Malappuram	9.72 Acres	01-11-2016	01-10-2017	75000	N.A.
77	Kunhahamad.K.Kilinnakkod Rock Products Pvt. Ltd, Cheroor	46/2015-16/ Gr/DOM/M- 1871/15 dt.4/9/15	Granites	24/3	Ooragam	Thirurangadi	Malappuram	0.9586 Hectares	09-04-2015	09-03-2016	240000	NA
78	K.Liyakkathali, Karuthedath House, Chathangottupuram.	113/2015-16/ Gr/DOM/M- 1259/15 dtd.22/1/16	Granites	323/1	Thiruvalli	Nilambur	Malappuram	9.71 Acres	22/1/2016	20/1/2017	75000	N.A.
79	P.Muhammadi S/o Ahammed, Parancheri House, Aravankara, Pookkottur.	83/2015-16/ Gr/DOM/M- 1478/15 dtd.13/1/15	Granites	55	Ooragam	Thirurangadi	Malappuram	19.42 Acres	13/1/2015	11-12-2016	150000	NA
80	Basil Paul, Mg.Partner, Popular Sand & Metals, Ooragam, Melmuri.	90/2015-16/ Gr/DOM/M- 1115/15 dtd.2/12/15	Granites	42/2	Ooragam	Thirurangadi	Malappuram	1 Acre ( 40.46 Acres)	12-02-2015	12-01-2016	700000	N.A.
81	P.Abbas S/o muhammed Haji, Verilakattil, Muthuparamb.	116/2015-16/ Gr/DOM/M- 806/15 dtd.25/1/16	Granites	31/3	Pulikkal	Kondotty	Malappuram	9.71 Acres	25/1/2016	24/1/2017	75000	N.A.
82	Kunnummal Ali S/o Muhammed, Kunnummal House, Iringallur. P.O.	117/2015-16/ Gr/DOM/M- 2420/15 dtd.29/1/16	Granites	20/	Panakkad	Kondotty	Malappuram	9.71 Acres	29/1/2016	28/1/2017	75000	N.A.
83	Veeran S/o Muhammed haji, Kalathil House, Odamala, Cherukara.P.O.	118/2015-16/ Gr/DOM/M- 1331/15 dtd.1/1/16	Granites	1/	Anamangad	Perinthamma	Malappuram	24 cents	29/1/2016	28/1/2017	75000	N.A.

84	Mubasheer.V.K., S/o Muhammedali Vaithalakkuzhi House, Cherooppa.	118/2015-16/Gr/DOM/M-1331/15 dtd.29/1/16	Granites	180/ 3	Pulikkal	Kondotty	Malappuram	9.60 Ares	29/1/2016	28/1/2017	75000	N.A.
85	K.P.Abbassali, S/o Alavikutty, Karimbithodi House, Vallyparamb.P.O.	120/2015-16/Gr/DOM/M-1401/15 dtd.1/2/16	Granites	180/1, 2	Pulikkal	Kondotty	Malappuram	9.6 Cents	02-01-2016	31/1/2017	75000	N.A.
86	K.Ganeshan S/o Kandaswami, Kanichangottil House, Pannippara.P.O.	121/2015-16/Gr/DOM/M-1321/15 dtd.3/2/16	Granites	B1.68- 222/2	Perakamma	Ernad	Malappuram	14.57 Ares	02-03-2016	02-02-2017	150000	N.A.
87	O.P.Narayanan, S/o Kuttikoru, Ottuppara House, Pannippara	122/2015-16/Gr/DOM/M-1322/15 dtd.3/2/16	Granites	105/1	Edavanna	Ernad	Malappuram	9.72 Ares	02-03-2016	02-02-2017	75000	N.A.
88	Jose Kutti, S/o Joseph, Kochangadiyil House, Koorad.	123/2015-16/Gr/DOM/M-2950/15 dtd.8/2/16	Granites	517/pt	Wandoor	Nilambur	Malappuram	9.71 Ares	02-08-2016	02-07-2017	75000	N.A.
89	K.Abdul Harshad S/o Ahamedkutti, Kunnakkadan House, Chirayil.	124/2015-16/Gr/DOM/M-1507/15 dtd.10/2/16	Granites	105	Kannamangalam	Thirurangadi	Malappuram	9.71 Ares	02-10-2016	02-09-2017	75000	N.A.
90	M.K.Najeeb S/o Hassanar, Mannungal Kamamthodi, Pulamanthole	125/2015-16/Gr/DOM/M-2777/15 dtd.17/2/16	Granites	1/1 B	Pulamanthole	Perinthalmanna	Malappuram	24 Cents	17/2/2016	16/2/2017	75000	N.A.
91	Veerankutti Poothanari, S/o Andirahiman Haji, Pulpatta.	126/2015-16/Gr/DOM/M-1523/15 dtd.1/1/16	Granites	307/3	Pulpatta	Pulpatta	Malappuram	14.56 Ares	17/2/2016	16/2/2017	150000	N.A.
92	V.T.Abdurahiman, S/o Muhammed, Vallythodi House, Ooragam Melmuri.	112/2015-16/Gr/DOM/M-1660/15 dtd.1/1/16	Granites	57/5	Ooragam	Thirurangadi	Malappuram	24 Cents	01-11-2016	01-10-2017	75000	N.A.
93	P.Abbas S/o muhammed Haji Verlakattil, Muthuparamb.	128/2015-16/Gr/DOM/M-1472/15 dtd.4/3/16	Granites	317/1, 2	Pulikkal	Kondotty	Malappuram	14.56 Ares	03-04-2016	03-03-2017	150000	N.A.
94	A.P.Siddique S/o Muhammed Haji, Aparambil House, Parammalangadi.	129/2015-16/Gr/DOM/M-1467/15 dtd.14/3/16	Granites	104/1	Kuruva	Perinthalmanna	Malappuram	9.71 Ares	14/3/2016	13/3/2017	75000	N.A.
95	M.Musthafa S/o Hydrn, Murikkumkadan House, Padinhattumuri.	130/2015-16/Gr/DOM/M-2393/15 dtd.14/3/16	Granites	379/1	Elamkur	Ernad	Malappuram	9.72 Ares	14/3/2016	13/3/2017	75000	N.A.
96	Kunhahammedkutti Director, Kilinakkod Rock Products Kilinakkod, Cheroor.P.O.	127/2015-16/Gr/DOM/M-270/15 dtd.17/2/16	Granites	B.37- 24-3	Ooragam	Thirurangadi	Malappuram	0.95 Hecor	17/2/2016	16/2/2017	480000	N.A.

97	Muhammed Nazar, S/o Muhammed, Kangattuparakkal House, Vadakkangara.	132/2015-16/ Gr/DOM/M- 2523/15 dtd.18/3/16	Granites	1 /-	Mankada	Perinthalmanna	Malappuram	24 cents	18/3/2016	17/3/2017	75000	N.A.
98	Abdurahman Chelamadathil House Chathangottuppuram	22/2015-16/ Gr/ Dom/m- 1208/15 dt 29/5/15	Granites	145/13PT	Porur	Nilambur	Malappuram	14.57 Ares	29/5/2015	28/5/2016	150000	NA
99	K.Ayobkhan, S/o Muhammed, Kizhisseri House, Velliyancheri, P. O.	134/2015-16/ Gr/DOM/M- 213/16 dtd.21/3/16	Granites	40	Edepatta	Ernad	Malappuram	10 Ares	21/3/2016	20/3/2017	75000	N.A.
100	M.M.Said Anwar S/o Muhammed Haji, Parakkulangara House, Muthuvallur.	135/2015-16/ Gr/DOM/M- 2778/15 dtd.23/3/16	Granites	1/-	Kannamangalam	Thirurangadi	Malappuram	1.2 Ares	23/3/2016	22/3/2017	700000	N.A.
101	E.K.Abdul Azeez, E.K.C.Granite Kannamangalam.	136/2015-16/ Gr/DOM/M- 1277/15 dtd.28/3/16	Granites	1/-	Kannamangalam	Thirurangadi	Malappuram	9.71 Ares	23/3/2016	22/3/2017	75000	N.A.

Table 2d: List of Quarrying Permit granted under CRPS for Laterite Building Stone

Sl no.	Concession holder's name and address	Concession no.	Mineral	Survey no.	Village	Taluk	District	Area(ha)	Valid from	Valid to	Consolidated royalty(Rs)
1	Faisal A c Akayi Cholakkal House Pang South P.O	01/2015- 16/Lt/Dom/m- 815/15 Dt 20/04/2015	Laterite	157/7	Kuruva	Perinthalmanna	Malappuram	10 Ares	20/04/2015	19/04/2016	75000
2	V K Ibrahim Velladath Kurukayil house Edayur North P.O	02/2015- 16/Lt/Dom/m/ 794/15 dt 20/04/2015	Laterite	21	Kuruvambalam	Perinthalmanna	Malappuram	10 Ares	20/04/2016	19/04/2016	75000
3	P Mujeeb S/o Veeran kutty Areppara House Puthur Pallikkal P.O	03/2015- 16/Lt/Dom/M/ 859/15 dt 22/04/2015	Laterite	416/1	Pallikkal	Kondotty	Malappuram	10 Ares	22/04/2015	21/04/2016	75000
4	Achuthan Nair Ambalakkatt House Edayur North P.o	4/2015-16 Dom/M/ 843/15 dtd22/04/2015	Laterite	162/3	Irimbiliyam	Tirur	Malappuram	10 Ares	22/04/2015	21/04/2016	75000
5	Ajmal Thaha S/o Ali Kakkattu Chakkumthodi House Cheruvayoor P.O	05/2015- 16/Lt/Dom/m- 838/15 dtd 22/04/2015	Laterite	226/1	Vazhakkad	Kondotty	Malappuram	10 Ares	22/04/2015	21/04/2016	75000
6	Hassan Kutty Pezhungattil House Cheekkode P.O	06/2015- 16/Lt/Dom/m- 831/15 dtd 22/04/2015	Laterite	167/18	Cheekode	Kondotty	Malappuram	10 Ares	22/04/2016	21/04/2017	75000
7	Muhammed T S/o Veeran haji Thayyil Melathra House Makkarapparamb P.O	07/2015- 16/Lt/Dom/m- 835/15 dtd 23/04/2015	Laterite	51/5	Vadaakkangara	Perinthalmanna	Malappuram	9.72 Ares	23/04/2015	22/04/2016	75000
8	Abdurahiman K S/o Ahammed Ambalapparambil House Chembrakkattur P.O Areacode , Pin:673639	08/2015- 16/Lt/Dom/m- 836/15 dtd 23/04/2015	Laterite	50/4	Kuzhimanna	Kondotty	Malappuram	9.72 Ares	23/04/2015	22/04/2016	75000
9	Shihabudheen K S/o Ummer Manjikkal House Chembrakkattur Areacode	09/2015- 16/Lt/Dom/m- 837/15 dtd 23/04/2015	Laterite	88/18	Kuzhimanna	Kondotty	Malappuram	9.71 Ares	23/04/2015	22/04/2016	75000

10	V C Muhammed Kutty Vadake Cholakkal House Ullanam North P.O Pin:676303	10/2015- 16/Lt/Dom/m- 868/15 dtd 27/04/2016	Laterite	101	Peruvallur	Kondotty	Malappuram	10 Ares	27/04/2015	26/04/2016	75000
11	K P Sreedharan S/o Velukutti Sree Nilayam Palikkal	11/2015- 16/Lt/Dom/m- 903/15 dtd 27/04/2015	Laterite	322/1	Cheekode	Kondotty	Malappuram	10 Ares	27/04/2015	26/04/2016	75000
12	M C Ibrahim Palekattu Kundil House Olamathil P.O	12/2015- 16/Lt/Dom/m- 935/15 dtd 27/04/2015	Laterite	72/6	Vettikkattiri	Eranad	Malappuram	10 Ares	27/04/2015	26/04/2016	75000
13	P . Muhammed Thadathil House Ugrapuram P.O	13/2015- 16/Lt/Dom/m- 823/15 dtd 27/04/2015	Laterite	32/B1 Sy No.1/1	Areacode	Eranad	Malappuram	10 Ares	27/04/2015	26/04/2016	75000
14	Mujeeb Rahman Koradan House Chengottur P.o	14/2015- 16/Lt/Dom/m- 866/15 dtd 27/04/2015	Laterite	496/3,4	Kuruva	Perinthalmanna	Malappuram	20 Ares	27/04/2015	26/04/2016	150000
15	Chekkutty Vellakkanakath House Karekkad P.O	15/2015- 16/Lt/Dom/m- 945/15 dtd 27/04/2015	Laterite	251/9	Kuruva	Perinthalmanna	Malappuram	20 Ares	27/04/2015	26/04/2016	150000
16	Ismail Chalakkathodi House Mongam P.O	16/2015- 16/Lt/Dom/m- 886/15 dtd 27/04/2015	Laterite	59/A	Morayur	Kondotty	Malappuram	10 Ares	27/04/2015	26/04/2016	75000
17	Hussain V K Valakkundil House Kadambode P.O Pandallur pin:676521	17/2015- 16/Lt/Dom/m- 262/15 dtd 27/04/2015	Laterite	83/3	Pandallur	Eranad	Malappuram	10 Ares	27/04/2015	26/04/2016	75000
18	Baiju K S S/o Bani K V Kalan Paramabath House Kundur P O	18/2015- 16/Lt/Dom/m- 929/15 dtd 29/04/2015	Laterite	102/1	Kuruva	Perinthalmanna	Malappuram	20 Ares	29/04/2015	28/04/2016	150000
19	Muhammed Kutty Veshnam Para House Edayur P.O	19/2015- 16/Lt/Dom/m- 934/15 dtd 29/04/2015	Laterite	251/9	Kuruva	Perinthalmanna	Malappuram	10 Ares	29/04/2015	28/04/2016	75000

20	Abu Thahir S/o Kunhali kutty Pandikkadavath House Oorakam Melmuri	20/2015- 16/Lt/Dom/m- 988/15 dtd 29/04/2015	Laterite	Q18/1158	Melmuri	Eranad	Malappuram	10 Ares	29/04/2015	28/04/2016	75000
21	Abu Thahir S/o Kunhali kutty Pandikkadavath House Oorakam Melmuri	21/2015- 16/Lt/Dom/m- 911/15 dtd 29/04/2015	Laterite	138/7	Koottilangadi	Perinthalmanna	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
22	K Muhammed Kaithara House Kavanoor	22/2015- 16/Lt/Dom/m- 1022/15 dtd04/05/2015	Laterite	109/1,2	Payyanad	Eranad	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
23	Sirajuddin E K Eriyakkalam House Pookkottur P.O	23/2015- 16/Lt/Dom/m- 865/15 dtd 04/05/2015	Laterite	5/2	Mankada	Perinthalmanna	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
24	Muhammed Basheer Varikkodan House Randathani P.O	24/2015- 16/Lt/Dom/m- 910/15 dtd 04/05/2015	Laterite	1	Edayur	Tirur	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
25	Abdul Rafeeqe S/o Muhammed Cheriyambadan Kudukkil House Valiyaparamb	25/2015- 16/Lt/Dom/m- 1013/15 dtd 04/05/2015	Laterite	25/1	Muthuvallur	Kondotty	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
26	Alavi Oorakkottil House Vellila P.O	26/2015- 16/Lt/Dom/m- 851/15 dtd 04/05/2015	Laterite	5/2	Mankada	Perinthalmanna	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
27	Sulaiman Muduvatta House Palikkal P.O	27/2015- 16/Lt/Dom/m- 869/15 dtd 04/05/2015	Laterite	5/1	Mankada	Perinthalmanna	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
28	Aboobacker T V Thottupadath Valappil House Alangode P.O	28/2015- 16/Lt/Dom/m- 957/15 dtd 04/05/2015	Laterite	332/1B	Naduvattam	Tirur	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
29	Ali Mammad P S/o Moideen Akkara House Valluvabram	29/2015- 16/Lt/Dom/m- 985/15 dtd 04/05/2015	Laterite	268/1pt	Morayur	Kondotty	Malappuram	10 Ares	05-04-2015	05-03-2016	75000

30	K M Saidalavi S/o Kunhappukutty Haji Manayil House Mundakkal	30/2015- 16/Lt/Dom/m- 976/15 dtd 04/05/2015	Laterite	17/1	Muthuvallur	Kondotty	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
31	T A Aboobacker Thazhe Ayyangal House Mundakkal	31/2015- 16/Lt/Dom/m- 976/15 dtd 04/05/2015	Laterite	23/2	Muthuvallur	Kondotty	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
32	P Basheer S/o Muhammed Vellaram Parakkal House Olamathil P.O	32/2015- 16/Lt/Dom/m- 904/15 dtd 04/05/2015	Laterite	Q17-1022	Melmuri	Eranad	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
33	Chandrababu Mannavakkal House Olamathil P.o	33/2015- 16/Lt/Dom/m- 857/15 dtd 04/05/2015	Laterite	Q17- 1024	Melmuri	Eranad	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
34	P V Unnimoyin S/o Ahammed Kutty Pattaakkal Vadakkayil House Vilayil PO	34/2015- 16/Lt/Dom/m- 902/15 dtd 04/05/2015	Laterite	298/4	Cheekode	Kondotty	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
35	Shihabudheen S/o Beeran Cholayil House Vilayil P.o	35/2015- 16/Lt/Dom/m- 913/15 dtd 04/05/2015	Laterite	320/10	Cheekode	Kondotty	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
36	Ubaid K S/o Mammu Kuriyedath House Kadampuzha P.o	36/2015- 16/Lt/Dom/m- 1077/15 dtd 04/05/2015	Laterite	458/3	Ponmala	Tirur	Malappuram	20 Ares	05-04-2015	05-03-2016	150000
37	P Abdu rahman Palisseri house Ernad P.O	37/2015- 16/Lt/Dom/m- 848/15 dtd 04/05/2015	Laterite	5/2,4/3	Mankada	Perinthalmanna	Malappuram	10 Ares	05-04-2015	05-03-2016	75000
38	Sainudheen S/o Koyakutti Ponnoth House Cheroor P.O	37/2015- 16/Lt/Dom/m- 971/15 dtd 06/05/2015	Laterite	152/1	Kannamangalam	Thirurangadi	Malappuram	10 Ares	05-06-2015	05-05-2016	75000
39	V P Siddiqueu haji S/o Moideen Valaparamban House Karulayi	39/2015- 16/Lt/Dom/m- 1030/15 dtd 06/05/2015	Laterite	66/8pt	Wandoor	Nilamabur	Malappuram	10 Ares	05-06-2015	05-05-2016	75000

40	Muhammed P Palapra House Pandallur P.o	40/2015- 16/Lt/Dom/m- 853/15 dtd 06/05/2015	Laterite	4/3,5/1,2	Mankada	Perinthalmanna	Malappuram	10 Ares	05-06-2015	05-05-2016	75000
41	Muhammed Abdul Liyakkath S/o Chekku Haji Koorimannil Kazhukkunnummal House Kadambode P.o	41/2015- 16/Lt/Dom/m- 804/15 dtd 06/05/2015	Laterite	168/pt	Anakkayam	Eranad	Malappuram	10 Ares	05-06-2015	05-05-2016	75000
42	M Chandran Mandalath House Oorakam Melmuri	42/2015- 16/Lt/Dom/m- 854/15 dtd 06/05/2015	Laterite	132/pt	Oorakam	Thirurangadi	Malappuram	10 Ares	05-06-2015	05-05-2016	75000
43	Muhammed Nazar M K S/o Moosa Mathari Kunmath House Kadambode P.o 676521	43/2015- 16/Lt/Dom/m- 1036/15 dtd 06/05/2015	Laterite	77/1	Pandallur	Eranad	Malappuram	10 Ares	05-06-2015	05-05-2016	75000
44	Ibrahim Kutti Kuruvambra House Pulpatt	44/2015- 16/Lt/Dom/m- 860/15 dtd 06/05/2015	Laterite	4/3	Mankada	Perinthalmanna	Malappuram	10 Ares	05-06-2015	05-05-2016	75000
45	Haneefa P K S/o Alavikutti Poodamkuttiyil House Peruvallur	45/2015- 16/Lt/Dom/m- 1073/15 dtd 06/05/2015	Laterite	62/4	Peruvallur	Thirurangadi	Malappuram	10 Ares	05-06-2015	05-05-2016	75000
46	Abdul Hakkim Panampuzha Mannamthodi House Melmuri P.o	46/2015- 16/Lt/Dom/m- 1009/15 dtd 06/05/2015	Laterite	35	Panakkad	Eranad	Malappuram	10 Ares	05-06-2015	05-05-2016	75000
47	Abdul Rasheed S/o Kunhimuhammed Parakadavath House Kottakkal	47/2015- 16/Lt/Dom/m- 901/15 dtd 06/05/2015	Laterite	166/3	Irimbiliyam	Tirur	Malappuram	20 Ares	05-06-2015	05-05-2016	150000
48	P Musthafa S/o Abdul Khadar Puthukulangara padi House Mannoor P.O Kadalundi via	48/2015- 16/Lt/Dom/m- 847/15 dtd 06/05/2015	Laterite	28/5	Kondotty	Kondotty	Malappuram	10 Ares	05-06-2015	05-05-2016	75000

49	Kunhimuhammed K S/o Moideen Kutti Kanneth House Cheroor P.o	49/2015- 16/Lt/Dom/m- 997/15 dtd 06/05/2015	Laterite	389	Kannamangalam	Thirurangadi	Malappuram	10 Ares	05-06-2015	05-05-2016	75000
50	Choyikkutti Alias Manu kkuttan Edam veed Pallikkal	50/2015- 16/Lt/Dom/m- 993/15 dtd 06/05/2015	Laterite	240/5	Chelambra	Kondotty	Malappuram	10 Ares	05-06-2015	05-05-5016	75000
51	Alavi Haji S/o Muhammed Haji Mathari Meleveettil Hosue Kadambode P.o	51/2015- 16/Lt/Dom/m- 954/15 dtd 08/05/2015	Laterite	77/1	Pandallur	Eranad	Malappuram	10 Ares	05-08-2015	05-07-2016	75000
52	Abdul Noufal S/o Veeran Eriyakkalam House Pookkottur P.o	52/2015- 16/Lt/Dom/m- 922/15 dtd 08/05/2015	Laterite	Q19-1550	Melmuri	Eranad	Malappuram	10 Ares	8/5//2015	05-07-2016	75000
53	Noorudheen S/o Musthafa Madakkal House Valavannur	53/2015- 16/Lt/Dom/m- 1077/15 dtd 08/05/2015	Laterite	458/3	Ponmala	Tirur	Malappuram	10 Ares	05-08-2015	05-07-2016	75000
54	Shaji K S/o Kunhi Moideen Kaliyath House Irimbiliyam	54/2015- 16/Lt/Dom/m- 1099/15 dtd 08/05/2015	Laterite	4/3	Mankada	Perinthalmanna	Malappuram	10 Ares	05-08-2015	05-07-2016	75000
55	K Abdul Salam S/o Hydros keyath Hosue Pookkottur P.O	55/2015- 16/Lt/Dom/m- 969/15 dtd 08/05/2015	Laterite	553/1A1B	Malappuram	Eranad	Malappuram	10 Ares	05-08-2015	05-07-2016	75000
56	P P Abdul Jaleel Pallyali peediyekkal House Melmuri P.O	56/2015- 16/Lt/Dom/m- 1047/15 dtd 11/05/2015	Laterite	395	Pookkottur	Eranad	Malappuram	10 Ares	05-11-2015	05-10-2016	75000
57	K P Nasheed S/o Hamza Kangattu Parakkal Vadakkangara	57/2015- 16/Lt/Dom/m- 1121/15 dtd 11/05/2015	Laterite	138/1	Koottilangadi	Perinthalmanna	Malappuram	10 Ares	05-11-2015	05-10-2016	75000
58	P N Faisal S/o Moosa Palempadiyan House Koottilangadi P.O	58/2015- 16/Lt/Dom/m- 1120/15 dtd 11/05/2015	Laterite	138/1	Koottilangadi	Perinthalmanna	Malappuram	20 Ares	05-11-2015	05-10-2016	150000

59	Abdul Hakheem S/o Moosa Haji Panampuzha Mannamthodi H Melmuri	59/2015- 16/Lt/Dom/m- 1075/15 dtd 11/05/2015	Laterite	5/2	Mankada	Perinthalmanna	Malappuram	20 Ares	05-11-2015	05-10-2016	150000
60	Mammad M S/o Moosa Moyikkal House Mariyad P.O	60/2015- 16/Lt/Dom/m- 1074/15 dtd 11/05/2015	Laterite	Q17-1024	Melmuri	Eranad	Malappuram	10 Ares	08-11-2015	05-10-2016	75000
61	Muhammed Sulaiman Alangadan House Choonur Chengottur P.O	61/2015- 16/Lt/Dom/m- 912/15 dtd 11/05/2015	Laterite	341/1B2	Kuruva	Perinthalmanna	Malappuram	20 Ares	05-11-2015	05-10-2016	150000
62	Abdul Nazar C M S/o Moideen Kutti Cholakkal Melethil House Athipatta Edayyur	62/2015- 16/Lt/Dom/m- 923/15 dtd 13/05/2015	Laterite	411/4	Edayur	Tirur	Malappuram	10 Ares	13/5/2015	05-12-2016	75000
63	Moideen Kutty S/o Kunhi kammu Maliyakkal House Edayur P.o	63/2015- 16/Lt/Dom/m- 856/15 dtd 13/05/2015	Laterite	290	Edayur	Tirur	Malappuram	10 Ares	13/5/2015	05-12-2016	75000
64	Abdul Samad S/o Komu Haji Panakkath House Kannamangalam P.O	64/2015- 16/Lt/Dom/m- 1025/15 dtd 13/05/2015	Laterite	154/2B	Kannamangalam	Thirurangadi	Malappuram	10 Ares	13/5/2015	05-12-2016	75000
65	K Babu S/o Krishnana nair Kandiylil House kayalam Kozhikkode	65/2015- 16/Lt/Dom/m- 980/15 dtd 13/05/2015	Laterite	464/1	Vazhakkad	Kondotty	Malappuram	10 Ares	13/5/2015	05-12-2016	75000
66	Kunhimuhammed Vathukattil House Edayur North P.o	66/2015- 16/Lt/Dom/m- 840/15 dtd 13/05/2015	Laterite	241/1	Moorkanad	Perinthalmanna	Malappuram	10 Ares	13/5/2015	05-12-2016	75000
67	K V Abdul Rasak Kalluvallappil House Edayur P.O	67/2015- 16/Lt/Dom/m- 839/15 dtd 13/05/2015	Laterite	110/1	Edayur	Tirur	Malappuram	10 Ares	13/5/2015	05-12-2016	75000
68	Shihabudheen S/o Alavi Poozhithara House Pang South	68/2015- 16/Lt/Dom/m- 1139/15 dtd 13/05/2015	Laterite	240/A	Moorkanad	Perinthalmanna	Malappuram	20 Ares	13/5/2015	05-12-2016	75000
69	Abdul Hakkim S/o Muhammed Haji Ennakkod House Pulpatta	69/2015- 16/Lt/Dom/m- 892/15 dtd 13/05/2015	Laterite	1024	Melmuri	Eranad	Malappuram	10 Ares	13/5/2015	05-12-2016	75000

70	Abdul Abdul Rasak M P S/o Muhammed Palikkutti chaili House Kavanoor P.o	70/2015- 16/Lt/Dom/m- 1043/15 dtd 15/05/2015	Laterite	BL 58 355/7	Pulpatta	Eranad	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
71	Arumughan Cholakkal House Kolathur P.o	71/2015- 16/Lt/Dom/m- 867/15 dtd 15/05/2015	Laterite	290/9	Moorkanad	Perinthalmanna	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
72	Noorul Hassan S/o Abdurahiman Mundakapparambil House Irivetti	72/2015- 16/Lt/Dom/m- 1134/15 dtd 15/05/2015	Laterite	56/2	Kavanoor	Eranad	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
73	A P Saidalavi S/o Athraman Kutty Adangan Paravan House Kavanoor	73/2015- 16/Lt/Dom/m- 1023/15 dtd 15/05/2015	Laterite	144/pt	Kavanoor	Eranad	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
74	Haridasan Palikkara S/o Imbichi Palikkara House Parambil Peedika	74/2015- 16/Lt/Dom/m- 972/15 dtd 15/05/2015	Laterite	154/2A	Kannamangalam	Thirurangadi	Malappuram	20 Ares	15/5/2015	14/5/2016	150000
75	Abdul Salam S/o Kammu kutti Palakkal House Karippur	75/2015- 16/Lt/Dom/m- 1049/15 dtd 15/05/2015	Laterite	151/1A1	Peruvallur	Thirurangadi	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
76	P Muhammed S/o Kunhalan Pathunr House Pookkottur	76/2015- 16/Lt/Dom/m- 1116/15 dtd 15/05/2015	Laterite	BL 59 229	Pulpatta	Eranad	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
77	Kunhi Muhammed S/o Abu Thulunadan House Kurumbathur	77/2015- 16/Lt/Dom/m- 1125/15 dtd 15/05/2015	Laterite	292/2B	Kuttippuram	Tirur	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
78	K k Shoukath Ali S/o Kunhu Muhammed Karuvakunnan House Oorangattiri	78/2015- 16/Lt/Dom/m- 1129/15 dtd 15/05/2015	Laterite	BL 21 113/2	Kizhuparamb	Eranad	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
79	Kunhahammed K M s/o Abdulla kutti Karaparamban House Pang P.O	79/2015- 16/Lt/Dom/m- 1127/15 dtd 15/05/2015	Laterite	251/6A	Kuruva	Perinthalmanna	Malappuram	14 Cent	15/5/2015	14/5/2016	75000

80	KunhiMuhammad S/o Mammutti Cheladan Chalu Valappil H Karekkad	80/2015- 16/Lt/Dom/m- 1130/15 dtd 15/05/2015	Laterite	495/7,8,9	Kuruva	Perinthalmanna	Malappuram	9.1 Ares	15/5/2015	14/5/2016	75000
81	Noufal S/o Hameed Vadacke chailil House Thottada	81/2015- 16/Lt/Dom/m- 1041/15 dtd 15/05/2015	Laterite	208	Kannamangalam	Thirurangadi	Malappuram	20 Ares	15/5/2015	14/5/2016	150000
82	Musthafa K S/o Muhammed Kizhakkethil House Indianoor	82/2015- 16/Lt/Dom/m- 1042/15 dtd 15/05/2015	Laterite	93/2	Ponmala	Tirur	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
83	M Hamsz haji S/o Muhammed Haji Mulanthippulan House Indianoor	83/2015- 16/Lt/Dom/m- 982/15 dtd 15/05/2015	Laterite	BL 41 413/3	Ponmala	Tirur	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
84	T K Ahammed Kutti Thirunnavaaya Kalathil house Pazhoor Kuttippuram	84/2015- 16/Lt/Dom/m- 897/15 dtd 15/05/2015	Laterite	364/1,2	Naduvattam	Tirur	Malappuram	10 Ares	15/5/2015	14/5/2016	75000
85	Shihabudheen S/o Muhammed Puthukkudi House A R Nagar P.O	85/2015- 16/Lt/Dom/m- 982/15 dtd 18/05/2015	Laterite	413/3 BL 41	Ponmala	Tirur	Malappuram	20 Ares	18/5/2015	17/5/2016	150000
86	Jaifar Sadiqe S/o Moideen kutti Haji Karippa Paliyali House Kuzhimanna	86/2015- 16/Lt/Dom/m- 1034/15 dtd 18/05/2015	Laterite	BL 30 29/3	Kavanoor	Eranad	Malappuram	10 Ares	18/5/2015	17/5/2016	75000
87	2	87/2015- 16/Lt/Dom/m- 1221/15 dtd 18/05/2015	Laterite	152/2A	Kannamangalam	Thirurangadi	Malappuram	10 Ares	18/5/2015	17/5/2016	75000
88	C Salim S/o Aboobacker Choorakkuth House Keezhattor	88/2015- 16/Lt/Dom/m- 977/15 dtd 18/05/2015	Laterite	149/1A1	melattur	Perinthalmanna	Malappuram	10 Ares	18/5/2015	17/5/2016	75000
89	V K Basheer S/o Abu Vettekkodan House Poonthavanam	89/2015- 16/Lt/Dom/m- 906/15 dtd 18/05/2015	Laterite	13/8	Valambur	Perinthalmanna	Malappuram	10 Ares	18/5/2015	17/5/2016	75000
90	N Narayanan S/o Ayyappan Naduvakkad House Elayur	90/2015- 16/Lt/Dom/m- 1128/15 dtd 18/05/2015	Laterite	BL 29 56/2pt	Kavanoor	Eranad	Malappuram	10 Ares	18/5/2015	17/5/2016	75000

91	M P Suhair S/o Ahmed Kutti Paliyaili House Puthur Pallikkal House	91/2015- 16/Lt/Dom/m- 1239/15 dtd 18/05/2015	Laterite	BL 9 212/2	Pulikkal	Kondotty	Malappuram	10 Ares	18/5/2015	17/5/2016	75000
92	Ashraf K M Kiliyamanni House Pang South P.O Malappuram	92/2015- 16/Lt/Dom/m- 984/15 dtd 18/05/2015	Laterite	73	Edayur	Tirur	Malappuram	10 Ares	18/5/2015	17/5/2016	75000
93	Unnikrishnan P P S/o Velayudhan Pandarapparambil House Kadampuzha	93/2015- 16/Lt/Dom/m- 1008/15 dtd 18/05/2015	Laterite	210/1A	Kuruvalambalam	Perinthalmanna	Malappuram	10 Ares	18/5/2015	17/5/2016	75000
94	K V Siddique S/o Moidutty Kaliyar Vattath House Valiyakunnu	94/2015- 16/Lt/Dom/m- 905/15 dtd 18/05/2015	Laterite	210/1A	Irimbiliyam	Tirur	Malappuram	10 Ares	18/5/2015	17/5/2016	75000
95	E Pradeesh S/o Subrahmanian Itteppadan House Pang Malappuram	95/2015- 16/Lt/Dom/m- 974/15 dtd 18/05/2015	Laterite	100/1	Kuruva	Perinthalmanna	Malappuram	10 Ares	18/5/2015	17/5/2016	75000
96	Fayis Thaikadan S/o Haneefa Thaikadan Thaikadan House Indianoor Pin: 676503 Malappuram	96/2015- 16/Lt/Dom/m- 1011/15 dtd 20/05/2015	Laterite	BL 42 92/1	Ponnala	Tirur	Malappuram	15.37 Ares	20/5/2015	19/5/2016	150000
97	Muhammed Rafeeqe Chungath House Thirurkkad P O Pin:679321 Malappuram	97/2015- 16/Lt/Dom/m- 936/15 dtd 20/05/2015	Laterite	106/7	Vadakkangara	Perinthalmanna	Malappuram	10 Ares	20/5/2015	19/5/2016	75000
98	C k Mirshad S/o Aboobacker Choorali kunnath House Vaillapuzha	98/2015- 16/Lt/Dom/m- 1037/15 dtd 20/05/2015	Laterite	204/1	Oorngattiri	Eranad	Malappuram	10 Ares	20/5/2015	19/5/2016	75000
99	M Najumudheen S/o Soopy Narangatt House Karipoor	99/2015- 16/Lt/Dom/m- 1180/15 dtd 20/05/2015	Laterite	BL 11 238/2	Pallikkal	Kondotty	Malappuram	10 Ares	20/5/2015	19/5/2016	75000
100	Theyyambattil Musthafa S/o Moideen Kutty Theyyambattil House Punnathala	100/2015- 16/Lt/Dom/m- 1085/15 dtd 20/05/2015	Laterite	194/1	Athavanad	Tirur	Malappuram	20 Ares	20/5/2015	19/5/2016	150000

101	Majeed S/o Kunhu Muhammed Kambran House Kuttoor North P.O	101/2015- 16/Lt/Dom/m- 1145/15 dtd 20/05/2015	Laterite	45	Kannamangalam	Thirurangadi	Malappuram	10 Ares	20/5/2015	19/5/2016	75000
102	C K Assanar S/o Kunhimuhammed Hajji Chevidikkunna House Pandikkad	102/2015- 16/Lt/Dom/m- 983/15 dtd 20/05/2015	Laterite	379/1	Vettikkattiri	Eranad	Malappuram	10 Ares	20/5/2015	19/5/2016	75000
103	Abdul Hameed P S/o Alavi Puthalath House Olakara P.O	103/2015- 16/Lt/Dom/m- 1178/15 dtd 20/05/2015	Laterite	152/1	Kannamangalam	Thirurangadi	Malappuram	10 Ares	20/5/2015	19/5/2016	75000
104	Palari Sajid S/o Kunhu Muhammed Palari House Oorakam Melmuri	104/2015- 16/Lt/Dom/m- 1260/15 dtd 20/05/2015	Laterite	387/1A	Kannamangalam	Thirurangadi	Malappuram	10 Ares	20/5/2015	19/5/2016	75000
105	Abdul Majeed S/o Kunhalavi Kambrath House Kadampuzha	105/2015- 16/Lt/Dom/m- 1124/15 dtd 20/05/2015	Laterite	80/1A	Melmuri	Tirur	Malappuram	10 Ares	20/5/2015	19/5/2016	75000
106	Yahiya Kaliyar Vattath House Valiyakunnu Valancheri	106/2015- 16/Lt/Dom/m- 849/15 dtd 20/05/2015	Laterite	1	Edayur	Tirur	Malappuram	10 Ares	20/5/2015	19/5/2016	75000
107	K V Ishak S/o Muhammed Kanniyath Vellankath House Pulpatta	107/2015- 16/Lt/Dom/m- 1237/15 dtd 22/05/2015	Laterite	517/1/4	Oorangattiri	Eranad	Malappuram	10 Ares	22/5/2015	21/5/2016	75000
108	Abdul Gafoor P t S/o Asees Peerakkathodi House Perassannur	108/2015- 16/Lt/Dom/m- 1001/15 dtd 22/05/2015	Laterite	534	Kuttippuram	Tirur	Malappuram	10 Ares	22/5/2015	21/5/2016	75000
109	Habeeb Rahman S/o Aliamu Kundipparuthi House Perassannur	109/2015- 16/Lt/Dom/m- 1000/15 dtd 22/05/2015	Laterite	533/1	Kuttippuram	Tirur	Malappuram	10 Ares	22/5/2015	21/5/2016	75000
110	E .Siddique S/o Chekkutti Eleyedath House Vettaam, Pallippuram	110/2015- 16/Lt/Dom/m- 996/15 dtd 22/05/2015	Laterite	533/1	Kuttippuram	Tirur	Malappuram	10 Ares	22/5/2015	21/5/2016	75000

111	Mammu M S/o Kunhimuhammed Machincheri House Edayur North P.O	111/2015- 16/Lt/Dom/m- 1205/15 dtd 22/05/2015	Laterite	237/1	Edayur	Tirur	Malappuram	10 Ares	22/5/2015	21/5/2016	75000
112	E. Ahmmed S/o Saithalavi Edathatt House Pallikkal	112/2015- 16/Lt/Dom/m- 2215/15 dtd 22/05/2015	Laterite	208	Kannamangalam	Thirurangadi	Malappuram	10 Ares	22/5/2015	21/5/2016	75000
113	Shoukthali S/o Hyder Kalleppuram House Pallikkal	113/2015- 16/Lt/Dom/m- 1254/15 dtd 22/05/2015	Laterite	208	Kannamangalam	Thirurangadi	Malappuram	10 Ares	22/5/2015	21/5/2016	75000
114	Khaleefa S/o Alavi kuty Paravakkal House Oorakam Memluri	114/2015- 16/Lt/Dom/m- 1018/15 dtd 22/05/2015	Laterite	1147 Q 18	Melmuri	Ernad	Malappuram	10 Ares	22/5/2015	21/5/2016	75000
115	Muhammed Akbar P P S/o Muhammed Haji Parappurath House Omachapuzha	115/2015- 16/Lt/Dom/m- 1255/15 dtd 22/05/2015	Laterite	50/2	Ozhur	Tirur	Malappuram	9 Ares	22/5/2015	21/5/2016	75000
116	Ajayakumar K V Kaippuda Malayil House Parambil Peedika	116/2015- 16/Lt/Dom/m- 1254/15 dtd 22/05/2015	Laterite	229/1	Pallikkal	Tirur	Malappuram	10 Ares	22/5/2015	21/5/2016	75000
117	Muhammed Asharf K P S/o Moideen Koya Kallianathop paramb House Puthur Pallikkal	117/2015- 16/Lt/Dom/m- 1282/15 dtd 22/05/2015	Laterite	199/1A	Kannamangalam	Thirurangadi	Malappuram	10 Ares	22/5/2015	21/5/2016	75000
118	P Moideen Koya S/o Ali Paloth House P.O Pallikkal	118/2015- 16/Lt/Dom/m- /15 dtd 22/05/2015	Laterite	101	Peruvallur	Thirurangadi	Malappuram	8.09 Ares	22/5/2015	21/5/2016	75000
119	Sudheesh P S/o Sathyapalan Panathil House Cheroor	119/2015- 16/Lt/Dom/m- 1294/15 dtd 25/05/2015	Laterite	380/1	Kannamangalam	Thirurangadi	Malappuram	5 Ares	25/5/2015	24/5/2016	75000
120	Siddique P T Panathodi House Valamcheri	120/2015- 16/Lt/Dom/m- 325/15 dtd 25/05/2015	Laterite	1	Irimbiliyam	Tirur	Malappuram	10 Ares	25/5/2015	24/5/2016	75000
121	K M Mammad Kutty S/o Hassan Kutti Kuttikavil House Vallyaparamb	121/2015- 16/Lt/Dom/m- 1236/15 dtd 25/05/2015	Laterite	141/5 BI No. 9	Pulikkal	Kondotty	Malappuram	10 Ares	25/5/2015	24/5/2016	75000

122	Sharafudeen S/o Muhammed Kazhakkunnummal House Pullancheri, Manjeri	122/2015- 16/Lt/Dom/m- 1295/15 dtd 25/05/2015	Laterite	112/1 BI No. 51	Manjeri	Ernad	Malappuram	10 Ares	25/5/2015	24/5/2016	75000
123	Yoosafali N P S/o Alavi Kutti Nharappulan House Oorakam Kizhmiri	123/2015- 16/Lt/Dom/m- 1312/15 dtd 25/05/2015	Laterite	44/1 BI No. 38	Ooragam	Thirurangadi	Malappuram	10 Ares	25/5/2015	24/5/2016	75000
124	Muhammed Asharaf K S/o Abdulla Kunnath House Malayamma P.O	124/2015- 16/Lt/Dom/m- 1089/15 dtd 25/05/2015	Laterite	556/ BI No. 31	Areacode	Ernad	Malappuram	10 Ares	25/5/2015	24/5/2016	75000
125	P Abdul Kareem S/o Rayin Kutty Ambala Kulambad Puthur Pallikkal	125/2015- 16/Lt/Dom/m- 1320/15 dtd 25/05/2015	Laterite	181	Kannamangalam	Thirurangadi	Malappuram	15.78 Ares	25/5/2015	24/5/2016	75000
126	Abdul Rasak S/o Alavi Kutti Pananiath House Thrikkalangode	126/2015- 16/Lt/Dom/m- 1211/15 dtd 25/05/2015	Laterite	274/10	Elankur	Ernad	Malappuram	10 Ares	25/5/2015	24/5/2016	75000
127	M Hameed S/o Moideen Kutti Melethil House Vallyakunnu	127/2015- 16/Lt/Dom/m- 1332/15 dtd 27/05/2015	Laterite	150/2	Kattipparuthi	Tirur	Malappuram	10 Ares	27/5/2015	26/5/2016	75000
128	P P Ibrahim S/o Hamsa Puliypattappa House Valancheri	128/2015- 16/Lt/Dom/m- 1190/15 dtd 27/05/2015	Laterite	380/1c	Kuttippuram	Tirur	Malappuram	10 Ares	27/5/2015	26/5/2016	75000
129	Saithalavi S/o Hassaihar Pariyarth House Kottaikal Kuttippuram	129/2015- 16/Lt/Dom/m- 1237(A)/15 dtd 27/05/2015	Laterite	492/4 BI No. 39	Kottakkal	Tirur	Malappuram	10 Ares	27/5/2015	26/5/2016	150000
130	A Ayyappan Sreesaliam Kummunipparamm	130/2015- 16/Lt/Dom/m- 1359/15 dtd 27/05/2015	Laterite	54/1	Kannamangalam	Thirurangadi	Malappuram	20 Ares	27/5/2015	26/5/2016	150000
131	E K Abdu S/o Muhammed Iriya Kalathil House Pookkottur	131/2015- 16/Lt/Dom/m- 1193/15 dtd 27/05/2015	Laterite	Q.18 1177	Melmuri	Ernad	Malappuram	10 Ares	27/5/2015	26/5/2016	75000
132	E K Abdu S/o Muhammed Iriya Kalathil House Pookkottur	132/2015- 16/Lt/Dom/m- 1194/15 dtd 27/05/2015	Laterite	Q.19 1551	Melmuri	Ernad	Malappuram	19 Ares	27/5/2015	26/5/2016	150000

133	Muhammed Shareef Thekkancheri Parakkalathil House Perumanna	133/2015- 16/Lt/Dom/m- 820/15 dtd 29/05/2015	Laterite	295	Irimbiliyam	Tirur	Malappuram	9.7 Ares	29/5/2015	28/5/2016	75000
134	Muhammed Rafeeqe S/o Muhammed Kooliyodan House Mullampara	134/2015- 16/Lt/Dom/m- 1287/15 dtd 29/05/2015	Laterite	138/1, 139	Koottilangadi	Perinthalmanna	Malappuram	10 Ares	29/5/2015	28/5/2016	75000
135	Sadiqe P N S/o Yoosaf Palembidiyan House Koottilangadi	135/2015- 16/Lt/Dom/m- 1266/15 dtd 01/06/2015	Laterite	140/1	Koottilangadi	Perinthalmanna	Malappuram	10 Ares	06-01-2015	31/5/2016	75000
136	M Hussain S/o Muhammed Madakkan House Kottakkal	136/2015- 16/Lt/Dom/m- 1336/15 dtd 01/06/2015	Laterite	332/15	Kottakkal	Tirur	Malappuram	10 Ares	06-01-2015	31/5/2016	75000
137	Hamza S/o Muhammed Kuzhikkadan House Pandallur P.o	137/2015- 16/Lt/Dom/m- 1044/15 dtd 01/06/2015	Laterite	91/2	Pandallur	Eranad	Malappuram	10 Ares	06-01-2015	31/5/2016	75000
138	Aboobacker Mullappalli House Pazhamallur P.O	138/2015- 16/Lt/Dom/m- 925/15 dtd 01/06/2015	Laterite	76/2	Kuruva	Perinthalmanna	Malappuram	5.7 Ares	06-01-2015	31/5/2016	75000
139	Abbas M T S/o Hamza Malleerithodi House Pang South	139/2015- 16/Lt/Dom/m- 1081/15 dtd 01/06/2015	Laterite	251/10	Kuruva	Perinthalmanna	Malappuram	10 Ares	06-01-2015	31/5/2016	75000
140	Mayin Kutti S/o Rayin Kutti Ambalukulambad House Puthur Pallikkal	140/2015- 16/Lt/Dom/m- 1328/15 dtd 03/06/2015	Laterite	163/1	Kuzhimanna	Kondotty	Malappuram	10 Ares	06-03-2015	06-02-2016	75000
141	K Mammad S/o Veeravunni Kolathumad Puthur pallikkal	141/2015- 16/Lt/Dom/m- 1233/15 dtd 03/06/2015	Laterite	BI No. 10 316/1	Pallikkal	Kondotty	Malappuram	04 Ares	06-03-2015	06-02-2016	75000
142	Abdurahiman K C S/o Muhammed Kutti Kaniyath Cholayil House Pulikkal	142/2015- 16/Lt/Dom/m- 1430/15 dtd 03/06/2015	Laterite	BI No. 9 9/9	Pulikkal	Kondotty	Malappuram	10 Ares	06-03-2015	06-02-2016	75000

143	Anwar Sadiq Kuzhimabattillo House Cheruvayur	143/2015- 16/Lt/Dom/m- 1369/15 dtd 03/06/2015	Laterite	BI No. 13 ,65/2	Muthuvallur	Kondotty	Malappuram	10 Ares	06-03-2015	06-02-2016	75000
144	Abdul Salam S/o Usman Karat House Thachinganadam	144/2015- 16/Lt/Dom/m- 1273/15 dtd 03/06/2015	Laterite	44/3	Nenmini	Perinthalmanna	Malappuram	10 Ares	06-03-2015	06-02-2016	75000
145	Aliyamu S/o Kunhumoideen Pullattil House Kadampuzha	145/2015- 16/Lt/Dom/m- 1140/15 dtd 03/06/2015	Laterite	79	Melmuri	Eranad	Malappuram	10 Ares	06-03-2015	06-02-2016	75000
146	Ismail K M Kiliyammnil House Pang South P.O	146/2015- 16/Lt/Dom/m- 1431(A)/15 dtd 03/06/2015	Laterite	118 66/2	Pulamanthole	Perinthalmanna	Malappuram	10 Ares	06-03-2015	06-02-2016	75000
147	Sameeh K M Kiliyammnil House Pang South P.O	147/2015- 16/Lt/Dom/m- 1335(A)/15 dtd 03/06/2015	Laterite	251/17B	Kuruva	Perinthalmanna	Malappuram	10 Ares	06-03-2015	06-02-2016	75000
148	K M Muhammadali Kiliyammnil House Pang South	148/2015- 16/Lt/Dom/m- 1301/15 dtd 03/06/2015	Laterite	251/17 B	Kuruva	Perinthalmanna	Malappuram	10 Ares	06-03-2015	06-02-2016	75000
149	Ayoob T S/o Avaran Pattamethodi House Edayur P.O	149/2015- 16/Lt/Dom/m- 1396(A)/15 dtd 03/06/2015	Laterite	151	Irimbiliyam	Tirur	Malappuram	10 Ares	06-03-2015	06-02-2016	75000
150	Usman A K S/o Moidu Haji Aylakkara House Thachinganadam	150/2015- 16/Lt/Dom/m- 1396/15 dtd 05/06/2015	Laterite	592/pt	Payyanad	Eranad	Malappuram	10 Ares	06-05-2015	06-04-2016	75000
151	C P Muhammed Choorappian House Manjeri	151/2015- 16/Lt/Dom/m- 1249/15 dtd 05/06/2015	Laterite	47/5	Koottiliangadi	Perinthalmanna	Malappuram	10 Ares	06-05-2015	06-04-2016	75000
152	M P Riyas S/o Assainar Madari Palliyalil House Kadambode	152/2015- 16/Lt/Dom/m- 1396/15 dtd 05/06/2015	Laterite	91/4	Pandallur	Eranad	Malappuram	10 Ares	06-05-2015	06-04-2016	75000
153	Sulaiman K S/o Muhammed Kadakkodan House Thozhuvanoor	153/2015- 16/Lt/Dom/m- 1372/15 dtd 05/06/2015	Laterite	251/17B	Kuruva	Perinthalmanna	Malappuram	10 Ares	06-05-2015	06-04-2016	75000

154	Suneesh A Athipparambath House Kumminipparamb	154/2015- 16/Lt/Dom/m- 1371/15 dtd 06/06/2015	Laterite	65/8	Cherukavu	Kondotty	Malappuram	10 Ares	06-06-2015	06-05-2016	75000
155	V P Siddique Haji S/o Kunhimoyin Valamparambath House Karulayi	155/2015- 16/Lt/Dom/m- 1432/15 dtd 06/06/2015	Laterite	90/pt	Pullipadam	Nilamabur	Malappuram	10 Ares	06-06-2015	06-05-2016	75000
156	K P Saidalavi S/o Ali Vilakkathil House Colony Road Kondotty	156/2015- 16/Lt/Dom/m- 1142/15 dtd 06/06/2015	Laterite	BI No.37 132/pt	Ooragam	Thirurangadi	Malappuram	10 Ares	06-06-2015	06-05-2016	75000
157	Abdusamad Kari S/o Muhammed Kari House Nediyiruppu	157/2015- 16/Lt/Dom/m- 1402/15 dtd 06/06/2015	Laterite	100/9	Morayur	Kondotty	Malappuram	10 Ares	06-06-2015	06-05-2016	75000
158	K Shajahan S/o Muhammed Kuttikkattil House Chembakkuth	158/2015- 16/Lt/Dom/m- 1357/15 dtd 06/06/2015	Laterite	BI No. 75 85/13	Thiruvalli	Nilamabur	Malappuram	10 Ares	06-06-2015	06-05-2016	75000
159	M K Muhammedali S/o Alavi Kutti Thekkumparambil Parambil Peedika	159/2015- 16/Lt/Dom/m- 1179/15 dtd 06/06/2015	Laterite	70/2	Thennala	Thirurangadi	Malappuram	10 Ares	06-06-2015	06-05-2016	75000
160	Ibrahim Kutti Kalleth Karuvalappil House Kadampuzha	160/2015- 16/Lt/Dom/m- 1262/15 dtd 06/06/2015	Laterite	17/1	Kattipparuthi	Tirur	Malappuram	10 Ares	06-06-2015	06-05-2016	75000
161	Abdurasak S/o Mayin Kutti Kambrath House Ponnala	161/2015- 16/Lt/Dom/m- 1475/15 dtd 06/06/2015	Laterite	Q 18 1174	Melmuri	Eranad	Malappuram	20 Ares	06-06-2015	06-05-2016	75000
162	Abu Thaahir P K S/o Kunhali Kutti Ooragam, Melmuri	162/2015- 16/Lt/Dom/m- 1476/15 dtd 06/06/2015	Laterite	Q 18 1174	Melmuri	Eranad	Malappuram	10 Ares	06-06-2015	06-05-2016	75000
163	O. Velayudhan S/o Thami Odengattil Vadakkumpuram	163/2015- 16/Lt/Dom/m- 1480/15 dtd 06/06/2015	Laterite	219/1	Edayur	Tirur	Malappuram	10 Ares	06-06-2015	06-05-2016	75000
164	K M Abdulla S/o Veeran Moideen Madathil House Vallyaparamb	164/2015- 16/Lt/Dom/m- 1458/15 dtd 22/06/2015	Laterite	193/1pt	Muthuvallur	Kondotty	Malappuram	10 Ares	22/6/2015	21/6/2016	75000

165	Noushad S/o Muhammed Kanhirathingal Vaiyaparamb	165/2015- 16/Lt/Dom/m- 1456/15 dtd 22/06/2015	Laterite	202/1	Muthuvallur	Kondotty	Malappuram	10 Ares	22/6/2015	21/6/2016	75000
166	Siraj K S/o Muhammed Kalathingal House Vallikkapatta	166/2015- 16/Lt/Dom/m- 1418/15 dtd 22/06/2015	Laterite	8/1B	Mankada	Perinthalmanna	Malappuram	20 Ares	22/6/2015	21/6/2016	75000
167	Pareekutti Haji M K Mannungal Kannamthodi House Pulamanthole	167/2015- 16/Lt/Dom/m- 1238/15 dtd 22/06/2015	Laterite	63/5	Pulamanthole	Perinthalmanna	Malappuram	10 Ares	22/6/2015	21/6/2016	75000
168	Abdul Kareem S/o Kunhimuhammed Chalattil Kalladithodi Melmuri	168/2015- 16/Lt/Dom/m- 1370/15 dtd 22/06/2015	Laterite	1141/pt	Melmuri	Eranad	Malappuram	10 Ares	22/6/2015	21/6/2016	75000
169	Dasan.K.P.S/o Chekkutty, Cholayil House, Areacode.P.O.	169/2015- 16/Lt/Dom/m- 926/15 dtd 29/06/2015	Laterite	Bl.21, 50/4	Keezhuparamb	Eranad	Malappuram	10 Ares	29/6/2015	28/6/2016	75000
170	Abdul Jaleel.V.T., S/o Muhammed, Vadakkethodika, Pulpatta.	170/2015- 16/Lt/Dom/m- 1568/15 dtd 30/06/2015	Laterite	310/2	Pulpatta	Eranad	Malappuram	10 Ares	30/6/2015	29/6/2016	75000
171	Muhammed Shafi.M.S/o Ahammed Kutty, Puthiya veettil House, Kadambod.	171/2015- 16/Lt/Dom/m-1292 /15 dtd 30/06/2015	Laterite	24/1	Pandallur	Eranad	Malappuram	10 Ares	30/6/2015	29/6/2016	75000
172	Shihabuddin, S/o Hamza, Mannamkada House , Nellikuth;	172/2015- 16/Lt/Dom/m-1527 /15 dtd 30/06/2015	Laterite	152/4	Payyanad	Eranad	Malappuram	10 Ares	30/6/2015	29/6/2016	75000
173	V.P.Abdurahiman, S/o Marakkur, Vaiyapeediyekkal House,Chattiparamb	173/2015- 16/Lt/Dom/m-1471 /15 dtd 01/07/2015	Laterite	9/7	Ponnala	Tirur	Malappuram	10 Ares	01/07/015	30/6/2016	75000
174	P.T.Anilkumar, Parammathodi House, Vadakkunpuram	174/2015- 16/Lt/Dom/m-1299 /15 dtd 01/07/2015	Laterite	219/1	Edayur	Tirur	Malappuram	20 Ares	01/07/015	30/6/2016	150000
175	P.Muneer S/o Mammad, Valancheri kunnath,House, Thrippanachi, Palakkad.P.O.Malappuram Dist.	175/15- 16/Lt/Dom/m-1311 /15 dtd 01/07/2015	Laterite	100/4	Panthallur	Eranad	Malappuram	10 Ares	01/07/015	30/6/2016	75000

176	P.Anwar S/o Muhammed, Noorengal House, Melmuri.	176/15- 16/Lt/Dom/m-1526 /15 dtd 01/07/2015	Laterite	Q.18-1176	Melmuri	Eranad	Malappuram	10 Ares	01/07/015	30/6/2016	75000
177	Kunhayamu.K.S/o Moideenkutti, Karengal House, Edayur.	177/15- 16/Lt/Dom/m-1368 /15 dtd 01/07/2015	Laterite	219/2A	Edayur	Tirur	Malappuram	20 cent (8.09 Ares)	01/07/015	30/6/2016	75000
178	Parameswaran S/o Krishnan Nair, Palliyallil House, Vadakkumbaram.P.O.	178/15- 16/Lt/Dom/m-1147 /15 dtd 01/07/2015	Laterite	418/1	Edayur	Tirur	Malappuram	10 Ares	01/07/015	30/6/2016	75000
179	Sakeer Hussain S/o Veerankutti, Kappungal House, Keezhattoor.	179/15- 16/Lt/Dom/m-1300 /15 dtd 01/07/2015	Laterite	51/2	Nenmini	Perinthalmanna	Malappuram	10 Ares	01/07/015	30/6/2016	75000
180	V.T.Akbar S/o Muhammed, Vallyathoei House, Poonthanam.P.O.	180/15- 16/Lt/Dom/m-1455 /15 dtd 01/07/2015	Laterite	13/8	Valambur	Perinthalmanna	Malappuram	10 Ares	01/07/015	30/6/2016	75000
181	Moideenkutti S/o Muhammed, Karikkuzhi House, Vallyaparamb.	181/15- 16/Lt/Dom/m-1462 /15 dtd 03/07/2015	Laterite	144/6	Pulikkal	Kondotty	Malappuram	10 Ares	03/07/015	07-02-2016	75000
182	T.C.Aboobacker, S/o Unnikoya, Chembra House, P.O.Pulikkal.	182/15- 16/Lt/Dom/m-1713 /15 dtd 03/07/2015	Laterite	Bl.6- 265	Vazhayoor	Kondotty	Malappuram	10 Ares	03/07/015	07-02-2016	75000
183	Muhammed Rafi, S/o Mammad, Melepediyekkal House, Vadakkumbtam .	183/15- 16/Lt/Dom/m- 1210/15 dtd 03/07/2015	Laterite	219/1	Edayur	Tirur	Malappuram	10 Ares	03/07/015	07-02-2016	75000
184	Ahammed Villan S/o Abdulla Haji, Villan House, Chappanangadi	184/15- 16/Lt/Dom/m- 1339/15 dtd 03/07/2015	Laterite	108/1B, 1A	Kodur	Perinthalmanna	Malappuram	10 Ares	03/07/015	07-02-2016	75000
185	Shamsul Haque S/o Moosa, Kuzhukkattil, Valakulam .P.O.	185/15- 16/Lt/Dom/m- 1600/15 dtd 03/07/2015	Laterite	61/2 A	Keezhattoor	Perinthalmanna	Malappuram	10 Ares	03/07/015	07-02-2016	75000
186	Muhammed Haris, S/o Said Muhammed, V.M.R.House, Perinthalmanna.	186/15- 16/Lt/Dom/m- 999/15 dtd 03/07/2015	Laterite	66/1	Pulamanthole	Perinthalmanna	Malappuram	10 Ares	03/07/015	07-02-2016	75000

187	Sooraj Babu, S/o Muhammed Kunhippa, Pothukattil House, Pariyapuram.	187/15-16/Lt/Dom/m-1045/15 dtd 03/07/2015	Laterite	75/	Pulamanhole	Perinthalmanna	Malappuram	10 Ares	03/07/015	07-02-2016	75000
188	C.T.Nazar, S/O Abdulla, Chunangattuthodi.	188/15-16/Lt/Dom/m-1192/15 dtd 03/07/2015	Laterite	5/7	Kuruwambalam	Perinthalmanna	Malappuram	10 Ares	03/07/015	07-02-2016	75000
189	Kunhimoideenkutti S/o Muhammed, Ulleerithodi House, Karekkad.	189/15-16/Lt/Dom/m-1459/15 dtd 06/07/2015	Laterite	73	Edayur	Tirur	Malappuram	6.5 Ares (16 Cemt)	07-06-2015	07-05-2016	75000
190	Kunheethu S/o Pareedutti, Konnakattil, Vadakkumbaram.	190/15-16/Lt/Dom/m-1291/15 dtd 06/07/2015	Laterite	73	Edayur	Tirur	Malappuram	10 Ares	07-06-2015	07-05-2016	75000
191	Abdul Rasheed S/o Kunhi Muhammed, Parakkadavath, Kottakkal.	191/15-16/Lt/Dom/m-1206/15 dtd 06/07/2015	Laterite	389/1	Kottakkal	Tirur	Malappuram	20 Ares	07-06-2015	07-05-2016	150000
192	K.P.Muhammed Kutti S/o Alavi, Mundath House, Anthiyoorkunnu.	192/15-16/Lt/Dom/M-1547/15 dtd 06/07/2015	Laterite	Q18-1158	Melmuri	Eranad	Malappuram	10 Ares	07-06-2015	07-05-2016	75000
193	U.T.Muhammed Kutti Ulleerithodi House, Karekkad.P.O.	193/15-16/Lt/Dom/M-1003/15 dtd 06/07/2015	Laterite	73	Edayur	Tirur	Malappuram	10 Ares	07-06-2015	07-05-2016	75000
194	Rafeeq.P.K.S/o Kammu, Perinkalleri House, Karippur.P.O.	194/15-16/Lt/Dom/M-1662/15 dtd 08/07/2015	Laterite	Bl.11-240/2	Pallikkal	Kondotty	Malappuram	10 Ares	07-08-2015	07-07-2016	75000
195	K.Kunhimoideen S/o Komu, Kandamkari House, Puthoor Pallikkal.	195/15-16/Lt/Dom/M-1457/15 dtd 08/07/2015	Laterite	202/1 pt	Muthuvallur	Kondotty	Malappuram	10 Ares	07-08-2015	07-07-2016	75000
196	MuhammedKutti S/o Kunhimoideenkutti Mulanhipulakkal House, Indianoor	196/15-16/Lt/Dom/M-1082/15 dtd 08/07/2015	Laterite	323 (Bl.40)	Kottakkal	Tirur	Malappuram	10 Ares	07-08-2015	07-07-2016	75000
197	M.Kunhunneen S/o Alavikutti, Mulanhipulakkal House, Indianoor.	197/15-16/Lt/Dom/M-1257/15 dtd 08/07/2015	Laterite	325/7	Kottakkal	Tirur	Malappuram	10 Ares	07-08-2015	07-07-2016	75000

198	Koyappukottaran S/o Kunhi Muhammed, Kottaran House, Indianoor.	198/15-16/Lt/Dom/M-1256/15 dtd 08/07/2015	Laterite	320/	Kottakkal	Tirur	Malappuram	10 Ares	07-08-2015	07-07-2016	75000
199	Yousafali.T.S/o Muhammed, Tharayil House, Pazhamallur.	199/15-16/Lt/Dom/M-1204/15 dtd 08/07/2015	Laterite	291/2	Moorkanad	Perinthalmanna	Malappuram	10 Ares	07-08-2015	07-07-2016	75000
200	P.Abdulla S/o Muhammed, Pulparambil House, Cheruvayoor.	200/15-16/Lt/Dom/M-1566/15 dtd 10/07/2015	Laterite	272	Vazhakkad	Kondotty	Malappuram	10 Ares	07-10-2015	07-09-2016	75000
201	K.T.Abdul Salam S/o Ahammed Kutty, Kolathodi House, Olavattur.P.O.	201/15-16/Lt/Dom/M-1570/15 dtd 10/07/2015	Laterite	B.-19- 230/1/2	Vazhakkad	Kondotty	Malappuram	10 Ares	07-10-2015	07-09-2016	75000
202	Muhammed Iqbal S/o Abdurahiman Kutty, Manakka Padikkal House, Thrikkannapuram.	202/15-16/Lt/Dom/M-1133/15 dtd 10/07/2015	Laterite	414/1 B	Thavanur	Ponnani	Malappuram	10 Ares	07-10-2015	07-09-2016	75000
203	Veerankutty Haji. S/o Moosa kutti Haji, Veetikalthodi Hose, Puliyaikkod.	203/15-16/Lt/Dom/M-1274/15 dtd 10/07/2015	Laterite	Bl.33- 344/9	Kuzhimanna	Kondotty	Malappuram	10 Ares	07-10-2015	07-09-2016	75000
204	T.P.Hassan S/o Muhammed Kutty, Thazhathe Peediyekkal House, Kadampuzha.	204/15-16/Lt/Dom/M-1055/15 dtd 10/07/2015	Laterite	181/	Melmuri	Tirur	Malappuram	10 Ares	07-10-2015	07-09-2016	75000
205	Rasheed S/o Pokku, Parangodath House, Valavannur.	205/15-16/Lt/Dom/M-1406/15 dtd 10/07/2015	Laterite	418/1	Edayur	Tirur	Malappuram	10 Ares	07-10-2015	07-09-2016	75000
206	Unni.K.S/o Kunhikkari, Kanukulath Madu, Peruvallur.	206/15-16/Lt/Dom/M-1668/15 dtd 10/07/2015	Laterite	141/1(BI.9)	Peruvallur	Thirurangadi	Malappuram	10 Ares	07-10-2015	07-09-2016	75000
207	Shaju.P.S/o Ayyappunni, Punathil House, Kadakad.	207/15-16/Lt/Dom/M-1664/15 dtd 10/07/2015	Laterite	141/1(BI.9)	Peruvallur	Thirurangadi	Malappuram	10 Ares	07-10-2015	07-09-2016	75000
208	Girish Babu, S/o Damodaran Nair, Kallingalthodi, Ooragam Melmuri.	208/15-16/Lt/Dom/M-1718/15 dtd 13/07/2015	Laterite	142/5	Pookkottur	Ernad	Malappuram	10 Ares	13/7/2015	07-12-2016	75000

209	Moidu.M.S/o Kirthu Molla, Manikkamthodi House, Kunakavu.P.O.	209/15- 16/Lt/Dom/M- 1306/15 dtd 13/07/2015	Laterite	17	Elamkulam	Perinthalmanna	Malappuram	10 Ares	13/7/2015	07-12-2016	75000
210	N.C.Rajesh, S/ Velayudhan Kutti. Ayodhya House, Puthoor Pallikkal	210/15- 16/Lt/Dom/M- 1283/15 dtd 13/07/2015	Laterite	Bl.11/ 26/2-2	Pallikkal	Kondotty	Malappuram	10 Ares	13/7/2015	07-12-2016	75000
211	Muhammed Rafeeq S/o Abdul Khader, Pulloor Valappil House, Kappur, Palaghat.	211/15- 16/Lt/Dom/M- 1529/15 dtd 13/07/2015	Laterite	260/4	Alankod	Ponnani	Malappuram	6 Cent	13/7/2015	07-12-2016	75000
212	Smt.Saifunneesa, Karumanni House, Iringallur, Vengara.	212/15- 16/Lt/Dom/M- 1582/15 dtd 15/07/2015	Laterite	414/13	Ponnala	Tirur	Malappuram	10 Ares	15/7/2015	14/7/2016	75000
213	Usman Kutti S/o Alavikutti Thanikkal House, Kadampuzha.	213/15- 16/Lt/Dom/M- 1562/15 dtd 15/07/2015	Laterite	102/3	Kuruva	Perinthalmanna	Malappuram	10 Ares	15/7/2015	14/7/2016	75000
214	Abdusamad S/o Komu Hajai, Panakkath House, Kannamangalam.P.O.	214/15- 16/Lt/Dom/M- 1717/15 dtd 15/07/2015	Laterite	154/2 A	Kannamangalam	Thirurangadi	Malappuram	10 Ares	15/7/2015	14/7/2016	75000
215	Azeez.M.S/o Moidu, Manhalingal House, Vazhenkada.	215/15- 16/Lt/Dom/M- 1460/15 dtd 20/07/2015	Laterite	379/1	Aliparamb	Perinthalmanna	Malappuram	10 Ares	20/7/2015	19/7/2016	75000
216	Azeez.M.S/o Moidu, Manhalingal House, Vazhenkada.	216/15- 16/Lt/Dom/M- 1461/15 dtd 20/07/2015	Laterite	379/1	Aliparamb	Perinthalmanna	Malappuram	10 Ares	20/7/2015	19/7/2016	75000
217	Aabdul Salam, S/o Hudrose, Keyath House, Pookkottur.	217/15- 16/Lt/Dom/M- 1657/15 dtd 20/07/2015	Laterite	122-	Kodur	Perinthalmanna	Malappuram	10 Ares	20/7/2015	19/7/2016	75000
218	P.Musthafa S/o Ayamu Hajji, Pallikkara House, Chengottur.	218/15- 16/Lt/Dom/M- 932/15 dtd 20/07/2015	Laterite	383/1A1	Kuruva	Perinthalmanna	Malappuram	20 Ares	20/7/2015	19/7/2016	150000
219	Hussain S/o Muhammed Hajji, Mulanhippulan House, Indiannoor	219/15- 16/Lt/Dom/M- 1415/15 dtd 20/07/2015	Laterite	325/7	Kottakkal	Tirur	Malappuram	9.3 Ares	20/7/2015	19/7/2016	75000

220	E.K.Aboobacker S/o Abdurahiman, Eanthenkuzhiyan House, Pulpatta.P.O.	220/15- 16/Lt/Dom/M- 1714/15 dtd 24/08/2015	Laterite	54/1	Vadakkangara	Perinthalmanna	Malappuram	10 Ares	24/8/2015	23/8/2016	75000
221	Muhammed Musthafa S/o Abdul Khader, Mallekkattu Purayil House, Aikkarapadi.	221/15- 16/Lt/Dom/M- 1739/15 dtd 24/08/2015	Laterite	331/5 (Bl.16)	Cheekode	Kondotty	Malappuram	10 Ares	24/8/2015	23/8/2016	75000
222	P.C.Abdurahiman, Kalpakavadi House, Valavannur.	222/15- 16/Lt/Dom/M- 1790/15 dtd 24/08/2015	Laterite	108/1	Cheriyamundam	Tirur	Malappuram	10 Ares	24/8/2015	23/8/2016	75000
223	Mujeeb.P.P.S/o Muhammed Haji, Pallattil House, Nellikuth.	223/15- 16/Lt/Dom/M- 1551/15 dtd 25/08/2015	Laterite	8/1 A	Mankada	Perinthalmanna	Malappuram	10 Ares	25/8/2015	24/8/2016	75000
224	Shaji.A.K.S/o Kunhappu, Adhikarimanammal Kuriyedath House, P.O.Vaillikkunnu.	224/15- 16/Lt/Dom/M- 1861/15 dtd 26/08/2015	Laterite	41/2	Peruvallur	Thirurangadi	Malappuram	6 Ares	26/8/2015	25/8/2016	75000
225	M.P.Suhair S/oAhammedkutty, Palliyalil House, P.O.Puthoor Pallikka.	225/15- 16/Lt/Dom/M- 1817/15 dtd 26/08/2015	Laterite	207/1	Pallikkal	Kondotty	Malappuram	10 Ares	26/8/2015	25/8/2016	75000
226	Ishak.P., S/o Kunhimuhammed, Pattungal House, Pandallur.	226/15- 16/Lt/Dom/M- 1636/15 dtd 01/09/2015	Laterite	84/5	Pandallur	Ernad	Malappuram	08.71 Ares	09-01-2015	30/8/2016	75000
227	Muhammed Nechiyan S/o Veeran, Nechiyan House, Olavattoor.P.O.	227/15- 16/Lt/Dom/M- 1355/15 dtd 01/09/2015	Laterite	215	Panakkad	Ernad	Malappuram	9.71 Ares	09-01-2015	30/8/2016	75000
228	shafeeq Thayyil s/o Alavi, thayyil house ,pazhamallur po	228/15- 16/Lt/Dom/M- 1374/15 dtd 04/09/2015	Laterite	41/2,4	Kuruva	Perinthalmanna	Malappuram	10 Ares	04-09-2015	03-09-2016	75000
229	K.P Sreedaran, sree Nilayam ,pallikkal po	229/15- 16/Lt/Dom/M- 1558/15 dtd 04/09/2015	Laterite	280/6	Cheekode	Kondotty	Malappuram	24 Cents	04-09-2015	03-09-2016	75000
230	Mujeebrahman ,vadakkepediyekkal house ,vadakkumbaram po	230/15- 16/Lt/Dom/M- 1302/15 dtd 04/09/2015	Laterite	362/4	Melmuri	Tirur	Malappuram	10 Ares	04-09-2015	03-09-2016	75000

231	Mp ,Haneefa ,s/o Muhammed, meleppediyekkal house ,vadakkumbaram po.	231/15-16/Lt/Dom/M-1584/15 dtd 04/09/2015	Laterite	218/1	Edayur	Tirur	Malappuram	10 Ares	09-04-2015	09-03-2016	75000
232	saifunnesa ,karukamannil house, Iringaloor po	232/15-16/Lt/Dom/M-1564/15 dtd 04/09/2015	Laterite	390/1	Kottakkal	Tirur	Malappuram	10 Ares	09-04-2015	09-03-2016	75000
233	muhammed Iqbal S/o moidheenkutty, Eranjithodi house, Mankada po	233/15-16/Lt/Dom/M-1007/15 dtd 04/09/2015	Laterite	61/2	Mankada	Perinthalmanna	Malappuram	10 Ares	09-04-2015	09-03-2016	75000
234	Afsal N. s/o Usman ,Neermunda house, Meppadam	234/15-16/Lt/Dom/M-1845/15 dtd 04/09/2015	Laterite	87/1	Thiruvalli	Nilamabur	Malappuram	10 Ares	09-04-2015	09-03-2016	75000
235	Alavikutti .p s/o kunhipokker, palliyil house,pang po	235/15-16/Lt/Dom/M-1766/15 dtd 07/09/2015	Laterite	1/1A	Pulamanthole	Perinthalmanna	Malappuram	10 Ares	09-07-2015	09-06-2016	75000
236	Basheer p ,s/o Muhammed,vellaramparakkal house, mongum po	236/15-16/Lt/Dom/M-1366/15 dtd 07/09/2015	Laterite	Q 17-1025	Melmuri	Ernad	Malappuram	10 Ares	09-07-2015	09-06-2016	75000
237	Rasheedali, s/o, Chekkumhammed ,ottakanjirathingal house,Kuzhimanna po.	237/15-16/Lt/Dom/M-1366/15 dtd 07/09/2015	Laterite	483/1/1	Vazhakkad	Kondotty	Malappuram	20 Ares	09-07-2015	09-06-2016	150000
238	kuttai, s/o velayuldahan ,thekatharambu house, olavattur po.	238/15-16/Lt/Dom/M-1050/15 dtd 07/09/2015	Laterite	222/1	Pulikkal	Kondotty	Malappuram	10 Ares	09-07-2015	09-06-2016	75000
239	Ahdul sathar .s/o Moidheen kutti,, Edampurath house, chruvayoor po	239/15-16/Lt/Dom/M-1078/15 dtd 07/09/2015	Laterite	01-Jun	vettilapara	Ernad	Malappuram	10 Ares	09-07-2015	09-06-2016	75000
240	Hussain s/o Aboobacker ,kariparambath house ,kadampuzha po	240/15-16/Lt/Dom/M-1141/15 dtd 07/09/2015	Laterite	263	Melmuri	Tirur	Malappuram	10 Ares	09-07-2015	09-06-2016	75000
241	cheenikkal Komu, s/o Muhammed kutti ,cheenikkal house, Indianoor po.	241/15-16/Lt/Dom/M-1503/15 dtd 07/09/2015	Laterite	227/6	Kottakkal	Tirur	Malappuram	9.5 Ares	09-07-2015	09-06-2016	75000

242	K ,Hamza ,s/o ,Jneenkutty, kunnath house ,vellilla po.	242/15-16/Lt/Dom/M-1095/15 dtd 07/09/2015	Laterite	378/1,2 ,392/1	Aliparamb	Perinthalmanna	Malappuram	10 Ares	09-07-2015	09-06-2016	75000
243	KPC ,Ibrahim ,s/o Aboobacker ,parakottil house ,Neeswaram ,mukkam .	243/15-16/Lt/Dom/M-1431/15 dtd 07/09/2015	Laterite	193/3	Kavanoor	Ernad	Malappuram	10 Ares	09-07-2015	09-06-2016	75000
244	Noushad ,s/o Avarankutti, karuthedath house, Indianoor po	244/15-16/Lt/Dom/M-1844/15 dtd 07/09/2015	Laterite	314	Kottakkal	Tirur	Malappuram	10 Ares	09-07-2015	09-06-2016	75000
245	Ibrahim ,s/o ,Avarankutti, karuthedath house, Indianoor,	245/15-16/Lt/Dom/M-1765/15 dtd 07/09/2015	Laterite	284/1	Kottakkal	Tirur	Malappuram	10 Ares	09-07-2015	09-06-2016	75000
246	Abdurahman ,K, s/o Ummer ,padijarekundil house, Trippanach po.	246/15-16/Lt/Dom/M-2049/15 dtd 07/09/2015	Laterite	76/24	Narukara	Ernad	Malappuram	10 Ares	09-09-2015	09-06-2016	75000
247	Noorudheen S/o Musthafa Madakkal House Valavannur	247/15-16/Lt/Dom/M-2058/15 dtd 09/09/2015	Laterite	21	karuvambalam	Perinthalmanna	Malappuram	10 Ares	09-07-2015	09-06-2016	75000
248	sidhique pallipuram ,s/o Pocker, pallipuram ,Indianoor po	248/15-16/Lt/Dom/M-1565/15 dtd 11/09/2015	Laterite	227/6	Kottakkal	Tirur	Malappuram	20 Ares	09-11-2015	09-10-2016	150000
249	Hamzakutti cp, s/o Husasin, chundampatta house, Thootha po	249/15-16/Lt/Dom/M-1603/15 dtd 11/09/2015	Laterite	221	pathaikara	Perinthalmanna	Malappuram	10 Ares	09-11-2015	09-10-2016	75000
250	Balu thekkinkattil ,s/o Balakrishnan ,thekkinkattil house, kadannamanna po	250/15-16/Lt/Dom/M-2124/15 dtd 11/09/2015	Laterite	01-May	Mankada	Perinthalmanna	Malappuram	9.72 Ares	09-11-2015	09-10-2016	75000
251	Mehaboobrahman ,s/o ,Moosa ,kottakkadan house ,kizhuparambu po	251/15-16/Lt/Dom/M-2092/15 dtd 14/09/2015	Laterite	289/13,14	Kizhuparamb	Ernad	Malappuram	10 Ares	14/9/2015	13/9/2016	75000
252	Manniachail Ibrahim ,s/o kunhalan ,manniachail house, Olamathil po.	252/15-16/Lt/Dom/M-1635/15 dtd 14/09/2015	Laterite	Q-17-1005	Melmuri	Ernad	Malappuram	10 Ares	14/9/2015	13/9/2016	75000

253	Ashkar Ali PK ,s/o ,Ahammedkutti,pattakkan kunithala house, cheekkod po.	253/15-16/Lt/Dom/M-2057/15 dtd 14/09/2015	Laterite	298/3	Cheekode	Kondotty	Malappuram	10 Ares	14/9/2015	13/9/2016	75000
254	velligara Balakrishnan ,s/o knuhipuravan ,velligara house, kannamangalam po	254/15-16/Lt/Dom/M-1670/15 dtd 16/09/2015	Laterite	199/1A	Kannamangalam	Thirurangadi	Malappuram	12 Cents	16/9/2015	15/9/2016	75000
255	Muhammed kp ,s/o ,Rayin mammad,kadakkulath pookkattu house, puthoor pallikkal	255/15-16/Lt/Dom/M-1856/15 dtd 16/09/2015	Laterite	341/2	Pallikkal	Kondotty	Malappuram	9.04 Ares	16/9/2015	15/9/2016	75000
256	Safia ,w/o ,kanneth Muhammed,Areekan house, cheroor po	256/15-16/Lt/Dom/M-1781/15 dtd 16/09/2015	Laterite	56/2	Kannamangalam	Thirurangadi	Malappuram	20 Ares	16/9/2015	15/9/2016	150000
257	CH . Shareef s/o , Aboobacker, cholakkath house, Indianoor, kottakkal	257/15-16/Lt/Dom/M-1609/15 dtd 16/09/2015	Laterite	240 A	Moorkanad	Thirurangadi	Malappuram	20 Ares	16/9/2015	15/9/2016	150000
258	Muraleedharan, s/o velu,machingal house, vadkkumbram po	258/15-16/Lt/Dom/M-1209/15 dtd 16/09/2015	Laterite	219/2 ,219/1	Edayur	Tirur	Malappuram	8.9 Ares	16/9/2015	15/9/2016	75000
259	Ummerali, s/o Koyakutti, thathrampalli house, Indianoor po	259/15-16/Lt/Dom/M-2069/15 dtd 16/09/2015	Laterite	12	Melmuri	Tirur	Malappuram	10 Ares	16/9/2015	15/9/2016	75000
260	Anilkumar ,s/o ,Govindan Nair,vadakkumthani house, vallikkunnu po	260/15-16/Lt/Dom/M-2036/15 dtd 16/09/2015	Laterite	487/1	vallikkunnu	Thirurangadi	Malappuram	10 Ares	16/9/2015	15/9/2016	75000
261	Muhammed Navas ,s/o ,saidhalavi ,Anthoor house, moorkkanad, po	261/15-16/Lt/Dom/M-1666/15 dtd 16/09/2015	Laterite	292/2A,2B	Kuttippuram	Tirur	Malappuram	10 Ares	16/9/2015	15/9/2016	75000
262	Abdul shafeeq mp. s/o Alavi kurikkal ,mancheri puthen peediyekkal house ,Thamarasserri po	262/15-16/Lt/Dom/M-2093/15 dtd 16/09/2015	Laterite	160/1	Payyanad	Tirur	Malappuram	18 Cents	16/9/2015	15/9/2016	75000

263	T. veeramn Haji, s/o ,Moosa Haji, Tharakan house ,Thrikkalangod po	263/15-16/Lt/Dom/M-2150/15 dtd 16/09/2015	Laterite	7-1,1	Pulikkal	Kondotty	Malappuram	10 Ares	16/9/2015	15/9/2016	75000
264	Abdul Fathah ,s/o, muhammed musiliyar ,paloli house, valiyakkunu po	264/15-16/Lt/Dom/M-1540/15 dtd 18/09/2015	Laterite	295	Irimbiliyam	Tirur	Malappuram	10 Ares	18/9/2015	17/9/2016	75000
265	V.K Basheer ,s/o, Abu ,vettekkodan house ,poonthavanam po	265/15-16/Lt/Dom/M-2068/15 dtd 18/09/2015	Laterite	52/3	Nenmini	Perinthalmanna	Malappuram	10 Ares	18/9/2015	17/9/2016	75000
266	Moidheen kutti, s/o Hamza ,Thayyan house ,koottiangadi , po	266/15-16/Lt/Dom/M-2063/15 dtd 18/09/2015	Laterite	53/3A	Vadakkangara	Perinthalmanna	Malappuram	10 Ares	18/9/2015	17/9/2016	75000
267	Muhammed EC ,s/o Pokker Haji,Elathola house ,koottiangadi ,	267/15-16/Lt/Dom/M-1843/15 dtd 18/09/2015	Laterite	55/1c	kuruva	Perinthalmanna	Malappuram	10 Ares	18/9/2015	17/9/2016	75000
268	Moidhu, s/o ,Kunhikkammu ,cholakkal house ,Kunnakkavu po	268/15-16/Lt/Dom/M-1213/15 dtd 23/09/2015	Laterite	1/2	Elamkulam	Perinthalmanna	Malappuram	5.36 Ares	23/9/2015	22/9/2016	75000
269	Abdul Shukkoor, Yaakki Paramban, Yakki ParambilHouse, Keezhuparamb.	269/15-16/Lt/Dom/M-2083/15 dtd 25/09/2015	Laterite	14.8	Keezhuparamb	Ernad	Malappuram	5.98 Ares	25/9/2015	24/9/2016	75000
270	Abdurahiman S/o Moideenkutty Haji, Kalluvappil House, Indianoor.	270/15-16/Lt/Dom/M-1581/15 dtd 28/09/2015	Laterite	208/7	Kodur	Perinthalmanna	Malappuram	10 Ares	28/9/2015	27/9/2016	75000
271	Muhammed S/o Valiya Alavi, Poonthala House, Kadambod.	271/15-16/Lt/Dom/M-2067/15 dtd 28/09/2015	Laterite	90/1	Pandallur	Ernad	Malappuram	10 Ares	28/9/2015	27/9/2016	75000
272	Muhammed.T.S/o Veeran Haji, Thayyil Melethra House, Makkaraparamb.	272/15-16/Lt/Dom/M-2246/15 dtd 28/09/2015	Laterite	51/5	Vadakkangara	Perinthalmanna	Malappuram	10 Ares	28/9/2015	27/9/2016	75000
273	Mohanan Maniyanveettil House, S/o Velayudhan, Maniyanveettil House, Kottakkal.	273/15-16/Lt/Dom/M-2155/15 dtd 28/09/2015	Laterite	331/3	Kottakkal	Tirur	Malappuram	15 cents	28/9/2015	27/9/2016	75000

274	Muhammed.V.P.S/o Ali, Parammal House, Pulpatta.	274/15- 16/Lt/Dom/M- 2079/15 dtd 28/09/2015	Laterite	173/3	Kavanoor	Ernad	Malappuram	10 Ares	28/9/2015	27/9/2016	75000
275	Abdul Salam S/o Kunhalankutty, Karikuzhi Variyath House, P.O.Valiyaparamb.	275/15- 16/Lt/Dom/M- 2110/15 dtd 28/09/2015	Laterite	243/3	Pulikkal	Kondotty	Malappuram	9.72 Ares	28/9/2015	27/9/2016	75000
276	N.Narayanan S/o Ayyappan, Naduvakad, Elayoor.P.O.	276/15- 16/Lt/Dom/M- 2131/15 dtd 30/09/2015	Laterite	135/2	Poroor	Nilamabur	Malappuram	9.72 Ares	30.9.2015	29.9.2015	75000
277	Habeeb Rahman S/o Abdul Salam, Palakkal House, Karippoor.	277/15- 16/Lt/Dom/M- 2184/15 dtd 5/10/2015	Laterite	216/9	Palikkal	Kondotty	Malappuram	9.72 Ares	10-05-2015	10-04-2015	75000
278	Babu S/o Divakaran, Cheruparakkal Purayil, Vazhakkad.	278/15- 16/Lt/Dom/M- 2257/15 dtd 5/10/2015	Laterite	289/19	Keezhuparamb	Ernad	Malappuram	19.42 Ares	10-05-2015	10-04-2016	150000
279	Suresh Babu S/o Arumughan, Velumbilakuzhi House, Cherugayoor.	279/15- 16/Lt/Dom/M- 2182/15 dtd 5/10/2015	Laterite	315/2	Vazhakkad	Ernad	Malappuram	19.43 Ares	10-05-2015	10-04-2016	150000
280	Abdul Hameed S/o Moidu, Palora House, Valancheri.	280/15- 16/Lt/Dom/M- 1305/15 dtd 5/10/2015	Laterite	533/1	Kuttiapuram	Tirur	Malappuram	4.15 Ares	10-05-2015	10-04-2016	75000
281	Jouhar.K.S/o Alavi, Kattakath House, Kadampuzha.	281/15- 16/Lt/Dom/M- 2102/15 dtd 6/10/2015	Laterite	7/2	Mankada	Perinthalmanna	Malappuram	9.72 Ares	10-06-2015	10-05-2016	75000
282	Abbas.K.S/o Muhammed, Kalangottil House, Valiyaparamb.	282/15- 16/Lt/Dom/M- 2189/15 dtd 6/10/2015	Laterite	333/2/1	Oorakam	Thirurangadi	Malappuram	19.42 Ares	10-06-2015	10-05-2016	150000
283	Musthafa Thaikadan, S/o Muhammed Kutti, Thaikadan House, P.O.Indianoor.	283/15- 16/Lt/Dom/M- 2065/15 dtd 6/10/2015	Laterite	404/3	Kottakkal	Tirur	Malappuram	9.51 Ares	10-06-2015	10-05-2016	75000
284	Latheef Nambambath S/o Saidealavi, Nambambath House,Valancheri.	284/15- 16/Lt/Dom/M- 1335/15 dtd 7/10/2015	Laterite	21-	Irimbiliyam	Tirur	Malappuram	16.59 Ares	10-07-2015	10-06-2016	150000

285	Muhammed Shafi S/o Kunalavi, Kutikkadan House, Valancheri.	285/15-16/Lt/Dom/M-1334/15 dtd 7/10/2015	Laterite	21-	Irimbiliyam	Tirur	Malappuram	9.71 Ares	10-07-2015	10-06-2016	75000
286	Muhammed Ashraf S/o Moosa Master, Thekkil House, East Kodur.	286/15-16/Lt/Dom/M-2154/15 dtd 7/10/2015	Laterite	102/2	Kodur	Perinthalmanna	Malappuram	9.72 Ares	10-07-2015	10-06-2016	75000
287	Muhammed Musthafa S/o Koyakutti, Pullan Kulavan House, Chattiparamb.	287/15-16/Lt/Dom/M-2157/15 dtd 7/10/2015	Laterite	102/2	Kodur	Perinthalmanna	Malappuram	9.72 Ares	10-07-2015	10-06-2016	75000
288	Hassan S/o Veerankutty, Pullankulavan House, Chattiparamb.	288/15-16/Lt/Dom/M-1695/15 dtd 7/10/2015	Laterite	359/3, 383/9	Kuruva	Perinthalmanna	Malappuram	9.71 Ares	10-07-2015	10-06-2016	75000
289	Ahammed Kutti S/o Muhammed, Mullapalli House, Pazhamalloor.	289/15-16/Lt/Dom/M-2097/15 dtd 7/10/2015	Laterite	16/1	Kodur	Perinthalmanna	Malappuram	9.72 Ares	10-07-2015	10-06-2016	75000
290	Abbas Ali, Kanakkayil House, Chengottur.	290/15-16/Lt/Dom/M-2180/15 dtd 7/10/2015	Laterite	284/2	Ponnala	Tirur	Malappuram	19.43 Ares	10-07-2015	10-06-2016	150000
291	Abdul Noufal S/o Veeran Eriyakkalam House Pookkottur P.O	291/15-16/Lt/Dom/M-2256/15 dtd 7/10/2015	Laterite	Q. 18- 1158	Melmuri	Ernad	Malappuram	19.42 Ares	10-07-2015	10-06-2016	150000
292	Muhammed S/o Mammatty, Manayil House, Kuzhimanna.	292/15-16/Lt/Dom/M-2186/15 dtd 7/10/2015	Laterite	289/ 3	Keezhuparamb	Ernad	Malappuram	4.86 Ares	10-07-2015	10-06-2016	75000
293	Sajid S/o Muhammed, Pandarathodi House, Chengottur.	293/15-16/Lt/Dom/M-2064/15 dtd 7/10/2015	Laterite	B.41-286/9	Ponnala	Tirur	Malappuram	9.70 Ares	10-07-2015	10-06-2016	75000
294	Moideen S/o Kunalavi, Kanakkayil House, Pang Chandi.	294/15-16/Lt/Dom/M-2120/15 dtd 7/10/2015	Laterite	166	Kuruva	Perinthalmanna	Malappuram	9.71 Ares	10-07-2015	10-06-2016	75000
295	Abbas.M.T., Malleerithodi House, Pang South.P.O., Kolathur(via)	295/15-16/Lt/Dom/M-2099/15 dtd 7/10/2015	Laterite	251/17 A	Kuruva	Perinthalmanna	Malappuram	19.43 Ares	10-07-2015	10-06-2016	150000

296	Aachuthan Nair, S/o Raman Nair, Ambalakkatt House, Edayur North.P.O.	296/15-16/Lt/Dom/M-2034/15 dtd 9/10/2015	Laterite	43	pathaikkara	Perinthalmanna	Malappuram	9.73 Ares	10-09-2015	10-08-2016	75000
297	Ayoob S/o Kuhlalan Kutti Haji, Koorimannil Pathiyil House, Payyanad.	297/15-16/Lt/Dom/M-2070/15 dtd 9/10/2015	Laterite	152/1	Payyanad	Ernad	Malappuram	9.71 Ares	10-09-2015	8/10/201	75000
298	Sameer, Thayattu Chira S/o Muhammed, Othukungal.	298/15-16/Lt/Dom/M-1207/15 dtd 9/10/2015	Laterite	380/1 C	Kuttippuram	Tirur	Malappuram	9.71 Ares	10-09-2015	10-08-2016	75000
299	M.Chandran, S/o Ayyappan, Mandalath House, P.O.Oorakam.	299/15-16/Lt/Dom/M-2122/15 dtd 9/10/2015	Laterite	132/pt	Oorakam	Thirurangadi	Malappuram	9.71 Ares	10-09-2015	10-08-2016	75000
300	Alavi S/o Veerankutty, Oorakattil House, Vellilla.	300/15-16/Lt/Dom/M-2187/15 dtd 12/10/2015	Laterite	7/6	Mankada	Perinthalmanna	Malappuram	9.71 Ares	10-12-2015	10-11-2016	75000
301	Muhammed Ashraf S/o Veeran Haji, Kilikkottu Thodiyil House, Mongam.	301/15-16/Lt/Dom/M-2158/15 dtd 12/10/2015	Laterite	132/pt	Pandallur	Ernad	Malappuram	9.72 Ares	10-12-2015	10-11-2016	75000
302	Abu.P. S/o Muhammed, Pookkayil House, Theyyala.	302/15-16/Lt/Dom/M-2048/15 dtd 12/10/2015	Laterite	180	Melmuri	Tirur	Malappuram	9.71 Ares	10-12-2015	10-11-2016	75000
303	K.Abdul Rasak S/o Mayin Kutti, Kambrath House, Ponnala.	303/15-16/Lt/Dom/M-2293/15 dtd 14/10/2015	Laterite	63/1/4	Muthuvallur	Kondotty	Malappuram	19.42 Ares	14/10/2015	13/10/201	150000
304	P.Shamsuddin, S/o Alavikutty, Permpalli House, Ponnala.P.O.	304/15-16/Lt/Dom/M-2292/15 dtd 14/10/2015	Laterite	63/1/4, 64/1	Muthuvallur	Kondotty	Malappuram	19.42 Ares	14/10/2015	13/10/2016	150000
305	Jafar S/o Abdul Khader, Karuppan Veettil House, Perassanur.P.O.	305/15-16/Lt/Dom/M-1771/15 dtd 14/10/2015	Laterite	38/1 B	Kuttippuram	Tirur	Malappuram	9.71 Ares	14/10/2015	13/10/2016	75000
306	Ishak Thattayil S/o Mayin Kutty, Thattayil House, Parimbalam.	306/15-16/Lt/Dom/M-2311/15 dtd 16/10/2015	Laterite	B.45-249	Anakayam	Ernad	Malappuram	9.72 Ares	16/10/2015	15/10/2016	75000

307	Aboobacker Siddique S/o Koyaakutty, Thathrampalli House, Indianoor.P.O.	307/15-16/Lt/Dom/M-2228/15 dtd 16/10/2015	Laterite	228/2 B	Melmuri	Tirur	Malappuram	9.71 Ares	16/10/2015	17/10/2016	75000
308	Muhammedkutti.V.C.S/o Aboobacker, Parakkad House, Ullanam North P.O.	308/15-16/Lt/Dom/M-2385/15 dtd 16/10/2015	Laterite	141/1	Peruvallur	Thirurangadi	Malappuram	8.09 Ares	16/10/2015	17/10/2016	75000
309	Moideenkoya S/o Ali, Karattupurayil House, P.O.Pallikkal.	309/15-16/Lt/Dom/M-2384/15 dtd 16/10/2015	Laterite	141/1	Peruvallur	Thirurangadi	Malappuram	8.09 Ares	16/10/2015	17/10/2016	75000
310	Sharafuddin.C.S/o Ibrahim, Choorangodan House, Pang South.	310/15-16/Lt/Dom/M-2125/15 dtd 19/10/2015	Laterite	41/ 4	Kuruva	Perinthalmanna	Malappuram	9.71 Ares	19/10/2015	18/10/2016	75000
311	Saheerali S/o Hamza Kurikkal, Ovumpurath House, Kolaparamb.	311/15-16/Lt/Dom/M-2066/15 dtd 19/10/2015	Laterite	131/1	Pandallur	Ernad	Malappuram	9.72 Ares	19/10/2015	18/10/2016	75000
312	Jafar.K.S/o Muhammed, Keyath House, Velloore.P.O.	312/15-16/Lt/Dom/M-2335/15 dtd 19/10/2015	Laterite	206/4	Pallikkal	Kondotty	Malappuram	7.28 Ares	21/10/2015	20/10/2016	75000
313	Shahul Hameed S/o Moideen Kutty Hajai, Pangottu House, Pallikkal.P.O.	313/15-16/Lt/Dom/M-2334/15 dtd 21/10/2015	Laterite	1/1 A	Pulamanhole	Perinthalmanna	Malappuram	19.42 Ares	21/10/2015	20/10/2016	150000
314	Ibrahimkutty S/o Mammadissa, Karuvambra House, Pulpatta.	314/15-16/Lt/Dom/M-2315/15 dtd 21/10/2015	Laterite	27/2	Mankada	Perinthalmanna	Malappuram	9.71 Ares	21/10/2015	20/10/2016	75000
315	Muhammed Ashraf Kadavath, Kadavath House, Kanmanam.P.O.	315/15-16/Lt/Dom/M-2218/15 dtd 21/10/2015	Laterite	251/17 B	Kuruva	Perinthalmanna	Malappuram	9.71 Ares	21/10/2015	20/10/2016	75000
316	C.Jayesh S/o Ayyappan, Cheruthodi House, Pulpatta.P.O.	316/15-16/Lt/Dom/M-1561/15 dtd 28/10/2015	Laterite	47/5	Kottiliangadi	Perinthalmanna	Malappuram	9.71 Ares	28/10/2015	27/10/2016	75000
317	K.Sunilkumar, S/o Chekku, Kariyathankuzhi House, Cheruvayoor.P.O.	317/15-16/Lt/Dom/M-2183/15 dtd 28/10/2015	Laterite	Bl.19 - 314/pt	Vazhakkad	Kondotty	Malappuram	19.42 Ares	28/10/2015	27/10/2016	150000

318	P.k Haneefa ,s/o Alavikutty ,poothamkuttiyil house ,po .peruvallur	318/15-16/Lt/Dom/M-2526/15 dtd 2/11/2015	Laterite	425/9	Peruvallur	Thirurangadi	Malappuram	10 Ares	11-02-2015	11-01-2016	75000
319	A. Muhammdali ,s/o Alavi .Mandiveetil ,pang , po	319/15-16/Lt/Dom/M-2152/15 dtd 4/11/2015	Laterite	103/1	kuruva	Perinthalmanna	Malappuram	9.71 Ares	11-04-2015	11-03-2016	75000
320	Muhammed Shareef .s/o Riyas .Kundil house ,kadampuzha po	320/15-16/Lt/Dom/M-2185/15 dtd 4/11/2015	Laterite	73	Edayur	Tirur	Malappuram	9.71 Ares	11-04-2015	11-03-2016	75000
321	K. Hydru .s/o Alavi,kunnath attuparakkal house ,pookottur po	321/15-16/Lt/Dom/M-2514/15 dtd 4/11/2015	Laterite	324/2	Morayur	Kondotty	Malappuram	9.71 Ares	11-04-2015	11-03-2016	75000
322	Abdul Azeez ,kiliyamanniil house ,pang south .po	322/15-16/Lt/Dom/M-2518/15 dtd 4/11/2015	Laterite	251/17A	kuruva	Perinthalmanna	Malappuram	9.71 Ares	11-04-2015	11-03-2016	75000
323	Muhammed Rafeequ e, s/o Abdu ,Kandappurath house ,kunnapadi .po	323/15-16/Lt/Dom/M-1365/15 dtd 6/11/2015	Laterite	17	Elamkulam	Perinthalmanna	Malappuram	9.71 Ares	11-06-2015	11-05-2016	75000
324	Aboobacker .s/o Muhammed ,pulparambil house ,cheruvayur .po	324/15-16/Lt/Dom/M-2421/15 dtd 6/11/2015	Laterite	207/pt	Pulikkal	Kondotty	Malappuram	9.71 Ares	11-06-2015	11-05-2016	75000
325	Majeed,s/o .Muhammed ,kuruniyan house ,Mattathoor .po	325/15-16/Lt/Dom/M-2429/15 dtd 6/11/2015	Laterite	89/2	Ponnala	Tirur	Malappuram	9.71 Ares	11-06-2015	11-05-2016	75000
326	Gireesh.P.S/o Velayudhan, Pallath House, Karekkad.	326/15-16/Lt/Dom/M-2123/15 dtd 9/11/2015	Laterite	100/2	Kattiparuthy	Tirur	Malappuram	19.43 Ares	11-09-2015	11-08-2016	150000
327	Ali Bava S/o Moideenkutty, Karimbil House, Irimbilyam.	327/15-16/Lt/Dom/M-2127/15 dtd 9/11/2015	Laterite	218/2	Edayur	Tirur	Malappuram	9.71 Ares	11-09-2015	11-08-2016	75000
328	Anilkumar S/o Sankaran Parammathodi House, Vadakkumbaram.	328/15-16/Lt/Dom/M-2308/15 dtd 11/11/2015	Laterite	418/1	Edayur	Tirur	Malappuram	9.71 Ares	11-11-2015	11-10-2016	75000

329	P.Kunhimuhammed , Palliyalil House, Kuttipuram.	329/15-16/Lt/Dom/M-2309/15 dtd 11/11/2015	Laterite	418/1	Edayur	Tirur	Malappuram	9.71 Ares	11-11-2015	11-10-2016	75000
330	Sunil, S/o Thankammu, Kambath House, Vadakkumpuram.	330/15-16/Lt/Dom/M-1148/15 dtd 11/11/2015	Laterite	219/1,2	Edayur	Tirur	Malappuram	9.71 Ares	11-11-2015	11-10-2016	75000
331	K.P.Moosakutti S/o Muhammed Heji, Kudukkil Pottammal House, Vallyaparamab.	331/15-16/Lt/Dom/M-2633/15 dtd 13/11/2015	Laterite	244/3	Pallikkal	Thirurangadi	Malappuram	9.71 Ares	13/11/2015	11-12-2016	75000
332	Sudheesh S/o Parameswaran, Palliyalil House, Vadakkumpuram.	332/15-16/Lt/Dom/M-2114/15 dtd 13/11/2015	Laterite	218/1	Edayur	Tirur	Malappuram	9.71 Ares	13/11/2015	11-12-2016	75000
333	Satheesh S/o Velu, Vallathukuzhi House, Pulpatta.P.O.	333/15-16/Lt/Dom/M-1572/15 dtd 13/11/2015	Laterite	35/2	Paayyanad	Ernad	Malappuram	9.71 Ares	13/11/2015	11-12-2016	75000
334	Rajan.M. S/o Chathu, Mattayil House, P.O.Pang Chandi.	334/15-16/Lt/Dom/M-2434/15 dtd 13/11/2015	Laterite	251/9	Kuruva	Perinthalmanna	Malappuram	9.71 Ares	13/11/2015	11-12-2016	75000
335	C.T.Abdulla, S/o Muhammed Yoosaf, Churangattuthodi House, Valancheri.	335/15-16/Lt/Dom/M-2510/15 dtd 13/11/2015	Laterite	418/1	Edayur	Tirur	Malappuram	9.71 Ares	13/11/2015	11-12-2016	75000
336	Eraniyan Aburahiman S/o Alavikutti, Eraniyan House, Kadampuzha.	336/15-16/Lt/Dom/M-1163/15 dtd 13/11/2015	Laterite	251/9	Kuruva	Perinthalmanna	Malappuram	9.71 Ares	13/11/2015	11-12-2016	75000
337	Shaji Parappuram S/o Alavikutti, Parappuram House, Chengottur.	337/15-16/Lt/Dom/M-2331/15 dtd 16/11/2015	Laterite	219/1	Edayur	Tirur	Malappuram	19.42 Ares	16/11/2015	15/11/2016	150000
338	Aliyamu S/o Muhammed, Thaikottil House, Vazhenkada.	338/15-16/Lt/Dom/M-2129/15 dtd 16/11/2015	Laterite	383/6, 7	Alipapramb	Perinthalmanna	Malappuram	9.71 Ares	16/11/2015	15/11/2016	75000
339	Zainuddin S/o Muhammed, Cheriyaparambil House, Morayur.	339/15-16/Lt/Dom/M-2445/15 dtd 16/11/2015	Laterite	46	Kannamangalam	Thirurangadi	Malappuram	9.71 Ares	16/11/2015	15/11/2016	75000

340	Abdul shafeeq mp. s/o Alavi kurikkal ,mancheri puthen peediyekkal house ,Nellikuth.	340/15-16/Lt/Dom/M-2291/15 dtd 16/11/2015	Laterite	760/1	Payyanad	Ernad	Malappuram	8.09 Ares	16/11/2015	15/11/2016	75000
341	Ahammed.O.P.S/o Muhammed, Athramkad House, Valluvambaram.	341/15-16/Lt/Dom/M-1510/15 dtd 16/11/2015	Laterite	243/pt	Pulpatta	Ernad	Malappuram	9.71 Ares	16/11/2015	15/11/2016	75000
342	Siraj.k.S/o Muhammed, Kalathungal House, Vallikkapatta.	342/15-16/Lt/Dom/M-2548/15 dtd 18/11/2016	Laterite	8/1 B	Mankada	Perinthalmanna	Malappuram	29.13 Ares	18/11/2015	17/11/2016	300000
343	Muhammed Abdurahiman S/o Moideen Haji, Pariparamban House, A.R.Nagar.P.O.	343/15-16/Lt/Dom/M-2512/15 dtd 18/11/2015	Laterite	210/1 A	Irimbiliyam	Tirur	Malappuram	9.72 Ares	18/11/2015	17/11/2016	75000
344	Khalid, S/o Ravinkutty, Kokkaramuchi, Chettupalathingal, Omanur.	344/15-16/Lt/Dom/M-2519/15 dtd 18/11/2015	Laterite	140/1/1	Cheekode	Kondotty	Malappuram	9.71 Ares	18/11/2015	17/11/2016	75000
345	Hussain.C., S/o Muhammed Kutti, Chammengott House, Ramanattukara.	345/15-16/Lt/Dom/M-2529/15 dtd 21/11/2015	Laterite	300/1	Melmuri	Tirur	Malappuram	9.71 Ares	21/11/2015	20/11/2016	75000
346	M.Madhu S/o Velu, Nambiattil House, Puthoor Pallikkal..P.O	346/15-16/Lt/Dom/M-2332/15 dtd 21/11/2015	Laterite	288/3	Edavanna	Ernad	Malappuram	9.71 Ares	21/11/2015	20/11/2016	75000
347	E.K.Aboobacker S/o Abdurahiman, Eanthenkuzhayan House, Pulpatta.P.O.	347/15-16/Lt/Dom/M-2549/15 dtd 25/11/2015	Laterite	51/7	Vadakkangara	Perinthalmanna	Malappuram	9.71 Ares	25/11/2015	24/11/2016	75000
348	Faisal, Akayicholakkal House, Pang South.	348/15-16/Lt/Dom/M-2515/15 dtd 25/11/2015	Laterite	7/5	Moorkanad	Perinthalmanna	Malappuram	9.71 Ares	25/11/2015	24/11/2016	75000
349	Ansar S/o Abdurahima, Kannayan House, Karuvambaram.	349/15-16/Lt/Dom/M-2555/15 dtd 25/11/2015	Laterite	5/2	Mankada	Perinthalmanna	Malappuram	9.71 Ares	25/11/2015	24/11/2016	75000
350	T.C.Aboobacker, S/o Unnikoya, Chembra House, P.O.Pulikkal.	350/15-16/Lt/Dom/M-2698/15 dtd 25/11/2015	Laterite	265	Vazhayoor	Kondotty	Malappuram	19.20 Ares	25/11/2015	24/11/2016	150000

351	Thoppasseri Chandran, Makkatt Kizhakkil House, Velimukku South.P.O.	351/15- 16/Lt/Dom/M- 2699/15 dtd 25/11/2015	Laterite	B.8-254/1	Peruvallur	Kondotty	Malappuram	19.42 Ares	25/11/2015	24/11/2016	150000
352	Muhammed Rafeeq S/o Ummer, Pulakkal House, Aripa.P.O.	352/15- 16/Lt/Dom/M- 2431/15 dtd 25/11/2015	Laterite	1-	Keezhattoor	Perinthalmanna	Malappuram	9.71 Ares	25/11/2015	24/11/2016	75000
353	Satheesan.B.S/o Bhaskaran, Neekampurath House, Pantheerankavu.P.O.	353/15- 16/Lt/Dom/M- 2430/15 dtd 25/11/2015	Laterite	338/1	Vazhakkad	Kondotty	Malappuram	24 Cents	25/11/2015	24/11/2016	75000
354	Ali Mammad P S/o Moideen Palakkal Palliyali Akkara House Valluvabram	354/15- 16/Lt/Dom/M- 2623/15 dtd 25/11/2015	Laterite	132/2	Pandallur	Ernad	Malappuram	19.43 Ares	25/11/2015	24/11/2016	150000
355	Nameer Kalathingal S/o Hussain, Shamma Manzil, Morayur.P.O.	355/15- 16/Lt/Dom/M- 2381/15 dtd 25/11/2015	Laterite	160/1	Payyanad	Ernad	Malappuram	9.71 Ares	25/11/2015	24/11/2016	75000
356	Muhammed Ashraf Malayil, Malayil House, Thachinganad.	356/15- 16/Lt/Dom/M- 2624/15 dtd 25/11/2015	Laterite	90/2 B, 90/1	Nenmini	Perinthalmanna	Malappuram	24 cents	25/11/2015	24/11/2016	75000
357	P.K.Dasan Namboodiri, S/o Damodaran Namboodiri, Vrindavanam, Vaniyambalam.	357/15- 16/Lt/Dom/M- 2626/15 dtd 25/11/2015	Laterite	21/1 pt	Poroor	Nilamabur	Malappuram	9.72 Ares	25/11/2015	24/11/2016	75000
358	Abdul Saleem, S/o Moyinkutty Musliar, Cheemadan House, Nallamthanni.P.O.	358/15- 16/Lt/Dom/M- 2675/15 dtd 25/11/2015	Laterite	469/2	Mampad	Nilamabur	Malappuram	9.72 Ares	25/11/2015	24/11/2016	75000
359	Muhammadali.M.K.S/o Alavikutti, Thekkumpurath House, Parambil Peedika.P.O.	359/15- 16/Lt/Dom/M- 2528/15 dtd 25/11/2015	Laterite	70/2	Thennala	Thirurangadi	Malappuram	24 cents	25/11/2015	24/11/2016	75000
360	V.M.Sarafuddin, S/o Saithalavi, Vattamanil House, Perassannur.	360/15- 16/Lt/Dom/M- 1477/15 dtd 25/11/2015	Laterite	380/1 C	Kuttiapuram	Tirur	Malappuram	380/1 C	25/11/2015	24/11/2016	75000

361	Shanavas.P.S/o Muhammed, Pathur House, Puthuparamb, Edarikode(via)	361/15- 16/Lt/Dom/M- 2655/15 dtd 27/11/2015	Laterite	140/1	Edarikode	Thirurangadi	Malappuram	17.7 cents	27/11/2015	26/11/2016	75000
362	E.Ahamed S/o Saidalavi, Edathat House, Pallikkal.P.O.	362/15- 16/Lt/Dom/M- 2659/15 dtd 27/11/2015	Laterite	208	Kannamangalam	Thirurangadi	Malappuram	9.72	27/11/2015	26/11/2016	75000
363	K.Shoukathali, S/o Hyder, Kalleppuram House, Pallikkal.	363/15- 16/Lt/Dom/M- 2660/15 dtd 27/11/2015	Laterite	208	Kannamangalam	Thirurangadi	Malappuram	9.72	27/11/2015	26/11/2016	75000
364	P.P.Abdul Jaleel S/o Abdu, Paliyali Peediyekkal House, P.O.Melmuri.	364/15- 16/Lt/Dom/M- 2732/15 dtd 27/11/2015	Laterite	143/1	Ponmala	Tirur	Malappuram	48 Cents	27/11/2015	26/11/2016	150000
365	Abdu S/o Kunhayamu, Kodappana House, Ammiikkad.	365/15- 16/Lt/Dom/M- 2653/15 dtd 27/11/2015	Laterite	1-	Kuruwambalam	Perinthalmanna	Malappuram	9.73 Cents	27/11/2015	26/11/2016	75000
366	Abdulla.K.S/o Muhammed, Kappikuzhiyil House, Kadambod,	366/15- 16/Lt/Dom/M- 2673/15 dtd 27/11/2015	Laterite	249	Anakkayam	Ernad	Malappuram	9.73 Ares	27/11/2015	26/11/2016	75000
367	Usman.K.S/o Unneenkutty, Kunnath House, Vellila.P.O.	367/15- 16/Lt/Dom/M- 1770/15 dtd 27/11/2015	Laterite	106/4	Angadipuram	Perinthalmanna	Malappuram	24 Cents	27/11/2015	26/11/2016	75000
368	K.Ibrahim S/o Ahammed Haji, Karivattath House, Edarikkod.	368/15- 16/Lt/Dom/M- 2773/15 dtd 27/11/2015	Laterite	379	Kottakkal	Tirur	Malappuram	18.90 Ares	27/11/2015	26/11/2016	150000
369	E.Ahamed S/o Saidalavi, Edathat House, Pallikkal.P.O.	369/15- 16/Lt/Dom/M- 2768/15 dtd 01/12/2015	Laterite	208	Kannamangalam	Thirurangadi	Malappuram	37.65 Ares	12-01-2015	30/11/2016	150000
370	Ashik Abdulla, S/o Kunhimuhammed , Appada House, Ayoor.	370/15- 16/Lt/Dom/M- 2242/15 dtd 02/12/2015	Laterite	297/4	Kottakkal	Tirur	Malappuram	9.45 Ares	12-02-2015	02-06-2016	45360
371	Noushad Paramban S/o Hussain, Paramban House, Chappanangadi.	371/15- 16/Lt/Dom/M- 2103/15 dtd 02/12/2015	Laterite	151/8	Kottakkal	Tirur	Malappuram	9.36 Ares	12-02-2015	12-01-2016	75000

372	Abdul Munas.M. S/o Moidu, Maniyarayil House, Vadakkangara.	372/15-16/Lt/DOM/M-2511/15 dtd 02/12/2015	Laterite	57/22	Valambur	Perinthalmanna	Malappuram	9.71 Ares	12-02-2015	12-01-2016	75000
373	Aboobacker Kanna Kunnan, S/o Moideen Kutti, Kannankunnan House, Pattarkadav	373/15-16/Lt/DOM/M-2810/15 dtd 02/12/2015	Laterite	161	Panakkad	Ernad	Malappuram	9.71 Ares	12-02-2015	12-01-2016	75000
374	Kunhimoideenkutty S/o Hamza, Mulanhipulakka House, Indiannoor.	374/15-16/Lt/DOM/M-2516/15 dtd 02/12/2015	Laterite	327/2	Kottakkal	Tirur	Malappuram	19.3 Ares	12-02-2015	12-01-2016	150000
375	Shoukathali S/o Saidalikutti, Pookkunnal House, Mampad.	375/15-16/Lt/DOM/M-2639/15 dtd 02/12/2015	Laterite	109/4	Mampad	Nenmini	Malappuram	9.72 Ares	12-02-2015	12-01-2016	75000
376	Ahammedkutty.K.K.S/o Eantheen, Kollarkuzhiyil House, Kallarmangalam.	376/15-16/Lt/DOM/M-2374/15 dtd 04/12/2015	Laterite	190/2	Athavanad	Tirur	Malappuram	19.42 Ares	12-04-2015	12-03-2016	150000
377	Subair S/o Hassainar, Paryarath House, Kottakkal.	377/15-16/Lt/DOM/M-2769/15 dtd 04/12/2015	Laterite	120 A /1	Puzhakattiri	Perinthalmanna	Malappuram	19.42 Ares	12-04-2015	12-03-2016	150000
378	Hamza.M. S/o Muhammed Haji, Mulanhipulan House, Indianoor.	378/15-16/Lt/DOM/M-2715/15 dtd 04/12/2015	Laterite	413/3	Ponmala	Tirur	Malappuram	48 cents	12-04-2015	12-03-2016	150000
379	Koyappu Kottaram, S/o Kunhimuhammed, Kottaram House, Indianoor.	379/15-16/Lt/DOM/M-2716/15 dtd 04/12/2015	Laterite	413/3	Ponmala	Tirur	Malappuram	48 cents	12-04-2015	12-03-2016	150000
380	Muhammed Shihab S/o Moidu, Cheenadan Alangod, Edayur.	380/15-16/Lt/DOM/M-2149/15 dtd 07/12/2015	Laterite	173/7	Kuruva	Perinthalmanna	Malappuram	8.9Ares(22 cents)	12-07-2015	12-06-2016	75000
381	Muhammed Musthafa S/o Kunhalaan Kutti, Chirutha paramban House, Vattailur.P.O.	381/15-16/Lt/DOM/M-2678/15 dtd 07/12/2015	Laterite	3/3, 3/4	Kuruva	Perinthalmanna	Malappuram	19.43 Ares	12-07-2015	12-06-2016	150000
382	Ibrahim Pulikkal S/o Muhammed, Pulikkal House, Kadampuzha.	382/15-16/Lt/DOM/M-2764/15 dtd 07/12/2015	Laterite	228/2 B	Melmuri	Tirur	Malappuram	9.71 Ares	12-07-2015	12-06-2016	75000

383	Moosa.C.K., S/o Muhammed, Kannadi Kuzhiyil House, Vazhayoor.	383/15-16/Lt/DOM/M-2556/15 dtd 07/12/2015	Laterite	65/5	Vazhayoor	Kondotty	Malappuram	9.70 Ares	12-07-2015	12-06-2016	75000
384	Ratheesh.K.P. S/o Velayudhan, Kolippara House, Kadampuzha.	384/15-16/Lt/DOM/M-2765/15 dtd 07/12/2015	Laterite	99/5	Ponmala	Tirur	Malappuram	9.71 Ares	12-07-2015	12-06-2016	75000
385	Muhammed Ashraf.C.P., S/o Moideen, Chakkiparamban House, Chattiparamb.	385/15-16/Lt/DOM/M-2333/15 dtd 07/12/2015	Laterite	108/1 A	Kodur	Perinthalmanna	Malappuram	9.71 Ares	12-07-2015	12-06-2016	75000
386	Abdul Lather W/o Mammadeesa Haji, Neerangattu House, Pallikkal.	386/15-16/Lt/DOM/M-2697/15 dtd 07/12/2015	Laterite	636/11,13,14,10	Vallikunnu	Thirurangadi	Malappuram	9.71 Ares	12-07-2015	12-06-2016	75000
387	Sainudheen S/o Koyakutti Ponneth House Cheroor P.O	387/15-16/Lt/DOM/M-2380/15 dtd 07/12/2015	Laterite	152/1	Kannamangalam	Thirurangadi	Malappuram	19.42 Ares	12-09-2015	12-08-2016	150000
388	Balan S/o Kottan, Akkarammal House, Kuzhimanna.	388/15-16/Lt/DOM/M-2557/15 dtd 09/12/2015	Laterite	134	Kodur	Perinthalmanna	Malappuram	19.43 Ares	12-09-2015	12-08-2016	150000
389	Haneefa.P.K.S/o Alavikutty, Puttekkadan House, Peruvallur.	389/15-16/Lt/DOM/M-2948/15 dtd 09/12/2015	Laterite	418/3	Kannamangalam	Thirurangadi	Malappuram	6.81 Ares	12-09-2015	12-08-2016	75000
390	Sakeeb Pullaniippuram S/o Hamza, Pullaniippuram, Marakkara.	390/15-16/Lt/DOM/M-2378/15 dtd 09/12/2015	Laterite	Bl.88, 104/1	Kuruva	Perinthalmanna	Malappuram	21 Cents	12-09-2015	12-08-2016	75000
391	Saravanam, S/o Sankaran, Kunnekatt House, Pariyapuram.	391/15-16/Lt/DOM/M-2772/15 dtd 09/12/2015	Laterite	251/9	Kuruva	Perinthalmanna	Malappuram	9.60 Cents	12-09-2015	12-08-2016	75000
392	Shamsuddin S/o saidalavi, Madathil Parambil House, Chemrakkattur.	392/15-16/Lt/DOM/M-2992/15 dtd 11/12/2015	Laterite	98/1/1	Edavanna	Ernad	Malappuram	8.86 Ares	12-11-2015	12-10-2016	75000
393	P.Shibabuddin S/o Kunhu Muhammed, Pulath House, Vaniyambalam.	393/15-16/Lt/DOM/M-2828/15 dtd 11/12/2015	Laterite	285/2	Wandoor	Nilambur	Malappuram	9.71 Ares	12-11-2015	12-10-2016	75000

394	Sulffikar Ali.P.S/o Hussain Puthen Peedika House, Anchachavidi.P.O.	394/15-16/Lt/DOM/M-2827/15 dtd 11/12/2015	Laterite	225/3	Wandoor	Nilambur	Malappuram	9.71 Ares	12-11-2015	12-10-2016	75000
395	Jamal, S/o Moideen, Vakkayil House, Vadakkumpuram.	395/15-16/Lt/DOM/M-2128/15 dtd 11/12/2015	Laterite	213/3	Moorkkanad	Perinthalmanna	Malappuram	19.42 Ares	12-11-2015	12-10-2016	150000
396	Manoj.P.S/o Subramanyan, Pallath House, Kadampuzha.	396/15-16/Lt/DOM/M-2160/15 dtd 11/12/2015	Laterite	428	Edayur	Tirur	Malappuram	9.71 Ares	12-11-2015	12-10-2016	75000
397	Abdul Basith S/o Abdul Rasak, Pulliyil Madasseri House, Melmuri.P.O.	397/15-16/Lt/DOM/M-2607/15 dtd 15/12/2015	Laterite	1558 (Bl.Q8)	Melmuri	Ernad	Malappuram	9.74 Ares	15/12/2015	14/12/2016	75000
398	Abdul Jaleel.M. S/o Muhammed, Mecheri House, Chembrasserri.	398/15-16/Lt/DOM/M-2766/15 dtd 15/12/2015	Laterite	2826/7	Poroor	Nilambur	Malappuram	9.72 Ares	15/12/2015	14/12/2016	75000
399	Aabdussalam Manakkadavan S/o Saidalavi, Pattayil House, Pallikkal.P.O.	399/15-16/Lt/DOM/M-3044/15 dtd 15/12/2015	Laterite	214/4	Pulikkal	Kondotty	Malappuram	17 Cents	15/12/2015	14/12/2016	75000
400	Murugan S/o Thirumalai, Mothakkal House, P.O.Pang Chandi.	400/15-16/Lt/DOM/M-2842/15 dtd 16/12/2015	Laterite	11/3 B	Koottilangadi	Perinthalmanna	Malappuram	16 Cents	16/12/2015	15/12/2016	75000
401	Shihabuddin, S/o Aalavi, Poozhithara House, Pang South.	401/15-16/Lt/DOM/M-2379/15 dtd 16/12/2015	Laterite	120/A.1	Puzhakkattiri	Perinthalmanna	Malappuram	19.35 Ares	16/12/2015	15/12/2016	150000
402	Haneefa.A.S/o Eantheen, Angadan House, Vennyoor.	402/15-16/Lt/DOM/M-2760/15 dtd 18/12/2015	Laterite	87	Marakkara	Tirur	Malappuram	21 Cents	18/12/2015	17/12/2016	75000
403	Kunhimuhammed, S/o Mammatty, Chenadan Chalu Veettil House, Karekkad.	403/15-16/Lt/DOM/M-2600/15 dtd 18/12/2015	Laterite	157/1	Kuruva	Perinthalmanna	Malappuram	9.71 Ares	18/12/2015	17/12/2016	75000
404	Muhammed Abdul Liyakkath S/o Chekku Haji, Koorimannil Kaikkunnummal House, Kadambod.P.O.	404/15-16/Lt/DOM/M-2947/15 dtd 18/12/2015	Laterite	83/2	Pandallur	Ernad	Malappuram	9.72 Ares	18/12/2015	17/12/2016	75000

405	Rajeev.E.R., S/o Ramdas, Eriyad House, Iringallur	405/15- 16/Lt/DOM/M- 2952/15 dtd 18/12/2015	Laterite	450/2	Ponnala	Tirur	Malappuram	9.71 Ares	18/12/2015	17/12/2016	75000
406	Ismail, Annachampalli House, Thalakkadathur.P.O., Tirur	406/15- 16/Lt/DOM/M- 2329/15 dtd 18/12/2015	Laterite	210/1	Meimuri	Tirur	Malappuram	9.71 Ares	18/12/2015	17/12/2016	75000
407	Aejaykumar.K.V.S/o Vasu, Kaippada Malayil House, Parambil Peedikka.	407/15- 16/Lt/DOM/M- 2875/15 dtd 18/12/2015	Laterite	315/1	Peruvallur	Thirurangadi	Malappuram	315/1	18/12/2015	17/12/2016	150000
408	Muhammedkutty, Veshnampara House, Edayur.P.O.	408/15- 16/Lt/DOM/M- 2446/15 dtd 18/12/2015	Laterite	251/9	Kuruva	Perinthalmanna	Malappuram	9.72 Ares	21/12/2015	20/12/2016	75000
409	Hussain.M. S/o Muhammed Haji, Mulanhipulan House, Indianoor.	409/15- 16/Lt/DOM/M- 2770/15 dtd 21/12/2015	Laterite	325/7	Kottakkal	Tirur	Malappuram	14.5 Cents	21/12/2015	20/12/2016	75000
410	Abdullakutty.M.P., S/o Muhammed, Machingapurayi House, Cheruvayoor.	410/15- 16/Lt/DOM/M- 2677/15 dtd 21/12/2015	Laterite	67	Vazhakkad	Kondotty	Malappuram	9.71 Ares	21/12/2015	20/12/2016	75000
411	Noushad.N. S/o Hassan Koya, Nharal House, Cheekod.	411/15- 16/Lt/DOM/M- 1470/15 dtd 21/12/2015	Laterite	Bl.27- 72/2	Urangattiri	Ernad	Malappuram	9.72 Ares	21/12/2015	20/12/2016	75000
412	Abdullakutti S/o Mammad, Paliyamkunnath House, Kadambod.	412/15- 16/Lt/DOM/M- 2375/15 dtd 23/12/2015	Laterite	566/ 1 B	Payyanad	Ernad	Malappuram	24 Cents	23/12/2015	22/12/2016	75000
413	K.Shamsuddin S/o Muhammed Haji, Kunnath House, Edayur North.	413/15- 16/Lt/DOM/M- 3046/15 dtd 23/12/2015	Laterite	240 A	Moorkkanad	Perinthalmanna	Malappuram	24 Cents	23/12/2015	22/12/2016	75000
414	Shihab.K.S/o Muhammed, Kundil House, Kadampuzha.	414/15- 16/Lt/DOM/M- 3045/15 dtd 23/12/2015	Laterite	396/2	Edayur	Tirur	Malappuram	24 Cents	23/12/2015	22/12/2016	75000
415	K.P.Velayudhan S/o Kotha, Kallingal Parambil House, Valancheri.	415/15- 16/Lt/DOM/M- 3106/15 dtd 23/12/2015	Laterite	1/1 A	Pulamanhole	Perinthalmanna	Malappuram	24 Cents	23/12/2015	22/12/2016	75000

416	Muhammed Basheer S/o Kammukutti, Cholayil House, Pulikkal.P.O.	416/15-16/Lt/DOM/M-2159/15 dtd 28/12/2015	Laterite	205/1	Pallikkal	Kondotty	Malappuram	7.28 Ares	28/12/2015	27/12/2016	75000
417	K.P.Sreedharan, S/o Velukutti, Sree Nilayam, Pulikkal.P.O.	417/15-16/Lt/DOM/M-3124/15 dtd 28/12/2015	Laterite	320/10	Cheekod	Kondotty	Malappuram	48 Cents	28/12/2015	27/12/2016	150000
418	Abdurahim, S/o Muhayuddin, Pazhayedathil House, Cheruvayoor.	418/15-16/Lt/DOM/M-2696/15 dtd 28/12/2015	Laterite	243/3	Pulikkal	Kondotty	Malappuram	9.72 Ares	28/12/2015	27/12/2016	75000
419	Abdul Hameed S/o Alavi, Puthalath House, Olakara.	419/15-16/Lt/DOM/M-3222/15 dtd 30/12/2015	Laterite	152/1	Kannamangalam	Thirurangadi	Malappuram	9.72 Ares	30/12/2015	29/12/2016	75000
420	Jamshan Abdunnafi. TT.D/o Muhammed Haneefa, Thacheeri Padikkal Thazhath, Cheroor.P.O.	420/15-16/Lt/DOM/M-3102/15 dtd 30/12/2015	Laterite	152/1	Kannamangalam	Thirurangadi	Malappuram	24 Cents	30/12/2015	29/12/2016	75000
421	Thomas, S/o Yohannan, Alancheri House, Palachuvad.P.O.	421/15-16/Lt/DOM/M-2776/15 dtd 30/12/2015	Laterite	7/ 5	Moorkkanad	Perinthalmanna	Malappuram	24 Cents	30/12/2015	29/12/2016	75000
422	M.Sivadasan, S/o Karunakaran, Mattayil House, Kurumbathur.	422/15-16/Lt/DOM/M-3178/15 dtd 30/12/2015	Laterite	288	Kurumbathur	Tirur	Malappuram	9.71 Ares	30/12/2015	29/12/2016	75000
423	Muhammeekutti.V.C.S/o Aboobacker, Parakkat House, Ullanam.P.O.	423/15-16/Lt/DOM/M-3239/15 dtd 1/1/2016	Laterite	208	Kannamangalam	Thirurangadi	Malappuram	19.42 Ares	01-01-2016	31/12/2017	150000
424	Sameer.T., S/o Moyin, Thondiyil House, Kappil.P.O.	424/15-16/Lt/DOM/M-3104/15 dtd 1/1/2016	Laterite	124/1	Mampad	Nilambur	Malappuram	9.72 Ares	01-01-2016	31/12/2017	75000
425	Gangadharan S/o Rarichankutti, Malayil House, Kannenkara.	425/15-16/Lt/DOM/M-2640/15 dtd 6/1/2016	Laterite	6/ 1 pt	Vettillappara	Ernad	Malappuram	9.71 Ares	01-06-2016	01-05-2017	75000
426	Rinesh.P.K. S/o Ramachandran, Puthukulangara, Kodur.P.O.	426/15-16/Lt/DOM/M-3130/15 dtd 11/1/2016	Laterite	99/1	Ponnala	Tirur	Malappuram	9.2 Ares	01-11-2016	01-10-2017	75000

427	Bal Krishnan S/o Kunhiperunthan, Veilangara House, Kannamangalam.	427/15-16/Lt/DOM/M-2580/15 dtd 11/1/2016	Laterite	199/2	Kannamangalam	Thirurangadi	Malappuram	24 Cents	01-11-2016	01-10-2017	75000
428	Ayoob S/o Avarankutti, Thangal Parambil House, Thavanoor.	428/15-16/Lt/DOM/M-1807/15 dtd 11/1/2016	Laterite	60	Edayur	Tirur	Malappuram	9.71 Ares	01-11-2016	01-10-2017	75000
429	Pugalethi.R. S/o Rathinam, Kariaparambath House, Kadampuzha.	429/15-16/Lt/DOM/M-3129/15 dtd 11/1/2016	Laterite	326/2	Ponnala	Tirur	Malappuram	9.6 Ares	01-11-2016	01-10-2017	75000
430	Siddique Kalodi, S/o Kunhippu, Kalodi House, Karipol.	430/15-16/Lt/DOM/M-3128/15 dtd 11/1/2016	Laterite	34/4 A	Kattiparuthi	Tirur	Malappuram	9.9 Ares	01-11-2016	01-10-2017	75000
431	Noushad, S/o Muhammed Kutti, Kottampara Chakkingal House, Edayur.	431/15-16/Lt/DOM/M-1808/15 dtd 11/1/2016	Laterite	60	Edayur	Tirur	Malappuram	9.71 Ares	01-11-2016	01-10-2017	75000
432	Shamsuddin.P.S/o Abdulla, Pathodi Parasserri House, Vilayil.P.O.	432/15-16/Lt/DOM/M-3246/15 dtd 13/1/2016	Laterite	175/2	Keezhuparamb	Ernad	Malappuram	24 Cents	13/1/2016	01-12-2017	75000
433	Rasheed Thaiikkadan, Thaiikkadan House, Kottakkal.	433/15-16/Lt/DOM/M-3173/15 dtd 13/1/2016	Laterite	32/1/1	Kottakkal	Tirur	Malappuram	9.45 Ares	13/1/2016	01-12-2017	75000
434	#NAME?										
435	K.Muhammadali, S/o Mayin Haji, Karimbingal House, Mongam.	435/15-16/Lt/DOM/M-1816/15 dtd 15/1/2016	Laterite	B.46 - 14/6	Pandallur	Ernad	Malappuram	9.71 Ares	15/1/2016	14/1/2017	75000
436	V.T.Moideenkutty S/o Muhammed, Vellamkunnan Thanikkal, Pulpatta.	436/15-16/Lt/DOM/M-2545/15 dtd 18/1/2016	Laterite	51/7	Vadaikangara	Perinthalmanna	Malappuram	9.71 Ares	18/1/2016	17/1/2017	75000
437	Firozkhan S/o Moideen, Mulanhipulakkal House, Indianoor.	437/15-16/Lt/DOM/M-3276/15 dtd 18/1/2016	Laterite	210/1, 2	Kottakkal	Tirur	Malappuram	9.39 Ares	18/1/2016	17/1/2017	75000

438	Muhammed Shafi, S/o Kunheethu, Mullappalli House, Koottilangadai.	438/15-16/Lt/DOM/M-87/15 dtd 18/1/2016	Laterite	138/1	Koottilangadi	Perinthalmanna	Malappuram	9.71 Ares	18/1/2016	17/1/2017	75000
439	P.T.Anilkumar, Parammathodi House, Vadakkunpuram	439/15-16/Lt/DOM/M-3242/15 dtd 20/1/2016	Laterite	380/1 C	Kuttiapuram	Tirur	Malappuram	9.71 Ares	20/1/2016	19/1/2017	75000
440	Manikandan, S/o Shanmuhana, Manjagatt House, Eruvakkod.	440/15-16/Lt/DOM/M-3241/15 dtd 20/1/2016	Laterite	380/1 C	Kuttiapuram	Tirur	Malappuram	9.71 Ares	20/1/2016	19/1/2017	75000
441	Abdul Jaleel, Palliyil Peediyekkal House, P.O.Melmuri.	441/15-16/Lt/DOM/M-3018/15 dtd 20/1/2016	Laterite	395	Pookottur	Ernad	Malappuram	48 Cents	20/1/2016	19/1/2017	150000
442	Moideenkuty, Maliyekkal House, S/o Kunhikamm, Edayur.P.O.	442/15-16/Lt/DOM/M-3084/15 dtd 22/1/2016	Laterite	296/1	Irimbiliyam	Tirur	Malappuram	9.71 Ares	22/1/2016	21/01/2017	75000
443	Kunhimammed S/o Abdul, Thulunadan House, Kurumbathoor.	443/15-16/Lt/DOM/M-92/16 dtd 27/1/2016	Laterite	292/2 B	Irimbiliyam	Tirur	Malappuram	9.71 Ares	27/1/2016	26/1/2017	75000
444	Faris.K.M., S/o Aboobacker, Kiliyamanni House, Pang South.P.O.	444/15-16/Lt/DOM/M-175/16 dtd 27/1/2016	Laterite	251/17 B	Kuruva	Perinthalmanna	Malappuram	19.42 Ares	27/1/2016	26/1/2017	150000
445	Sharafuddeen S/o Alavikutti, Achayithodi House, Puzhakattiri.	445/15-16/Lt/DOM/M-18/16 dtd 27/1/2016	Laterite	18	Koottilangadi	Perinthalmanna	Malappuram	18	27/1/2016	26/1/2017	75000
446	Muhammed Shafi, S/o Saidalavi, Nechivan House, Olamathil.P.O.	446/15-16/Lt/DOM/M-3243/16 dtd 27/1/2016	Laterite	264	Payyanad	Ernad	Malappuram	24 Cents	27/1/2016	26/1/2017	75000
447	Noushad.P.K. S/o Aboobacker, Pattarkadavan House, P.O.Kodur.	447/15-16/Lt/DOM/M-2771/16 dtd 29/1/2016	Laterite	458/ 6 B	Kuruva	Perinthalmanna	Malappuram	9.71 Ares	29/1/2016	28/1/2017	75000
448	Achuthan Nair Ambalakkatt House Edayur North P.o	448/15-16/Lt/DOM/M-26/16 dtd 01/02/2016	Laterite	43/	Pathaikara	Perinthalmanna	Malappuram	24 Cents	02-01-2016	31/1/2017	75000

449	Abdul Basheer S/o Alavikutty, Machingal House, Pulpatta.	449/15-16/Lt/DOM/M-2775/15 dtd 03/02/2016	Laterite	7/ 5	Moorkkanad	Perinthalmanna	Malappuram	25 Cents	02-03-2016	02-02-2017	75000
450	Hussain Thaikkanad S/o Aboobacker Haji, Thaikkanad House, Indianoor.P.O.	450/15-16/Lt/DOM/M-42/16 dtd 03/02/2016	Laterite	Bl.42- 89/1	Ponmala	Tirur	Malappuram	9.61 Ares	02-03-2016	02-02-2017	75000
451	Mahesh S/o Sivasankaran, Vatakandathil House, Pullancheri.	451/15-16/Lt/DOM/M-195/16 dtd 03/02/2016	Laterite	112/1	Manjeri	Ernad	Malappuram	24 Cents	02-03-2016	02-02-2017	75000
452	Abdul Latheef, Mankuliangara House, Melmuri.	452/15-16/Lt/DOM/M-261/16 dtd 03/02/2016	Laterite	Bl.14 - 64/3	Muthuvalloor	Kondotty	Malappuram	19.48 Ares	02-03-2016	02-02-2017	150000
453	Mattummal Sharafuddin, S/o Kunheethu, Mattummal House, Randathani.	453/15-16/Lt/DOM/M-88/16 dtd 03/02/2016	Laterite	283	Kottakkal	Tirur	Malappuram	9.60 Ares	02-03-2016	02-02-2017	75000
454	Ashraf Unni S/o Kutti Hassan, Puthan Peediyekkal House, Kadampuzha.	454/15-16/Lt/DOM/M-159/16 dtd 05/02/2016	Laterite	180	Melmuri	Tirur	Malappuram	24 Cents	02-05-2016	02-04-2017	75000
455	Faisal .P.N.S/o Moosa, Palempadiyan Nedumkalathil House, Koottilangadi.	455/15-16/Lt/DOM/M-208/16 dtd 08/02/2016	Laterite	138/1	Kottiliangadi	Perinthalmanna	Malappuram	48 Cents	02-08-2016	02-07-2017	150000
456	Majeed S/o Kunhimuhammed, Kambran House, Kuttoor.P.O.	456/15-16/Lt/DOM/M-128/16 dtd 08/02/2016	Laterite	45	Kannamangalam	Thirurangadi	Malappuram	24 Cents	02-08-2016	02-07-2017	75000
457	Abdullakutti S/o Kunhalassan Haji, Pullatt House, Kannamangalam.P.O.	457/15-16/Lt/DOM/M-91/16 dtd.08/02/2016	Laterite	154/1 A	Kannamangalam	Thirurangadi	Malappuram	48 Cents	02-08-2016	02-07-2017	150000
458	Siddique S/o Saidutty, Therolo Pottammal House, Pantheeramkav, Calicut - 19	458/15-16/Lt/DOM/M-126/16 dtd.08/02/2016	Laterite	469/5, 14	Vazhakkad	Kondotty	Malappuram	24 Cents	02-08-2016	02-07-2017	75000
459	Shaji, S/o Ayyappunni, Punathil House, Kodakkad.	459/15-16/Lt/DOM/M-308/16 dtd.08/02/2016	Laterite	165	Kannamangalam	Thirurangadi	Malappuram	24 Cents	02-08-2016	02-07-2017	75000

460	Sarafuddin.M.S/o Muhammed Kutti, Mulanhipuliakkal House, P.O.Indianoor.	460/15-16/Lt/ DOM/M-3275/15 dtd.10/02/2016	Laterite	105/1 A	Kuruva	Perinthalmanna	Malappuram	24 Cents	02-10-2016	02-09-2017	75000
461	Aboobacker.C.S/o Moideenkutty, Chullilia Veleppl House, Kadancheeri.	461/15-16/Lt/ DOM/M-2284/15 dtd.10/02/2016	Laterite	415/2	Thavanur	Ponnani	Malappuram	24 Cents	02-10-2016	02-09-2017	75000
462	Moideenkoya S/o Ali, Karattupurayil House, P.O.Palikkal.	462/15-16/Lt/ DOM/M-324/16 dtd.10/02/2016	Laterite	208	Kannamangalam	Thirurangadi	Malappuram	19.42 Ares	02-10-2016	02-09-2017	150000
463	Nasheed Ameen S/o Abdul Azeez, Palakkan House, Melmuri.	463/15-16/Lt/ DOM/M-428/16 dtd.17/02/2016	Laterite	143/3, 6	Ponmala	Tirur	Malappuram	24 Cents	17/2/2016	16/2/2017	75000
464	N.Abdulla S/o Ahammed Haji, Nambikunnan House, Mariyad.	464/15-16/Lt/ DOM/M-427/16 dtd.17/02/2016	Laterite	143/3, 6	Ponmala	Tirur	Malappuram	9.71 Ares	17/2/2016	16/2/2017	75000
465	Abdul Majeed .N., Nechikattil House, Indianoor.	465/15-16/Lt/ DOM/M-212/16 dtd.19/02/2016	Laterite	45/4 A	Melmuri	Tirur	Malappuram	24 cents	19/2/2016	18/2/2017	75000
466	K.Bhavada, S/o Parameswaran Nambodiri, PNK Mana, Sukapuram.	466/15-16/Lt/ DOM/M-3235/15 dtd.19/02/2016	Laterite	70/2	Vattankulam	Ponnani	Malappuram	24 Cents	19/2/2016	18/2/2017	75000
467	Abdul Hakkim S/o Muhammed Haji, Ennakkad House, Pulpatta.	467/15-16/Lt/ DOM/M-266/16 dtd.19/02/2016	Laterite	243/pt	Pulpatta	Ernad	Malappuram	24 Cents	19/2/2016	18/2/2017	75000
468	Balakrishnan S/o Velayudhan, Kariadathukunnu, Pallikkal.P.O.	468/15-16/Lt/ DOM/M-39/16 dtd.19/02/2016	Laterite	140/9	Cheekod	Kondotty	Malappuram	19.43 Ares	19/2/2016	18/2/2017	150000
469	Hameed S/o Hydr, Chalappurath House, Alanallur, Edathanattukara.	469/15-16/Lt/ DOM/M-2336/15 dtd.19/02/2016	Laterite	88/5	Keezhattoor	Perinthalmanna	Malappuram	24 Cents	19/2/2016	18/2/2017	75000
470	Muhammed Rafeeq Chungath, S/o Marakkara, Chungath, Tirurkad.	470/15-16/Lt/ DOM/M-346/16 dtd.19/02/2016	Laterite	74/5	Vadakkangara	Perinthalmanna	Malappuram	9.71 Ares	19/2/2016	18/2/2017	75000
471	Abbas Ali.K. S/o Eantheen Haji, Kanakkayil House, Chengottur.P.O.	471/15-16/Lt/ DOM/M-258/16 dtd.19/02/2016	Laterite	66/ 1	Puzhakattiri	Perinthalmanna	Malappuram	48 Cents	19/2/2016	18/2/2017	150000

472	Abbas Ali.K. S/o Eantheen Haji, Kanakkayil House, Chengottur.P.O.	472/15-16/Lt/ DOM/M-284 /16 dtd.19/02/2016	Laterite	240/A	Moorkkanad	Perinthalmanna	Malappuram	9.71 Ares	19/2/2016	18/2/2017	75000
473	Muneer.V.S/o Hamza, Varikkodan House, Kodur.	473/15-16/Lt/ DOM/M-2524 /15 dtd.19/02/2016	Laterite	413/3	Ponmala	Tirur	Malappuram	9.71 Ares	19/2/2016	18/2/2017	75000
474	Shihabuddin.M.S/o Moideen, Puduvali House, Karekkad.	474/15-16/Lt/ DOM/M-8 /16 dtd.19/02/2016	Laterite	413/3	Ponmala	Tirur	Malappuram	9.55 Ares	19/2/2016	18/2/2017	75000
475	Usmankutti, S/o Alavikutti, Thanikkal House, Kadampuzha.	475/15-16/Lt/ DOM/M-2527 /15 dtd.22/02/2016	Laterite	64/1	Pulamanthole	Perinthalmanna	Malappuram	48 cents	22/2/2016	21/2/2017	150000
476	Siddique.K.S/o Muhammed Kutti, Kambran Hose, Kottakkal.	476/15-16/Lt/ DOM/M- 158 /16 dtd.22/02/2016	Laterite	178/4	Ponmala	Tirur	Malappuram	24 cents	22/2/2016	21/2/2017	75000
477	BeeranS/o Muhammed Haji, Thoombath House, Edarikkod.	477/15-16/Lt/ DOM/M- 2762 /15 dtd.22/02/2016	Laterite	394/9	Kottakkal	Tirur	Malappuram	9.54 Cents	22/2/2016	21/2/2017	75000
478	Moideen S/o Pocker Haji, Kuzhikkattu Cholakkal House, Peruvallur.	478/15-16/Lt/ DOM/M- 40 /16 dtd.24/02/2016	Laterite	374/2	Peruvallur	Thirurangadi	Malappuram	21 cents	24/2/2016	23/2/2017	75000
479	Haridasan Pallikkara S/o Imbichi Pallikkara House Parambil Peedika	479/15-16/Lt/ DOM/M- 129 /16 dtd.24/02/2016	Laterite	154/2 A, 2 B	Kannamangalam	Thirurangadi	Malappuram	48 Cents	24/2/2016	23/2/2017	150000
480	Saleem.K.P. S/o Ali, Kallie Parambil House, Kunnappalli.	480/15-16/Lt/ DOM/M- 194 /16 dtd.24/02/2016	Laterite	221	Pathaikara	Perinthalmanna	Malappuram	24 Cents	24/2/2016	23/2/2017	75000
481	Mammu M S/o Kunhimuhammed Machincheri House Edayur North P.O	481/15-16/Lt/ DOM/M- 3085 /15 dtd.26/02/2016	Laterite	109	Edayur	Tirur	Malappuram	24 Cents	26/2/2016	25/2/2017	75000
482	Usmankutti, S/o Alavikutti, Thanikkal House, Kadampuzha.	482/15-16/Lt/ DOM/M- 3236/15 dtd.2/3/2016	Laterite	232/2	Melmuri	Tirur	Malappuram	40.5 Cents	03-02-2016	03-01-2017	150000
483	Abdul Kareee S/o Rayinkutti, Ambalukulambad House, Puthoor Pallikkal.	483/15-16/Lt/ DOM/M- 513/16 dtd.2/3/2016	Laterite	188/4	Kannamangalam	Thirurangadi	Malappuram	9.72 Cents	03-02-2016	03-01-2017	75000

484	P.Musthafa S/o Abdul Khader, Puthukulangarappadi, Mannur.	484/15-16/Lt/ DOM/M-426/16 dtd.2/3/2016	Laterite	50/2	Kannamangalam	Thirurangadi	Malappuram	24 Cents	03-02-2016	03-01-2017	75000
485	Abu Thahir S/o Kunhali kutty Pandikkadavath House Oorakam Melmuri	485/15-16/Lt/ DOM/M-387/16 dtd.2/3/2016	Laterite	47/5	Koottiliangadi	Perinthalmanna	Malappuram	9.63 Ares	03-02-2016	03-01-2017	75000
486	Muhammed Yasin S/o sainudheen, Thalappil House, Pang Chandi.	486/15-16/Lt/ DOM/M-113/16 dtd.2/3/2016	Laterite	157/7	Kuruva	Perinthalmanna	Malappuram	24 Cents	03-02-2016	03-01-2017	75000
487	Ayoob.P.T.S/o Avaran, Pattammarthodi House, Irimbiliyam.	487/15-16/Lt/ DOM/M-347/16 dtd.4/3/2016	Laterite	210/1 A	Irimbiliyam	Tirur	Malappuram	9.71 Ares	03-04-2016	03-03-2017	75000
488	JafarS/o Alavikutti, Paraparambil House, Karekkad.	488/15-16/Lt/ DOM/M-3078/15 dtd.4/3/2016	Laterite	1/	Edayur	Tirur	Malappuram	9.71 Ares	03-04-2016	03-03-2017	75000
489	Kamalahassan S/o Bhaskaran, Palamkulangara House, pulikkal.	489/15-16/Lt/ DOM/M-89/16 dtd.4/3/2016	Laterite	243/3	Pulikkal	Kondotty	Malappuram	9.60 Ares	03-04-2016	03-03-2017	75000
490	Abdul Hakkim S/o Muhammed Haji, Ennakkad House, Pulpatta.	490/15-16/Lt/ DOM/M-600/16 dtd.9/3/2016	Laterite	249/2	Morayur	Kondotty	Malappuram	249/2	03-09-2016	03-08-2017	75000
491	UmmerS/oAboobacker, Kunnathodi House, Vallikkapatta.	491/15-16/Lt/ DOM/M-192/16 dtd.9/3/2016	Laterite	14/4	Koottiliangadi	Perinthalmanna	Malappuram	24 Cents	03-09-2016	03-08-2017	75000
492	V.Abdul Majeed, S/o Moosa, Valluvambal, Vellayur.	492/15-16/Lt/ DOM/M-3105/15 dtd.9/3/2016	Laterite	100/6	Pandallur	Ernad	Malappuram	9.72 Ares	03-09-2016	03-08-2017	75000
493	Shihabuddin S/o Alavi, Poozhithara House, P.O.Pang South	493/15-16/Lt/ DOM/M-348/16 dtd.11/3/2016	Laterite	251/9	Kuruva	Perinthalmanna	Malappuram	9.71 Ares	03-11-2016	03-10-2017	75000
494	Chandra Babu.M.S/o Nagan, Manarkkal House, Olamathil.P.O.	494/15-16/Lt/ DOM/M-285/16 dtd.11/3/2016	Laterite	243/pt	Pulpatta	Ernad	Malappuram	24 Cents	03-11-2016	03-10-2017	75000
495	Aliyamu Pulattil S/o Kunhimoideen, Pullattil House, Kadampuzha.	495/15-16/Lt/ DOM/M-210/16 dtd.17/3/2016	Laterite	79	Melmuri	Tirur	Malappuram	8.8 Ares	17/3/2016	16/3/2017	75000
496	Saifuddin S/o Moideen kutty, Padinhatu parambil , Peruvallur.	496/2015-16/Lt/DOM/M-444/16 dtd.18/3/2016.	Laterite	208	Kannamangalam	Thirurangadi	Malappuram	24 Cents	18/3/2016	17/3/2017	75000

497	Faisal Babu S/o Muhammed, Nechikkadan House, Kadambod.	497/2015-16/Lt/DOM/M-563/16 dtd.21/3/2016.	Laterite	100/5	Pandalur	Ernad	Malappuram	9.72 Cents	21/3/2016	20/3/2017	75000
498	Shamsuddeenkutty S/o Koyakutti, Parappurath Palliyali House, Puthukkod.	498/2015-16/Lt/DOM/M-697/16 dtd.21/3/2016.	Laterite	351/3	Vazhayoor	Kondotty	Malappuram	12 Cents	21/3/2016	20/3/2017	75000
499	Abdul Gafoor S/o Muhammedali, Ilippurath House, Puthukkod.	499/2015-16/Lt/DOM/M-698/16 dtd.21/3/2016.	Laterite	351/2	Vazhayoor	Kondotty	Malappuram	9.72 Ares	21/3/2016	20/3/2017	75000
500	E.Ahamed, Edathatt House, Pallikkal.P.O.	500/2015-16/Lt/DOM/M-695/16 dtd.21/3/2016.	Laterite	208	Kannamangalam	Thirurangadi	Malappuram	24 Cents	21/3/2016	20/3/2017	75000
501	Musthafa.N.S/o Kunhalavi, Nundath House, Chappanangadi.	501/2015-16/Lt/DOM/M-773/16 dtd.21/3/2016.	Laterite	66/1	Puzhakattiri	Perinthalmanna	Malappuram	24 Cents	21/3/2016	20/3/2017	75000
502	Ashraf.M.S/o Koyaa.M., Kozhisserimad, Puthoor Pallikkal.	502/2015-16/Lt/DOM/M-695/16 dtd.21/3/2016.	Laterite	424/16	Peruvallur	Thirurangadi	Malappuram	5.9 Ares	21/3/2016	20/3/2017	75000
503	Muhammed Rafi.K.S/o Ahamed Koya, Chakkumthodika, Pallikkal.P.O.	503/2015-16/Lt/DOM/M-666/16 dtd.21/3/2016.	Laterite	152/ 2 A	Kannamangalam	Thirurangadi	Malappuram	19.43 Ares	21/3/2016	20/3/2017	150000
504	V.K.Chekkutty S/o Kutti Avaran, Velliakkanakath, Karekkad.	504/2015-16/Lt/DOM/M-448/15 dtd.23/3/2016.	Laterite	251/6 B	Kuruva	Perinthalmanna	Malappuram	9.7 Ares	23/3/2016	22/3/2017	75000
505	Abdul Noufal.E.K.S/o Veeran, Eriyakkalam House, Pookkottur.	505/2015-16/Lt/DOM/M-403/16 dtd.23/3/2016.	Laterite	35	Panakkad	Ernad	Malappuram	9.71 Ares	23/3/2016	22/3/2017	75000
506	Shaji S/o Karikutty, Puliyoadan House, Kummniparamb.	506/2015-16/Lt/DOM/M-442/15 dtd.23/3/2016.	Laterite	180/	Kannamangalam	Thirurangadi	Malappuram	19.42 Ares	23/3/2016	22/3/2017	150000
507	P.Abdul Rasheed S/o Kunhumuhammed, Parakkadavath House, Kottaikkal.	507/2015-16/Lt/DOM/M-2084/15 dtd.28/3/2016.	Laterite	166/3	Irimbiliyam	Tirur	Malappuram	19.40 Ares	28/3/2016	27/3/2017	150000

508	John.C.T. S/o Thomas, Chirathodi Housel Palankara.P.O.	508/2015- 16/Lt/DOM/M- 776/16 dtd.28/3/2016.	Laterite	65/pt	Nilambur	Nilambur	Malappuram	9.71 Ares	28/3/2016	27/3/2017	75000
509	Shafeeq Thayyil, Thayyil House, Pazhamallur.	509/2015- 16/Lt/DOM/M- 344/16 dtd.28/3/2016.	Laterite	135/1	Kodur	Perinthalmanna	Malappuram	9.72 Ares	28/3/2016	27/3/2017	75000
510	Chimayan S/o Chandukutty, Thattalath House, Manasser.P.O.	510/2015- 16/Lt/DOM/M- 344/16 dtd.28/3/2016.	Laterite	6/ 1	Vettilapara	Ernad	Malappuram	9.71 Ares	28/3/2016	27/3/2017	75000
511	Muhammed N.K.. S/o Hamza, Naikath House, Koottil, Mankada.	511/2015- 16/Lt/DOM/M- 775/16 dtd.28/3/2016.	Laterite	59/1	Mankada	Perinthalmanna	Malappuram	9.71 Ares	28/3/2016	27/3/2017	75000
512	Muhammed Rafeeq, Kooliyodan House, Mallampara, Manjeri	512/2015- 16/Lt/DOM/M- 499/16 dtd.30/3/2016.	Laterite	138/1	Koottiliangadi	Perinthalmanna	Malappuram	9.71 Ares	30/3/2016	29/3/2017	75000
513	Suresh Babu.K.P.S/o Arumughan, Velumbilankuzhi House, Cheruvayoor.	513/2015- 16/Lt/DOM/M- 355/16 dtd.30/3/2016.	Laterite	188/3	Cheekod	Kondotty	Malappuram	9.71 Ares	30/3/2016	29/3/2017	75000
514	Abdul Basith S/o Abdul Rasak, Puliyil Madasser House, Melmuri.P.O.	514/2015- 16/Lt/DOM/M- 694/16 dtd.30/3/2016.	Laterite	155 (Q 8)	Melmuri	Ernad	Malappuram	19.42 Ares	30/3/2016	29/3/2017	150000
515	Abdul Basith S/o Abdul Rasak, Puliyil Madasser House, Melmuri.P.O.	515/2015- 16/Lt/DOM/M- 696/16 dtd.30/3/2016.	Laterite	1558/2	Melmuri	Ernad	Malappuram	9.74 Ares	30/3/2016	29/3/2017	75000

Table 2e: List of Registered Metal Crusher Units - RMCU

Sl no	Concession holder's name and address	Concession no.	Mineral	Survey no	Village	Thaluk	No.of secondary crushers	Valid from	Valid to	Consolidated royalty(Rs)	Lease number(s)
1	M/s Poabson Granites Products p(Ltd),Thekkad(po),Perinthamma, Malappuram	85/2015-16/RMCU/MLMP/3366/M3/2015	Granite Building Stone	59/2	Kariavattom	Perinthamma	4	30/03/2015	31/03/2016	12,00,000	1)No.575/2002-03/710/M3/03 dtd 14/2/03,(2)No.576/2002-03/711/M3/03 dtd 14/2/03,(3)No.65/2007-08/2310/M3/07 dtd 3/5/07
2	Mg:partner, Thomarappara Bricks & Metals, Panambilavu P.O, Areacode Malappuram .Pin:673639	53/2015-16/RMCU/MLMP/3225/M3/2015	Granite Building Stone	6/1pt	Vettlappara	Eranad	3	28/03/2015	31/03/2016	4,50,000 + 4,50,000	No.126/2007-08/3739/M3/07 dtd 30/5/07
3	M.C.Mayin Haji,Mg : Director Calicut Granites(Pvt)(Ltd), Pullithody House P.O Nallalam , Calicut Dt.	31/2015-16/RMCU/MLMP/3215/M3/2015	Granite Building Stone	266/1,2part	Cherukavu	Eranad	3	27/03/2015	31/03/2016	4,00,000	No.100/2007-08/3483/M3/07 dtd 17/5/07
4	A M. Mohammedali Managing Partner Mubaraq Granite Chathallur P.O, Edavanna Malappuram Dist pin: 676541	03/2015-16/RMCU/MLMP/2825/M3/2015	Granite Building Stone	96pt,94pt(Block no.70)	Perakamma	Eranad	2	18/03/2015	31/03/2016	3,00,000	No.268/2007-08/6021/M3/07 dtd 20/7/07
5	K.Kunhimoyin Managing Partner M/S Friends Crushers Vailapuzha ,Areacode Malappuram Dist.	11/2015-16/RMCU/MLMP/3018/M3/2015	Granite Building Stone	49/2pt Block 21	Keezhuparamba	Eranad	2	26/03/2015	31/03/2016	2,00,000	No.631/2007-08/8745/M3/07 dtd 27/11/07
6	V. Abdurahiman, Managing partner, Bismi Granites Industries, Kizhake Chathallur(po) Edavanna, Malappuram	131/2015-16/RMCU/MLMP/3573/M3/2015	Granite Building Stone	354/1	Perakamma	Eranad	2	04-04-2015	31/03/2016	2,00,000	No.175/2008-9/5826/M3/08 dtd 17/6/08
7	M.M.Azad, Managing partner, M/s Malabar Bricks metals, Poovathikkal P.O., Areacode Malappuram	132/2015-16/RMCU/MLMP/3583/M3/2015	Granite Building Stone	83/2	Urgattiri	Eranad	2	04-04-2015	31/03/2016	2,00,000	No.176/2008-09/5828/M3/08 dtd 17/6/08

8	O.Muhammed Shareef, Managing Director,M/s port land Granites p(Ltd), Pulikkal, Olavattur P.O Malappuram Dist. Pin:673638	45/2015- 16/RMCU/MLMP/ 3314/M3/2015	Granite Building Stone	171/8	Pulikkal	Eranad	4	28/3/2015	31/3/2016	5,00,000	No.548/2010-11/9135/ M3/12 dtd 26/11/12
9	P.K.Muhammed Asharaf, Managing Partner Hi-Tech Metals Naduvakkad,Oorakkam, Melmuri P.O, Malappuram - 676519	01/2015- 16/RMCU/MLMP/ 2504/M3/2015	Granite Building Stone	8/2unit	Oorakam	Thirurangadi	3	03-11-2015	31/3/2016	4,00,000	No.439/2011-12/7485/ M3/11 dtd 12/10/11
10	N. Abdul Rasheed Nalakkath House Perinthalmanna, Malappuram	114/2015- 16/RMCU/MLMP/ 3457/M3/2015	Granite Building Stone	13/1	Kariavattom	Perinthalmanna	1	31/3/2015	31/3/2016	4,00,000	No.588/214-15/1011/ M3/2014 dtd 25/11/2014
11	M/S Aranhikkal Granite Unit Pathappiyam P.O Malappuram Dist. Pin:676123	26/2015- 16/RMCU/MLMP/ 3189/M3/2015	Granite Building Stone	113/pt	Edavanna	Eranad	3	26/03/2015	31/03/2015	7,00,000	No.668/2005- 06/1618/M3/06 dtd 22/2/06
12	Areacode Granited Pvt.Ltd Vakkaloor,Kavanoor P.O Malappuram Dist.	106/2015- 16/RMCU/MLMP/ 3456/M3/2015	Granite Building Stone	2,10,213	Kavanoor	Eranad	2	31/3/2015	31/3/2016	1,00,000 +1,00,000	No.579/214- 2015/8727/M3/2014 dtd 20/11/2014

Table 2f: List of Dealer's License granted for Granite building stone

Sl no	Concession holder's name and address	Concession no.	Mineral	Survey no	Village	Thaluk	District	Area(ha) (Acre)	Valid from	Valid to	Quantity	DL Fee(Rs)
1	Abdul Salam E.V Chernad Metal Works Valiyad Kooriyad	47/2014-15 Gr/Dom/m-2421/14 dtd 2/2/15	Granites Metal	271/3,8	Vengara	Thirurangadi	Malappuram	0.30 Acre	21/1/2015	31/03/2016	13500M T	25000
2	M P Muhammed Kutty S/o Khadar Haji Mullappali House Pang South P.o	48/2015- 16/Gr/Dom/m- 139/14 dtd 02/02/2015	Granites Metal	256/6A,6B	Kuruva	perinthalmanna	Malappuram	80 cent	02-02- 2015	31/3/2016	13500M T	25000
3	P Sakeer S/o Moideen P Puliyil Pallikkuth House Pang South P.O	49/2014- 15/Gr/Dom/m 234/15 dtd 4/2/15	Granites Metal	Q 19,1262/pt	Melmuri	Ernad	Malappuram	34 Cent	02-04- 2015	31/3/2016	10000M T	18000
4	P V Ajeesh Dhowrakha Cheruppa, Kozhikkode	50/2014- 15/Gr/Dom/m 172/15 dtd 6/2/16	Granites Metal	159/1,171/9	Pulikkal	Kondotty	Malappuram	25 Cent	02-06- 2015	31/3/2016	13500 MT	25000
5	Muhammed Iqbal MG Partner Pulancheri Granites Industries	51/2014- 15/Gr/Dom/m 267/15 dtd 9/2/15	Granites Metal	168	Anakkayam	Ernad	Malappuram	1 Acre	02-09- 2015	31/3/2016	6000Mt	10000
6	V. P Moideen Kutti V P M-Sand Edayur P.O , Pookkattiri	52/2014- 15/Gr/Dom/m 337/15 dtd 23/2/15	Granites Products	201/1,2	Edayur	Tirur	Malappuram	50 Cent	23/2/2015	22/2/2016	20000M T	80000
7	T .Saidalavi Haji Thayyil House Athavanad , Thirunavaya	53/2014- 15/Gr/Dom/m 378/15 dtd 4/3/2015	Granites Products	168/1	Athavanad	Tirur	Malappuram	23 Cent	03-04- 2015	03-03- 2016	20000Mt	8000
8	V K Mubasheer Chengott Stone Crusher Vazhayoor	54/2014- 15/Gr/Dom/m 493/15 dtd 16/3/2015	Mineral Products GBS	167/2	Vazhayoor	Kondotty	Malappuram	28.34 Ares	16/3/2015	15/3/2016	2000MT	8000
9	Suresh Babu K Kolothodi House Kodur P.o	55/2014- 15/Gr/Dom/m 522/15 dtd 18/3/2015	Mineral Products GBS	539/8,9	Malappuram,	Ernad	Malappuram	27.84 Cents	18/3/2015	17/3/2016	2000MT	8000

10	MM Ummer Nazera Granites Puthukkod P.O	56/2014- 15/Gr/Dom/m 544/15 dtd 20/3/2015	Mineral Products GBS	368/pt	Vazhayoor	Ernad	Malappura m	35 Cent	20/3/2015	19/3/2016	2000MT	8000
11	V P Shareef Pallikkara House Payyannad, Manjeri	57/2014- 15/Gr/Dom/m 542/15 dtd 23/3/2015	Granite Building Stone Mineral Products	385/1	Payyannad	Manjeri	Malappura m	10 Cent	23/3/2015	22/3/2016	5000Mt	20000
12	K Midun Vazhakode Stone Crusher Poovathikkal P.o	58/2014- 15/Gr/Dom/m 557/15 dtd 23/3/2015	Granite Building Stone Mineral Products	109/2	Oorangattiri	Ernad	Malappura m	24 Cent	23/3/2015	22/3/2016	5000Mt	20000
13	K P Ibrahim Kangattu Puthan Veettil Vadakkangara P.O	59/2014- 15/Gr/Dom/m 556/15 dtd 23/3/2016	Granite Building Stone Mineral Products	75/1B1	Vadakkangara	perinthalmanna	Malappura m	30 Cent	23/3/2015	22/3/2016	5000MT	20000
14	P T Abdul Azeez Al- Ameen Rubbles Vazhayoor P.O	60/2014- 15/Gr/Dom/m 572/15 dtd 23/3/2015	Granite Building Stone Mineral Products	371/16	Vazhayoor	Kondotty	Malappura m	10 Cent	23/3/2015	22/3/2016	2000MT	8000
15	V Althaf MG. Partner SS Granites Vazhayoor	61/2014- 15/Gr/Dom/m 558/15 dtd 23/3/2015	Granite Building Stone Mineral Products	136/7,8 145/1	Vazhayoor	Kondotty	Malappura m	25 Cents	23/3/2015	22/3/2016	3000MT	12000
16	T P Noushad Hindusthan Crusher Company Kannamangalam	62/2014- 15/Gr/Dom/m 577/15 dtd 23/3/2015	GBS Products	104/2A	Kannamangalam	Thirurangadi	Malappura m	59 Cent	23/3/2015	22/3/2016	8000MT	32000
17	P. Veeran Kutti Poothanari House Palpatta P.O	63/2014- 15/Gr/Dom/m 574/15 dtd 25/3/2015	GBS Mineral Products	55/1	Pulppatta	Ernad	Malappura m	20 Cent	25/3/2015	24/3/2016	2500MT	10000
18	K t Jaffar Vadakkayil House Thottilangadi P.o Areacode	64/2014- 15/Gr/Dom/m 601/15 dtd 25/3/2015	GBS Mineral Products	350/1,2	Payyannad	Ernad	Malappura m	1 Acre	25/3/2015	24/3/2016	2000MT	8000

19	M A. Abdul Kareem Managing Partner Hajer Industries Pazhoor P.O	65/2014- 15/Gr/Dom/m 590/15 dtd 25/3/2015	GBS Mineral Products	361	Naduvattam	Tirur	Malappuram	65 Cent	25/3/2015	24/3/2016	6000MT	24000
20	Sajeev M A MG. Partner Palikkal Granites Chirayil P.O	66/2014- 15/Gr/Dom/m 449/15 dtd 25/3/2015	GBS Mineral Products	148/4	Nediyirippu	Kondotty	Malappuram	50 Cent	25/3/2015	24/3/2016		40000
21	U. Abdul Kareem Managing Partner U K Granites Edayur North	67/2014- 15/Gr/Dom/m 609/15 dtd 26/3/2015	GBS Mineral Products	428	Edayur	Tirur	Malappuram	33.24 Cent	26/3/2015	25/3/2016	10000MT	40000
22	Siddique P V K M Granite Puthukkod	68/2014- 15/Gr/Dom/m 605/15 dtd 27/3/2015	GBS Mineral Products	355/4,1 368/pt	Vazhayoor	Kondotty	Malappuram	59 Cent	27/3/2015	26/3/2016	4000MT	16000
23	K C Veeran Kutti Firo Granite Industries Anthyoor Kunnu Palikkal P.O	69/2014- 15/Gr/Dom/m 578/15 dtd 27/3/2015	GBS Mineral Products	236/1	Palikkal	Kondotty	Malappuram	61 cent	27/3/2015	26/3/2016	5000MT	20000
24	P k Samaddin Brothers Stone Crusher Oorangattiri P.O	70/2014- 15/Gr/Dom/m 649/15 dtd 30/3/2015	GBS Mineral Products	144/pt	Oorangattiri	Eranaad	Malappuram	55.5 cent	30/3/2015	29/3/2016	5000MT	20000
25	Suresh C Cheryamundath Crusher Karekkad P.O Edayur	71/2014- 15/Gr/Dom/m 646/15 dtd 30/3/2015	GBS Mineral Products	98	Edayur	Tirur	Malappuram	1.23 Cents	30/3/2015	29/3/2016	5000MT	20000
26	A. Jamal Muhammed Mg. Partner Brothers Granites Metals Palappatta	72/2014- 15/Gr/Dom/m 672/15 dtd 31/3/2015	GBS Mineral Products	111/6/2	Perakamma	Eranaad	Malappuram	64 Cent	31/3/2015	30/3/2016	10000MT	40000
27	A. Jamala Muhammed (Aranhikkal) Al- Madaan Granite Metal and Cement Industries Thuvvakkad	73/2014- 15/Gr/Dom/m 654/15 dtd 31/3/2015	GBS Mineral Products	218	Perakamma	Eranaad	Malappuram	66.6 Cents	31/3/2015	30/3/2016	2000MT	8000
28	Muhammed Shafeeq Kuruniyan House Mattathur, Othukkungal	01/2015- 16/Gr/Dom/m 645/15 dtd 01/04/2015	Granite Mineral Products	307/14	Othukkungal	Thirurangadi	Malappuram	12.5 cent	04-01- 2015	31/3/2016	2000MT	8000

29	T P Ali Moideen Gulfar Granite Industries Kannamangalam ,Malappuram	02/2015- 16/Gr/Dom/m 659/15 dtd 06/04/2015	Granite Mineral Products	41/1,2,,3	Kannamangalam	Thirurangadi	Malappuram	26 Cent	04-06- 2015	04-05- 2016	8000MT	
30	T P Ali Moideen Gulfar Granite Industries Kannamangalam ,Malappuram	03/2015- 16/Gr/Dom/m 658/15 dtd 06/04/2015	Granite Mineral Products	35/1A,B1B/1G	Kannamangalam	Thirurangadi	Malappuram	60 Cent	04-06- 2015	04-05- 2016	32000	
31	P K Ashraf QRB Crusher Unit Vazhayoor P.o	04/2015- 16/Gr/Dom/m 720/15 dtd 06/04/2015	Granite Building Stone Commercia l Products	15/28	Vazhayoor	Kondotty	Malappuram	50 Cent	04-06- 2015	04-05- 2016	2000MT	8000
32	K P Abbas Ali Cheerathodi House Valiyaparamb	05/2015- 16/Gr/Dom/m 719/15 dtd 06/04/2015	Granite Building Stone Commercia l Products	274/1	Palikkal	Kondotty	Malappuram	41 Cent	04-06- 2015	04-05- 2016	5000MT	20000
33	M E Mohanan High Grip Gmites Vazhayoor	06/2015- 16/Gr/Dom/m 664/15 dtd 06/04/2015	Granite Building Stone Commercia l Products	155/1	Vazhayoor	Kondotty	Malappuram	50 Cent	04-06- 2015	04-05- 2016	10000M T	40000
34	V Moideen VKH Hollow Bricks Stone Crusher Muthuvallur	07/2015- 16/Gr/Dom/m 693/15 dtd 06/04/2015	Granite Building Stone Commercia l Products	216/8,7,10	Muthuvallur	Kondotty	Malappuram	50 Cent	04-06- 2015	04-05- 2016	5000 MT	20000
35	V Moideen V K M Stone Crusher Cheroor Vengara	08/2015- 16/Gr/Dom/m 694/15 dtd 06/04/2016	Granite Building Stone Commercia l Products	80/1C,82/2B 82/1, 80/1C/c	Kannamangalam	Thirurangadi	Malappuram	25 Cent	04-06- 2015	04-05- 2016	5000MT	20000
36	V P Abdulla Elite Granite and Hollow Bricks K v Kav ,Palikkal	09/2015- 16/Gr/Dom/m 699/15 dtd 06/04/2015	GBS Products	197/5	Cherukav	Kondotty	Malappuram	22 Cent	04-06- 2015	04-05- 2016	5000MT	20000
37	A C Aburahiman AA Crashing Unit Peruvallur	10/2015- 16/Gr/Dom/m 663/15 dtd 06/04/2015	GBS Products	119/1,2	Peruvallur	Thirurangadi	Malappuram	40 cent	04-06- 2015	04-05- 2016	5000 MT	20000

38	K P Sulaiman Haji Kanniparambil House Munniyoor P.O Pin: 673639	11/2015- 16/Gr/Dom/m 731/15 dtd 08/04/2015	GBS Products	332	Kavanoor	Ernad	Malappuram	70 Cent	04-08- 2015	04-07- 2016	8000MT	32000
39	M K Moosa Kutti Haji MG. Partner Rahmath Granite Crusher ,Pannippara	12/2015- 16/Gr/Dom/m 728/15 dtd 09/04/2015	GBS Products	7/3pt	Karakkundu	Ernad	Malappuram	50 Cent	04-09- 2015	04-08- 2016	5000MT	20000
40	K k Abdul Majeed Managing Partner Anzar Granite Industries Kannamangalam-676335	13/2015- 16/Gr/Dom/m 732/15 dtd 10/04/2015	GBS Products	76/1	Kannamangalam	Thirurangadi	Malappuram	1.04 Acre	04-10- 2015	04-09- 2016	5000MT	20000
41	P Sakaria Pullatt House Kannamangalam	14/2015- 16/Gr/Dom/m 730/15 dtd 10/04/2015	GBS Products	36/1	Kannamangalam	Thirurangadi	Malappuram	31 Cent	10/4/2001 5	04-09- 2016	5000MT	20000
42	P K Muhammad Kutti MG. Partner Karippur Granite Industries Karippur P.O Pin:673638	15/2015- 16/Gr/Dom/m 735/15 dtd 10/04/2015	GBS Products	246/1	Palikkal	Kondotty	Malappuram	40 Cent	04-10- 2015	04-09- 2016	6000MT	24000
43	E. Ummer Bava Easakkanakath Down Hill ,Malappuram	16/2015- 16/Gr/Dom/m 761/15 dtd16/04/2015	GBS Products	203/1 204/3	Karakkundu	Ernad	Malappuram	24.50 cent	16/4/2015	15/4/2016	5000MT	20000
44	Sabna Vikas Vikas Granites Kannamvettikav	17/2015- 16/Gr/Dom/m 722/15 dtd 16/04/2015	GBS Products	253/10,11,12,1 3	Cherukav	Kondotty	Malappuram	35 Cent	16/4/2015	15/4/2016	5000MT	20000
45	V Ibrahim Haji Vazhathodi House Cherukave P.o	18/2015- 16/Gr/Dom/m 729/15 dtd 17/04/2015	GBS Products	7/7	Elamkulam	perinthalmanna	Malappuram	25 Cent	17/4/2015	16/4/2016	3500MT	14000
46	V Abdurahiman Mg. Partner Akkod Granite Vazhayoor	19/2015- 16/Gr/Dom/m 803/15 dtd 17/04/2015	GBS Products	104/1pt	Vazhayoor	Kondotty	Malappuram	1.20 acre	17/4/2015	16/4/2016	10000MT	40000
47	V Sajeer Babu K P Granite Unit Thavanoor ,Kizhisseri	20/2015- 16/Gr/Dom/m 773/15 dtd 17/04/2015	GBS Products	421/7	Kuzhimanna	Kondotty	Malappuram	61.77 cent	17/4/2015	16/4/2016	5000MT	20000

48	P Mammadu Pullatt House Kannamanagalam	21/2015-16/Gr/Dom/m 802/15 dtd 20/04/2015	GBS Products	110/2	Edayur	Tirur	Malappuram	90.Cent	20/4/2015	19/4/2016	4000MT	16000
49	O R Sadanandan MD. Vallikkad Granite Nelliappalil P.O Palghat	22/2015-16/Gr/Dom/m 765/15 dtd 20/04/2015	GBS Products	132/2	Pulikkal	Kondotty	Malappuram	74 cent	20/4/2015	19/4/2016	2000MT	8000
50	Ibrahim Palliyali Rahmath Manzil Moonniyyor P.o	23/2015-16/Gr/Dom/m 827/15 dtd 20/04/2015	Granite Buliding Stone Products	132/27	Cherukav	Kondotty	Malappuram	88 Cent	20/4/2015	19/4/2016	5000MT	20000
51	A Siddique Athimikkal House Thirunnavaya	24/2015-16/Gr/Dom/m 808/15 dtd 20/04/2015	Granite Buliding Stone Products	138/1	Kurumbathur	Tirur	Malappuram	10 Cent	20/4/2015	19/4/2016	2500MT	10000
52	Abdul Salam C Cheryampurath Thirunnavaya P.O	25/2015-16/Gr/Dom/m 807/15 dtd 20/04/2015	Granite Buliding Stone Products	418/1	Kottakkal	Tirur	Malappuram	15 Cent	20/4/2015	19/4/2016	2500MT	10000
53	A Siddique Athimikkal House Thirunnavaya	26/2015-16/Gr/Dom/m 807/15 dtd 20/04/2015	Granite Buliding Stone Products	379/9	Thirunnavaya	Tirur	Malappuram	10 Cent	20/4/2015	19/4/2016	2500MT	10000
54	Yusaf Haji Bharathi Granite Industries Apparambil House Parammalangadi P.O	27/2015-16/Gr/Dom/m 733/15 dtd 20/04/2015	Granite Buliding Stone Products	309	Athavanad	Tirur	Malappuram	1 Acre	20/4/2015	19/4/2016	4000MT	16000
55	Kanneeth Kunhahammed MG.Partner Kanneth Industries Cheroor P.O	28/2015-16/Gr/Dom/m 817/15 dtd 20/04/2015	Granite Buliding Stone Products	462/4	Kannamangalam	Thirurangadi	Malappuram	83 Cent	20/4/2015	19/4/2016	13500MT	54000
56	Abdul Azees E K E K C Crusher Kannamangalam	29/2015-16/Gr/Dom/m 756/2015 dtd 22/4/2015	Granite Buliding Stone Products	1	Kannamangalam	Thirurangadi	Malappuram	50 Cent	22/4/2015	21/4/2016	10000MT	40000
57	Kabeer P Premier Infra Granite Chirayil .Kondotty	30/2015-16/Gr/Dom/m 858/15 dtd 22/04/2015	Granite Buliding Stone Products	152/1	Nediyirippu	Kondotty	Malappuram	50 Cent	22/4/2015	21/4/2016	5000MT	20000
58	M P Shamsuddin M P House Pulikkal P.O	31/2015-16/Gr/Dom/m 890/15 dtd 24/04/2015	Granite Buliding Stone Products	251/4	Cherukav	Kondotty	Malappuram	17 Cent	24/4/2015	23/4/2016	5000MT	20000

59	T P Abu Crescent Grmaite Industries Kannamvettikav	32/2015- 16/Gr/Dom/m 755/15 dtd 27/04/2015	Granite Buliding Stone Products	172/3	Cherukav	Kondotty	Malappura m	62 Cent	27/4/2015	26/4/2016	5000MT	20000
60	Shahila Am Directar Thekkin chuvad Granite PVT Ltd	33/2015- 16/Gr/Dom/m 1035/15 dtd 4/5/2015	Granite Buliding Stone Products	218/1,2,3	Kizhiparamb	Ernad	Malappura m	1.35 Acre	05-04- 2015	05-03- 2016	10000M T	20000
61	M P Muhamme Mundampurath House Perumanna P.O	34/2015- 16/Gr/Dom/m 1026/15 dtd 07/5/2015	Granite Buliding Stone Products	227/6,206/2	Vazhayoor	Kondotty	Malappura m	15 Cent	05-07- 2015	05-06- 2016	6000MT	24000
62	V P Abdul Rasak Ideal Building Material and Job Works Pallikkal	35/2015- 16/Gr/Dom/m 1156/15 dtd13/5/2015	Granite Buliding Stone Products	147/14	Pallikkal	Kondotty	Malappura m	75 cent	13/5/2015	05-12- 2016	3000MT	12000
63	E K Ali moideen Malabar Mechine metals Kannamangalam	36/2015- 16/Gr/Dom/m 1177/15 dtd 13/5/2015	Granite Buliding Stone Products	185/5,189	Kannamangalam	Thirurangadi	Malappura m	1.21 Acre	13/5/2015	05-12- 2016	12000Mf	48000
64	P Suhara Angadippram Blue Metals Valambur Anagadippram	37/2015- 16/Gr/Dom/m 1188/15 dtd 15/5/2015	Granite Buliding Stone Products	101/4	Valambur	perinthalmanna	Malappura m	79 Cent	15/5/2015	14/5/2016	4000MT	16000
65	Elayedath Amina Vadakkayil House Thottilangadi	38/2015- 16/Gr/Dom/m 1189/15 dtd 15/5/2015	Granite Buliding Stone Products	524/1,2,3	Kavanoor	Ernad	Malappura m	48 Cent	15/5/2015	14/5/2016	3000MT	12000
66	Shamon PS S/o Sajad Puthukkodan H Rayon puram P.O	39/2015- 16/Gr/Dom/m 1189/15 dtd 15/5/2015	Granite Buliding Stone Products	415/1	Kuzhimanna	Kondotty	Malappura m	20 Cent	15/5/2015	14/5/2016	6000MT	24000
67	Muhammed Babu Chalil House Hi-Rock M-Sand Edappatta P.O	40/2015- 16/Gr/Dom/m 1227/15 dtd 18/5/2015	Granite Buliding Stone Products	233/2(BL 43)	Edappatta	perinthalmanna	Malappura m	25 Cent	18/5/2015	17/5/2016	4000MT	16000
68	Noufal S/o Moideen Theikkedath House Kalikkavu -676525	41/2015- 16/Gr/Dom/m 1281/15 dtd 22/5/2015	Granite Buliding Stone Products	233/2/2	Thiruvalli	Nilambur	Malappura m	12 Cent	22/5/2015	21/5/2016	3000MT	12000
69	Muhammed Shameem P Safiya Manzil Nediyririppu P.O pin:673638	42/2015- 16/Gr/Dom/m 1308/15 dtd 25/5/2015	Granite Buliding Stone Products	18/7 BI No.5	Vazhayoor	Kondotty	Malappura m	40 cent	25/5/2015	24/5/2016	5000MT	20000

70	P Abu MG. Partner City Metals Manjeri	43/2015-16/Gr/Dom/m 1286/15 dtd 25/5/2015	Granite Buliding Stone Products	32/1	Payyannad	Ernad	Malappuram	40 cent	25/5/2015	24/5/2016	8000MT	32000
71	E K Ahmmed Koya Edavadi Kumanthodi House Velimukku	44/2015-16/Gr/Dom/m1313/1 5 dtd 25/5/2015	Granite Buliding Stone Products	298/1 2B RS No.415	Munniyoor	Thirurangadi	Malappuram	54 cent	25/5/2015	24/5/2016	6000MT	24000
72	M Abdul Rasheed Rock Field Industries Chirayil P.O	45/2015-16/Gr/Dom/m1315/1 5 dtd 25/5/2015	Granite Buliding Stone Products	150/7,8,9	Nediyirippu	Kondotty	Malappuram	80 cent	25/5/2015	24/5/2016	4000MT	16000
73	K C Kammukutti Baniyas Granite Industries Kadampuzha	46/2015-16/Gr/Dom/m1314/1 5 dtd 25/5/2015	Granite Buliding Stone Products	29 BI No.26	Thozhuvannoor	Tirur	Malappuram	1.33 Acre	25/5/2015	24/5/2016	12000MT	48000
74	C Muhamadali Mg. Partner C &K Granite Industries Chirayil P.O	47/2015-16/Gr/Dom/m1279/1 5 dtd 25/5/2015	Granite Buliding Stone Products	BI No. 36 149/3,148/1	Nediyirippu	Kondotty	Malappuram	50 Cent	25/5/2015	24/5/2016	10000MT	40000
75	P Kunhumammed Mg. Partner PM Crusher Metals Karuvambram	48/2015-16/Gr/Dom/m1353/1 5 dtd 27/5/2015	Granite Buliding Stone Products	186/1	Narukara	Ernad	Malappuram	1 Acre	27/5/2015	26/5/2016	4000MT	16000
76	Abdul Aziz C K Mg. Director Cheroor Bricks & Sands Cheroor P.o	49/2015-16/Gr/Dom/m1333/1 5 dtd 27/5/2015	Granite Buliding Stone Products	58	Kannamangalam	Thirurangadi	Malappuram	30 Cent	27/5/2015	26/5/2016	10000MT	40000
77	P M Muhammed Vettilappara Bricks & Metals	50/2015-16/Gr/Dom/m1416/1 5 dtd 29/5/2015	Granite Buliding Stone Products	8/2	Vettilappara	Ernad	Malappuram	50 Cent	06-01-2015	31/5/2016	5000MT	20000
78	C Abdul Saleem Mg. Partner Aroor Granites Olavattur P.O	51/2015-16/Gr/Dom/m1399/1 5 dtd 01/6/2015	Granite Buliding Stone Products	117/1/2	Pulikkal	Kondotty	Malappuram	10 Cent	06-01-2015	31/5/2016	2000MT	8000
79	Surkathulla S/o Aboobacker Haji Kuttasser House Poovathikkal	52/2015-16/Gr/Dom/m1515/1 5 dtd 06/6/2015	Granite Buliding Stone Products	219/3 BI No. 21	Kizhuparamba	Ernad	Malappuram	10 Cent	06-06-2015	5/6/52016	3000MT	12000
80	Kunhimoiddeen P S/o Muhammed Poolakkal House Parappur	53/2015-16/Gr/Dom/m1473/1 5 dtd 06/6/2015	Granite Buliding Stone Products	262/12	Parappur	Thirurangadi	Malappuram	10 Cent	06-06-2015	05-05-2016	2000MT	8000

81	AbduSalam P Parathappoyil House Kalanthodi Nair Kuzhi P.O	54/2015-16/Gr/Dom/m1583/15 dtd 24/6/2015	Granite Buliding Stone Products	72/1,2 BI No. 75	Kannamangalam	Thirurangadi	Malappuram	16 Cent	24/6/2015	23/6/2016	10000MT	40000
82	K M Ameer MD. Brothers Crusher Pvt Ltd Kilimakkode P.o Vengara	55/2015-16/Gr/Dom/m1642/15 dtd 24/6/2015	Granite Buliding Stone Products	23,2,83/2/1, BI No. 37	Ooragam	Thirurangadi	Malappuram		24/6/2015	23/6/2016	15000Mt	60000
83	Sindhu V P Kavumpurath House Eravimangalam P.O Cherukara	56/2015-16/Gr/Dom/m1543/15 dtd 26/6/2015	Granite Buliding Stone Products	89/1,2,3,4	Pathaikara	perinthalmanna	Malappuram	20 Cent	26/6/2015	25/6/2016	2000MT	8000
84	P.Kunjumammed,paliyett metals,Hajiarpalli .po	57/2015-16/Gr/Dom/m-1672/15 dtd 29-06-2015	Granite Buliding Stone Products	1/1B	chungam,melmuri	Ernad	Malappuram	1 Acre	29/6/2015	28/6/2016	3000MT	12000
85	PT .Ashraf ,managing partenr ,Al- Jauf Granite metals ,vahzakkad,poovthikkal.Po	58/2015-16/Gr/Dom/m1735/15 dtd 30/7/2015	Granite Buliding Stone Products	184/(B1.27)	oorganttiri	Ernad	Malappuram	50 Cent	30/7/2015	29/7/2016	4000 MT	16000
86	T.Mohandas ,thalthamvalli house,NIIT PO.	59/2015-16/Gr/Dom/m1736/15 dtd 3/7/2015	Granite Buliding Stone Products	25Pt	wandoor	Nilambur	Malappuram	16.9 Ares	07-03-2015	07-02-2016	10000MT	40000
87	Ahammedkutty,Allungal house ,Kannamangalam,	60/2015-16/Gr/Dom/m1280/15 dtd 3/7/2015	Granite Buliding Stone Products	51/2	Kannamangalam	Thirurangadi	Malappuram	25 Cent	07-03-2015	07-02-2016	8500MT	34000
88	Muhammed Shafeeq Kuruniyan House Mattathur, Othukkungal	61/2015-16/Gr/Dom/m1671/15 dtd 8/7/2015	Granite Buliding Stone Products	Q13-2035	Melmuri	Ernad	Malappuram	4.56 Ares	07-08-2015	07-07-2016	2000MT	8000
89	Asif Delicious ,silmi house,Edavanna po	62/2015-16/Gr/Dom/m1787/15 dtd 10/7/2015	Granite Buliding Stone Products	326/1,2BI.73	Edavanna	Ernad	Malappuram	1.95 Acre	07-10-2015	07-09-2016	12000 MT	48000

90	TP. Saithalavi,s/o, Aboobacker, Tharammal parambil house, Thanaloor	63/2015-16/Gr/Dom/m1793/15 dtd 20/7/2015	Granite Buliding Stone Products	208	Kattiparuthi,	Tirur	Malappuram	2 Acre	20/7/2015	19/7/2016	5000MT	20000
91	TP. Abdul shookur,s/o Aboobacker, tharammal parambil house, Thanalur,	64/2015-16/Gr/Dom/m1952/15 dtd 12/8/2015	Granite Buliding Stone Products	160	valavannur	Tirur	Malappuram	20.69 Ares	20/7/2015	19/7/2016	5000MT	20000
92	MA. Joseph,s/o Antony, Maladath house, Kundur PO, Thrissur	65/2015-16/Gr/Dom/m1573/1 dtd 21/8/2015	Granite Buliding Stone Products	B.87.113/1	Kodur	perinthalmanna	Malappuram	15 Cent	08-12-2015	08-11-2016	6000MT	24000
93	Kunheedukutti,s/o Veerankutti, chirakkal house, vadakkumbraam po	66/2015-16/Gr/Dom/m1573/15 dtd 21/8/2015	Granite Buliding Stone Products	297/5,2	Kattiparuthi,		Malappuram	24 Cent	21/8/2015	20/8/2016	6000MT	24000
94	Kunheedukutti,s/o Veerankutti, chirakkal house, vadakkumbraam po	67/2015-16/Gr/Dom/m2001/15 dtd 21/8/2015	Granite Buliding Stone Products	138/2	Kattiparuthi,	Tirur	Malappuram	29 Cents	21/8/2015	20/8/2016	2000MT	8000
95	Managing partner, K M .Koyamu, chirayil Granites Industries ,chirayil po. Kondotty.	68/2015-16/Gr/Dom/M - 2047/15 dtd 01/9/2015	Granite Buliding Stone Products	184/1	Nediyirippu	Kondotty	Malappuram	1 Acre	09-01-2015	30/8/2016	12000MT	48000
96	Sajeer Moyin, Parasseril House, Kumaranallur.P.O.,	69/2015-16/Gr/Dom/M - 2137/15 dtd 01/9/2015	Granite Buliding Stone Products	273/3	Thiruvalli	Nilambur	Malappuram	30 Cents	14/9/2015	13/9/2016	3000 MT	12000
97	Abdurahiman, Paramban House, Munduparamb.	70/2015-16/Gr/Dom/M - 2212/15 dtd 28/9/2015	Granite Buliding Stone Products	Q 07-1561	Melmuri	Ernad	Malappuram	22 cents	28/9/2015	27/9/2016	4000 MT	16000
98	K.P. Ibrahim, KangattuPuthenveettil House, Vadakkangara.	71/2015-16/Gr/Dom/M - 2346/15 dtd 9/10/2015	Granite Buliding Stone Products	Q14-2002	Melmuri	Ernad	Malappuram	7.03 Ares	10-09-2015	8.10.2016	3000 MT	12000
99	KannanKulavan Kunhimuhammad, Kannankulavan House, Puliyyakkod.P.O.	72/2015-16/Gr/Dom/M - 2409/15 dtd 16/10/2015	Laterite	28/3	Kuzhimanna	Kondotty	Malappuram	06.57 Ares	16/10/2015	15/10/2016	15000 MT	60000

100	M.P.Sivasankaran S/o Navu, Mampatta Palliyali House, Kadannamma.	73/2015-16/Gr/Dom/M - 2411/15 dtd 16/10/2015	Granite Building Stone Products	97/2 B	Mankada	perinthalmanna	Malappuram	25 Cents	16/10/2015	15/10/2016	3000 MT	12000
101	Subair.T.P. Thalikaparambil House, Kuttipuram.P.O.	74/2015-16/Gr/Dom/M - 2072/15 dtd 16/10/2015	Granite Building Stone Products	352/2	Naduvattam	Tirur	Malappuram	10 cents	16/10/2015	15/10/2016	4000 MT	16000
102	Ali Bava, Kizhakke Parambil House, Kuttippuram.	75/2015-16/Gr/Dom/M - 2369/15 dtd 16/10/2015	Granite Building Stone Products	363	Naduvattam	Tirur	Malappuram	10 cents	16/10/2015	15/10/2016	4000 MT	16000
103	Managing partner , Blue Stone Crusher, Oorakam Melmuri.	76/2015-16/Gr/Dom/M - 2369/15 dtd 16/10/2015	Granite Building Stone Products	300/2	Oorakam	Thirurangadi	Malappuram	20 cents	26/10/2015	25/10/2016	10000 MT	40000
104	V.Ibrahim Haji, Vazhathodi House, Cherukara.P.O.	77/2015-16/Gr/Dom/M - 2508/15 dtd 2/11/2015	Granite Building Stone Products	7/7	Elamkulam	perinthalmanna	Malappuram	25 cents	11-02-2015	11-01-2016	5000 MT	20000
105	Shihabuddin S/o Muhammed kutti, Puzhakkal House, Ponnundam.	78/2015-16/Gr/Dom/M - 2603/15 dtd 6/11/2015	Granite Building Stone Products	289/18	Ponnundam	Tirur	Malappuram	8.24 cents	11-06-2015	11-05-2016	2000 MT	8000
106	P.E.Aboobacker Haji, PEBS Stone Crusher, Vaiyaparam, Mambiram.	79/2015-16/Gr/Dom/M - 2595/15 dtd 6/11/2015	Granite Building Stone Products	35/1 A	A.R.Nagar	Thirurangadi	Malappuram	1 Acre	11-06-2015	11-05-2016	6000 MT	24000
107	P.K.Jaleel, Best Villa, Master Avenue Road, Thrissur.	80/2015-16/Gr/Dom/M - 2559/15 dtd 11/11/2015	Granite Building Stone Products	310/6	Thrikkandiyoor	Tirur	Malappuram	36 cents	11-11-2015	11-10-2016	3000 MT	12000
108	P.Muhammadi, Parancheeri Houe, Aravankara, Pookkoothoor.	81/2015-16/Gr/Dom/M - 2559/15 dtd 11/11/2015	Granite Building Stone Products	Bl.56 / 378/pt	Morayur	Kondotty	Malappuram	50 cents	13/11/2015	11-12-2016	5000 MT	20000
109	Saidalavi.Pulikkal House, Nedyiruppu.P.O.	82/2015-16/Gr/Dom/M - 2552/15 dtd 13/11/2015	Granite Building Stone Products	449/4	Kondotty	Kondotty	Malappuram	5 cents	13/11/2015	11-12-2016	3000 MT	12000

110	K.B.Abdurahiman, Mg.Partner, Madeena Granite, Elad.P.O.	83/2015- 16/Gr/Dom/M - 2839/15 dtd 7/12/2015	Granite Buliding Stone Products	1/1	Perinthalmanna	Elamkulam	Malappura m	1 Acre	12-07- 2015	12-06- 2016	3000 MT	12000
111	Shameem.P., Paingeeri House, Kolathur.P.O.	84/2015- 16/Gr/Dom/M - 2958/15 dtd 9/12/2015	Granite Buliding Stone Products	345/8	Perinthalmanna	Moorkkanad	Malappura m	11.75 cents	12-09- 2015	12-08- 2016	2000 MT	8000
112	Abdurahim.K.P.S/o Kunhimarakkar, Kunnath Parambil House, Perumanna.	85/2015- 16/Gr/Dom/M - 3022/15 dtd 11/12/2015	Granite Buliding Stone Products	232/1	Thirurangadi	Edarikkod	Malappura m	10 Cents	12-11- 2015	12-10- 2016	2000 MT	8000
113	Faisal.K.P., Kuppiyan House, Okkal.P.O.	86/2015- 16/Gr/Dom/M - 3021/15 dtd 11/12/2015	Granite Buliding Stone Products	99/7	Kondotty	Cherukavu	Malappura m	20 Cents	12-11- 2015	12-10- 2016	2000 MT	8000
114	Shahul Hameed, Chenath House, Kuttippala.	87/2015- 16/Gr/Dom/M - 2672/15 dtd 11/12/2015	Granite Buliding Stone Products	44/2	Tirur	Perumanna	Malappura m	8.09 Ares	12-11- 2015	12-10- 2016	2000 MT	8000
115	Muhammed Yasin, Kumiyl House, Kannattippadi.	88/2015- 16/Gr/Dom/M - 3224/15 dtd 28/12/2015	Granite Buliding Stone Products	60/1	Thirurangadi	Vengara	Malappura m	30 Cents	28/12/201 5	27/12/201 6	5000 MT	20000
116	Muhammed Faisal, Valiyamanni Granites, Naduvattam.P.O.	89/2015- 16/Gr/Dom/M - 3248/15 dtd 30/12/2015	Granite Buliding Stone Products	155/5 B 2	Tirur	Naduvattam	Malappura m	1 Acre	30/12/201 5	29/12/201 6	2000 MT	8000
117	Nisab P., Thachampatt House, Kolathur.P.O.	90/2015- 16/Gr/Dom/M - 3247/15 dtd 1/1/2016	Granite Buliding Stone Products	34/8	Perinthalmanna	Puzhakattiri	Malappura m	24 cents	01-01- 2016	31/12/201 6	2000 MT	8000
118	Hamsath Ali, Naduvath Kalathil House, Koottilangadi.	91/2015- 16/Gr/Dom/M - 7/16 dtd 6/1/2016	Granite Buliding Stone Products	21/8	Perinthalmanna	Koottilangadi	Malappura m	15.75 Cents	6/1/2016	01-05- 2017	3000 MT	12000
119	Abdul Azeez, Managing Director, Grand Stone Metals Pvt. Ltd; Kannamangalam.	92/2015- 16/Gr/Dom/M - 11/16 dtd 6/1/2016	Granite Buliding Stone Products	21/2	Thirurangadi	Kannamangala m	Malappura m	30 Cents	6/1/2016	01-05- 2017	12000 MT	48000
120	Adnan Mandris, Managing Partner, Vadakkumbam Granite Crusher, Karekkad.	93/2015- 16/Gr/Dom/M - 110/16 dtd 15/1/2016	Granite Buliding Stone Products	362/4, 363	Tirur	Melmuri	Malappura m	1.68 Hectares	15/1/2016	14/1/2017	5000 MT	20000

Table 2g: List of short-term quarrying permits granted for ordinary clay

Sl no	Concession holder's name and address	Concession no.	Mineral	Survey no	Village	Thaluk	District	Area(ha)	Valid from	Valid to	Quantity(MT)	Royalty(Rs)
1	Sri. Kunjimarakkal haji ,s/o kutti hassan , namburath house ,valancheri 9446230936	01/2014-15/OC/DOM/M-3223/12 Dtd 19/05/2014	Ordinary Clay	37/2A	Irimbilyam	Tirur	malappuram	10 Cents	19/05/2014	18/06/2014	1600MT	16000/- Ch. 142 Dt 11/08/2014 ST Mji.
2	Sri KV Krishnakumar,Kunnathully house ,Ayyanthole,Trissur 9961541114	02/2014-15/OC/DOM/M-12/2013 Dtd 04/08/2014	Ordinary Clay	86	Pullippadam	Nilambur	malappuram	10 Cents	08-04-2014	30/08/2014	1600 MT	11000/-Ch.97 Dt,24/4/13 .Rs 5000/- .Dt31/07/2014
3	Sri KV Krishnakumar,Kunnathully house ,Ayyanthole,Trissur 9961541114	03/2014-15/OC/DOM/M-12/2013 Dtd 19/09/2014	Ordinary Clay	86	Pullippadam	Nilambur	malappuram	10 Cents		13/10/14	1600 MT	200/17/9/14 ,ch 211 ,16000 /, ch 19dt 19/9/14
4	Sri KV Krishnakumar,Kunnathully house ,Ayyanthole,Trissur 9961541114	04/2014-15/OC/DOM/M-12/2013 Dtd 5/11/2014	Ordinary Clay	86	Pullippadam	Nilambur	malappuram	10 Cents	11-05-2014	23/11/14	800MT	200/ch 2588 dtd 1/11/14, 12800/,dtd 5/11/14 ch ,521
5	Sri KV Krishnakumar,Kunnathully house ,Ayyanthole,Trissur 9961541114	05/2014-15/OC/DOM/M-3223/2012 Dtd 14/3/2014	Ordinary Clay	37/2 A	Irimbilyam	Tirur	malappuram	7 cent	14/11/2014	23/11/14	1050 MT	2//ch.169 dtd.13/11/14 10500/ dtd.14/11/14 ch.212
6	VT Arif,s/o Kunhimoidheen,vennathodika H,po Edavanna	06/2014-15/OC/DOM/M-3370/2013 Dtd 19/01/2015	Ordinary Clay	144/3	Edavanna	Ernad	malappuram	10 Cents	19/01/2015	16/02/2015	1600 MT	16000/ chalan no .124 dtd 19/01/2015,48000 chalan no .230 dtd 5/01/2015

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## **Geology of Kerala**

### **Physiography**

Physiographically the state can be divided into four domains from east to west, viz., the Western Ghats, the foothills, the midland and the coastal low- land.

### **Western Ghats**

The hill ranges of the Western Ghats rise to an altitude of over 2500m above the MSL and the crest of the ranges marks the inter-state boundary in most of the places. A breach in the continuity of the ranges marks the Palghat Gap with a sinistral shift of 50 km between the shifted crests. The Wynad plateau and the Munnar (10°57'00": 77°31'00") upland fall within this zone.

### **Foothills**

The foothills of the Western Ghats comprise the rocky area from 200 to 600m.above MSL. It is a transitional zone between the high -ranges and midland.

### **Midland region**

This forms an area of gently undulating topography with hillocks and mounds. Laterite capping is commonly noticeable on the top of these hillocks. The low, flat-topped hillocks forming the laterite plateau range in altitude from 30-200m and are observed between coastal low-land and the foothills.

### **Coastal low- land**

Coastal low-land is identified with alluvial plains, sandy stretches, abraded platforms, beach ridges, raised beaches, lagoons and estuaries. The low- land and the plains are generally less than 10m above MSL.

### **Rivers**

Kerala is drained by 44 rivers, many of which originate from the Western Ghats. Except Kabini, Bhavani and Pambar which are east - flowing, the rest of rivers are west- flowing and join the Arabian Sea. A few of them drain into the backwaters. Most important rivers (with their length in km in paranthesis) of the state, are Chandragiri(105), Valapatnam (110), Achankovil (120) Kallada (121), Muvattupuzha (121), Chalakudy (130), Kadalundi(130), Chaliyar (169), Pampa (176),Bharathapuzha (209) and Periyar (244).

### **Geology**

Geologically, Kerala is occupied by Precambrian crystallines, acid to ultra basic intrusives of Archaean to Proterozoic age, Tertiary (Mio-Pliocene) sedimentary rocks and Quaternary sediments of fluvial and marine origin (Fig.I). Both the crystallines and the Tertiary sediments have been extensively lateritised.

Based on the detailed studies by GSI during the last three decades, the following stratigraphic sequence has been suggested.

	Quaternary (Q)	Pebble bed Kadappuram Formation (marine) Periyar Formation (fluvial) Viyam Formation (fluvio-marine) Guruvayur Formation (Palaeo-marine) Laterite
	Mio-Pliocene (N 12) (Tertiary Tt)	Warkalli Formation (Sandstone and clay with lignite intercalations) Quilon Formation (Fossiliferous limestone and calcareous marl).
	Mesozoic (61-144Ma.)	Gabbro / Dolerite dykes
P	Younger granites (550-390Ma)	Alkali granites, granite, Granophyres and other acid intrusives
R		
O	Charnockites (younger) (550Ma)	Massive charnockite, incipient charnockite, Cordierite charnockite
T		
E	Ultrabasic/basics (Younger) (700-600Ma)	Perinthatta anorthosite, Kartikulam gabbro, Adakkathodu gabbro, Begur diorite
R		
O	Basic Intrusives (2100-1600Ma)	Agali- Anakkatti dykes
Z		
O	Migmatite/gneiss/older granitoid (PGC II) (Ptm) (2500-2200Ma)	Gamet-biotite - gneiss with associated migmatites, quartzo-felspathic gneiss, hornblende gneiss, hornblende-biotite gneiss, quartz-mica gneiss
I	Vengad (APtv) Group	Quartz-mica schist and quartzite, conglomerate
C		
A	Charnockite (older) (Ac) 2600Ma	Mafic granulite, pyroxene granulite, Banded magnetite quartzite and gneissic charnockite
R		
C	Khondalite Group (Ak)	Quartzite, mafic granulite, calc-granulite gamet- biotite-sillimanite-cordierite gneiss, gamet-biotite- gneiss, leptynite
H	Peninsular Gneissic Complex (PGC I) (Ap) (3000Ma)	Foliated granite, hornblende gneiss, pink granite gneiss, biotite gneiss
A	Layerd ultrabasic - basic Complex (3100- 3000Ma)	Peridotite, dunite, pyroxenite, anorthosite
E		
A	Wynad Schist Complex (Aw) (3200Ma)	Talc-tremolite schist, fuchsite quartzite, amphibolite, calc granulite, quartz sericite schist, kyanite quartzite, gamet - sillimanite gneiss/ schist, magnetite quartzite, kyanite mica schist
N		

Base not recognised

## The Archaeans

Rocks of Archaean Era encompass a wide spectrum of litho-assemblages ranging from khondalite, charnockite, gneiss and meta-sedimentary rocks occupying the Western Ghats including the foothill region. The Khondalite and Charnockite Group are correlated with the Eastern Ghat Supergroup based on the overall similarity in lithology and geochronology.

## Wynad Supracrustals

The meta-sedimentary, and ultramafic rocks occurring in the Wynad District generated keen interest among the GSI geologists in 1970s. The high-grade Wynad supracrustal rocks are correlated with the Sargur Schist Complex of the Karnataka (Nair, *et al*, 1975; Adiga, 1980). The schistose rocks are characterised by intense deformation, medium to high-grade metamorphism, migmatitisation and lack of sedimentary structures. The schist complex consists of meta-ultramafites, schist, meta-pelites, meta-pyroxenite, serpentinite, talc-tremolite rock and amphibolite.

The meta-sedimentaries occur as thin linear bodies within the migmatites. These consist of pelites, psammopelites and quartzites. The predominant rock types are corundum- mica schist, kyanite schist, quartz- mica schist and iron stone.(Anil Kumar *et al*,1993).

These rocks occur as narrow arcuate belts, lenses, and other forms of enclaves within Peninsular gneisses and charnockite. The group can be divided into medium-to low- grade metasedimentary rocks and meta-mafic and meta-ultramafic rocks. The lithology of the high-grade schists consist of quartz-mica schist with kyanite, quartz-sericite schists, quartzites, magnetite quartzite, fuchsite quartzite and meta-ultramafites. Their contact with the surrounding gneisses are concordant due to later co-folding. Several linear belts of such high-grade schists and ultramafite enclaves occur as isolated bands within the granulite and gneissic terrain of Kasaragod and Kannur districts.

## Layered ultrabasic- basic complex

Remnants of layered basic- ultrabasic complex are reported from Attappadi area(Nambiar 1982).The ultramafics are represented by meta-pyroxenite, meta-dolerite, peridotite with chromite and meta-gabbro (Lahiri *et al*, 1975). The anorthosite of Attappadi is only a few metre thick. Occurrences are around Narsimukku, Pudur and Melmulli areas. An east-west trending narrow lenticular body of serpentinitised dunite is reported from Punalur mica mine belt.

A minor body (200 m long and 10-15m wide) of anorthosite was reported within pyroxene-granulite-charnockite terrain from Katanjari *parambu* of Kasargod district (Adiga, 1979).

Another dismembered layered igneous complex consisting of alternate layers of peridotite and pyroxenite within charnockite was traced around Panathadi area of Kannur District (Adiga, 1980).

### **Peninsular Gneissic Complex- I (PGC-I)**

The rocks of Peninsular Gneissic Complex (PGC) are exposed in the northern parts of Kerala adjoining Karnataka . This consists of a heterogeneous mixture of granitoid materials. The equivalent rocks of PGC in Kerala include hornblende-biotite gneiss (sheared), biotite-hornblende gneiss, foliated granite and pink granite gneiss. Granite gneiss is exposed along the intra-State boundary of Palakkad District as well as in Idukki District. Pink granite gneiss, though widespread, is best developed in Devikolam (10°04'00": 77°06'30"), and Udumbanchola (10°00'00":77°15'00") areas of Idukki District.

This consists of gneisses showing preponderance of either hornblende or biotite. The percentage of hornblende and biotite varies from place to place. This can be traced from Manantoddy to further northwest upto the west coast. West of Manantoddy, the rock is hornblende gneiss. It shows coarse granulitic to gneissic texture and is composed of hornblende, feldspar, quartz, pyroxene, biotite and garnet. Alkali feldspar shows alteration to clay and sericite. Biotite is mainly secondary after hornblende.

Around Mahe and Thalasseri, the biotite gneiss(Nair *et al.*, 1974) is medium-grained and gneissose rock consisting of alternate layers of mafics and felsics.

### **Khondalite Group**

The Khondalite Group of rocks include calc-granulites, quartzite and para-gneisses of pelitic parentage. Para-gneisses are ubiquitous and are well-developed in the southern part of the state, particularly, in Thiruvananthapuram and Kollam districts. Calc-granulite and quartzite occur as bands within the para-gneisses and amidst the Charnockite Group and migmatitic gneisses.

#### ***Calc-granulite***

Calc-granulite occurs as linear bands mainly in the eastern part of Kollam and Thiruvananthapuram District, northeast and east of Munnar in Idukki district and in parts of Palakkad District. The rock is generally medium to coarse-grained, inequigranular and granoblastic in texture. It consists of diopside and plagioclase. Minerals like wollastonite, scapolite, calcite, garnet, spinel, sphene, quartz and apatite are also present in different proportions.

***Quartzite***

Quartzite occurs as linear bands amidst the khondalitic gneiss, charnockite and migmatitic gneisses. These bands are exposed between Pathanamthitta (9°15'45": 76°47'00"), and Muvattupuzha (9°59'00": 76°35'00") in Ernakulam District. The rock is coarse-grained and generally white in color with a brownish coating on the weathered surface. It consists of granular quartz with subordinate feldspar, garnet and iron oxide.

***Garnetiferous biotite-sillimanite gneiss***

Garnetiferous biotite- sillimanite gneiss is well-developed in the southern part of the state. It occurs in close association with the migmatitic gneisses, charnockite and charnockite gneisses, mostly as weathered outcrops. Sillimanite- rich bands occur alternating with garnet - rich portions or with quartzo-feldspathic layers. Rutile and iron oxides are the common accessory minerals.

**Charnockite Group**

Charnockite Group shows great diversity in lithology comprising pyroxene granulite, hornblende pyroxenite, magnetite quartzite, charnockite and hypersthene-diopside gneisses and cordierite gneiss. Charnockite and charnockitic gneiss have preponderance over all other crystalline rocks covering 40 -50% of the total area of the State. The charnockites are well-exposed in the central and northern parts of Kerala including the high-hills of the Western Ghats. Charnockite has lesser predominance in Thiruvananthapuram and Kollam districts. In Attappady, the Bhavani Shear Zone is limited by the charnockite massif of the Nilgiri plateau on the north. Though the interrelationship of the Charnockite and the Khondalite is not clear, in many places there are intercalations rather than interlayering of one with the other. In Palakkad District, the Khondalite Group of rocks structurally overlie the charnockite. The occurrence of pyroxene granulite as fine and linear bodies within the charnockite of Tirur, suggests that charnockite is a product of migmatization of pyroxene granulite (Vidyadharan and Sukumaran, 1978). Charnockite and charnockitic gneiss consist of quartz, feldspar and biotite. Garnet-bearing variants are also observed. The basic charnockite is more granulitic and contains clino- and ortho- pyroxenes, feldspar, biotite and garnet whereas the acid variety (alaskite/ enderbite) is greenish black, coarse-grained, massive to poorly foliated rock consisting of quartz, feldspar and pyroxenes. Basic charnockite has low- potash feldspar and more clinopyroxene. This is devoid of garnet and graphite, but shows a little amount of biotite (Chacko, 1922). Due to the polygenetic nature of the rock, geochemical and

mineralogical variations do exist between charnockites reported from Kerala. In the Periyar valley region, in Idukki and Kottayam districts, pyroxenite and alaskite constitute the Charnockite Group (Nair, and Selvan, 1976).

The available age data indicate that the massive charnockites are older and their ages range between 2155 and  $2930 \pm 50$  Ma (Soman, 1997).

Also charnockite has been subjected to retrogression and migmatization.

### **Archaean to Palaeo-Proterozoic**

#### **Vengad Group**

A succession of schistose rocks in parts of Tellicherry taluk in Kannur district is described as Vengad Group of rocks (Nair, 1976). The Vengad Group comprises of basal conglomerate, quartzite and quartz-mica schist. The contacts are highly gradational. The conglomerate shows graded bedding and quartzite shows current-bedding.

An angular unconformity marked by conglomerate horizon extending from Kuthuparamba ( $11^{\circ}49'30''$ :  $75^{\circ}34'00''$ ) to Vengad ( $11^{\circ}53'30''$ :  $75^{\circ}32'00''$ ) in Kannur district, separates the younger quartz-mica schist and quartzite from the older schistose and gneissic rocks. The lithology consists of basal oligomictic conglomerate, quartzite, quartz-biotite-muscovite schist and biotite quartzite. The schists are exposed over an area of 300 sq km having a lensoidal shape with its longer axis trending in NW-SE direction. The basement rock is gneissic or migmatitic with relicts of high-grade schists, ultramafites and quartzites of the Wynad Schist Complex. Four major occurrences of conglomerate are noticed in a NW-SE direction over a length of 10 km.

Lack of migmatization, presence of primary structures and low-grade metamorphic minerals characterize these rocks.

#### **Migmatite\ Gneiss\ Granitoid (PGC-II)**

##### **Quartzo-feldspathic gneiss**

Migmatite includes variety of gneissic rocks which are next in importance to charnockite as a dominant litho-assembly. Quartzo-feldspathic gneiss occurring along the contact zone between garnet-biotite gneiss and garnet-sillimanite gneiss of Thiruvananthapuram area represents an original intrusive phase. It is a feebly foliated, fine-grained, leucocratic granulitic

rock occurring in close association with garnet-sillimanite gneiss and garnet-biotite gneiss with gradational contact relationship in the southern parts of Kerala. The origin of this rock is attributed to stress-induced injection of acid materials into the host rocks (Nageswara Rao and Raju, 1970).

### **Garnet- biotite gneiss**

Garnet-biotite gneiss is well-developed in the northeastern parts of Kollam and Thiruvananthapuram districts. This carries inclusions of pyroxene granulite and disseminations of graphite at many places (Jacob, 1965). It consists of quartz, microperthite, biotite, plagioclase and graphite. This rock also occurs in the northern parts of Palakkad District in close association with khondalite, charnockite and hornblende gneiss. These rocks are subsequently formed by retrogression and migmatization of the Khondalite Group.

East of Kottayam and Idukki districts, light grey, pink garnet-bearing biotite gneiss is widely seen. It is a gneissic granulite. The presence of biotite and concentration of garnet in layers give the rock a banded appearance. (GSI, 1995).

### **Hornblende gneiss, hornblende-biotite gneiss, quartz- mica gneiss**

These rock types occur within the migmatites and associated retrograded charnockite. The naming is purely based on the preponderance of the minerals and these rocks occur in the Periyar valley area east of Thodupuzha. (Nair and Selvan, 1976). These medium-grained, foliated, banded rocks consist of alternate layers rich in hornblende or biotite. Bands of coarse to medium-grained light grey to pink granite traverse these rocks. Hornblende- biotite gneiss showing lit par lit relationship with the granite gneisses is the dominant rock type in the Periyar valley. This is admixed with contorted bands and enclaves of pyroxene granulite, calc-granulite and hornblende- biotite granulite. These are highly deformed.

In the Palakkad gap area, these gneisses occur over a large area, showing migmatitic structures such as agmatites, nebulites, schlierens, ptygmatic folds, quartzo-feldspathic neosomes and ferromagnesian palaeosomes. (Muraleedharan and Raman, 1989).

### **Proterozoic**

#### **Basic intrusives**

Basic dyke emplacements within the Archaean crystalline rocks of Kerala are spread throughout the entire length and breadth of the state. Of these, dolerite dyke occurring north of the Palakkad gap had given Proterozoic age whereas in the south this dyke is of Phanerozoic

age. The older basic dykes are metamorphosed along with the country rocks and are now recognised as epidiorite and amphibolite. Another set of dykes, apparently post-dating the regional metamorphic event are subjected to thermal metamorphism. Clouding and sericitisation of feldspars and uralitisation of pyroxenes are common in such dykes. In the absence of chronological data such dykes are considered to be of Proterozoic age. Most of the dykes are vertical in disposition and are traced as linear features. *En-echelon* pattern of some dyke swarms suggests that magmatic intrusion was controlled by shearing of the host rock., Mineralogically, the dykes are made up mostly of plagioclase feldspar and pyroxene(augite and aegirine-augite) with magnetite, apatite and olivine as accessories. The ENE-WSW dolerite dyke swarm of Agali- Anakkati area in Palakkad District within the Bhavani Shear zone showed in isotopic age from 1900 to 2000 Ma (Radhakrishna and Mathew Joseph, 1993). The rock is highly jointed and altered (Jacob, 1965). Similar basic intrusive bodies are traced in the Achankovil shear zone in Vazhamuttam (9°14'00":76°46'40"), Kulasekhara pettah (9°16'00":76°47'45") (Thomas Mathai *et al*, 1984). Sheet-like bodies of fine to medium-grained, dark coloured meta-gabbro occurs in Periyamuli (11°13'00"; 76°43'00") for about 20 km in ENE-WSW direction, Karuvarai (11°04'00"; 76°32'30") and few gabbro bodies south of Thuvapattu (11°06'30"; 76°44'45") in Attapady valley, Palakkad district. Meta-gabbro forms small hillocks east of Payyanam (10°31'00"; 76°21'00"), southwest of Kainur (10°36'00"; 76°09'00") and Chemmannur (10°41'00"; 76°01'00"), Vaga (10°35'00"; 76°06'00") and Arthat (10°37'00"; 76°03'00") in Trichur District (Mahadevan, 1962).

Dykes in north Kerala show , NW-SE, NE-SW and NNW-SSE trends. Host rocks are charnockite, gneisses and supracrustals(Radhakrishna *et al* 1991). Dykes are mainly dolerite but occasional meta-gabbro or meta-norite are also traced. In Agali- Anaikatti area of the Attapadi- Bhavani shear zone, dykes are confined within a 20-25km wide zone and extend from west of Agali to eastward for about 100km following a ENE-WSW direction.(Radhakrishna, *et al*, 1999).

The rock consists of 95% calcic plagioclase, 5% clinopyroxenes and subordinate amounts of magnetite. There are a number of concordant and discordant basic intrusive of dolerite and gabbro,meta-gabbro, meta-norite, meta-pyroxenite and anorthositic gabbro. These are not mappable and are seen in Pappinpra (11°06'20", 76°05'56") Velli(11°04'00":76°07'45"),

Kalpetta (11°04'12":76°05'32). An extensive basic diorite has been mapped over an area of 25 sq km at Panavalli (11°53'30", 76° 2'30"; Nair, *et al* 1976).

The rock is composed predominantly of calcic plagioclase (95%) rest clinopyroxene with subordinate amount of magnetite. Another relatively small body of anorthosite is around Kalivalli (11°51'30"; 76°12'30") in south Wynad taluk, Wynad District.

### **Ultrabasic/ basic intrusive (younger)**

#### **Perinthatta Anorthosite**

A major elliptical body of anorthosite spread over an area of more than 50 sq.km is reported from Perinthatta (12°10'00":75°17'30"; Vidyadharan *et al*, 1977). The anorthosite is with a very irregular border and a tongue-like projection into the country rock of charnockite and pyroxene granulite of Kannur District. The anorthosite is coarse to very coarse-grained, and shows variations from pure anorthosite to gabbroic anorthosite and gabbro from the centre to the periphery suggestive of zoning. The modal composition corresponds to nearly 95% plagioclase (An<sub>58-72</sub>) and <10% clinopyroxene, apatite, calcite and magnetite. The gabbroic variants have more of mafics.

The structural configuration suggests that the anorthosite was emplaced in synformal structure as a phacolith. The flow-banding in anorthosite indicates its syntectonic emplacement. The Perinthatta anorthosite is assigned a Proterozoic age.

#### **Ezhimala gabbro-granophyre complex**

The major high-relief feature proximal to the Perinthatta anorthosite is constituted by the gabbro-granophyre Complex (Nair and Vidyadharan, 1982). The granophyre massif is fringed by the gabbro to the east and south. The Bavali fault running north of the complex is presumed to have dismembered the body from the Perinthatta anorthosite. Locally, the gabbro has anorthositic differentiates within it. Veins of granophyre traverse the gabbro at places give rise to breccia-like structures. The granophyre shows a sharp contact with the gabbro into which it intrudes. Rapakivi structure is observed within the granophyre. According to Nair and Vidyadharan (1982) rocks of Ezhimala complex display bimodal character with conspicuous basic and silicic components.

#### **Kartikulam and Karraug Gabbro**

Two gabbro bodies namely Kartikulam gabbro and Karraug gabbro are located northeast of Manantoddy bordering the Karnataka (Nair *et al*, 1975). The gabbro body at Kartikulam

occupies an area of about 45 sq.km. with an elliptical shape within the gneissic terrain. The actual contact with the gneiss is concealed but it is believed to be sharp. At many places, the gabbro is agmatized by coarse quartzo-feldspathic material.

The gabbro is coarse-grained and of uneven texture consisting essentially of plagioclase and pyroxene. Variation to anorthositic composition is noticed. The plagioclase is of labrodorite composition and shows alteration to sericite at places (Rema Warriar and Venkataraman, 1986). The pyroxenes are uraltized to varying degrees.

The Karraug gabbro body is located east of it and south of the Kabini River. It shows similar features as that of the Kartikulam gabbro. The rock shows phenocrysts of feldspar set in a fine matrix of flaky minerals.

### **Adakkathodu gabbro**

At Adakkathodu (12°31'35"; 75°10'25"), northwest of Manantoddy, a 8 km long meta-gabbro, is intrusive into the basement gneisses on three sides and the Wynad schists in the east. It occurs proximal to the Bavali fault/lineament. It encloses, patches of quartz-sericite schists and biotite gneiss. (Nair *et al*, 1975). The rock is mesocratic to melanocratic, medium to coarse grained consisting mainly of pyroxene and plagioclase. The rock shows sub-ophitic texture and consists of enstatite and intermediate plagioclase of andesine-labrodorite composition (Nair *et al*, 1976). While the gabbro bodies of Kartikulam and Karraug to the east are olivine-bearing, the Adakkathodu gabbro is enstatite-bearing. Olivine, augite and zoned feldspars are recorded from the eastern body while the western body is enstatite-bearing, without the zoning in feldspar.

### **Begur diorite**

An extensive basic diorite body (25 sq.km.) has been traced north of Manantoddy in the Begur Reserve Forest (Nair, *et al*, 1976). It extends from Thirunelli to the Karnataka State border. The southern contact is with augen gneisses indicating emplacement along shear zones while the northern one with sillimanite gneisses. Aplite and dolerite veins are seen traversing the rock mostly parallel to the regional foliation. The rock is mesocratic to melanocratic, coarse-grained and consists of pink to grey feldspar, hornblende and biotite.

The rock is feebly gneissic and at places porphyritic (Rema Warriar and Venkataramana, 1986). The phenocrysts are mostly plagioclase. Mafics at times swerve round the phenocrysts

giving rise to augen structure. Hornblende is altered to biotite and chlorite. Accessories include epidote, apatite, zoisite and opaques.

The diorite shows tholeiitic characteristics. The diorite is considered as a transitional rock from the gabbro with which it is spatially associated in the nearby area with the plagioclase become more sodic.

### **Charnockites [younger]**

The area south of Palakkad exposes charnockite over large areas. The charnockites are represented by acid micropertthitic charnockite and intermediate gneissic charnockite occurring in association with garnetiferous biotite gneiss and khondalite (Narayanaswamy and Purna Lakshmi, 1967). Massive charnockites are developed on a regional scale and occur as mappable litho-units (Raju and Gopalakrishnan, 1972), around Nedumangad. The massive charnockites in majority of the cases are acid and intermediate in composition. The rock is medium to coarse-grained and shows xenoblastic texture. It is composed of quartz, feldspar, pyroxenes, garnet and graphite with accessories like biotite, zircon, apatite and monazite.

Small patches, lenses or veins of charnockite occur in the gneisses of amphibolite facies in the Thiruvananthapuram area (Nageswara Rao and Raju, 1970). Here, the incipient charnockites are thought to have formed by transformation of paragneisses. (Hansen *et al*, 1987; Santosh *et al*, 1990). A few dominant varieties of incipient charnockites have been categorized by Ravindra Kumar and Chacko (1986) on the basis of their mode of occurrence, association and chemical processes involved in their development. At Kottavattom, north of Thiruvananthapuram, the charnockite consisting of quartz, K-feldspar, plagioclase, biotite, garnet and orthopyroxene as essential minerals and graphite, zircon, ilmenite, monazite, apatite, rutile and magnetite as accessory minerals are products of transformation of gneisses into coarse-grained charnockites along a system of conjugate fractures and foliation planes. (Saritha and Santosh, 1996).

### **Cordierite or Charnockite Gneiss**

Cordierite bearing large linear zones of charnockites were reported around Pathanamthitta (Nageswara Rao and Jacob, 1967) area. Cordierite charnockites or orthopyroxene-garnet-cordierite bearing gneisses (Sinha Roy *et al*, 1984; Santosh, 1987) occur as discontinuous bodies in the northern parts of Thiruvananthapuram and in selected stretches further south around Koliakode. The rock is composed of cordierite, orthopyroxene, plagioclase, K-feldspar, spinel and quartz and a little garnet and biotite.

The growth of cordierite and orthopyroxene took place concomitantly during the conversion of gneisses to charnockites. At Nellikala in Pathanamthitta, the cordierite occurs as anhedral grains of variable sizes in the charnockites (Nandakumar, 1996).

### **Younger granites**

The granites and its variants occur around Chengannur in Alappuzha and Pathanamthitta districts, Munnar in Idukki District, Peralimala in Kannur district and Kalpetta and Ambalavayal in Wynad District. Many of these granites occur as later emplacements along crustal fractures and faults. The Achenkovil – Tamraparni tectonic zone, the Attapadi shear zone, Bavali shear zone and the Moyar shear zone are all marked by granitic emplacements

### **Ambalavayal granite**

The Ambalavayal (11°37'15"; 76 °03'30") granite having an oval shape covers an area of 50 sq.km. The granite is light pink in color and is composed of quartz, pink feldspar, hornblende and biotite. The pegmatites traversing the granite show occasional flakes of molybdenite. The Amabalavayal granite occurring in the proximity of the Bavali lineament is thought to be emplaced during its reactivation. The granite is intrusive into the hornblende-biotite gneiss (migmatite) and the Wynad Supracrustals (Anilkumar *et al*, 1993). Four types of granites are recorded, viz. foliated granite, pink granite, grey granite and aplitic granite.

The foliated granite consists of quartz, microcline, orthoclase, plagioclase, biotite, hornblende, chlorite, calcite and zircon. The pink granite is a medium-grained consisting of quartz, microcline, plagioclase, sericite, chlorite, apatite, rutile, zircon and biotite. The grey granite is a medium-to fine-grained rock consisting of quartz, microcline, sericite, biotite, chlorite and calcite. The aplitic granite is a very fine-grained massive rock consisting of quartz, microcline, orthoclase, plagioclase, sericite, biotite, calcite, chlorite, apatite and opaques.

K-Ar age of Ambalavayal granite (560± 30 Ma, Nair, *et al*,1985) is lower than Rb-Sr age (595 ± 20 m.a Santhosh *et al*, 1986), but is higher than that of U-Pb-age(505±20ma, Odom,1982). The reason for this variation in the date may be attributed to the different techniques adopted and also to the presence of biotite of multiple generation.

### **Munnar granite**

The Munnar (10°05'00";77°05'00") granite with an areal extent of 50 sq km is an E-W trending irregular body emplaced within the migmatite and apophyses extend into the surrounding gneisses. The granite dated to be 740 ± 30 m.y (Odom, 1982) is traversed by pegmatite, aplite

and quartz veins. Three types of granite are recorded. Foliated granite, Coarse pink granite and medium grey granite. The foliated granite consists of stringers and streaks of mafics consisting of biotite, hornblende, chlorite and magnetite alternating with felsics consisting of quartz and potash feldspar. Potash feldspar is predominantly orthoclase. The closely spaced foliations are persistent but discontinuous. This granite forms a domal structure south of Munnar. It has a sharp contact with the migmatite. Coarse pink granite consists of pink feldspar, quartz and a little amount of mafics. Mafics are biotite, sphene and hornblende. Medium grained grey granite, consists of quartz, feldspar, biotite, chlorite, zircon, sphene, epidote, calcite and sericite.

Major element data of Munnar granites do not show any significant variation amongst the three granites. Content of iron is more in medium grey granite and foliated granite. Different variation diagrams reveal a slight tendency towards alkali granite. The foliated granite shows more percentage of orthoclase than the other two granites. (Nair and Anil Kumar, 1990)

#### **Ezhimala granophyre – granite complex**

A prominent granophyre body forms the hill known as Ezhimala, covering an area of 20 sq km in Kannur District. The granophyre is associated with gabbro and granite and is traversed by dolerite dykes. Two types of granophyres have been deciphered; coarse-grained leucocratic one and medium-grained one with more mafics. Drusy type, confined to higher elevation contain numerous vug lines with secondary minerals like quartz and calcite. Rocks of Ezhimala Complex display bimodal character with conspicuous basic and silicic components and total lack of rocks of intermediate composition typical of anorogenic suites (Nair and Vidyadharan, 1982). The granophyre is pink to ash grey coloured, massive, fine to coarse-grained, holocrystalline with equigranular texture. The granites are of two types. The major light pink granite with less of mafics show gradational relationships with the more greyish porphyritic variant (Varadan and Venkataraman, 1976).

Granophyre shows a typical granophyric intergrowth of quartz and feldspar forming the ground mass with phenocrysts of potash feldspar and some zoned plagioclase. The groundmass is totally of orthoclase. Augite is the chief ferro-magnesium mineral. Accessories include apatite, sphene, epidote, calcite and magnetite. Texturally the rock shows variation from coarse-grained leucocratic types with less mafics in the southern portion of the hill and medium to coarse grained type towards northern parts.

Minor outcrops of rapakivi granites are recorded within the granophyres of Ezhimala Complex. Anorthosites of Perinthatta and Kadannappally and granite, granophyre of Ezhimala together form the Ezhimala Complex. The light pink granite with less mafics is the major variety showing a gradational relationship with the more greyish porphyritic variety. The porphyritic variety, at places, shows rapakivi structure. The porphyritic granite shows mantled feldspar megacrysts. This variety grades into porphyritic granites without mantled feldspar and at higher levels grades into granophyre. The granite contains 60% of orthoclase feldspar, 5-10% of plagioclase, 20-25% of quartz with 4% of biotite, epidote, magnetite and fluorite. The low initial  $Sr_{87}/Sr_{86}$  ratio indicate that the rocks have a relatively minor amount of older sialic material. The Rb-Sr age of the granophyre is estimated to be 678 m.y (Nair and Vidyadharan, 1982). The Ezhimala Complex lies in close proximity to the Bavali lineament suggesting reactivation along the lineament and intrusion of the body.

### **Kalpatta granite**

The Kalpatta ((11°36'15";76°05'15")) granite is an oval- shaped intrusive into the Wynad schist and covers an area of 44 sq km (Rao and Varadan, 1967). The rock is grey coloured, medium-grained, homogenous biotite granite and has sharp contact with the country rock. A feeble foliation is imparted to the granite at places by biotite flakes. Xenoliths of amphibolite / hornblende gneiss are visible near the periphery. Irregular veins of pegmatite / aplite traverse the granite and also the enclaves. The K-Ar age of the biotite from the Kalpatta granite is dated as  $512 \pm 30$  m.a (Nair *et al*, 1985) and 527 m.a (GSI). Presence of enclaves and absence of significant replacement textures along with the geochemical characteristics assign a magmatic parentage for the granite. The proximity of the pluton to the Bavali lineament probably suggests intrusion along this fracture.

Three types of granites such as coarse grained biotite-granite, fine grained biotite granite, and porphyritic granite are mapped on the basis of texture, colour and mode of occurrence. Coarse-grained granite is a massive bluish grey rock with large xenoblasts of quartz and feldspars. The accessories include biotite, zircon, apatite and sphene. Blastesis of feldspar and sphene are common. Microcline, orthoclase, and plagioclase are seen as the major feldspar. Plagioclase composition varies from albite to oligoclase. This rock is exposed in Trikkaiappetta (11°35'04":76°08'41":), Manikkunnu (11°35'41":76° 07'09"), Kuttamangalam (11°30'08":76°07'11":) (Anilkumar *et al*, 1993).

Fine biotite-granite is a fine grained massive rock exposed around Muttimala (76°06'38":11°37'06"). It consists of orthoclase, quartz, microcline, biotite, sericite, zircon, sphene, apatite and opaques. Myrmekitic quartz is recorded. Pophyritic granite consists of myrmekitic quartz, microcline, sericite and biotite. Very coarse grained biotite with included crystals of orthoclase, microcline and albite are common. Except for the texture, all the three granites show similar characters (Anilkumar, *et al* 1993). Based on Rb-Sr dating, Kalpatta granite is dated 765 Ma (Odom 1982).

### ***Chengannur granite***

The Chengannur (9°18'45"; 76°31'00") granite in Pathanamthitta District is an oval shaped body with the long axis trending in east-west direction covering an area of 15 sq.km in and around Chengannur. The granite is intrusive into the charnockite gneisses. The body is emplaced close to the Achankovil shear zone. K-Ar date of the hornblende indicates an age of 550 m.a (Soman *et al*, 1983). The Chengannur granite is inferred to be a post kinematic granite of magmatic parentage.

Two types of granites are recorded. One is medium-grained pink granite and the other is coarse-grained grey granite. The former consists of quartz, perthitic feldspar, plagioclase, biotite, hornblende, apatite and zircon. The composition of plagioclase varies from albite to oligoclase. Microcline perthite is also seen. The coarse grained grey granite consists of perthite, plagioclase, hornblende, biotite, quartz with occasional occurrence of hypersthene, apatite and zircon. Hornblende and biotite are less common by occurred minerals than hypersthene. Relicts of hypersthene are also seen. This granite may be a product of granitisation of charnockite. K<sub>2</sub>O content always exceeds that of Na<sub>2</sub>O. The high SiO<sub>2</sub>, high alkali, high Fe/Mg ratio, high values of Gallium indicate that the granite belongs to alkali type. It might have an origin from recycled and rehydrated continental crust. (Nair and Anil Kumar, 1990).

### ***Peralimala granite***

The Peralimala (11°09'19":75°38'46") alkali granite is a linear intrusive body emplaced along the axial trace of a mega fold in EW direction. Peralimala intrusive body occurs as a diatreme of alkali composition with a maximum linear extension of 15 km and a width of 3 km. Based on colour, texture, composition and mode of occurrence four types of granites are identified. These are pink gneissic granite, porphyritic granite, grey granite and pink granite. Pink alkali granite is a coarse-grained rock consisting of microcline, orthoclase, plagioclase, quartz,

hornblende, epidote, aegirine, sphene, calcite, perthite and apatite. Quartz is present in only subordinate amounts. Feldspar content is very high. The preferred orientation of feldspar gives a crude alignment. At Perumpunna, (75°44'00":11°55'28") pink gneissic granite shows preferred orientation of biotite and pyroxene. The porphyritic granite occurs as a lensoidal body containing quartz, feldspar, pyroxene and hornblende. Feldspar forms the phenocrysts in a matrix of quartz-feldspar and mafics. Grey granite is a coarse- to medium- grained rock with microcline, quartz, orthoclase, perthite, hornblende and zoisite. Light grey granite is a medium-grained rock consisting of microcline, orthoclase, plagioclase (albite to oligoclase), epidote, aegirine, hornblende and rutile. The major element chemistry of the granite do not show much variation. The pink granite shows high content of potash. A negative correlation for K<sub>2</sub>O content with respect to SiO<sub>2</sub> is very pronounced for pink granite owing to its alkaline nature. Barium and strontium show very high values for Peralimala granite. ( Anilkumar *et al*,1993).

### **Sholayur granite**

The Sholayur (11°04'15";76°42'00") granite, is exposed around Kuttiyadikal Mala (11°01'52":76°42'00") and Vachchpathi (11°04'15":76°44'00"). It is a homophanous medium-grained, pink coloured granite, consisting of quartz, orthoclase, microcline, oligoclase, perthite, aegirine augite, biotite, hornblende and sphene. In some places, calcite, apatite, sericite are also observed. The schlierens mark the contact zone of the granites with the host rock. This granite is emplaced within the Wynad supracrustals. SiO<sub>2</sub> varies from 58.76 to 73%, Al<sub>2</sub>O<sub>3</sub> 14% to 17%, Na<sub>2</sub>O 1.8% to 2.4% and K<sub>2</sub>O 0.8 to 1.5%. The distribution of SiO<sub>2</sub> is highly non-uniform within the same type of granite. The pink granite is becoming alkali granite at places.(Anil Kumar and Nair,1992).

### **Intermediate intrusives**

The syenite body at Mannapra (10°30'00";76°32'00") is exposed as an elongated NW-SE trending body covering an area of 8 sq km in Thrissur District. The syenite intrusive, makes sharp contact with the charnockite near the charnockite-migmatite contact. The rock is medium to coarse- grained at its peripheries and tends to be coarse-grained towards the centre. Mineralogically, the rock is composed of alkali feldspar, orthopyroxene, clinopyroxene and amphibole with minor amounts of plagioclase, biotite and opaques. A small syenite (Angadimugar syenite) body is located in Kumbala village (12°35'15"; 76°07'00") and about 20 km east of Kumbla in Kasaragod District. The intrusive body has an elliptical outline and covers an area of 5 sq km. The body is intrusive into the Khondalite Group and encloses

enclaves of amphibolite in the peripheral parts. The rock is medium to coarse grained, light grey and massive.

### **Mesozoic intrusives**

#### **Basic intrusives**

Basic intrusives in Kerala, mainly represented by dyke swarms in NNW-SSE to NW-SE trend, cut across all the metamorphic rocks and the earlier structural trends. Their unmetamorphosed nature and stratigraphic relation with the country rocks prompted their correlation to the Deccan Trap volcanism.

The basic dykes have been emplaced into the migmatites and charnockite in NNW-SSE to NW-SE and ENE-WSW directions along distensional and shear fractures respectively. Dolerite dykes of Kerala are mostly quartz tholeiites rarely clinotholeiite. The basic dykes of Pathanamthitta ( $9^{\circ}15'45''$ : $76^{\circ}45'30''$ ) are genetically unrelated types. These dykes have not undergone any internal differentiation during intrusion.

The variation in the chemistry of individual dykes may be due to the cogenetic differential sequence. Dolerite dykes intrude the country rocks at an angle greater than  $80^{\circ}$ . The dolerite dykes of Kuttuparamba ( $11^{\circ}49'30''$ : $75^{\circ}34'00''$ ) in Kannur District shows cross cutting relationship with all the formations. The basic dykes of Vamanapuram ( $8^{\circ}43'00''$ : $76^{\circ}54'00''$ ) are either gabbroic or doleritic intruding the gneissic rocks. These are trending NNE to SSW and NNW to SSE directions and are unmetamorphosed. Mineralogically all these dykes show more or less same composition except the meta-dolerites. Variation in the trace elements like Ti, Zr can be attributed to the differential degree of partial melting of the mantle material. (Nair and Gopala Rao, 1989).

The unmetamorphosed Idamalayar gabbroic dyke with a NNW-SSE trend is traced for over 80 km in the central part of Kerala. The rock is mesocratic, medium-grained, porphyritic and is composed of plagioclase (andesine to labradorite), hornblende and opaques. The reported age of 75 m.y for the Idamalayar dyke (Subramaniam, 1976) links it in time-relationship with Deccan Trap volcanism.

The NNW-SSE trending leucogabbro dykes in central Kerala dated by whole rock K-Ar method gave an age of  $81 \pm 2$  m.y and the NW-SE trending dolerite dyke  $69 \pm 1$  m.y. The dolerite dykes are thought to have represented the feeder system for Deccan Trap volcanic sequences (Radhakrishna *et al*, 1994).

Basic dykes of Pathanamthitta area yielded ages of 99 Ma to 117 Ma and there are dykes which have yielded ages  $104 \pm 5$  Ma,  $127 \pm$  Ma and  $476 \pm$  Ma. These wide variations may be due to a protracted history of emplacement and the effect of Eocambrian to palaeozoic tectonothermal events affecting this region (Sinha Roy and Ramakrishnan, 1983.)

In Thiruvananthapuram District, Anakudi and Nedumannur dolerite dykes are dated by K-Ar method and the whole rock ages are  $104 \pm 5$  Ma and  $127 \pm 2$  Ma respectively (Sinha Roy and Ramakrishnan, 1983).

### **Tertiary Sedimentary rocks**

Mio-Pliocene sedimentary rocks are fairly widespread in the southern coastal belt, their remnants being noticeable in the central and northern coastal areas. These sedimentary rocks consist of a series of variegated clay and sandstones with lenticular seams of lignite, known as Warkalli Formation, underlain by more compact marly sands with shell fragments and thin horizons of limestone (Quilon Formation).

The Tertiary sediments have a gentle dip towards west. The Warkalli Formation extends in a narrow belt from Thiruvananthapuram ( $8^{\circ}28'30''$ :  $76^{\circ}57'20''$ ) to Kasaragod ( $12^{\circ}30'00''$ :  $74^{\circ}59'00''$ ) between coastal and midland regions with intervening promontories of the crystalline rocks. The Quilon Formation is mainly seen at Paravur ( $08^{\circ}48'00''$ :  $76^{\circ}40'00''$ ) Padappakkara ( $08^{\circ}58'30''$ :  $76^{\circ}38'00''$ ) and some other places around Kollam and Alappuzha districts.

### **Quilon Formation**

The Quilon Formation consisting of fossiliferous shell limestone alternating with thick beds of sandy clays and calcareous clays have been reported from Padappakkara (type locality), Nedumgolam, Edavai ( $8^{\circ}45'20''$ :  $76^{\circ}42'00''$ ) and Varkala ( $8^{\circ}44'00''$ :  $76^{\circ}43'00''$ ) and Cherthala ( $9^{\circ}41'00''$ :  $76^{\circ}20'00''$ ) along the west coast of Kerala. The Quilon limestone contains numerous fossils of foraminifera, corals, echinoids and molluscs. The Lower Miocene age for lower stratigraphic horizons and the Upper Miocene age for the topmost beds of the Quilon Formation indicate the lower and upper age limits of these marine sediments. The predominance of black clays, sandstone, bluish grey brackish water shell limestone and nodular limestone clearly indicate deposition in a lagoonal condition.

### **Warkalli Formation**

The Warkalli Formation of Mio-Pliocene age extends all along the Kerala coast. The type section of the Warkalli Formation described by King (1882) is from the sea cliff at Varkala. The exposed section at Varkala cliff is 28-30 m thick consisting of unconsolidated sands of variegated clays, white plastic clays, and carbonaceous sandy clays enclosing impersistent seams and lenses of lignite. The carbonaceous clays and lignite are often impregnated with nodules of marcasite.

Fairly thick beds of carbonaceous clays with lignite seams occur around Nadayara kayal, Tamarakulam (9°08': 76°37'), Puliyur (9°18'00": 76°35'00"), Payangadi (12°00'20": 75°15'40"), Nileswaram (12°15'00": 75°07'00"), Kanhangad (12°17'40': 75°05'00") and in the cliff sections near Cheruvathur (12°13'00": 75°09'50"). The most characteristic feature of the Warkalli Formation is the impersistent nature of the constituent beds, suggestive of shallow basin margin deposits.

### **Laterite**

Kerala is the home of the laterite as it was first named by the Dutch traveller, Buchanan 1807. Laterite is widespread in its distribution in the midland region of Malappuram, Kannur and Kasaragod districts where it forms well-defined mesas. The Archaean crystalline rocks and the Tertiary sedimentary rocks are extensively lateritised. The laterite has wide areal distribution in the State and occurs at all levels upto 2000 m, height though mostly restricted to an altitude of 50-150 m above MSL. in the coastal and midland region. A few bauxitic patches also occur within the laterites. The thickness of laterite cappings varies from a few metres to 50 metre at places. At Chovvara (8°21'30"; 77°01'30") in Thiruvananthapuram District and Chattannur (8°50'30"; 76°46'30") and Kundara (8°57'00": 76°40'30") in Kollam District, a zone of about 2 m thick bauxite is recognised at the contact between the crystallines and the overlying sedimentary rocks. The overlying sedimentary column is also blanketed by laterite of varying thickness. The bauxite at the base of the sedimentaries indicates an earlier pre-Warkalli spell of lateritisation. Further, the erosional features on the top part of the bauxite horizon corroborates the antiquity of the earlier spell of lateritisation (Mallikarjuna and Kapali, 1980).

Generally, the laterite after the crystalline rocks is compact and the top crust moderately indurated. The dark brown crust passes downward to pink and buff coloured soft laterite. Quartz veins, joints and fractures can be traced from the top to the bottom of the laterite profile. The laterite profile over pyroxene granulites, meta-ultramafites and gneisses are characterised by relict foliation that conforms to those of the subjacent rocks which indicate the *insitu* nature

of the laterite. Porous and spongy texture is discernible in laterites, after meta-ultramafites. Laterite after the Tertiary sedimentaries is well indurated at the top for about 2 to 5 m. Downwards, the profile grades into soft laterite with remnants of gritstone and culminates into a zone of variegated clay.

### **Quaternary sediments**

Recent to sub-Recent sediments of coastal sands, sticky black clay with carbonized wood, silty alluvium and lagoonal deposits are observed mostly in the low-lying areas from Kollam (11°27'00": 75°40'30") to Ponnani and between Kannur (11°51'30":75°21'45") and Nileswaram (12°15'30":75°08'16"). Alluvium is observed along the major river valleys. At places, along coastal tracts, there are raised sandy beaches composed of fine grained reddish sandy loam known as "terri" sands. Palaeo-beach ridges alternate with marshy lagoonal clay in the coastal area.

The sandy stretches are widest between Alappuzha (9°30': 76°20') and Kottayam (9°35': 76°31'), upto 25 km inland from the shoreline. The Quaternaries of the coastal plain have been classified into (i) the Guruvayur Formation representing the earlier strandline deposits with an elevation of 5-10 m; (ii) the Viyyam Formation of tidal plain deposits; (iii) Periyar Formation being mainly of fluvial deposits and (iv) the Kadappuram Formation representing the beach deposits (Krishnan Nair, 1989).

A pebble bed is traced in Valapattanam and Taliparamba river banks in Kannur district. It is exposed south of Valapattanam (11°55'30": 75 °21'30"), Kambil maloth (11°58':75 °24'), Morazha (11 °58'30": 75°20'30") and Arathiparamba (12°06'00": 75°15'30"). The size of the pebbles ranges in dimension from 4.5 cm x 3 cm to 7 cm x 3 cm with occasional cobbles of size 13 cm x 12 cm. The base of the pebble bed is generally 20 to 40 m above MSL and at places, the pebble bed directly rests over the basement rocks. The pebbles are mostly of quartz and rarely of granite and pyroxene granulite. The distribution of the pebble bed along the major river banks demonstrate it to be flood plain deposits, probably of early Quaternary period (Nair *et al*, 1976). In Malappuram and Kozhikode districts, the pebble bed is traced in the riverine terraces at Mavur (11°17'45":75°59'00" ), Cheruvannur (11°12'8": 75°49'35") and Chellepparambu (11°14'30":75°59'00"). In Thiruvananthapuram District, the Quaternary pebble bed occurs at an elevation of 45 to 50 m above MSL at Pothenkode (8°37'00": 76°48'56"), Idaikode (8°40'11":76°50'49"), Attingal (8°41'49": 76°48'56") and Andoorkonam (8°36'00": 76°52'30").

Submerged upright tree trunks have been reported from a number of places in the coastal area of Kottayam and Alappuzha districts, indicating neotectonic reactivation in the area. Carbon dating of a sample from the submerged forest at Iravimangalam indicate an age of  $7050 \pm 130$  B.P (Pawar *et al*, 1983).

### Structure

The structural grain of the southern Peninsula is controlled mainly by the NNW-SSE trending near longitudinal Dharwarian trend which had folded all earlier structures. Since Kerala State falls in the western limb of the mega-structure almost all the rock distribution is aligned in NW-SE direction. However, detailed structural studies carried out in selected parts of the Kerala (Nair and Nair, 2001) had shown that (a) the earliest folds ( $F_1$ ) which are represented both on mesoscopic and megascopic scale are tight appressed folds of asymmetrical nature which had given rise to axial plane foliations with characteristic platy mineral alignments (b) the  $F_2$  folds on these foliations (post-folial) are open symmetrical and have developed mainly on megascopic scale and control the disposition of the major lithologies. (c) Subsequent folds ( $F_3$ ) which deform  $F_1$  and  $F_2$  axial plane traces are broad folds on mega-scale identified with the longitudinal Dharwarian trends and (d) a broad swerve on these Dharwarian trends in ENE-WSW is also decipherable (Fig.2).

Detailed analysis of the remote sensing data had revealed the presence of a number of significant lineament patterns in WNW-ESE, NW-SE, NNW-SSE, NNE-SSW and ENE-WSW directions (Nair, 1990). Mega and intermediate lineaments in WNW-ESE were originally crustal fractures and shears which got sealed or obliterated by a number of igneous emplacements of alkali granite, syenite, gabbro, anorthosite, granophyre etc. The emplacements along the Bavali lineament and those along the Achenkovil lineament both of which trending in this direction had given ages ranging from 500 – 678 Ma. Hence they are identified to be the oldest lineament. The Bavali lineament forms the western termination of the Moyar shear. The NW-SE trending lineaments constitute mega lineaments and coincide with the basic dykes occurring throughout the length and breadth of the state. These dykes have given ages ranging from 61 to 144 Ma. The NNW-SSE trending lineaments are generally intermediate lineaments and are attributed to fractures, faults and major joint patterns in the area. It is recognized that the NNW-SSE trending lineaments define a weak zone along which the west coast evolved by faulting. The eastern limit of the Tertiary basin is found restricted along this lineament direction. These lineaments occurring along the west coast are be active as suggested by the progradation of the coast west of these lineaments (Nair, 1987). The

lineaments in NNE-SSW are prominent and are identified with major fractures and this together with those in NNW-SSE are taken to constitute a conjugate system of faults in a N-S compressive regime due to the collision of the Indian plate. The ENE-WSW trending lineaments are intermediate lineaments and are well-developed in the northern parts of the Kerala. Since these lineaments truncate other lineaments as evidenced especially in the coastal stretches it is considered the youngest. Many a recent tremors reported are aligned in this direction and hence considered neotectonically active.

### **Metamorphism**

The Precambrian crystalline rocks of Kerala are chiefly metapelites, charnockites with associated gneisses and granulites, schistose rocks with distinct metapelitic and metamafic / ultramafic affinity and granitic derivatives which include the Peninsular gneisses and migmatites. Except the Wynad schists and the Vengad group, the bulk of the crystalline rocks show granulite to upper amphibolite facies of metamorphism. Wynad schist displays a prograde amphibolite facies metamorphism and the retrogression of these rocks leads to lower amphibolite facies metamorphism. The vast charnockite belt occurring on either side of the Wynad schist belt, in north Kerala, shows petrographic evidences of prograde and retrograde reactions (Nambiar, 1996). The rocks of the Vengad Group show greenschist to lower amphibolite facies of prograde metamorphism. The older intrusive bodies show effects of incipient metamorphism, marked by clouding of feldspar and bending of twin lamellae.

Recent investigations on the pressure – temperature range for the formation of characteristic mineral suits within the metamorphic rocks provide a fair idea on the poly-metamorphic history of the rock suits. Rocks of the Khondalite belt of south Kerala indicate a temperature range of 650 to 850°C and pressures 5 to 6 kb (Srikantappa *et al*, 1985). In the Thiruvananthapuram area, the temperature at the peak of metamorphism indicated by the mineral assemblages of the calc-silicate rocks is about 830°C at 5 K bar considering the vapour absent garnet forming equilibria (Satish Kumar and Santosh, 1996). The scapolite equilibria indicates a peak metamorphic temperature of above 800°C. Stable isotopes in the marble bands suggest that there was no pervasive infiltration of external fluids. Local infiltration of external carbonic fluid took place during decomposition. Synthesis of such data from different lineament/shear bound segments in Kerala indicate varying metamorphic conditions and uplift history. It is also summarised that there is a progressive decline in the uplift of different segments from north to south (Soman, 1997).

 **SUSTAINABLE DEVELOPMENT GOALS**

