



Validity expires on 16-02-2021

**Proceedings of the State Environment Impact Assessment Authority
Kerala**

Present : Prof. (Dr.) K.P. Joy, Chairman; Dr. J. Subhashini, Member and Sri. P. Mara Pandiyan, I.A.S.,
Member Secretary.

Sub: SEIAA- Environmental Clearance for the proposed building stone quarry project in Survey Nos. 2066/1, 2067/2, 2063, 2057, 2056/2, 3 and 2067/1 at Kuttichira Village, Kodassery Panchayath, Chalakkudy Taluk, Thrissur District by Sri. Shibu Pynadath John, Managing Director, M/s Pynadath Granite Pvt. Ltd., 10/365D, Pynadath Estate, Pulinkara, Kuttichira, P.O., Thrissur – 680724 -Granted- Orders issued.

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

No. 606/SEIAA/EC1/4633/2015

dated, Thiruvananthapuram 17-02-2016

- Read:-
1. Application dated 15.10.2014 submitted by Sri. Shibu Pynadath John, Managing Director, M/s Pynadath Granite Pvt. Ltd., 10/365D, Pynadath Estate, Pulinkara, Kuttichira, P.O., Thrissur – 680724.
 2. Minutes of the 45th meeting of SEAC held on 11/12-09-2015.
 3. Minutes of the 49th meeting of SEAC held on 07/08-12-2015.
 4. Minutes of the 48th meeting of SEIAA held on 23-01-2016.

Environmental Clearance No. 14/2016.

Sri. Shibu Pynadath John, Managing Director, M/s Pynadath Granite Pvt. Ltd., 10/365D, Pynadath Estate, Pulinkara, Kuttichira, P.O., Thrissur – 680724 vide his application received on 25/09/2014 has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Sy. Nos. 2066/1, 2067/2, 2063, 2057, 2056/2, 3 and 2067/1 at Kuttichira Village, Kodassery Panchayath, Chalakkudy Taluk, Thrissur District for an area of 4.7981 hectares. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) and as per O.M. No. L-11011/47/2011-IA.II (M) dated 18th May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-IA-II (I) dated 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares. Other details of the proposal are as follows:

2. BASIC INFORMATION OF THE PROJECT

Basic Details	
Name of the Project	Quarry project of M/s PYNADATH GRANITES (P) LTD.
Survey Numbers	Survey Nos. 2066/1, 2067/1, 2067/2, 2063, 2057, 2056/2, 3 and 2067/1
Village	Kuttichira Village
Tehsil	Chalakkudy Taluk



District	Thrissur District
Extent of land in hectares	4.7981 ha.
Is the property forest land/Govt. land/ own land	Private own land
Latitude	10°20'30.35" to 10°20'20.94"
Longitude	76°26'08.58" to 76°25'56.34"
Distance of mining area from nearest human settlement	Nearest house – 122 m., NW
Cluster condition (if any)	There is only one quarry is in operation within 500m radius. (Permit No. 24/2015-16/CRPS/GS/986/C2/TDO/15 owned by Sri. Basil George, M/s Vilamana Industries, Kuttichira).
Proposed production capacity	2,00,000 MTA
Expected life of mine	About 11 Years
Expected cost of the project	Rs. 2.8007 Crores.
Interlinked project (if any)	Quarry is interlinked with a crusher unit.
Whether CRZ is applicable	Not applicable
Status of litigation/complaint/cases	No
Permanent or temporary change on land use, land cover or topography	<ul style="list-style-type: none"> The project site is private owned land. There is expected to be change in the land use as mining area in the core zone. At the end of life of mine, the excavated pit will be backfilled and reclaimed and rehabilitated by plantation leaving no void.
Topography of land and elevation	<ul style="list-style-type: none"> The highest elevation of the lease area is 70 m. MSL and lowest is 50 m MSL. As the proposed area is hilly, the drainage is towards S & W side.
Vegetation	<ul style="list-style-type: none"> Part of the proposed land is already under mining and there is no vegetation in that area. The remaining land in the proposed land is mostly covered with exposed rock with some native trees, climbers, grass, shrubs, herbs etc. Suitable plantation with shrubs, herbs and trees will be done as part of eco-restoration work.
Nearest water body	Thodu about 1 km., W Cherupuzha, 3.5 km., N Chalakkudy river, 5 km., S
Change in water bodies due to mining activities	No
Proneness to natural hazards	<ul style="list-style-type: none"> As per BMTPC, Vulnerability Atlas Seismic Zone of India IS: 1893-2002, the proposed area comes under Zone-III, moderate damage risk zone. The proponent stated that the project area is not prone to earthquake, landslide and flooding. There are no incidents of cloudburst and landslide reported so far.
Environmental parameters considered	
WATER	
Water (expected use and sources in KLD)	<ul style="list-style-type: none"> The total water requirement is about 6 KLD in which 2 KLD is for domestic which would be sourced from open well, 2 KLD for dust suppression system in mine and 2 KLD for plantation purposes and will be sourced from storm water pond.
Sources of generation and facilities for liquid waste treatment	<ul style="list-style-type: none"> The sewage to a tune of 1.6 KLD generated from the mine office will be diverted to the septic tank followed by soak pit.
Facilities for liquid waste treatment	<p>Mining activities may cause adverse impacts due to discharge of domestic wastewater, siltation and soil erosion due to runoff/storm water. Control measures includes:</p> <ul style="list-style-type: none"> Construction of check dams and collecting channel all around the foot of the hill to prevent soil erosion during monsoon season



	<p>and also to collect the storm water for various uses.</p> <ul style="list-style-type: none"> • The storm water will be used for dust suppression, green belt development etc. All measures will be taken not to disturb the existing drainage pattern adjacent to the other property. • The sewage to a tune of 1.6 KLD generated from the mine office will be diverted to the septic tank followed by soak pit. • The storm water after treated in holding/ siltation pond will be used for dust suppression in the crusher unit. The effluent generated from this unit carries lot of mine dust particles which will be treated in sand filter followed by sedimentation tank and the clear water will be recycled/ reused in the same process.
Water quality meeting requirements	<ul style="list-style-type: none"> • Water quality to meet requirements after the treatment of water (filtration, disinfection & sedimentation).
Water Regime	Pond & wells
LAND	
Access road to the site – Width & Condition	8 m. wide, tarred road, N
Storage of explosives /hazardous substances	<ul style="list-style-type: none"> • Explosive shall be procured by License vender and transported to the site at the time of blasting and used in accordance with Explosive Rules 2008, MSIHC Rules 1989 Mines Act 1952 and MMR 1961 and with necessary permission for blasting from DGMS. • Nitrate mixture and detonators are used for blasting; however a limited quantity in compliance with explosives Act will be stored in the magazine for safety of the workers.
Hazardous waste management	<ul style="list-style-type: none"> • Negligible in quantity like used oil which will be disposed to the local recyclers. • Due care will be taken to avoid oil spillage. • Storage will not be allowed beyond necessity • Fuel oil and lubricants will be stored only in approved containers in separate store rooms. Match box lighters, mobile phones, dry wood, plastic, paper sheets and smoking will not be allowed near the storage area.
Facility for solid waste management	<ul style="list-style-type: none"> • The municipal solid waste generated from the labour quarter will be suitably disposed along with reclamation or back filling.
Top soil, overburden etc.	<ul style="list-style-type: none"> • A total quantity of 31,188 cu.m. of top soil and 11,995 cu.m. of over burden will be removed during the mining operations. • The top soil excavated from the quarry will be properly stacked at pre-determined places and will be utilized for plantation over the reclaimed areas. Precautions will be taken to limit the height of the topsoil dump to 5-6 m in order to preserve its fertility and shelf life. It will be suitably protected from soil erosion and infertility by planting fodder grass and leguminous plants during temporary storage. • At the end use the OB can be utilized as soil base for plantation.
NOISE	
Sources of noise pollution control measures	<p>The major noise generating source from the proposed activity is working machinery, drilling, blasting and plying of vehicles. The following control measures are to be undertaken to bring down the noise levels:-</p> <ul style="list-style-type: none"> • Proper maintenance of machinery, equipments and improvement on design of machines. • Use of personal protective devices i.e., earmuffs and earplugs by workers, working in high noise areas. • Creation of wide green belt of dense foliage between mine areas.



	<p>and residential colonies.</p> <ul style="list-style-type: none"> • Conducting periodical medical checkup of all workers for any noise related health problems • Proper training to personnel to create awareness about adverse noise level effects.
Noise level monitoring	Planned noise monitoring at suitable locations in the plant and outside location for proper effective remedial actions.
AIR	
Likely emissions affecting environment	Mining activities will generate certain quantities of dust during drilling, blasting, loading and transportation operations.
By deposition of pollutants emitted to air into the land or into water	<p>The following measures will be taken to mitigate the fugitive dust from different operations.</p> <ul style="list-style-type: none"> • Laying of haul road as per the standards, black topping of permanent haul road and service road to avoid or eliminate air – borne dust. • To avoid the dust generation from the drilling operations, wet drilling method will be adopted. • Drill machines will be equipped with dust collectors. • Use of appropriate explosives for blasting and avoiding overcharging of blast holes. • Controlled blasting techniques will be adopted. • Watering of haul road and other road at regular intervals. • Provision of dust filters/ mask to workers working at highly dust prone and affected areas. • Provision of green belt all along the periphery of the lease area. • Periodical monitoring of ambient air quality in and around the lease area. <p>The extracted mineral will be transported from the quarry to the end user by adopting following measures so as to minimize dust emissions.</p> <ul style="list-style-type: none"> • In case of long transportation the trucks after loading will be covered with tarpaulin sheets. • Speed of the vehicles will be maintained within the prescribed limits. • Trucks will not be over loaded and will be maintained to the body level.
Air quality monitoring	<ul style="list-style-type: none"> • Air quality will be monitored periodically and maintained as per norms. • Mist Water spraying will be carried out to suppress dust. • Planned air quality monitoring at suitable locations in the plant and outside location for proper effective remedial actions.
ENERGY	
Energy requirement	<ul style="list-style-type: none"> • The total power requirement will be 75 kW for compressions, which will be drawn from diesel engine.
BIODIVERSITY	
Presence of any endangered species or red listed category	<ul style="list-style-type: none"> • There is no endangered, endemic or scheduled flora species existing at proposed mine lease area. • There is no schedule I species of animals observed within study area as per Wildlife Protection Act 1972 as well as no species is in vulnerable, endangered or threatened category as per IUCN.
Loss of native species and genetic diversity	<ul style="list-style-type: none"> • There will be loss of some native tree species, shrubs, herbs, climbers etc. However, some of these species will be planted at the end use for eco-restoration
Eco restoration	<ul style="list-style-type: none"> • An area equivalent to about 10% of the proposed area should be



programmes	reserved in the area owned by the project proponent outside the proposed quarry for compensatory mass plantation. The area selected is such that there is enough depth of top soil and OB and the quarrying in this area is not proposed in future.
SOCIAL ASPECTS	
Proximity to nearest densely populated or build-up area	Town – Kuttichira, 2.5 km., S Nearest house – 122 m., NW
CSR related to the project	In the following sectors: 1. Education 2. Public Health 3. Infrastructure Development. A detailed study on social status of the project site surroundings & need base study on proposed CSR activities were carried out. The summary of the report is provided in PFR (4.7.9).
GENERAL	
Details of Authorised Signatory & Address for correspondence)	Mr. Shibu Pynadath John, Managing Director, M/s Pynadath Granites (P) Ltd. 10/365D, Pynadath Estate, Pulinkara, Kuttichira P.O., Thirssur District, Kerala-680724.
Details of NABET approved EIA consultant Organisation	M/s Environmental Engineers & Consultants Pvt. Ltd. (at Sr. No. 54 as per MoEF & CC list of Accredited Consultant Organization) <i>Head Office :-</i> A1-198, Janak Puri, New Delhi. <i>Branch Office:-</i> C-306, Kanchanjunga Apartments, Palarivattom P.O., Kochi, Kerala.

3. The proposal was considered by SEAC in its 45th meeting held on 11/12-09-2016. The committee appraised the proposal and decided to defer the item for field visit by subcommittee and to directed the proponent to submit:

1. The revised mining plan and letter of intent as per the KMMC Rule 2015.
2. A copy of the certificate from Village officer as mentioned in 27 2(f) of KMMC rule 2015
3. Specific long term proposals for implementing CSR schemes.

4. Field visit to the site was carried out on 18.09.2015 by the sub-committee of SEAC, Kerala. The Proponent Sri. Shibu John was present at the time of site visit.

The project is an active quarry (just initiated) located at about one and a half km north east of Kuttichira. This quarry with an area of 4.7981 ha falling in own land forms part of a gently sloping hillock with north, south and east sloping segments falling in the lease area. The elevation ranges from 75 m in the central part to 40 m in the north. The rock type is mostly fractured charnockite suite of rocks with steep foliation to EW. Major faults are not observed in the site. In the western part of the lease area close to the main entrance, an old pit with steep cutting is seen while to the east benches are under formation in the working faces. Weathered rock with about 2 m thick over burden (OB) and top soil is seen in the upper part. Streams are not seen in the site as it forms part of a hillock. The entire drainage flows out as overland sheet flow from the elevated land and the flow is mostly controlled by slope. The flow from the



developed quarry is channelised into the abandoned quarry pit on the western side used as RWH structure. The area in general supports patches of rubber plantation. Patches of natural vegetation with floral diversity is not observed. A poultry farm is also working in this lease area. Haulage road to the upper level is formed from the NW side but not provided with hard surfacing. Another kutch road leading from Pulikara Church is also planned to be developed. Dwelling units are noted on the northern side but not in the immediate vicinity of 100 m. Canteen facilities are provided. Another quarry of Vilamana Industries is operational on the southern side but the combined quarry area is less than 25 ha.

Based on an overall evaluation of the site, the quarry operations may be recommended with following conditions:

1. Fencing should be provided all around the lease area. The steep cut faces of the old workings should be further demarcated, fenced and to be left as danger zone.
2. Overburden must be stored in the designated places and provided with protective support walls.
3. Part of the drainage from the quarry is currently directed to the old pit that acts as RWH structure. It must be maintained as a source.
4. Lined catchwater drains should be provided at the lower elevation on the north and south to channelise storm water. The water should be let out only after clarification/desiltation
5. Considering the topography, garland drains need not be insisted upon.
6. The main haulage road formed in the quarry must be maintained in motorable condition. The alternate road from the Church side should also be maintained in good motorable condition by the proponent.
7. In the absence of perennial streams in the vicinity, ultimate depth of mine will depend on the possible benches of 5m width and 5m height in the lease area. However considering the presence of valley in the southern part the ultimate depth may be limited to 30 m amsl.
8. Other items from general conditions like
 - a) Appropriate sign boards should be displayed,
 - b) The blasting time must be displayed and strictly adhered to,
 - c) The PPV values must be less than 10 mm/sec,
 - d) Steps to be taken to limit fly rock to within the lease area. Rock fragments should not fall anywhere outside the lease area,
 - e) Dust suppression mechanism must be in place
 - f) A belt of trees (Vegetation belt) should be maintained all around the quarry but must be maintained till the entire life of quarry,
 - g) A separate small plot to be maintained in the premise to preserve rare and endemic species listed in the biodiversity assessment and the promised activity under CSR may be added.

5. On submission of the revised mining plan, copy of the certificate from Village officer as mentioned in 272(f) of KMMC rule 2015 and revised CSR proposal as directed by 45th SEAC, the proposal was considered by SEAC in its 49th meeting held on 7th & 8th December 2015, and the Committee appraised the proposal based on the Mining Plan, Prefeasibility Report, field inspection report and all other documents submitted along with the Form-I application and decided to recommend for issuance of Environmental Clearance for mining with following specific conditions, in addition to the general conditions stipulated for mining projects.

1. Fencing should be provided all around the lease area. The steep cut faces of the old workings should be further demarcated, fenced and to be left as danger zone.
2. Overburden must be stored in the designated places and provided with protective support walls.
3. The old pit must be maintained as a RWH structure.



4. Lined catchwater drains should be provided at the lower elevation on the north and south to channelize storm water. The water should be let out only after clarification/desiltation.
5. The main haulage road formed in the quarry must be maintained in motorable condition. The alternate road from the Church side should also be maintained in good motorable condition by the proponent.
6. The ultimate depth of quarrying should be limited to 30 m above AMSL.

6. The proposal was considered by SEIAA in its 48th meeting held on 23-01-2016. The Authority examined the recommendations of SEAC and decided to accept the recommendation and to issue E. C subject to production of no cluster certificate and general conditions stipulated for mining projects and the mitigation measures undertaken in the EMP in the PFR. However if any genuine complaints about the quarry is received, E. C issued shall be reviewed.

7. Validity may be five years subject to inspection by SEIAA on annual basis and compliance of the conditions, subject to earlier review of E.C in case of violation or non-compliance of conditions or genuine complaints from residents within the security area of the quarry. Environmental Clearance is therefore granted to the quarry project of Sri. Shibu Pynadath John, Managing Director, M/s Pynadath Granite Pvt.Ltd., 10/365D, Pynadath Estate, Pulinkara, Kuttichira, P.O., Thrissur District, Kerala subject to the general conditions annexed hereto.

8. The clearance issued will also be subject to full and effective implementation of all the undertakings given in the application form, mitigation measures as assured in Chapter 4 of the Environment Management Plan and the mining features including progressive mine closure plan as submitted with the application and relied on for grant of this clearance. The above undertakings and the conditions and undertakings in chapter 4 of Mining plan (Mining), Chapter 11 (EMP) of the Mining Plan, Chapter 5 of Mining plan (Blasting), Chapter 4.10 & 4.11 of PFR (Disaster Management), and the entire Progressive Mine Closure Plan as submitted will be deemed to be part of these proceedings as conditions as undertaken by the proponent, as if incorporated herein.

9. Compliance of the conditions herein will be monitored by the Directorate of Environment and Climate Change or its agencies and also by the regional office of the Ministry of environment & forests, Govt. of India, Bangalore.

- i) Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring.
- ii) Instances of violation if any shall be reported to the District collector, Malappuram to take legal action under the Environment (Protection) Act 1986.
- iii) The given address for correspondence with the authorised signatory of the project is Sri. Shibu Pynadath John, Managing Director, M/s Pynadath Granite Pvt.Ltd., 10/365D, Pynadath Estate, Pulinkara, Kuttichira, P.O., Thrissur- 680724.

Sd/

P. Mara Pandiyan., I.A.S
Member Secretary (SEIAA)

&

Additional Chief Secretary to Government
Environment & Forest Department
Government of Kerala



To,

Sri. Shibu Pynadath John,
Managing Director,
M/s Pynadath Granite Pvt.Ltd., 10/365D,
Pynadath Estate,
Pulinkara, Kuttichira, P.O.,
Thrissur-680724

Copy to:

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E& F Wing, II block, Koramangala, Bangalore-560034.
2. Principal Secretary to Government, Environment Department.
3. The District Collector, Thrissur.
4. The Director, Department of Environment & Climate Change.
5. The Director, Mining and Geology Department, Kesavadasapuram, Thiruvananthapuram-4
6. The Secretary, Kodasserry Grama Panchayat, Ehttikulam P.O., Thrissur, Kerala -680724.
7. Chairman, SEIAA
8. Website
9. Stock File
10. O/C.



Forwarded/ By order

Administrator
SEIAA

G. RAJEEV
Administrator

State Environment Impact Assessment Authority
Pallimukku, Pettah
Thiruvananthapuram-695024
Phone: 0471-2742264

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA
GENERAL CONDITIONS (for mining projects)

- (i) Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified.
- (ii) Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
- (iii) Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads.
- (iv) Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project. .
- (v) Sprinklers shall be installed and used in the project site to contain dust emissions.
- (vi) Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
- (vii) At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumpings and overburden and planted with indigenous plant species that are eco-friendly.
- (viii) Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented
- (ix) ***The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mine.***
- (x) Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
- (xi) Control measures on noise and vibration prescribed by KSPCB should be implemented.
- (xii) Quarrying activities should be limited to day time as per KSPCB guidelines.
- (xiii) Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
- (xiv) A licensed person should supervise/ control the blasting operations.
- (xv) Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
- (xvi) Overburden materials should be managed within the site and the old quarries, if any, should be reclaimed and restored.
- (xvii) Height of benches should not exceed 5 m and width should not be less than 5 m.
- (xviii) Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
- (xix) ***Maximum depth of mining from general ground level at site shall not exceed 10m***
- (xx) No mining operations should be carried out at places having a slope greater than 45°.
- (xxi) Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.
- (xxii) The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
- (xxiii) Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
- (xxiv) The transportation of minerals should be done in covered trucks to contain dust emissions.
- (xxv) The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
- (xxvi) Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.
- (xxvii) Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
- (xxviii) ***A minimum buffer distance of 100m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided***
- (xxix) 200 m buffer distance should be maintained from forest boundaries. .



- (xxx) Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating activity.
- (xxxii) All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
- (xxxiii) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
- (xxxiiii) The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (xxxv) The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- (xxxvi) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
- (xxxvii) A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ District Panchayat/ Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.
- (xxxviii) The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (**both in hard copies as well as by e-mail**) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the Directorate of Environment and Climate Change, Govt. of Kerala.
- (xxxix) The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40. **Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.**
- (xl) The proponent should provide notarized affidavit (*indicating the number and date of Environmental Clearance proceedings*) that all the conditions stipulated in the EC shall be scrupulously followed.
- (xl) The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.



Forwarded/ By order

Administrator,
SEIAA

G. RAJEEV
Administrator

State Environment Impact Assessment Authority
Pallimukku, Pettah
Thiruvananthapuram-695024
Phone: 0471-2742264

TOPOGRAPHICAL COUNTOUR SURVEY MAP - M/s PYNADATH GRANITES (P) LTD.



STATE	KERALA
DISTRICT	THRISSUR
TALUK	CHALAKKUDY
VILLAGE	KUTTICHIRA
AREA	04.7981 Ha

ALL DIMENSIONS ARE IN METERS

LEGENDS

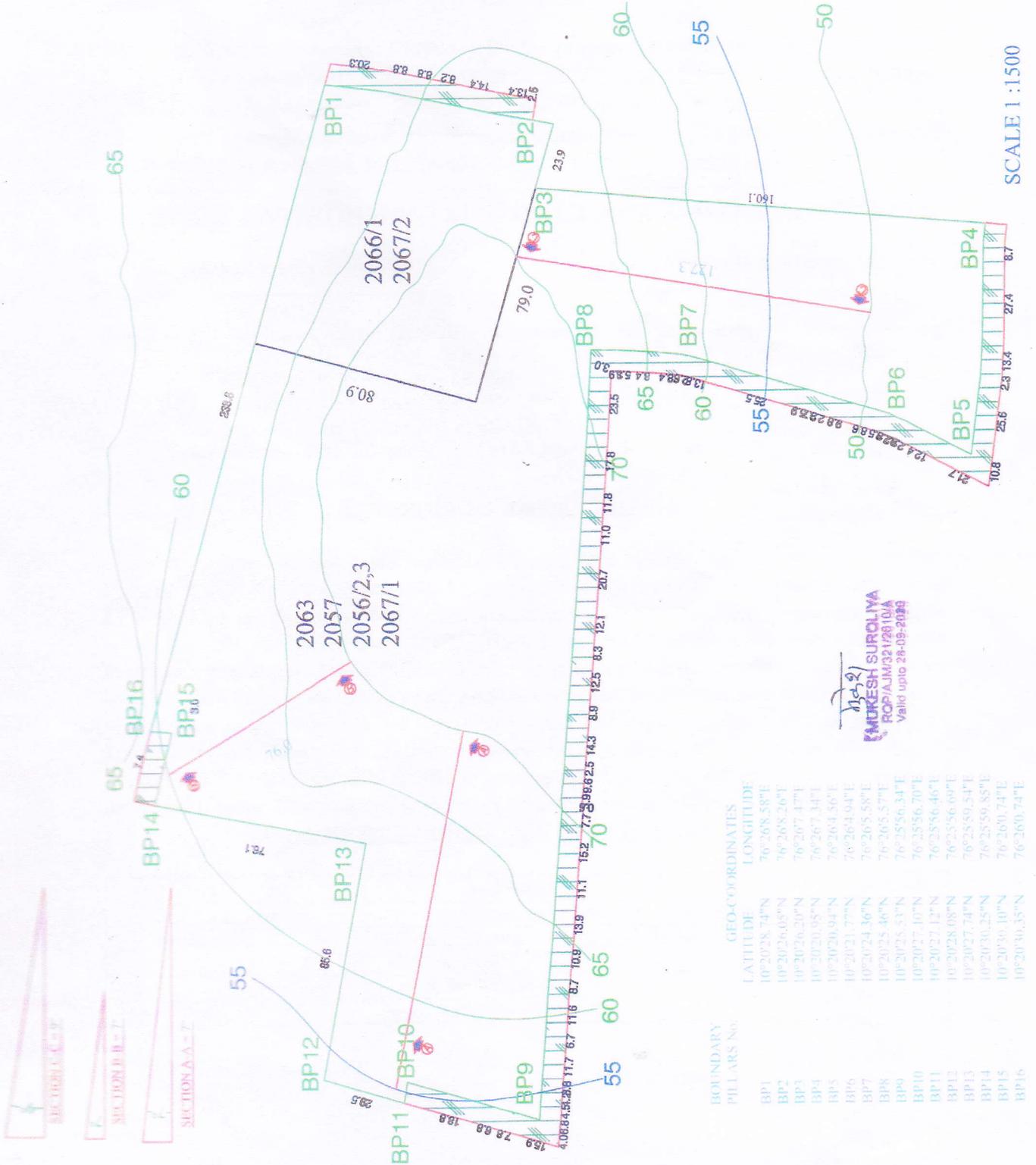
PROPOSED AREA	
BUFFER ZONE 7.5M	
SUB DIVISION	



JAY ASSOCIATES & CONSULTANTS



DIGITAL LAND SURVEYING
 Computerized Topographical Land Surveying
 DREAM HOME BUILDERS
 OPP. L I C NEDUNKANDAM 685553
 email: jayasociates@gmail.com
 Land Line : 0466234424
 Mob : 9495818517



BOUNDARY PILLARS No.	GEO-COORDINATES	
	LATITUDE	LONGITUDE
BP1	10°20'28.74"N	76°26'8.58"E
BP2	10°20'26.05"N	76°26'8.26"E
BP3	10°20'26.20"N	76°26'7.47"E
BP4	10°20'20.95"N	76°26'7.34"E
BP5	10°20'20.94"N	76°26'4.56"E
BP6	10°20'21.77"N	76°26'4.94"E
BP7	10°20'24.36"N	76°26'5.58"E
BP8	10°20'25.46"N	76°26'5.57"E
BP9	10°20'25.53"N	76°25'56.34"E
BP10	10°20'27.10"N	76°25'56.70"E
BP11	10°20'27.12"N	76°25'56.46"E
BP12	10°20'28.08"N	76°25'56.69"E
BP13	10°20'27.74"N	76°25'59.54"E
BP14	10°20'30.25"N	76°25'59.85"E
BP15	10°20'30.10"N	76°26'0.74"E
BP16	10°20'30.35"N	76°26'0.74"E

(M.K.S)
MOKESH SURULIYA
 RCP/AJM/21/2810/A
 Valid upto 28-09-2023

SCALE 1 : 1500